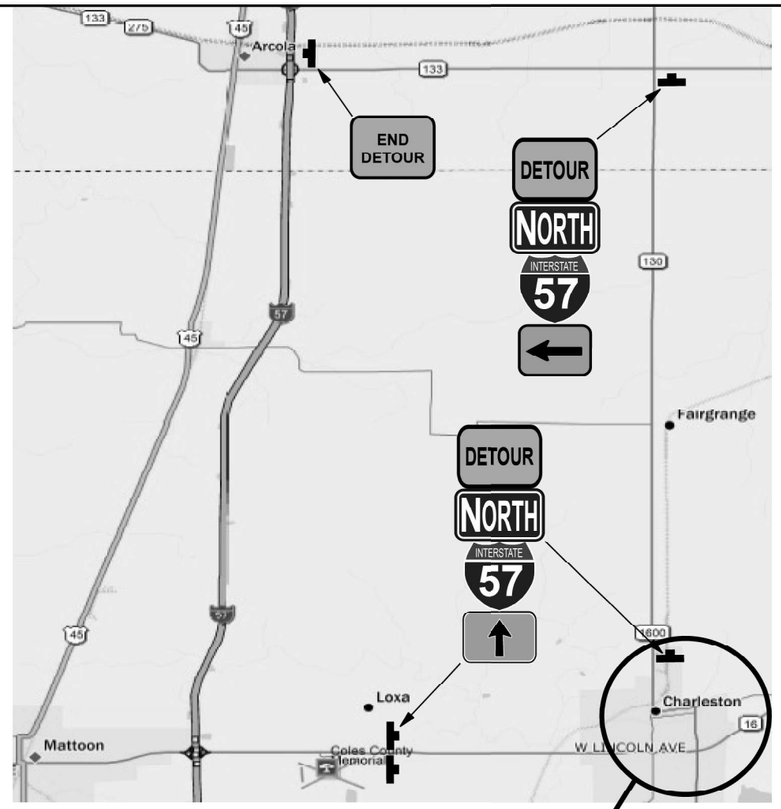
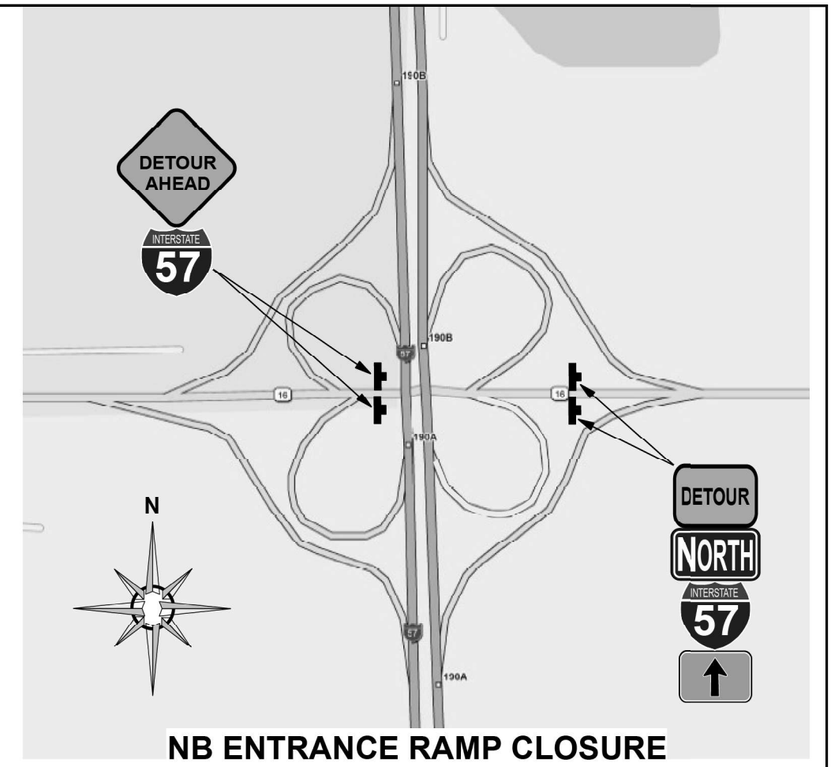
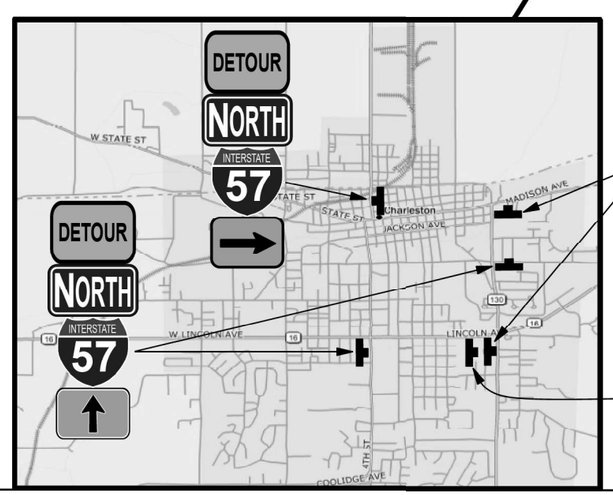
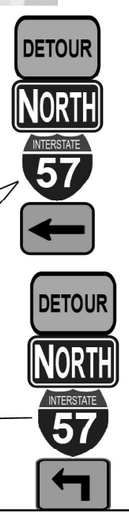




NB ENTRANCE RAMP CLOSURE





SIGN LEGEND

DETOUR AHEAD — W20-2(O)-48	DETOUR — W20-2(O)-48	END DETOUR — M4-8a(O)-3024
M6-3(O)-3018	M5-1L(O)-3018	M6-1L(O)-3018
NORTH — M3-1(BL)-3015	INTERSTATE 57 — M1-1-36	M6-1R(O)-3018

Closure of Exit 190 Ramps shall be in conjunction with Standards 701451 & 701901.

www.invarion.com

MODEL: Detour Signing Details [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkd\d0852852\D77443-sheets-DetourSigning.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 4/24/2024	DATE -	REVISED -	

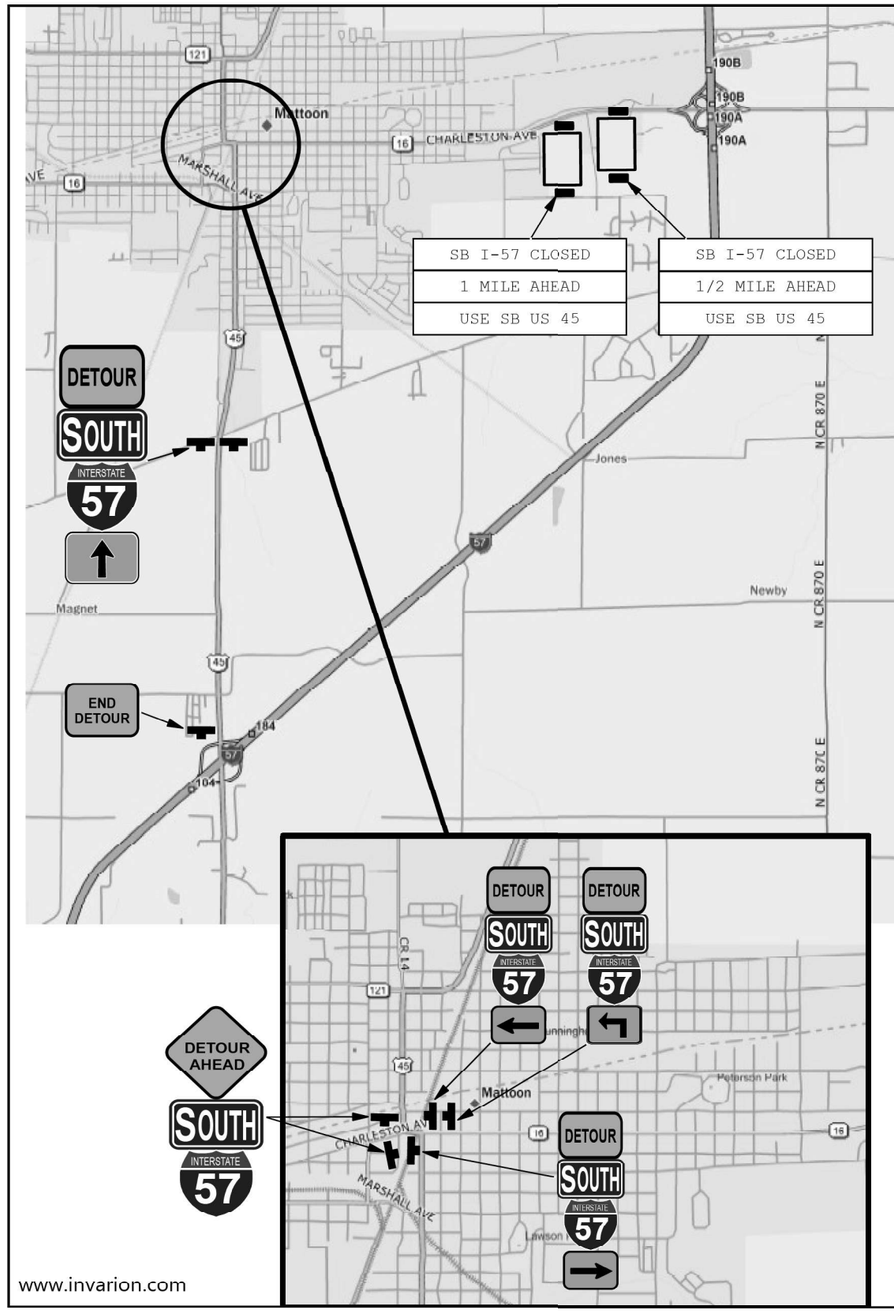
DETOUR SIGNING DETAILS

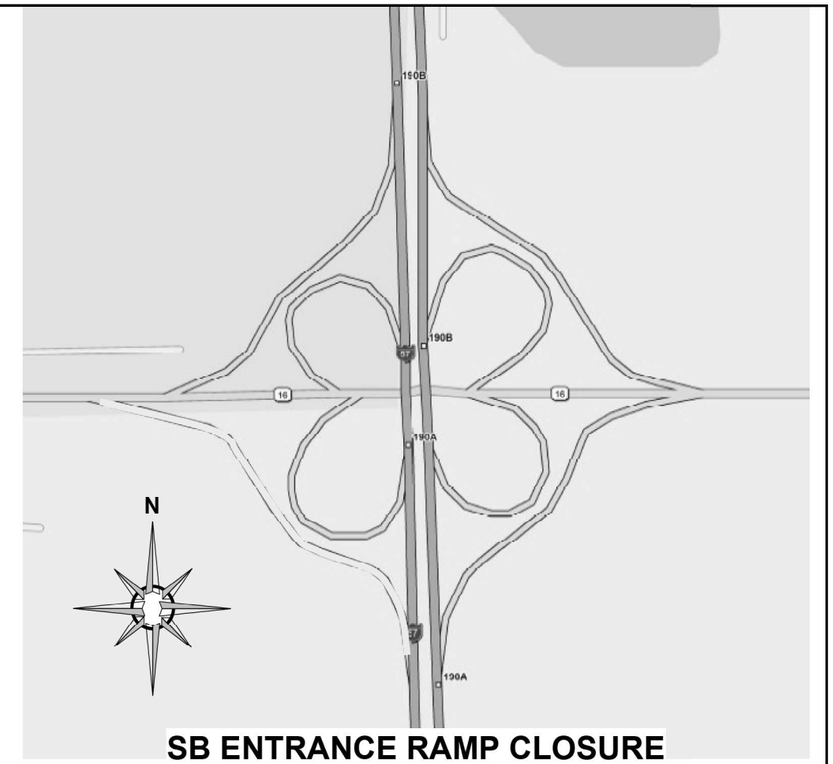
SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	401

CONTRACT NO. 74435

ILLINOIS FED. AID PROJECT





SB ENTRANCE RAMP CLOSURE

SIGN LEGEND

DETOUR AHEAD W20-2(O)-48	DETOUR W20-2(O)-48	END DETOUR M4-8a(O)-3024
M6-3(O)-3018	M5-1R(O)-3018	M6-1L(O)-3018
SOUTH M3-3(BL)-3015	INTERSTATE 57 M1-1-36	M6-1R(O)-3018
	Portable Changeable Message Sign	

Closure of Exit 190 Ramps shall be in conjunction with Standards 701451 & 701901.

www.invarion.com

MODEL: Detour Signing Details-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheets-DetourSigning.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

DETOUR SIGNING DETAILS

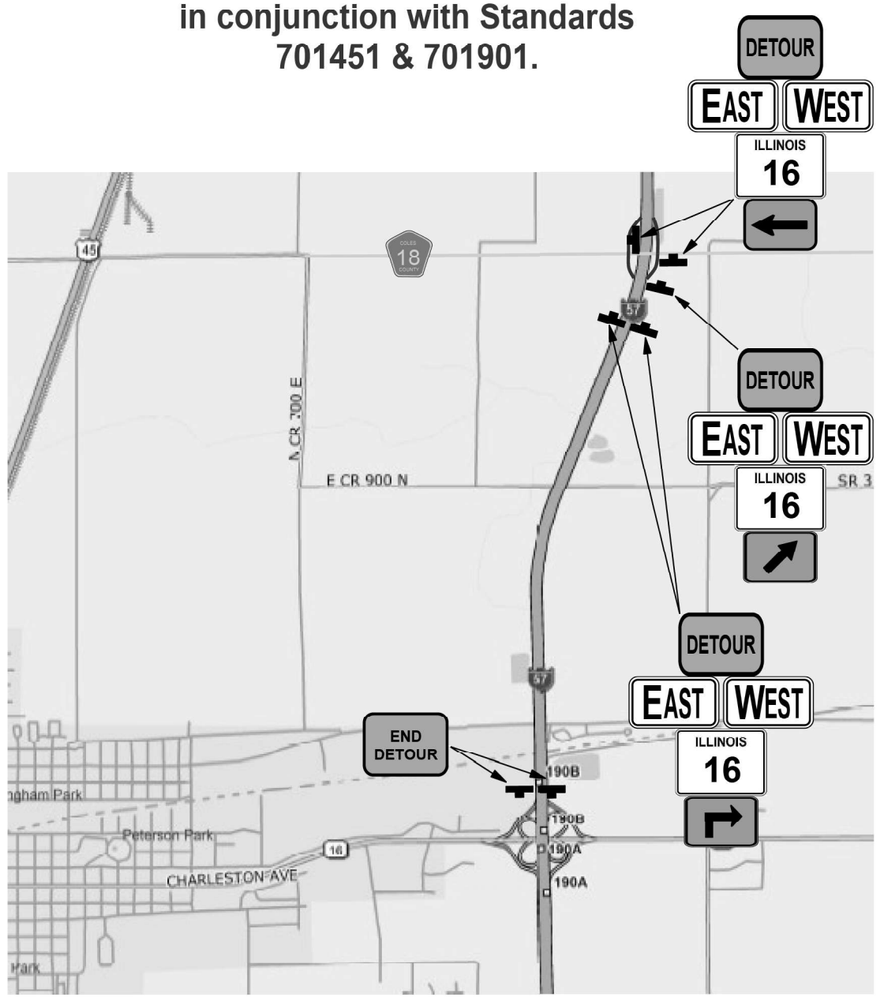
SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

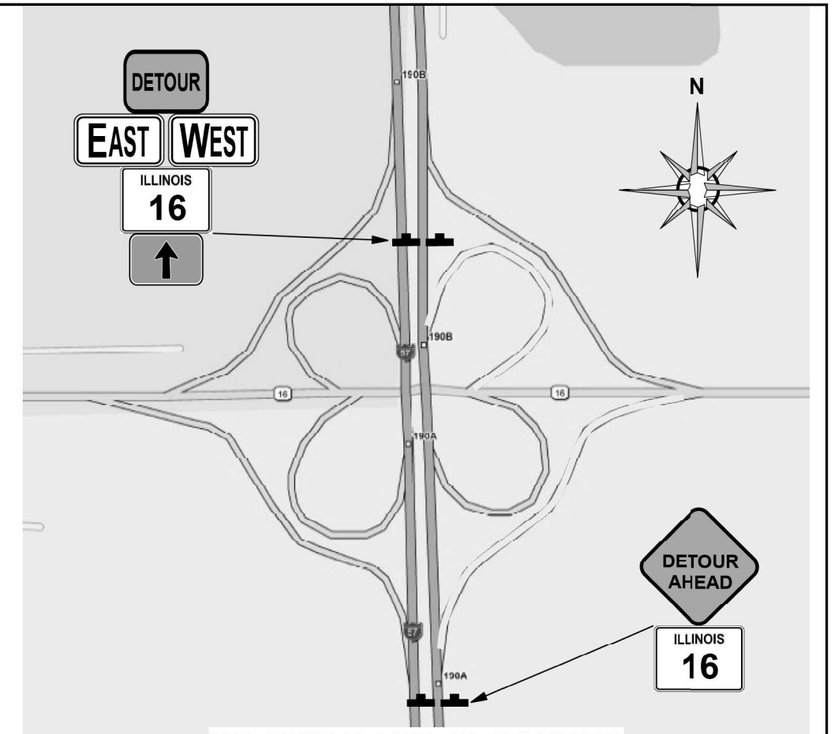
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	402

CONTRACT NO. 74435

ILLINOIS FED. AID PROJECT

Closure of Exit 190 Ramps shall be in conjunction with Standards 701451 & 701901.





NB EXIT RAMP CLOSURES

SIGN LEGEND

DETOUR AHEAD W20-2(O)-48	DETOUR W20-2(O)-48	END DETOUR M4-8a(O)-3024
M6-3(O)-3018	M5-1R(O)-3018	M6-1L(O)-3018
M6-2R(O)-3018	EAST M3-2-3015	WEST M3-4-3015
	ILLINOIS 16 M1-I100-36	

www.invarion.com

MODEL: Detour Signing Details-2 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirzekld\d0852852\D774435-sheets-DetourSigning.dgn

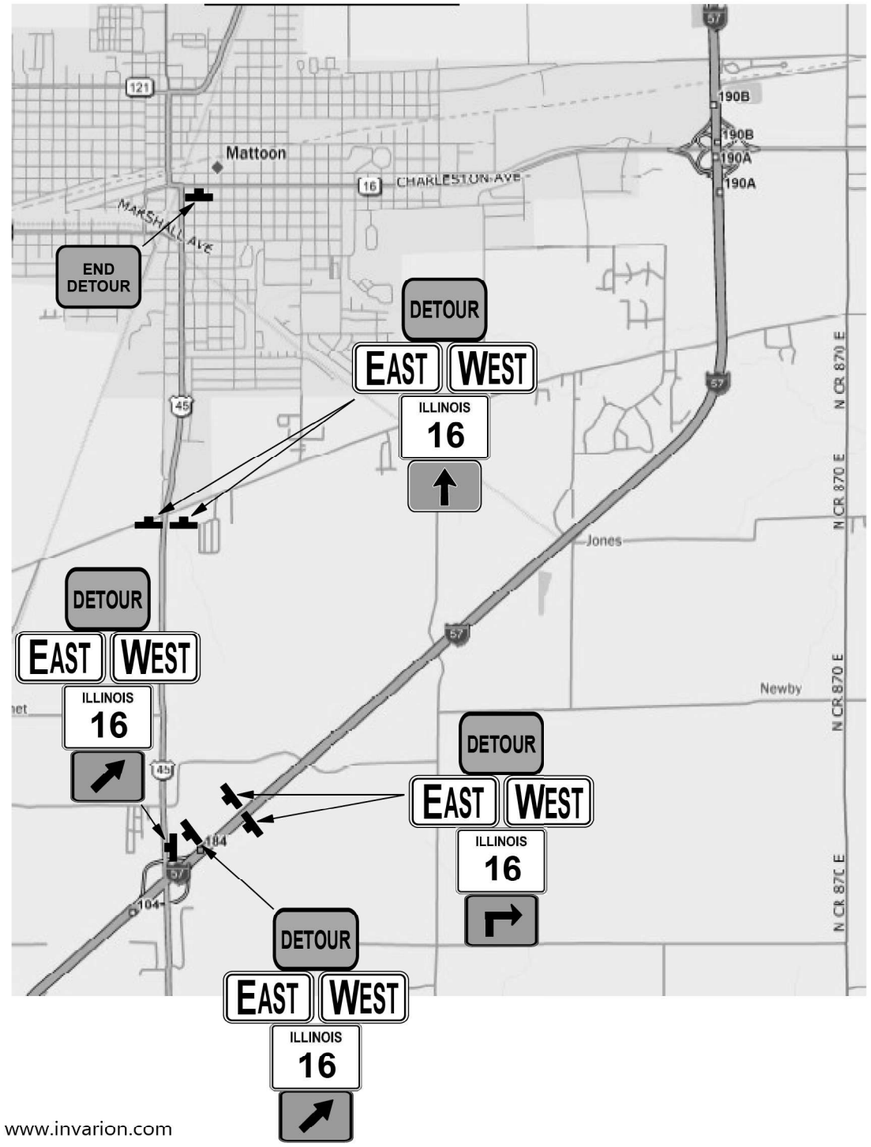
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

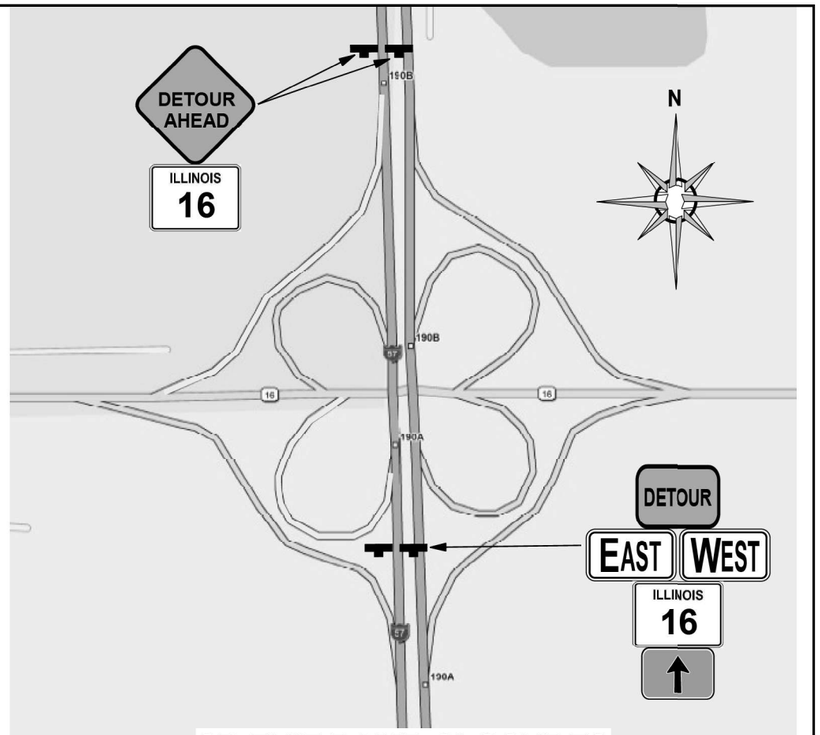
DETOUR SIGNING DETAILS

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	403
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		

Closure of Exit 190 Ramps shall be in conjunction with Standards 701451 & 701901.





SB EXIT RAMP CLOSURES

SIGN LEGEND

DETOUR AHEAD W20-2(O)-48	DETOUR W20-2(O)-48	END DETOUR M4-8a(O)-3024
M6-3(O)-3018	M5-1R(O)-3018	M6-1R(O)-3018
M6-2R(O)-3018	EAST M3-2-3015	WEST M3-4-3015
	ILLINOIS 16 M1-I100-36	

www.invarion.com

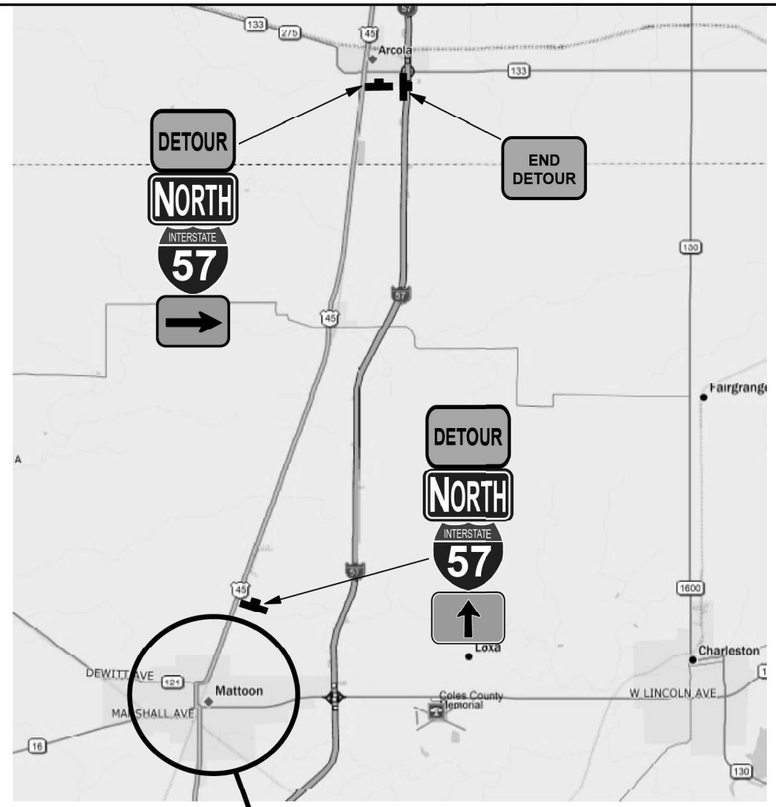
MODEL: Detour Signing Details-3 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkd\d0852852\D774435-sheets-DetourSigning.dgn

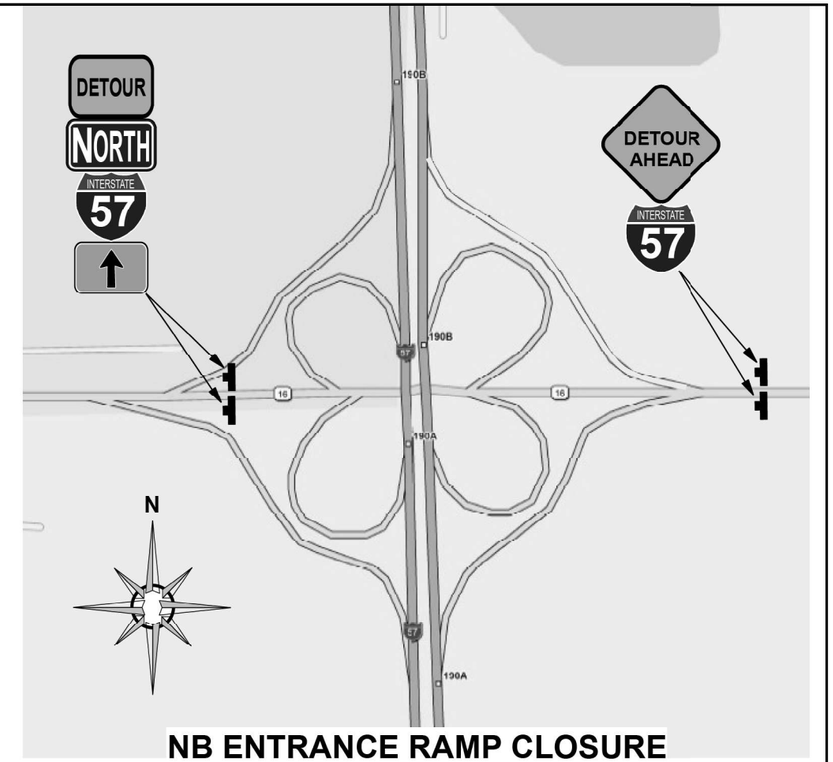
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

DETOUR SIGNING DETAILS

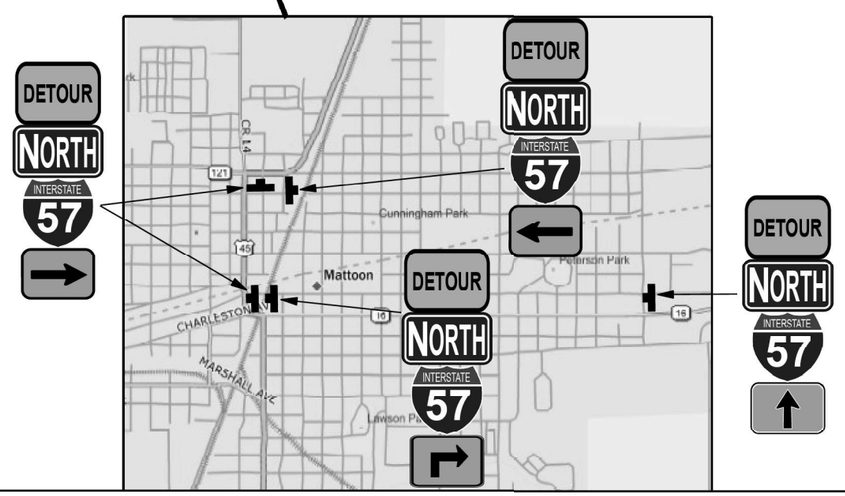
SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	404
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		





NB ENTRANCE RAMP CLOSURE



SIGN LEGEND

DETOUR AHEAD W20-2(O)-48	DETOUR W20-2(O)-48	END DETOUR M4-8a(O)-3024
M6-3(O)-3018	M5-1R(O)-3018	M6-1L(O)-3018
NORTH M3-1(BL)-3015	INTERSTATE 57 M1-1-36	M6-1R(O)-3018

Closure of Exit 190 Ramps shall be in conjunction with Standards 701451 & 701901.

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MODEL: Detour Signing Details-4 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklid\d0852852\D774435-sheets-DetourSigning.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

DETOUR SIGNING DETAILS

SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	405
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		

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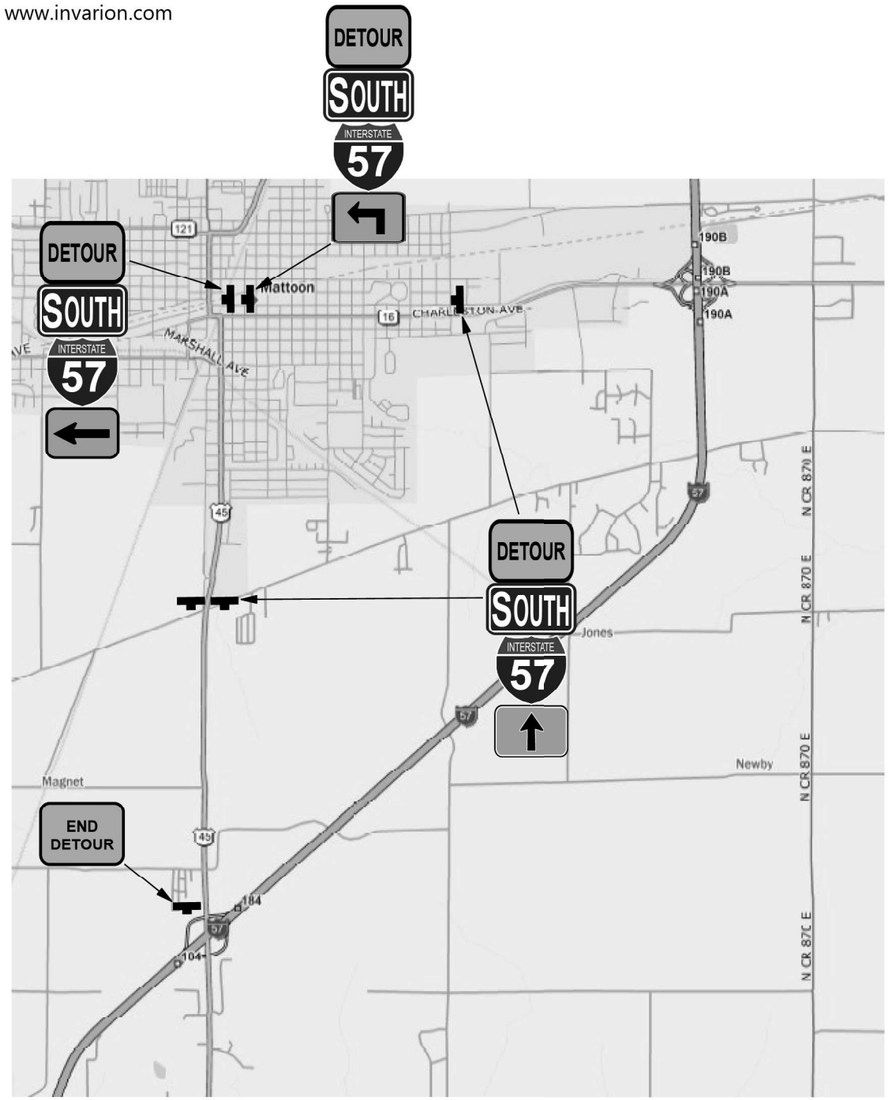

Closure of Exit 190 Ramps shall be in conjunction with Standards 701451 & 701901.

SB ENTRANCE RAMP CLOSURE

SIGN LEGEND

DETOUR AHEAD W20-2(O)-48	DETOUR W20-2(O)-48	END DETOUR M4-8a(O)-3024
M6-3(O)-3018	M5-1L(O)-3018	M6-1L(O)-3018
SOUTH M3-3(BL)-3015	INTERSTATE 57 M1-1-36	

MODEL: Detour Signing Details-5 [Sheet]
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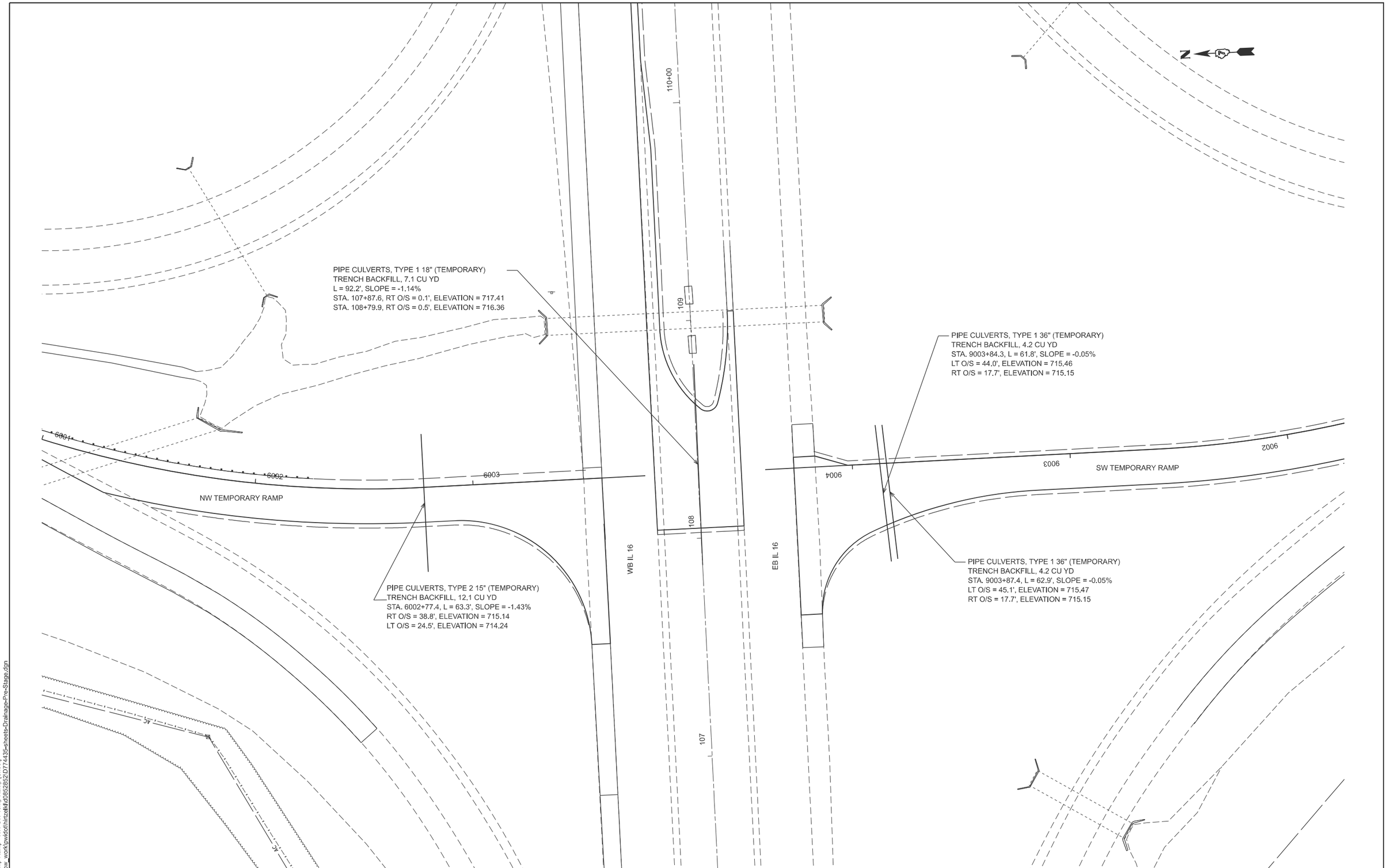
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

DETOUR SIGNING DETAILS

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	406
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



MODEL: NW Temp Ramp - NW SW Temp Ramp [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel\d0852852\D774435-sheets-Drainage-Pre-Stage.dgn

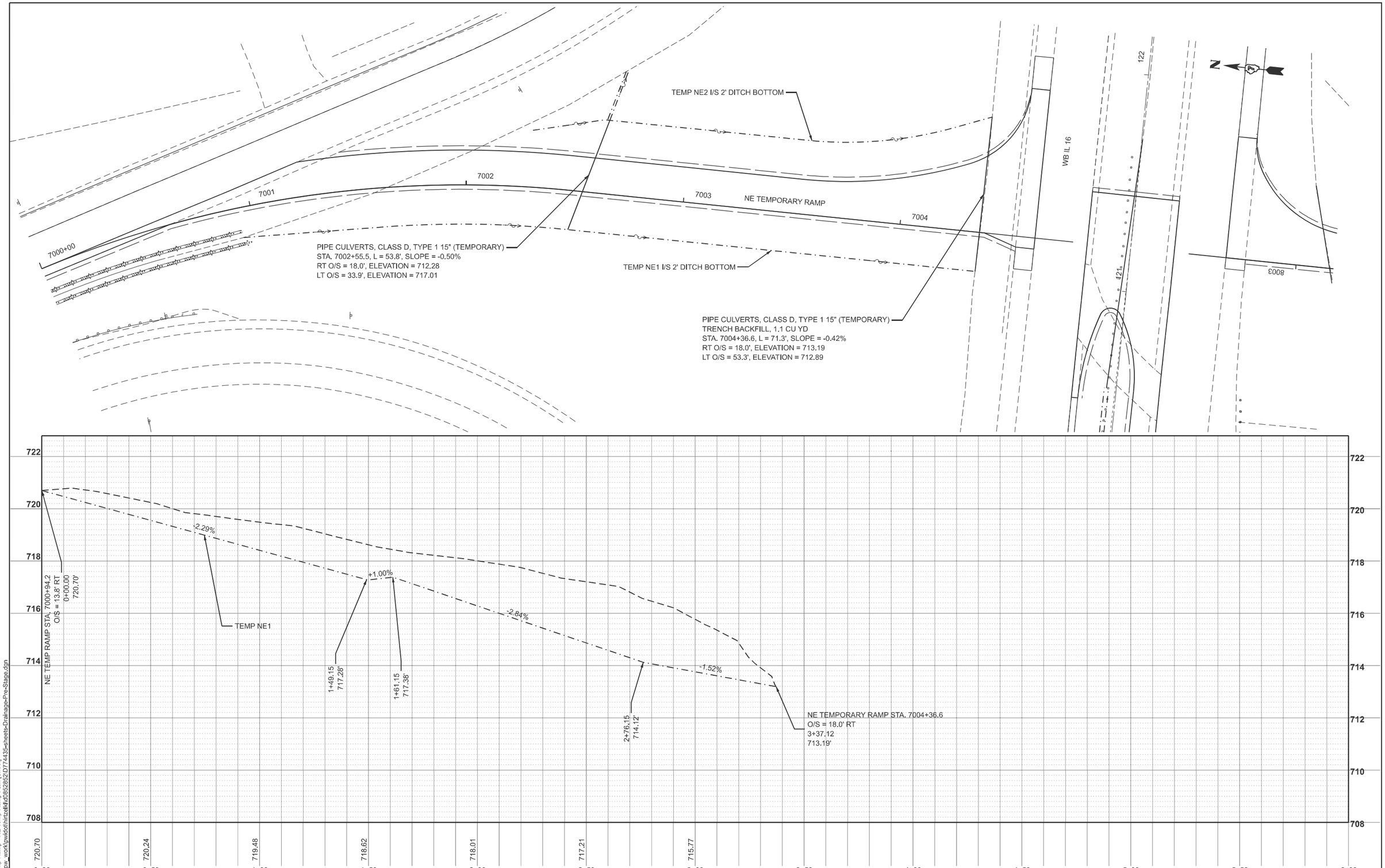
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE: NW & SW TEMPORARY RAMPS

SCALE: 1"=20' | SHEET 1 OF 7 SHEETS | STA. 6001+00.00 TO STA. 6007+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	407
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: NE Temp Ramp - NE Temp Ramp Plan [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklk\d0852852\D774435-sheets-Drainage-Pre-Stage.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE: NE TEMPORARY RAMP

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 7000+00.00 TO STA. 7006+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	408

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT

MODEL: GrDBOS2 - TEMP NE2 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Pre-Stage.dgn

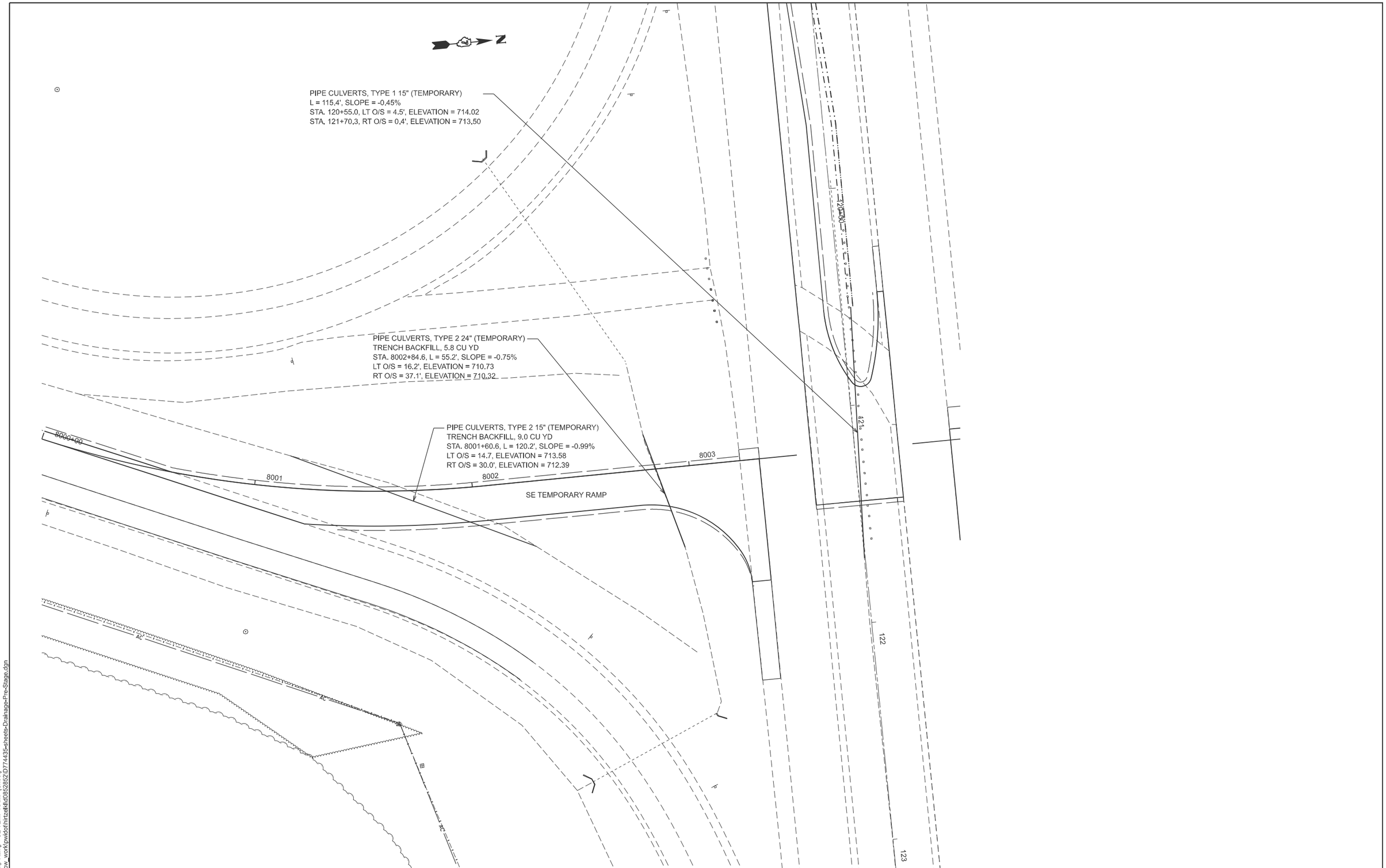
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE: NE TEMPORARY RAMP

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	409
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



MODEL: SE temp Ramp - SE TEMP RAMP [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekld\d0852852\D774435-sheets-Drainage-Pre-Stage.dgn

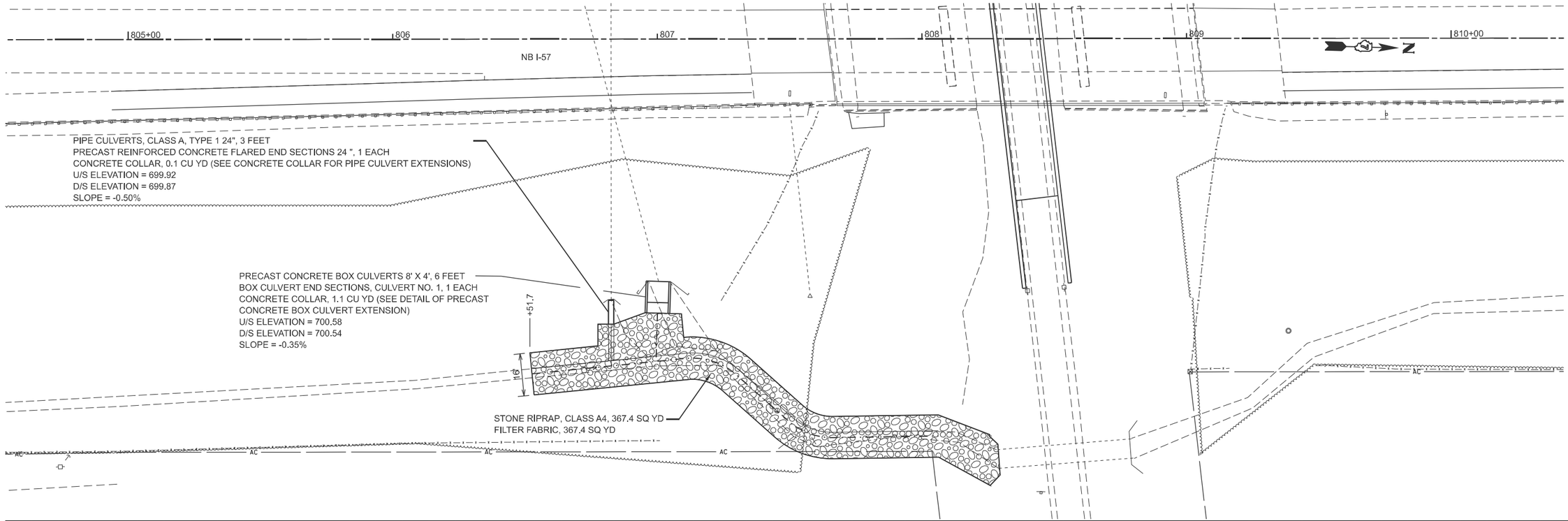
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

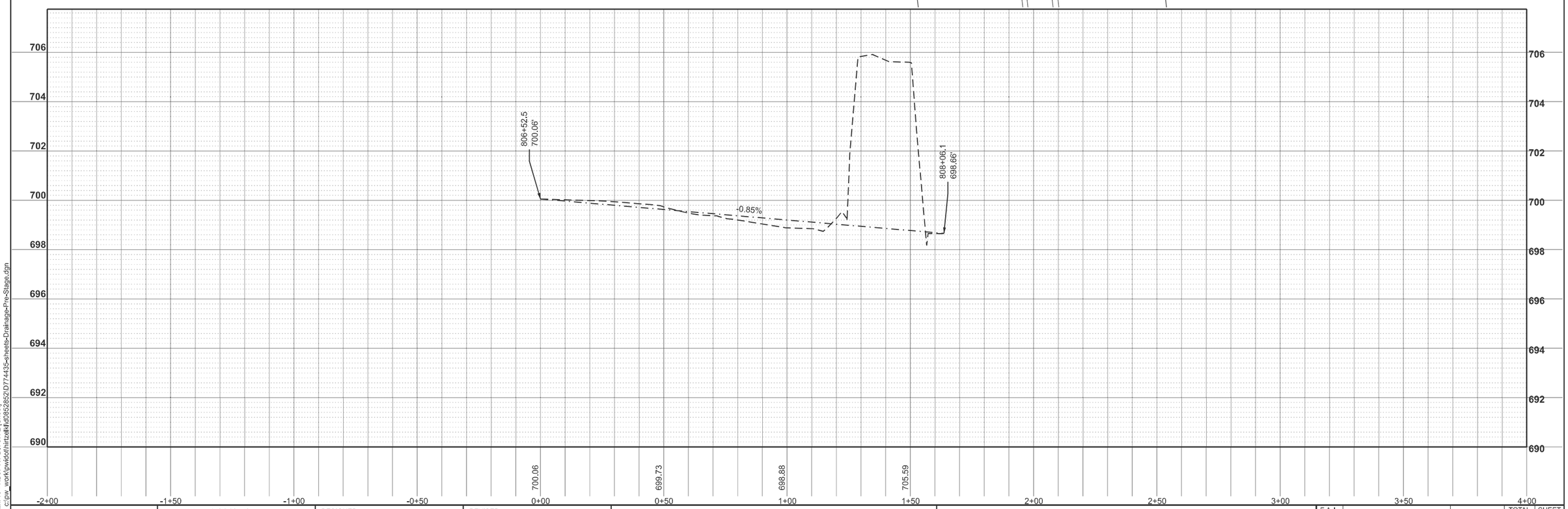
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE: SE TEMPORARY RAMP

SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. 8000+00.00 TO STA. 8004+25.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	410
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		





MODEL: DrainPr5 - NB57 RT DITCH-2 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheets-Drainage-Pre-Stage.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

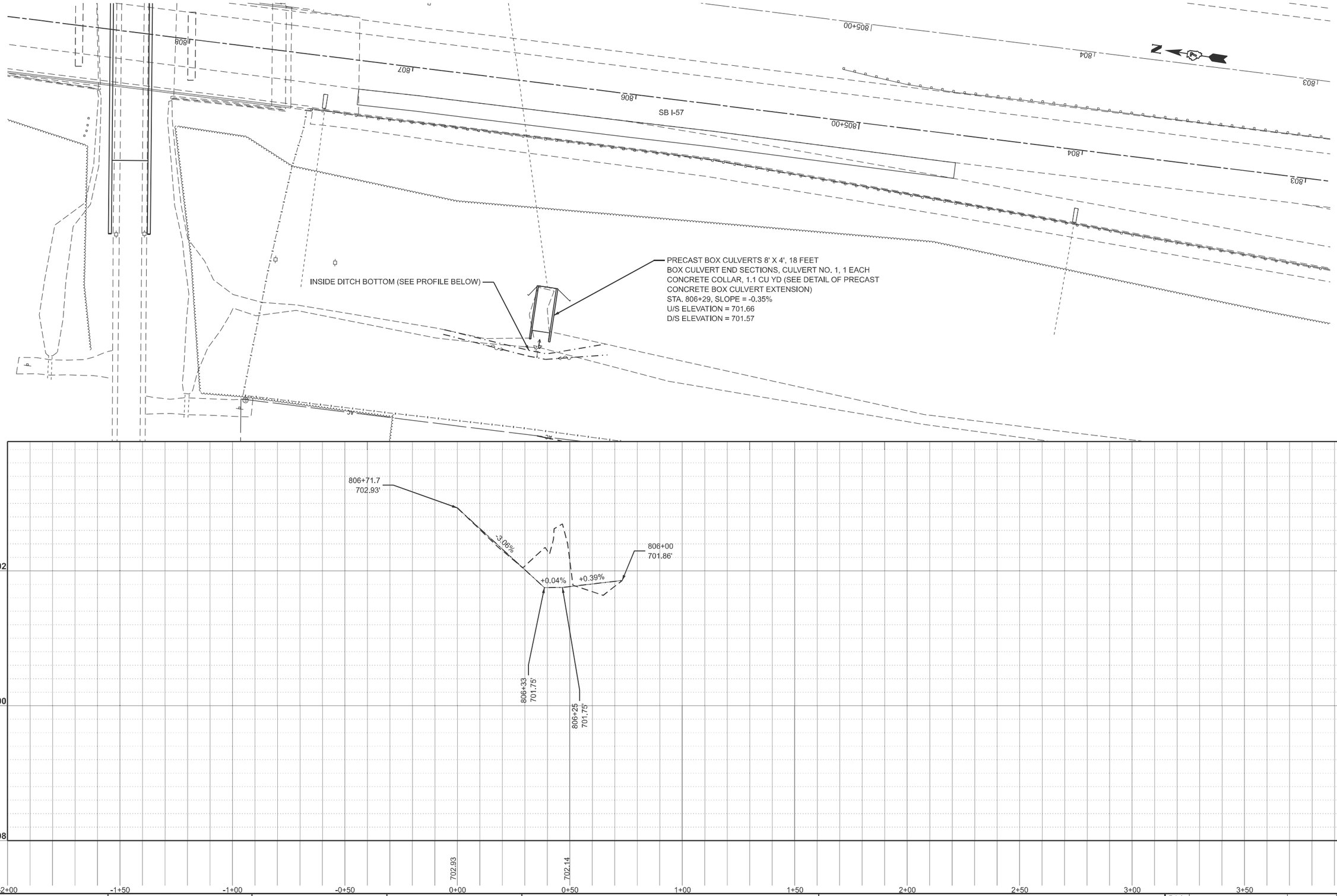
DRAINAGE PLAN & PROFILE
PRE-STAGE: NB I-57

SCALE: 1"=20' | SHEET 5 OF 7 SHEETS | STA. -2+00.00 TO STA. 4+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	411

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: W_BoxExt_TempDitch - SB57 LT Ditch [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekld\d0852852\D774435\sheets\Drainage\Pre-Stage.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

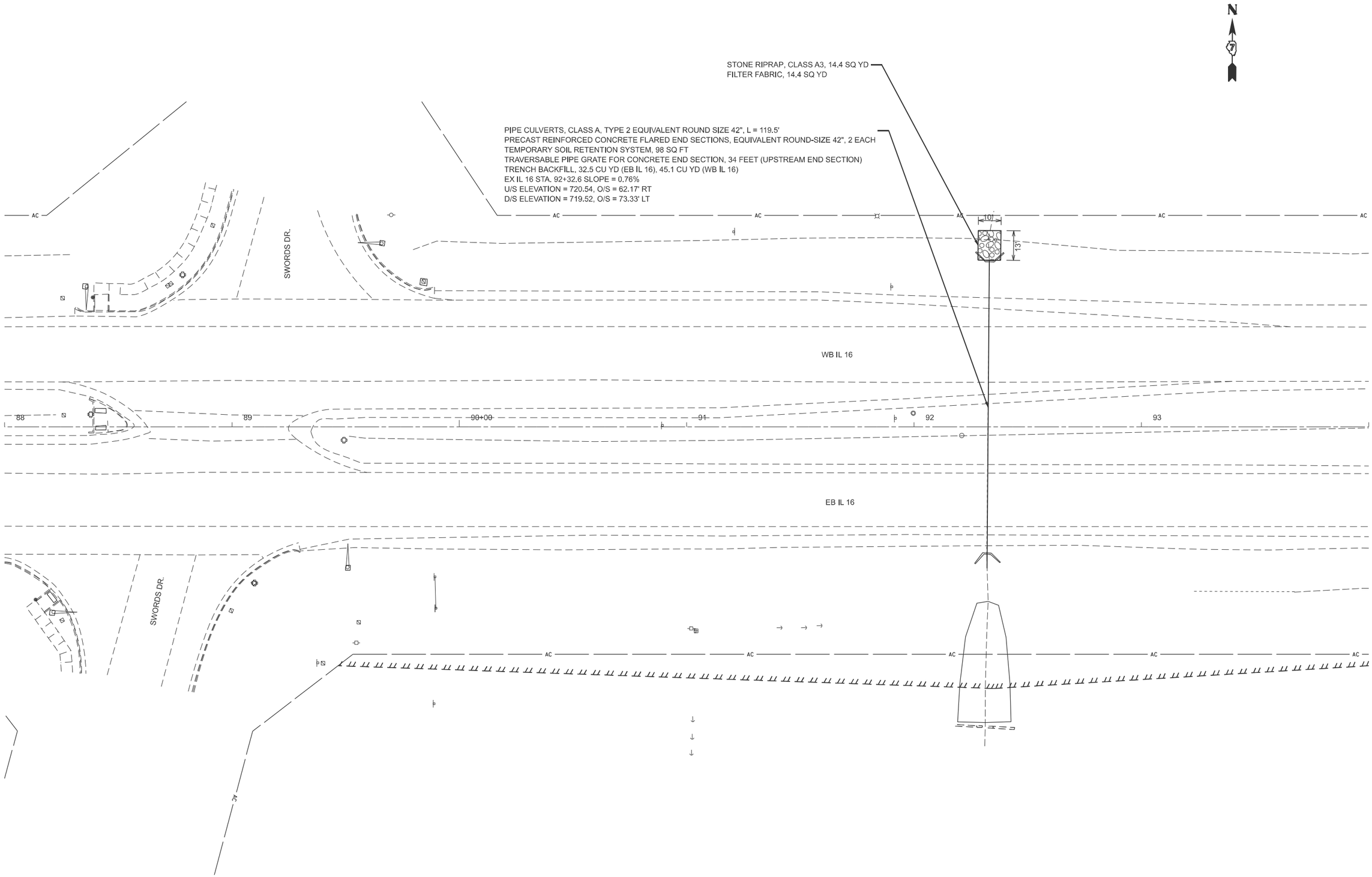
DRAINAGE PLAN & PROFILE
PRE-STAGE: SB I-57

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. -2+00.00 TO STA. 4+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	412

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: Ex IL 17 - IL 16 42in ERS Pipe [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Pre-Stage.dgn

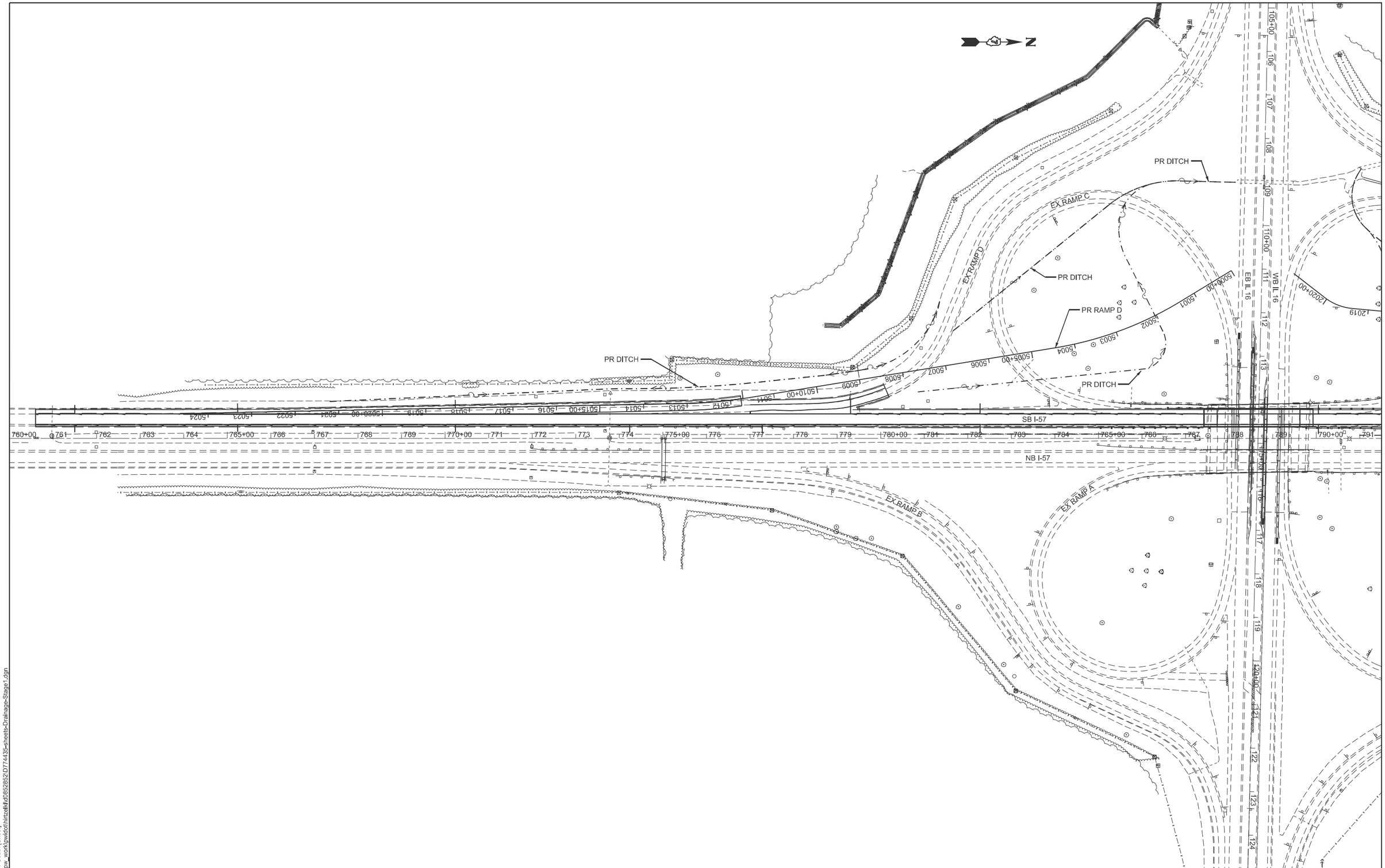
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE: IL 16

SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 88+00.00 TO STA. 94+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	413
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: Stage 1 South [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Stage1.dgn

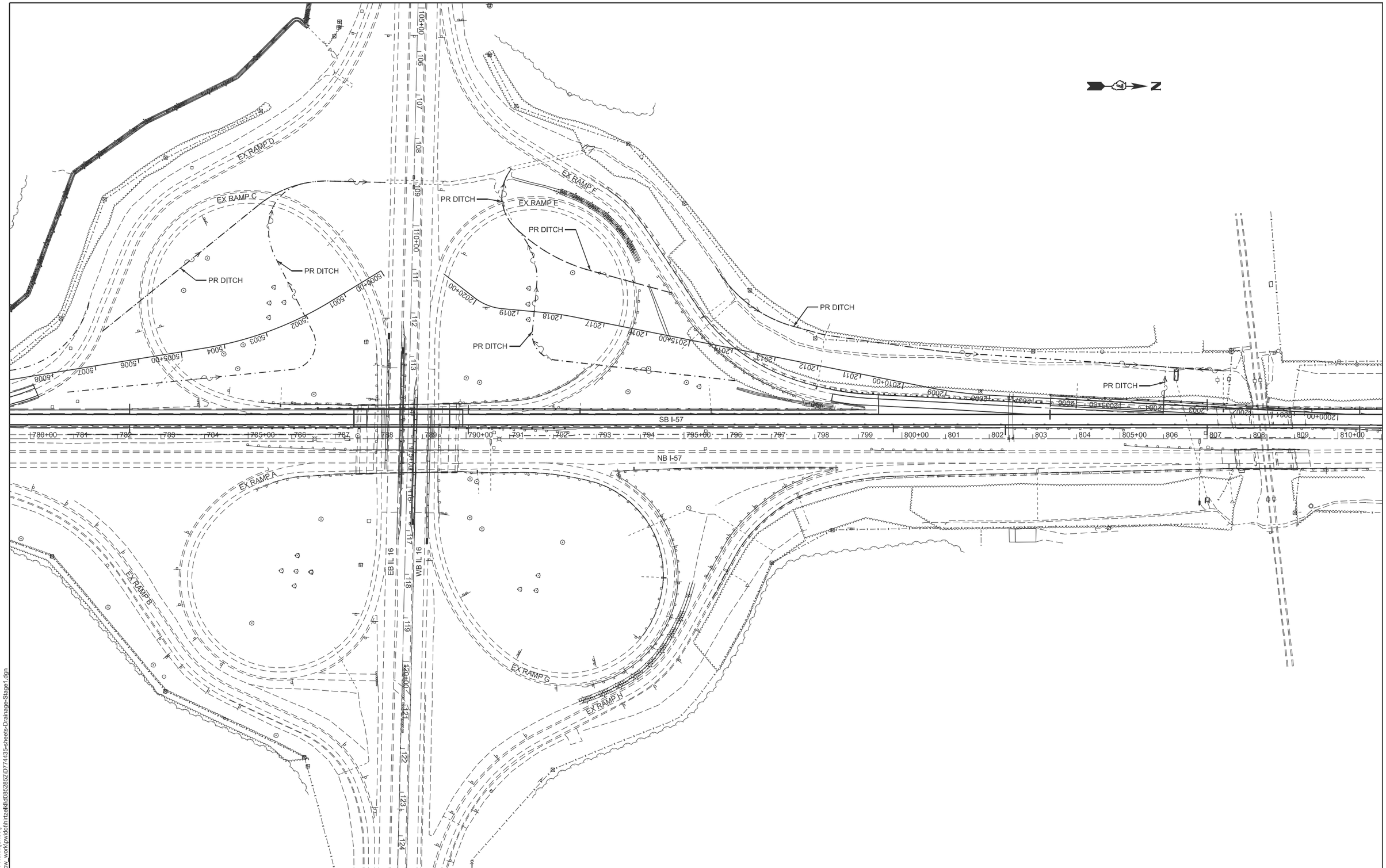
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: OVERALL SOUTH VIEW

SCALE: | SHEET 1 OF 21 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	414
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: Stage 1 North [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekl\d0852852\D774435~sheets~Drainage~Stage1.dgn

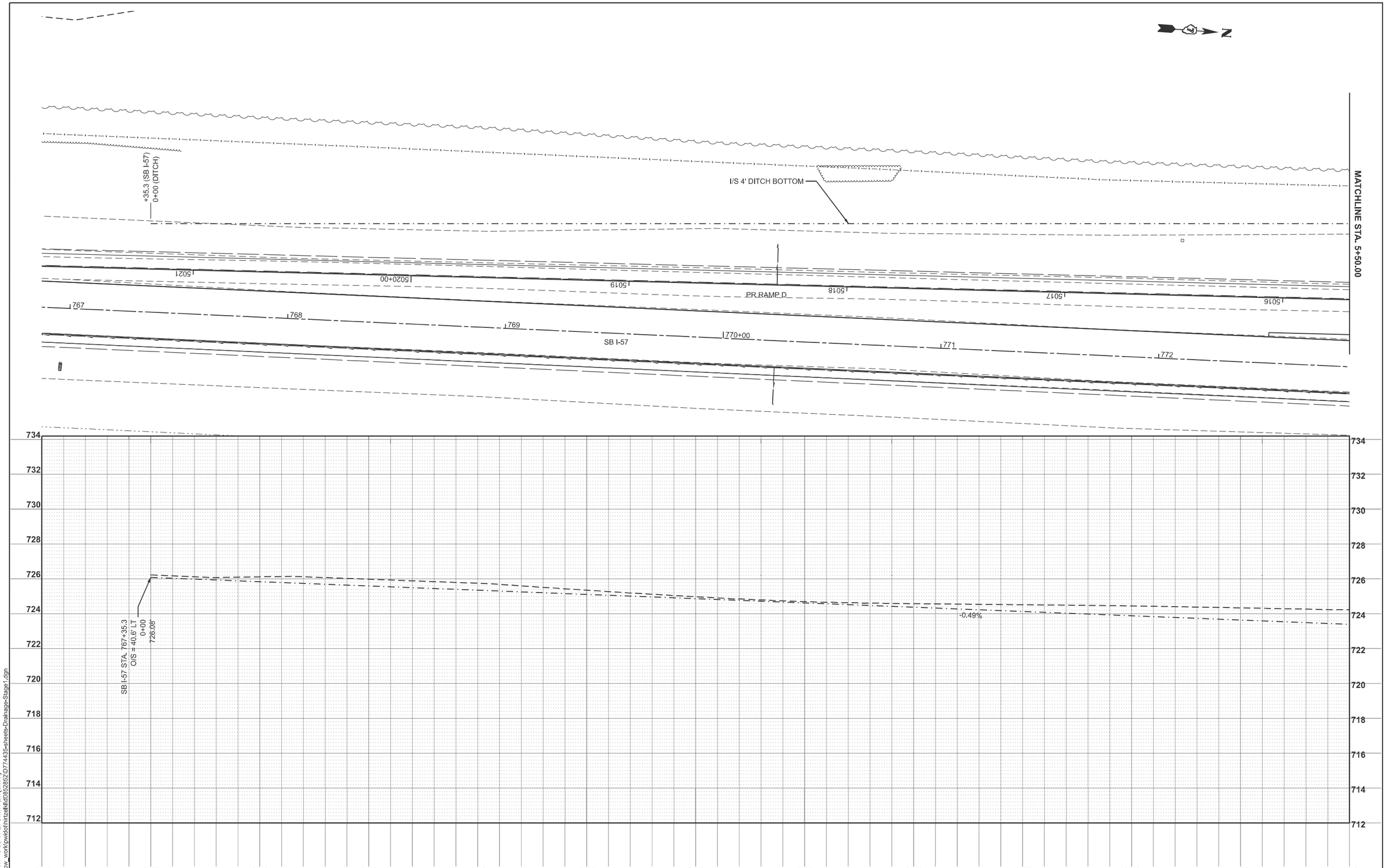
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: NORTH OVERALL VIEW

SCALE: | SHEET 2 OF 21 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	415
		CONTRACT NO. 74435		
	ILLINOIS	FED. AID PROJECT		



MODEL: GrDBot11 - S SB 57 LT Ditch Plan [Sheet]
FILE NAME: c:\pw_work\pwidot\hirzeldd\d0852852\D774435-sheets-Drainage-Stage1.dgn

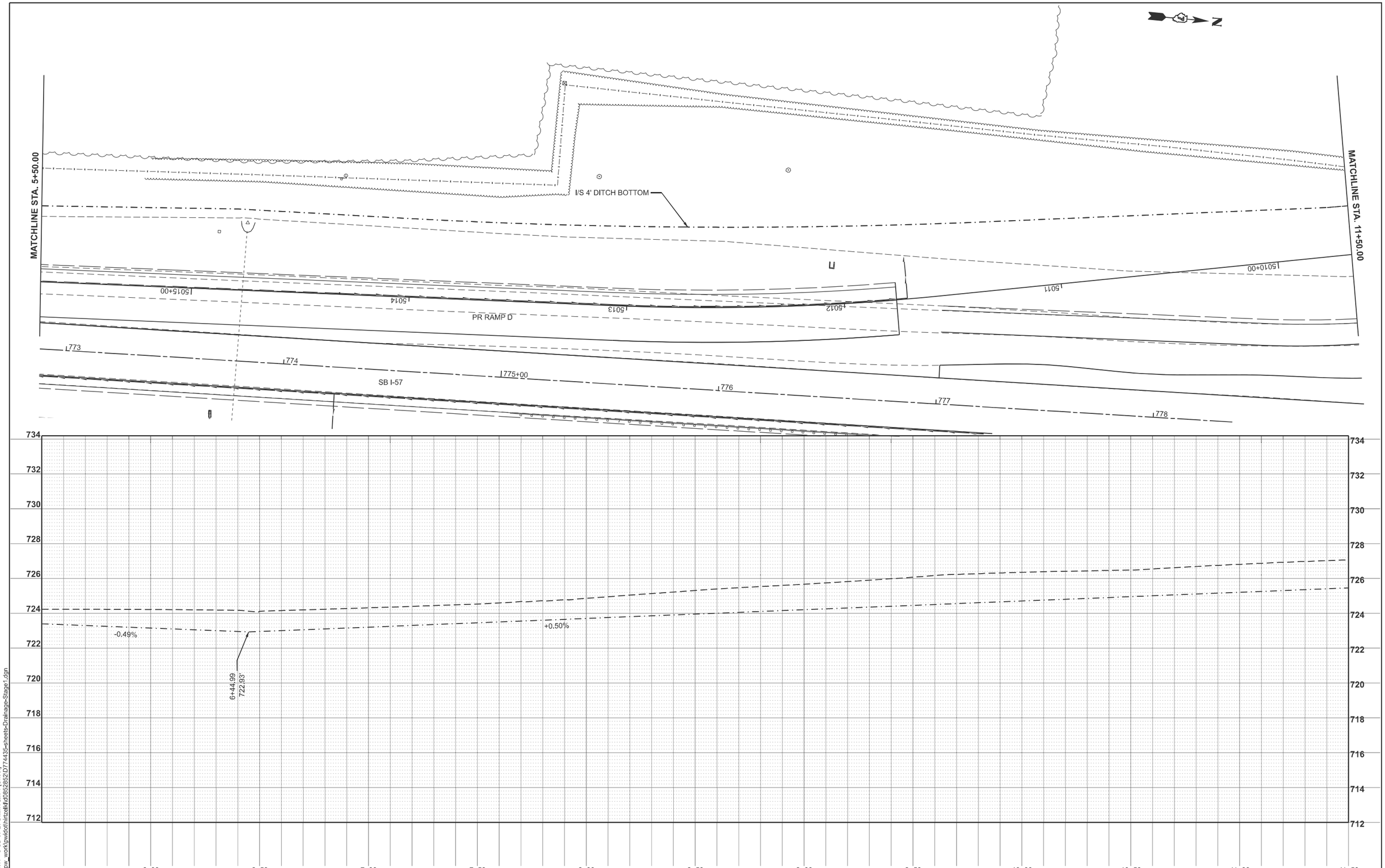
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57 & PR RAMP D

SCALE: 1"=20' | SHEET 3 OF 21 SHEETS | STA. 767+35.3 TO STA. 772+87.5

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	416
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: GrDBot11 - S SB 57 LT Ditch Plan-1 [Sheet]
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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

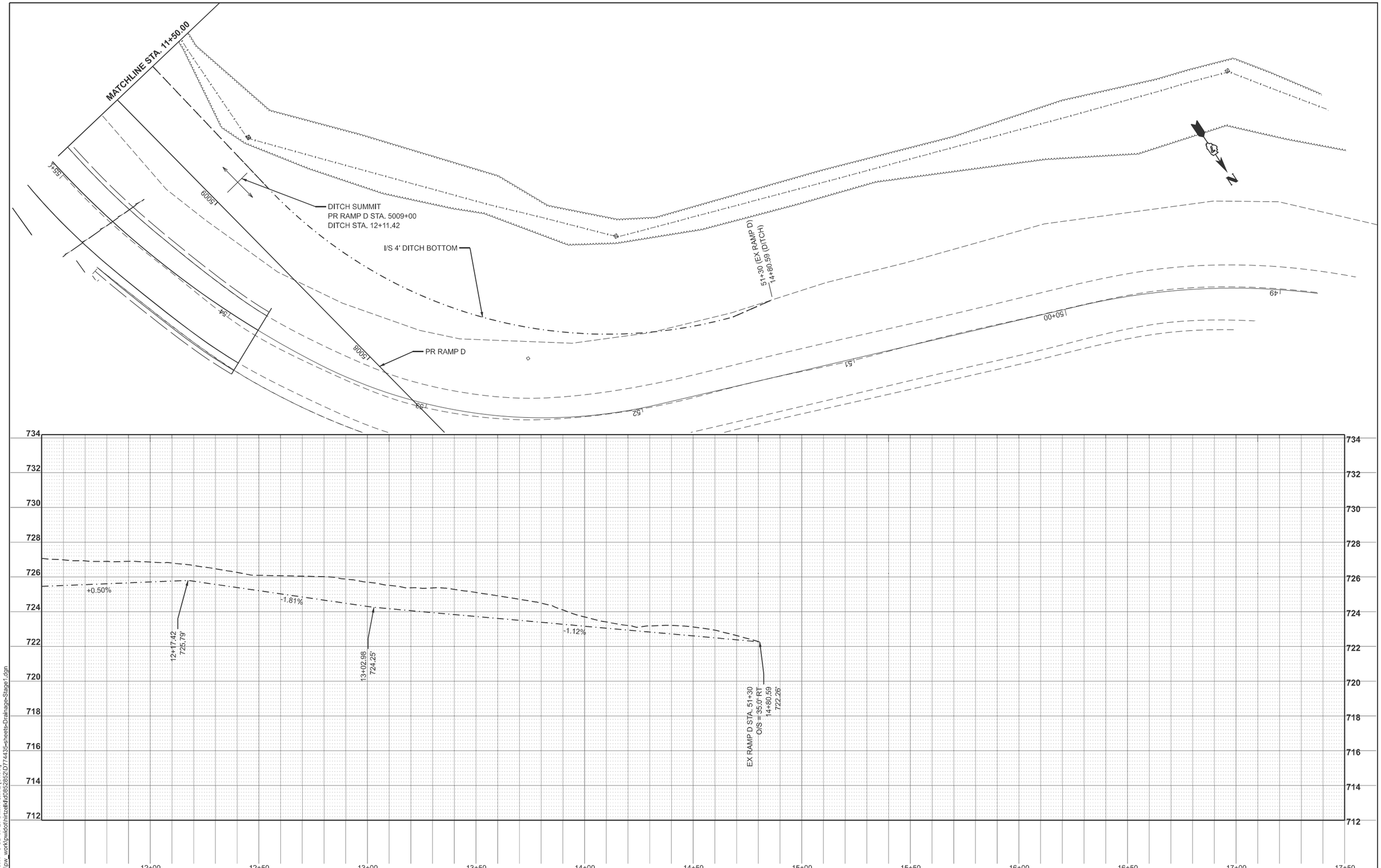
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57 & PR RAMP D

SCALE: 1"=20' | SHEET 4 OF 21 SHEETS | STA. 772+87.5 TO STA. 778+98

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	417

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: GrDBolt1 - S SB 57 LT Ditch Plan-2 [Sheet]
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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

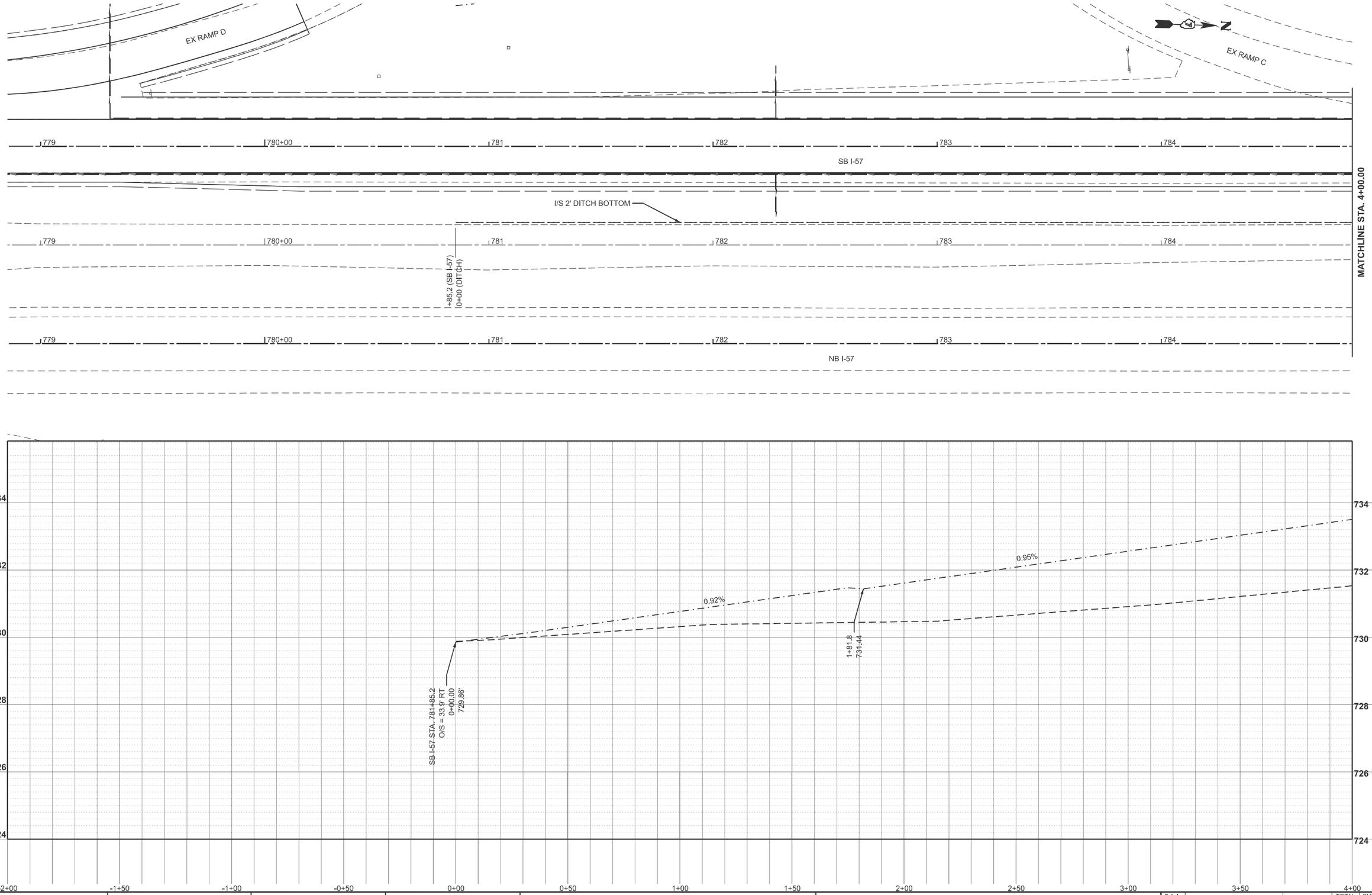
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57 & PR RAMP D

SCALE: 1"=20' | SHEET 5 OF 21 SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	418

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: S SB57 MEDIAN - S SB57 MEDIAN DITCH PLAN-2 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklid\d0852852\D774435-sheets-Drainage-Stage1.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

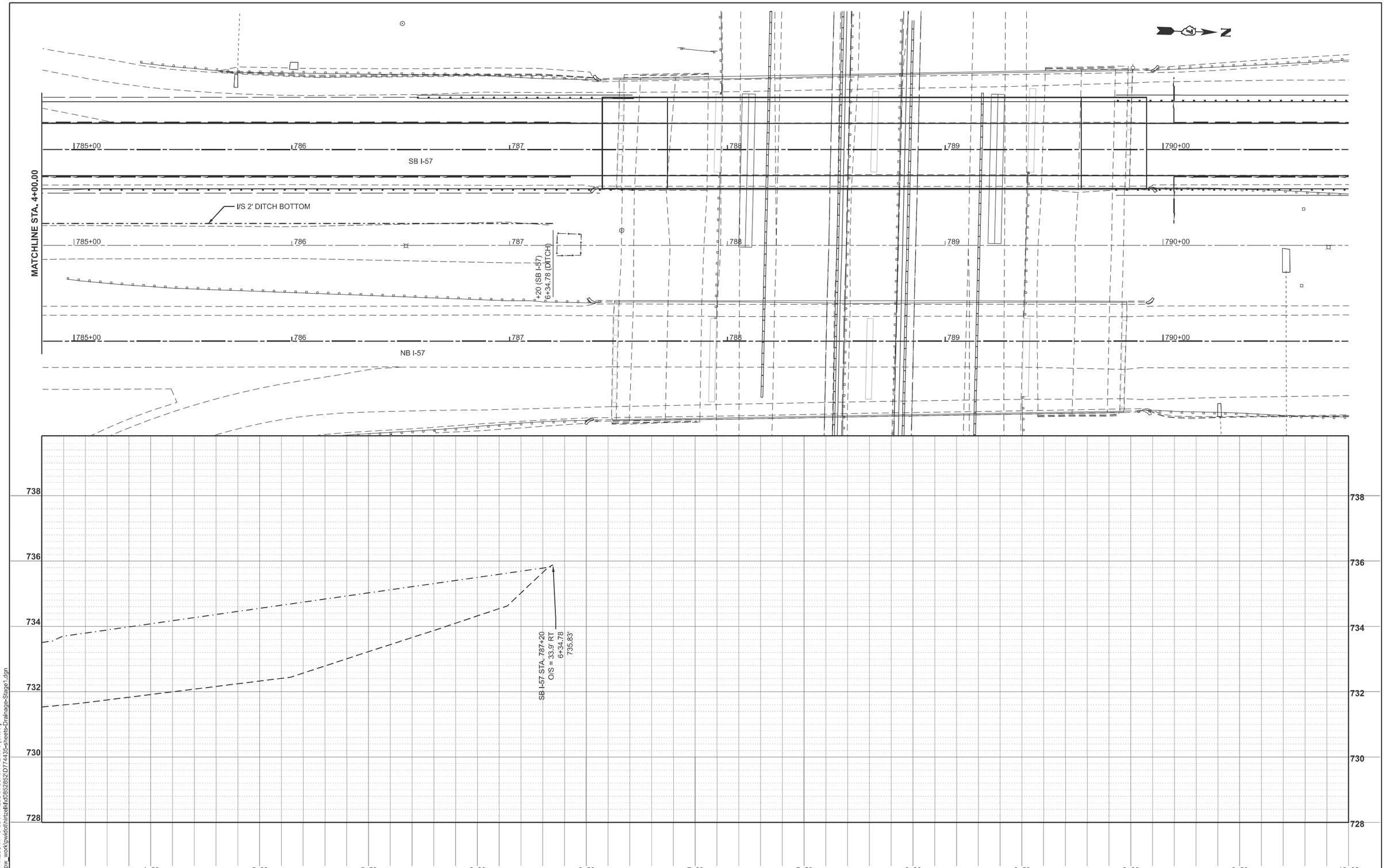
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57

SCALE: 1"=20' | SHEET 6 OF 21 SHEETS | STA. -2+00.00 TO STA. 4+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	419

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: S SB57 MEDIAN - S SB57 MEDIAN DITCH PLAN-3 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekld\d0852852\D774435-sheet1s-Drainage-Stage1.dgn

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PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

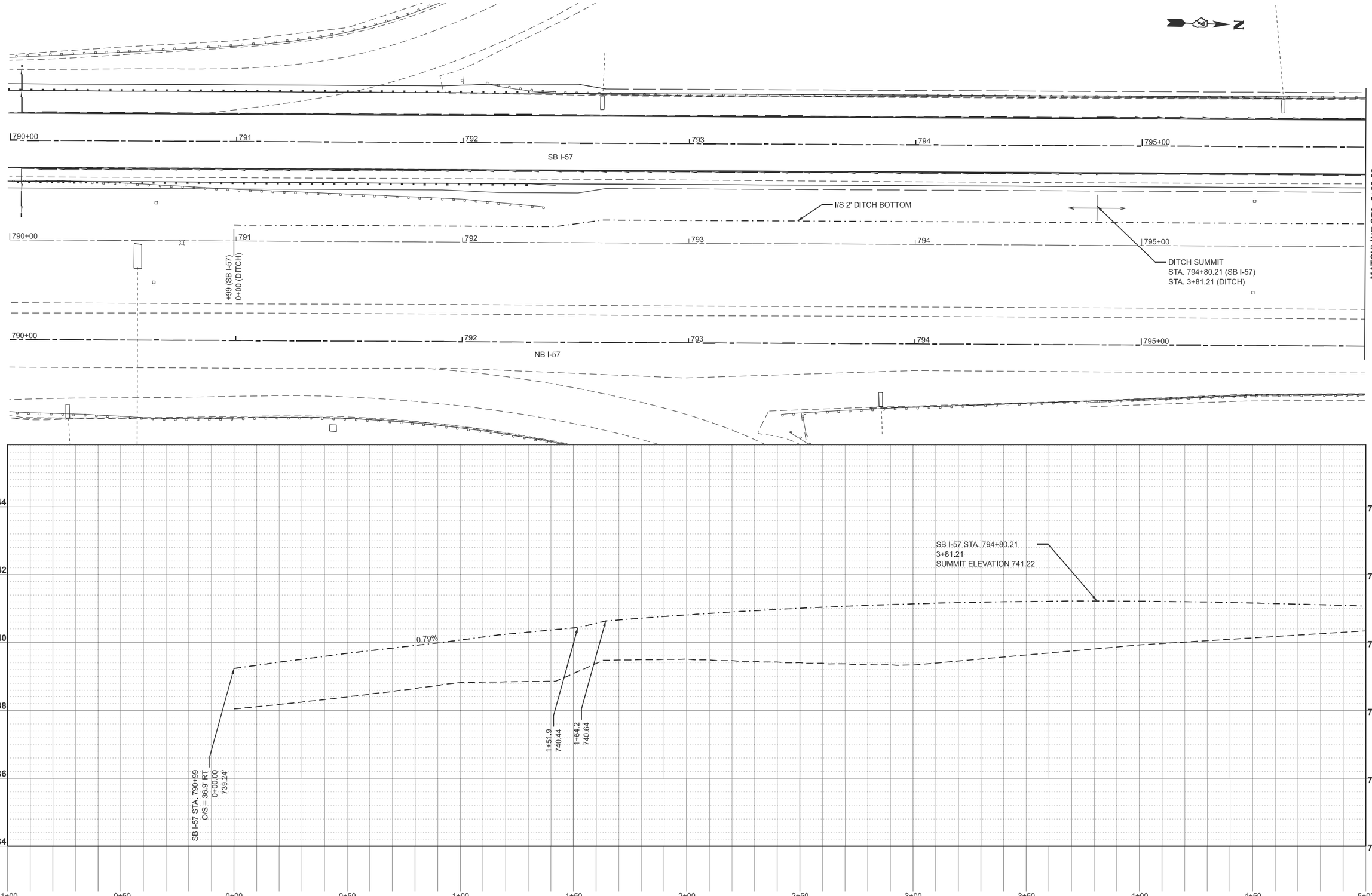
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57

SCALE: 1"=20' | SHEET 7 OF 21 SHEETS | STA. 4+00.00 TO STA. 10+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	420

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: N SB57 MEDIAN DITCH - N SB57 MEDIAN DITCH PLAN [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Stage1.dgn

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PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

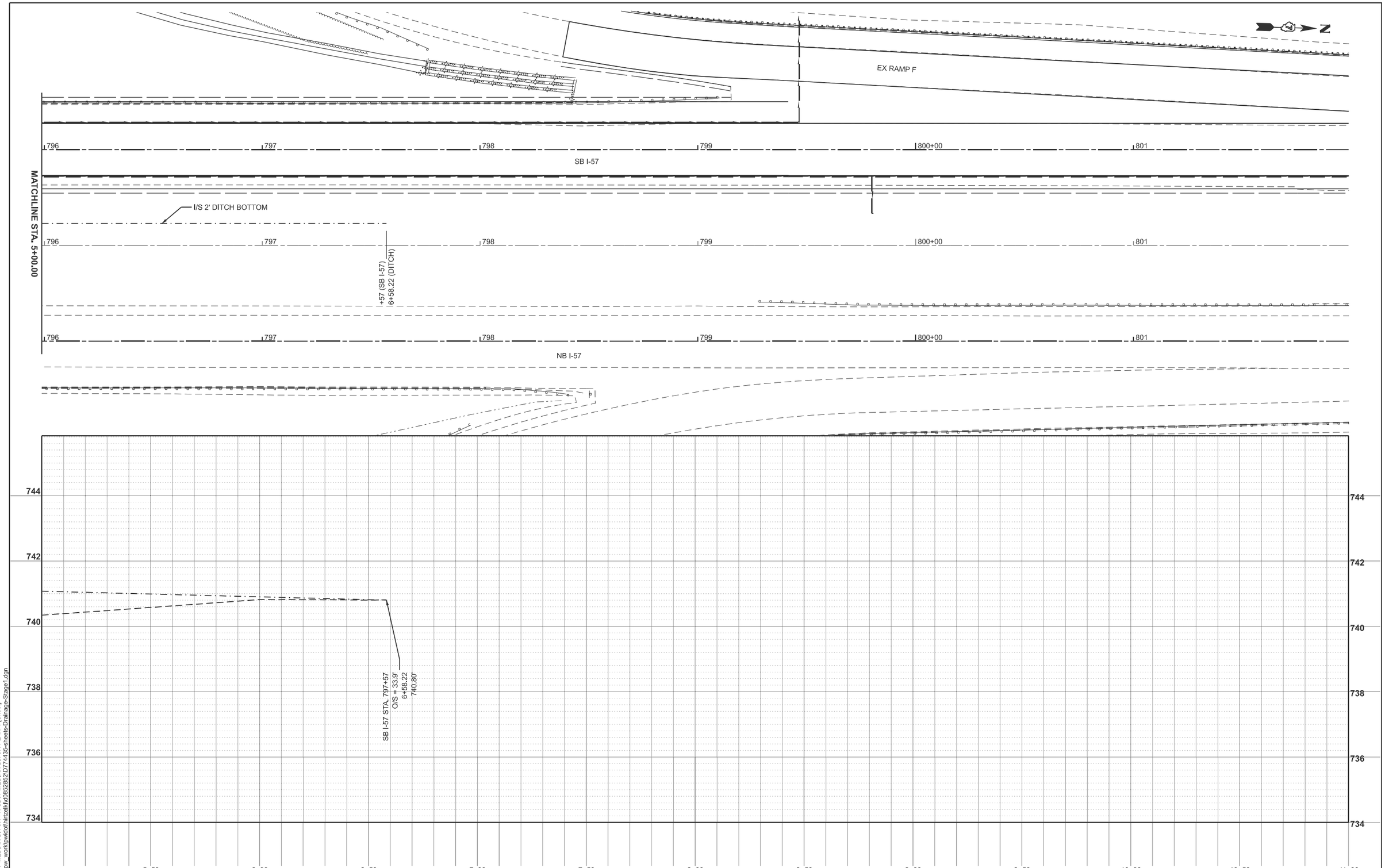
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57

SCALE: 1"=20' | SHEET 8 OF 21 SHEETS | STA. 790+99 TO STA. 795+99

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	421

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: N SB57 MEDIAN DITCH - N SB57 MEDIAN DITCH PLAN-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekkid\D852852\D774435\sheets\Drainage\Stage1.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

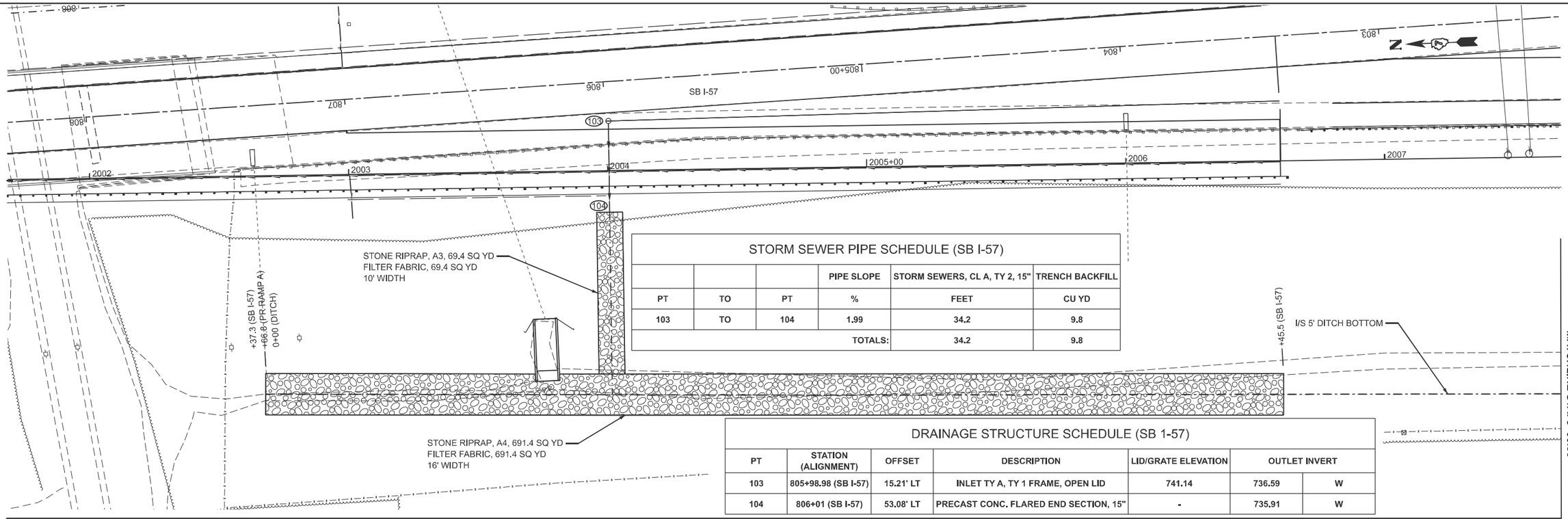
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57

SCALE: 1"=20' | SHEET 9 OF 21 SHEETS | STA. 795+99 TO STA. 797+57

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	422

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT

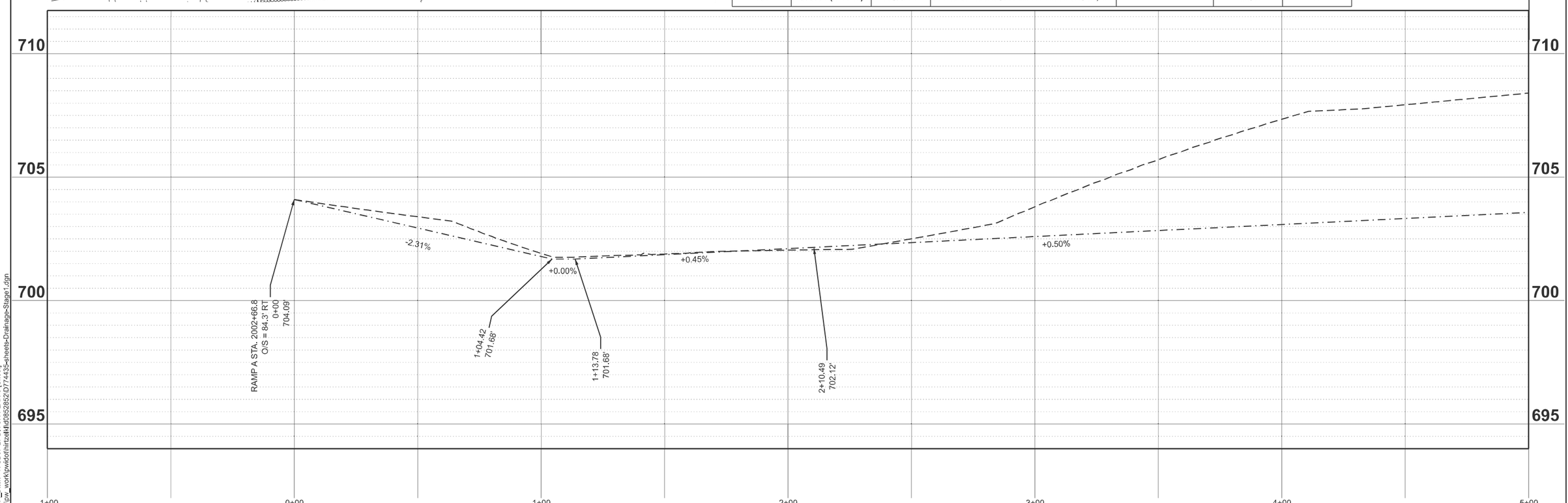


STORM SEWER PIPE SCHEDULE (SB I-57)

			PIPE SLOPE	STORM SEWERS, CL A, TY 2, 15"	TRENCH BACKFILL
PT	TO	PT	%	FEET	CU YD
103	TO	104	1.99	34.2	9.8
			TOTALS:	34.2	9.8

DRAINAGE STRUCTURE SCHEDULE (SB 1-57)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	OUTLET INVERT	
103	805+98.98 (SB I-57)	15.21' LT	INLET TY A, TY 1 FRAME, OPEN LID	741.14	736.59	W
104	806+01 (SB I-57)	53.08' LT	PRECAST CONC. FLARED END SECTION, 15"	-	735.91	W



MODEL: RampA_Ditch - N SB57 LT DITCH PLAN-3 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheets-Drainage-Stage1.dgn

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	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

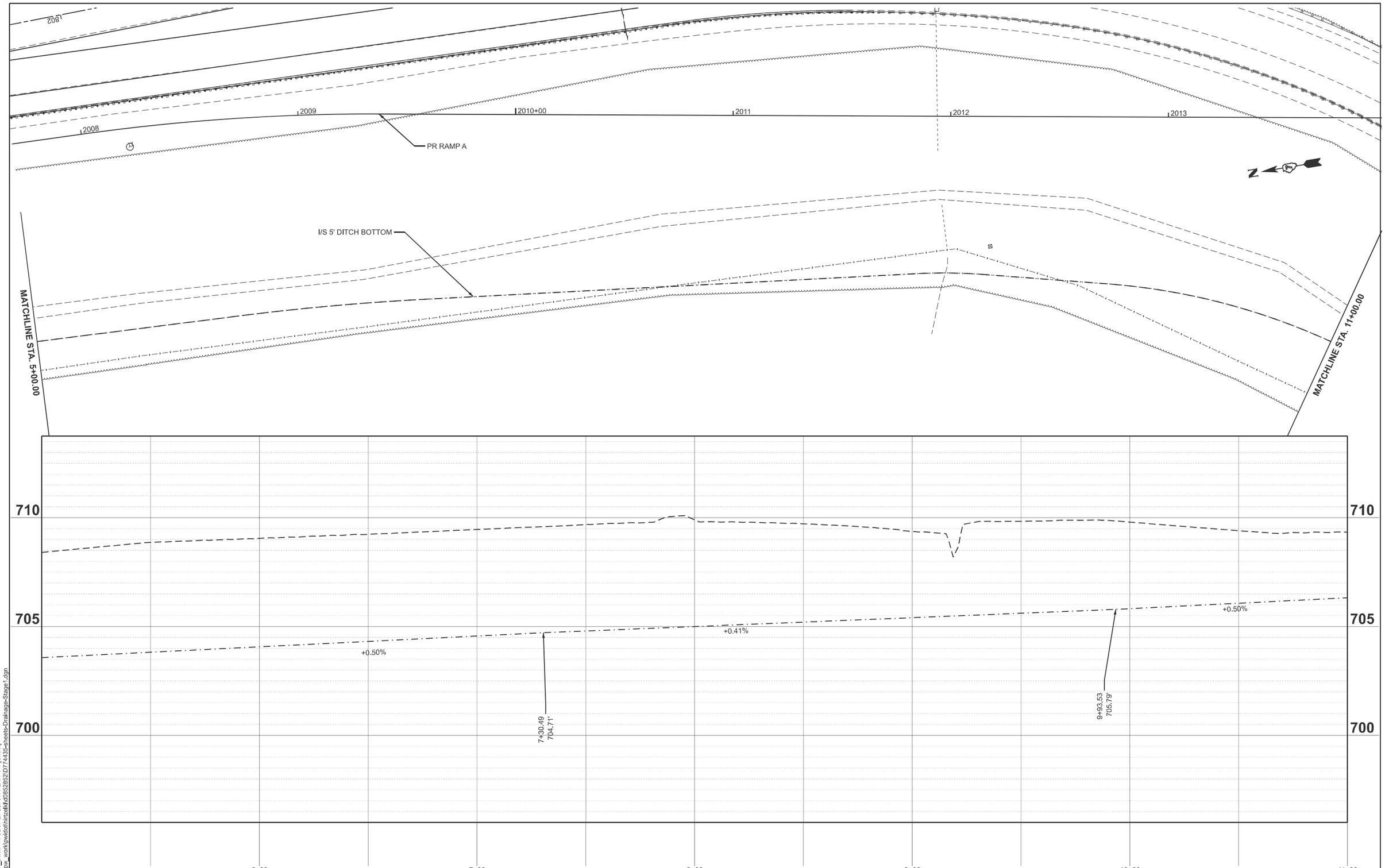
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57 & PR RAMP A

SCALE: 1"=20' | SHEET 10 OF 21 SHEETS | STA. -1+00.00 TO STA. 5+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	423

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: RampA_Ditch - N SB57 LT DITCH PLAN-1-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekld\d0852852\D774435-sheet5-Drainage-Stage1.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

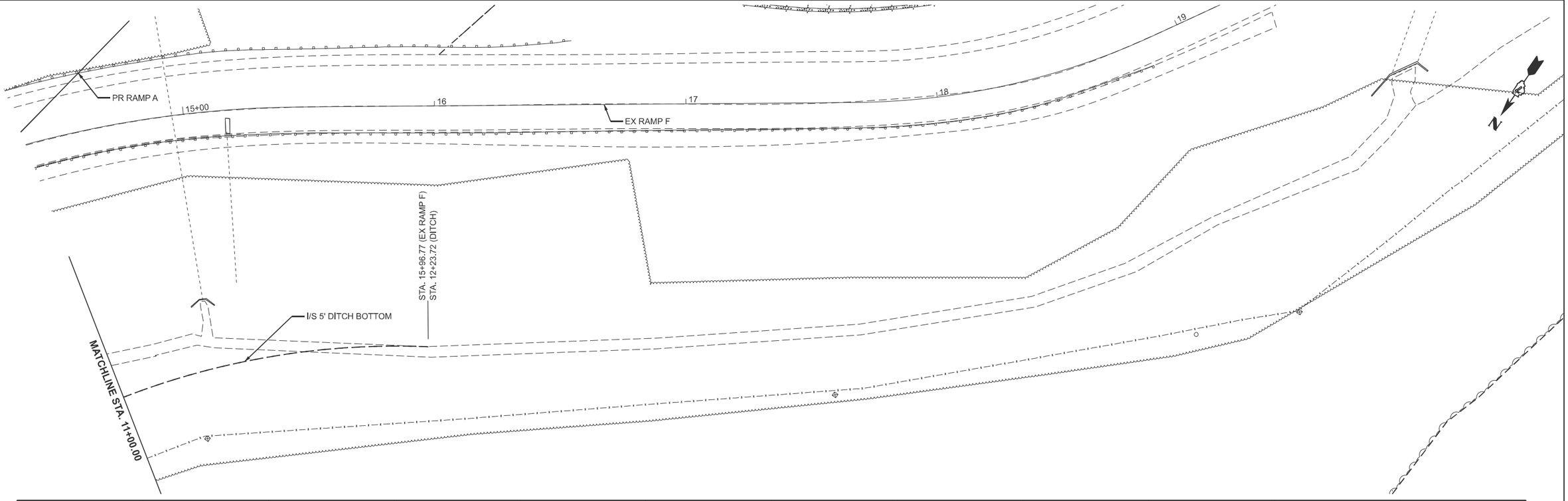
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57 & PR RAMP A

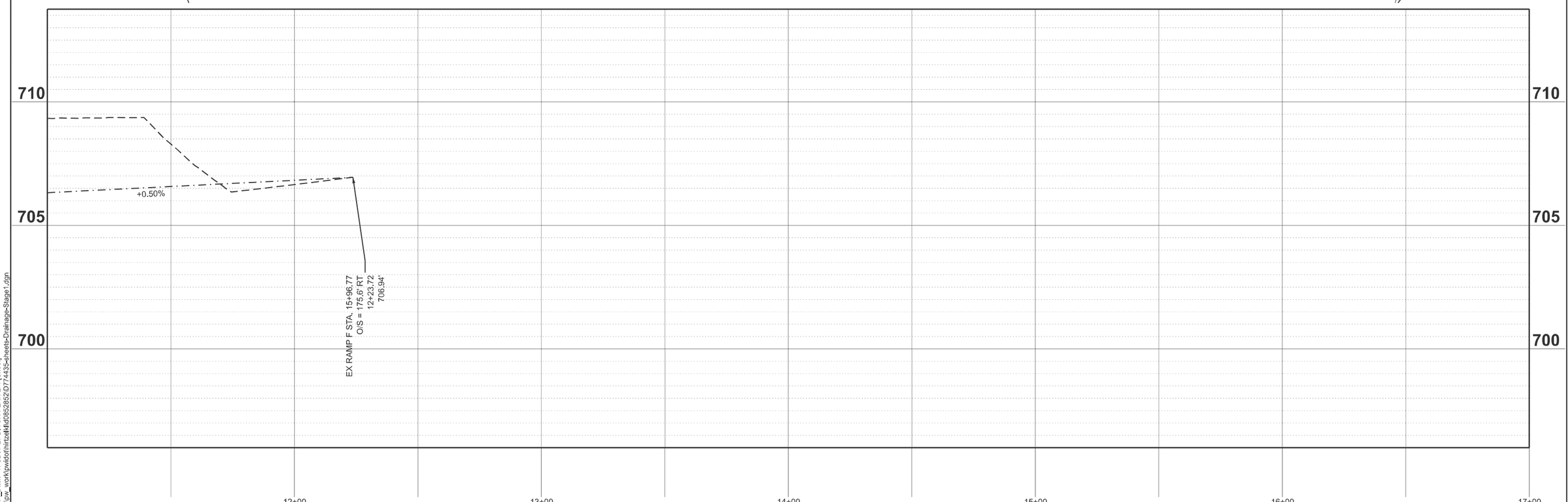
SCALE: 1"=20' | SHEET 11 OF 21 SHEETS | STA. 5+00.00 TO STA. 11+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	424

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT





MODEL: RampA_Ditch - N SB57 LT DITCH PLAN-2-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheets-Drainage-Stage1.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

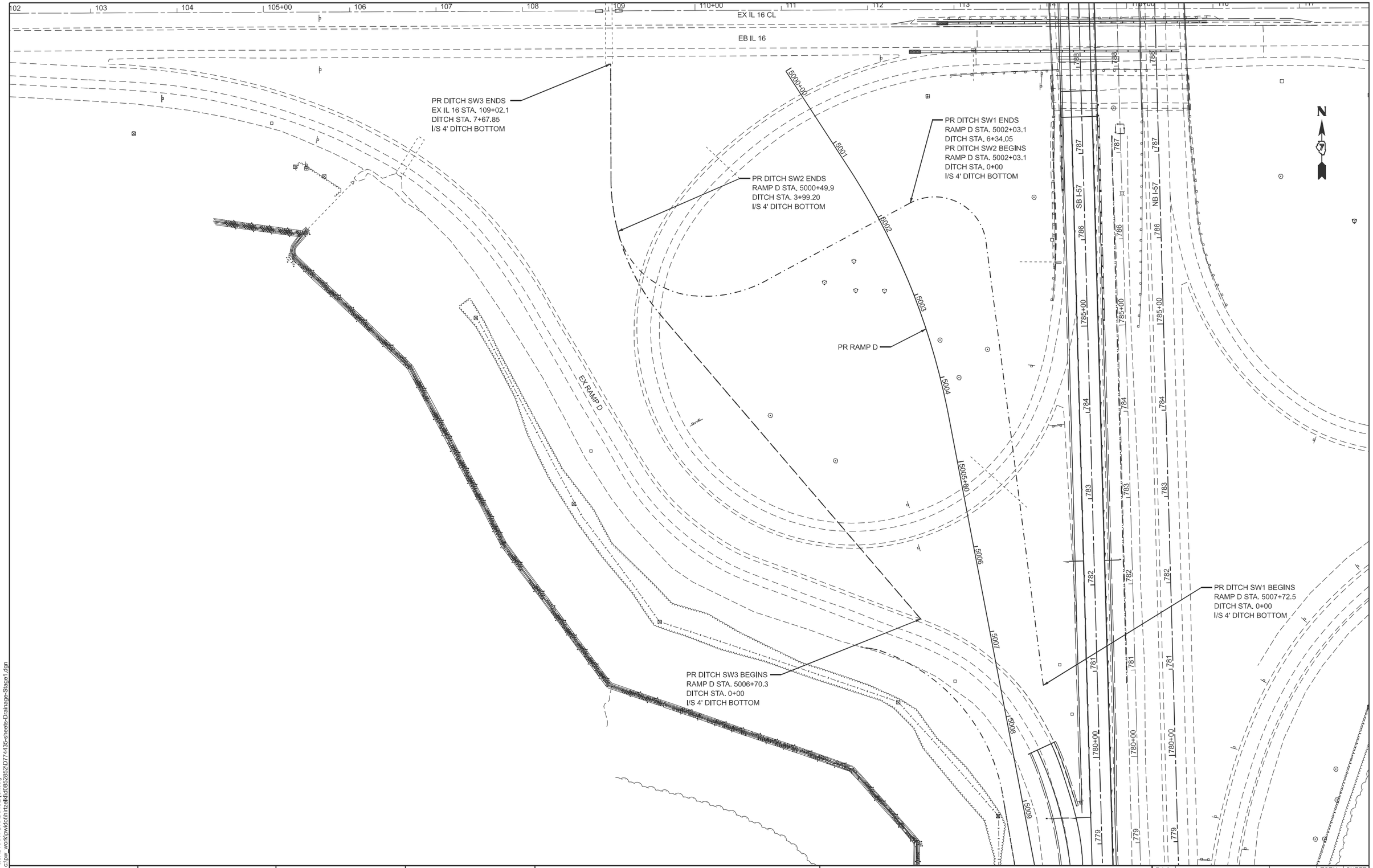
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57 & PR RAMP A

SCALE: 1"=20' | SHEET 12 OF 21 SHEETS | STA. 11+00.00 TO STA. 17+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	425

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: SW QUADRANT DRAINAGE [Sheet]
FILE NAME: c:\pw_work\pw\kothirtzel\kld0852852\D774435-sheets-Drainage-Stage1.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
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PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

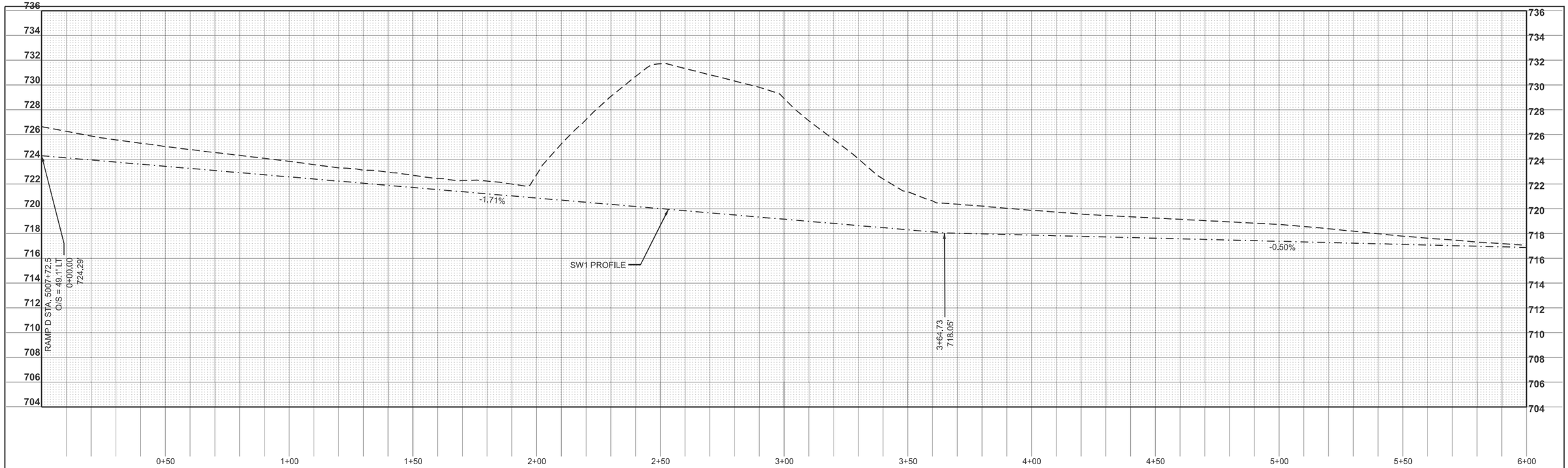
DRAINAGE PLAN & PROFILE
STAGE 1: SW INTERCHANGE QUADRANT

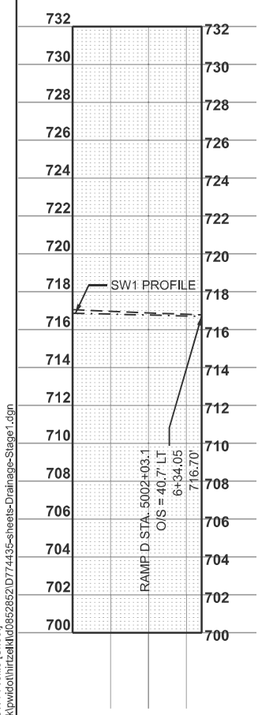
SCALE: | SHEET 13 OF 21 SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	426

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT





MODEL: SW1 profile - SW1 Profile [Sheet]
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	DRAWN -	REVISED -	
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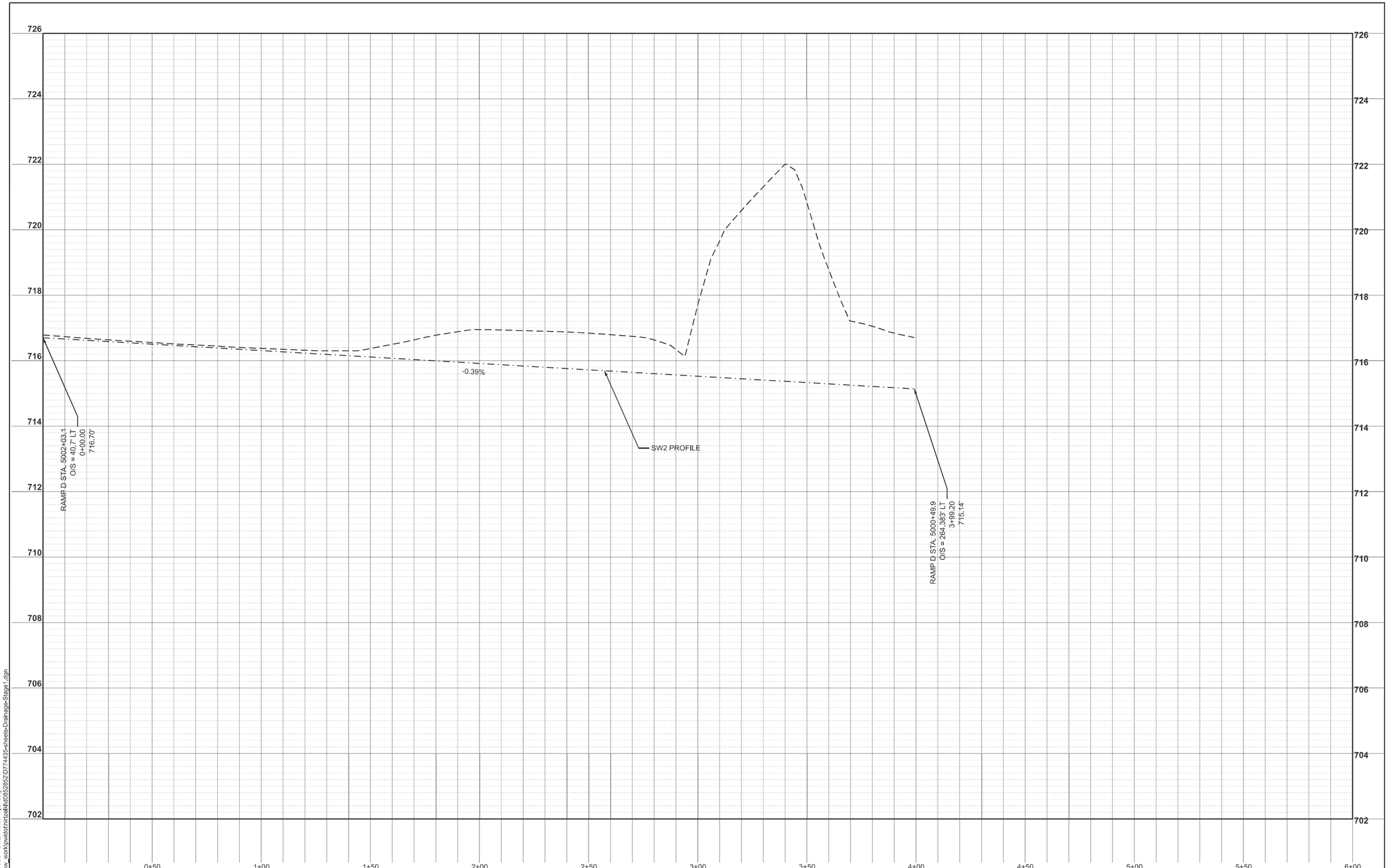
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: SW INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 14 OF 21 SHEETS | STA. 0+00.00 TO STA. 6+34.05

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	427
		CONTRACT NO. 74435		
	ILLINOIS	FED. AID PROJECT		



MODEL: SW2 Profile - SW2 Profile-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Stage1.dgn

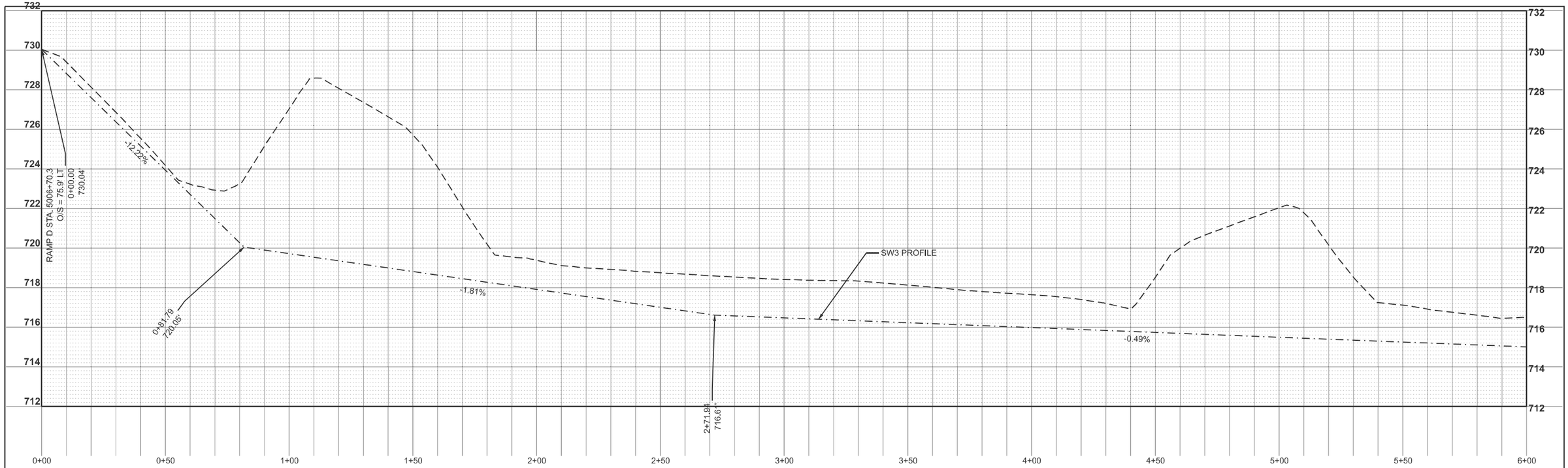
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

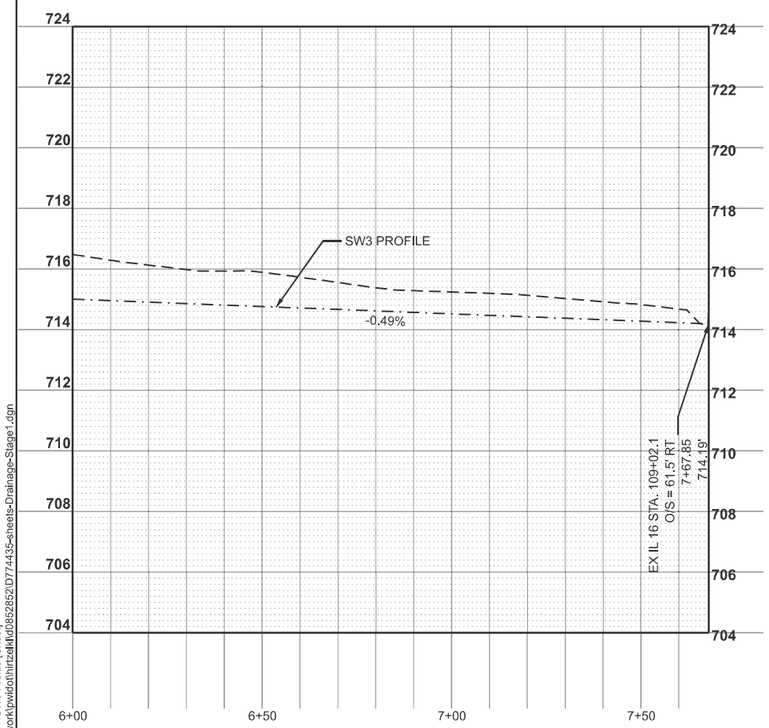
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: SW INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 15 OF 21 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	428
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		





MODEL: SW3 Profile - SW3 Profile [Sheet]
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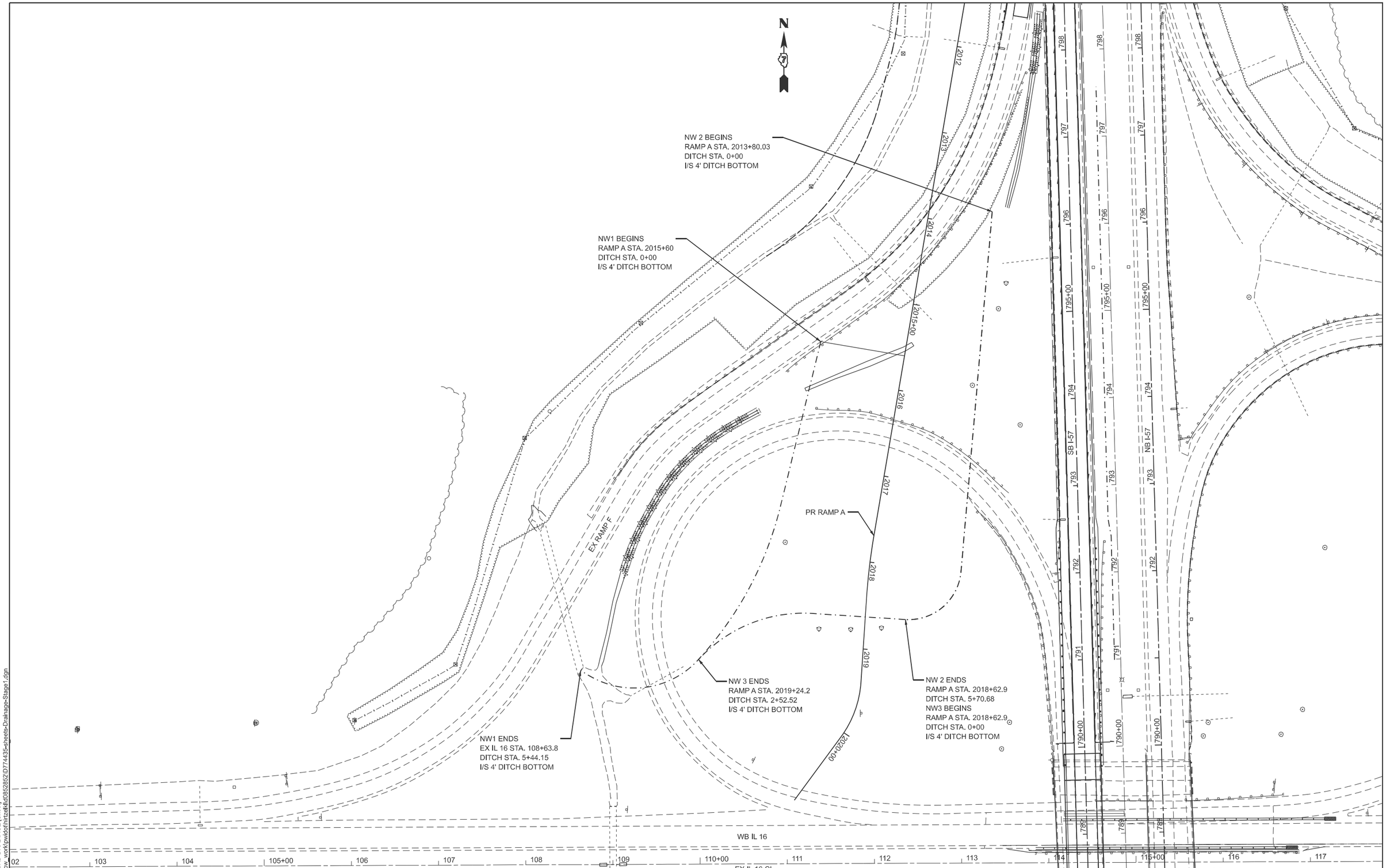
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: SW INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 16 OF 21 SHEETS | STA. 0+00.00 TO STA. 7+67.85

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	429
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



MODEL: NW QUAD DRAINAGE [Sheet]
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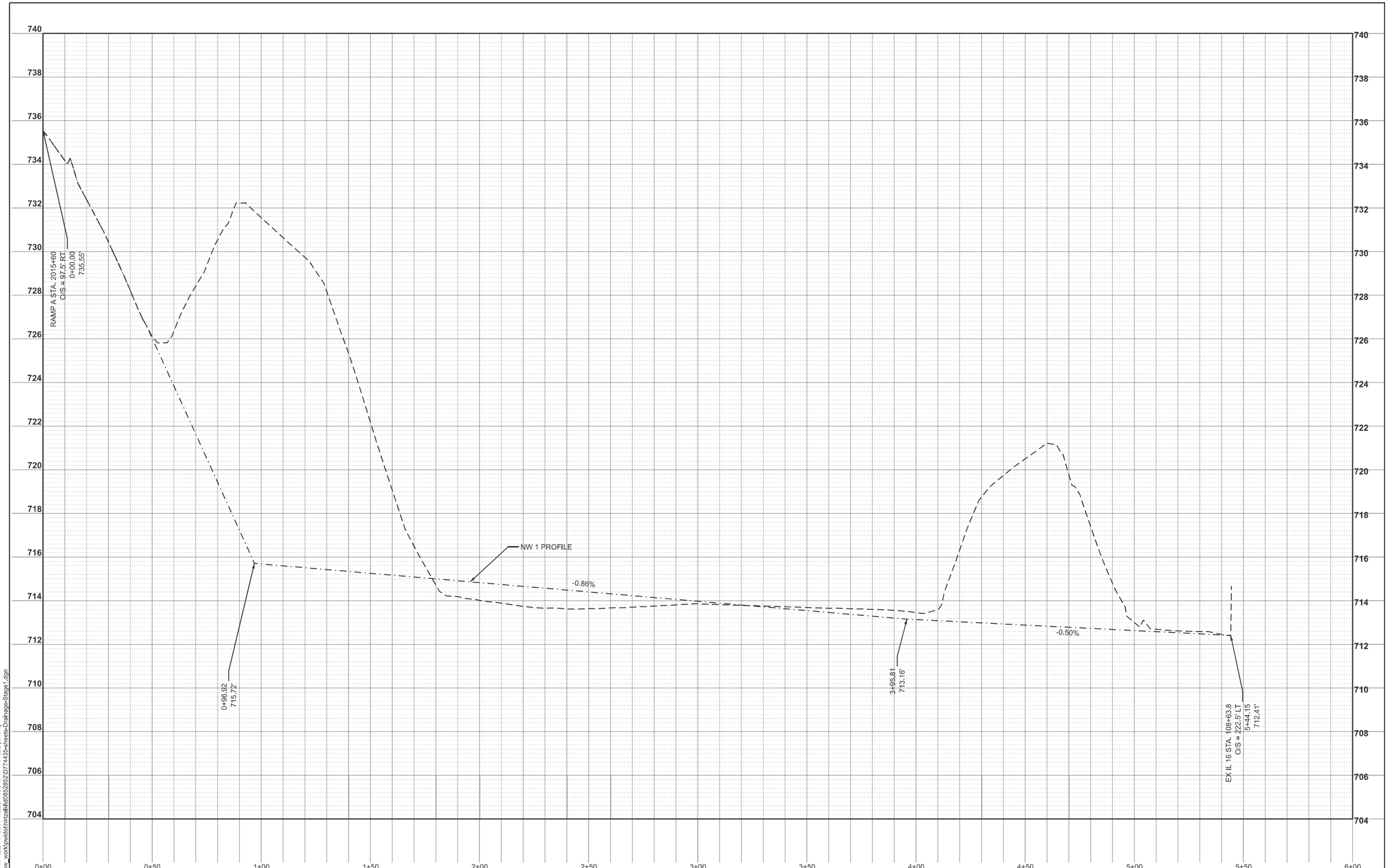
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/28/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE1: NW INTERCHANGE QUADRANT

SCALE: | SHEET 17 OF 21 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	430
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: NW1 PROFILE - N SB57 MEDIAN DITCH PROFILE [Sheet]
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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

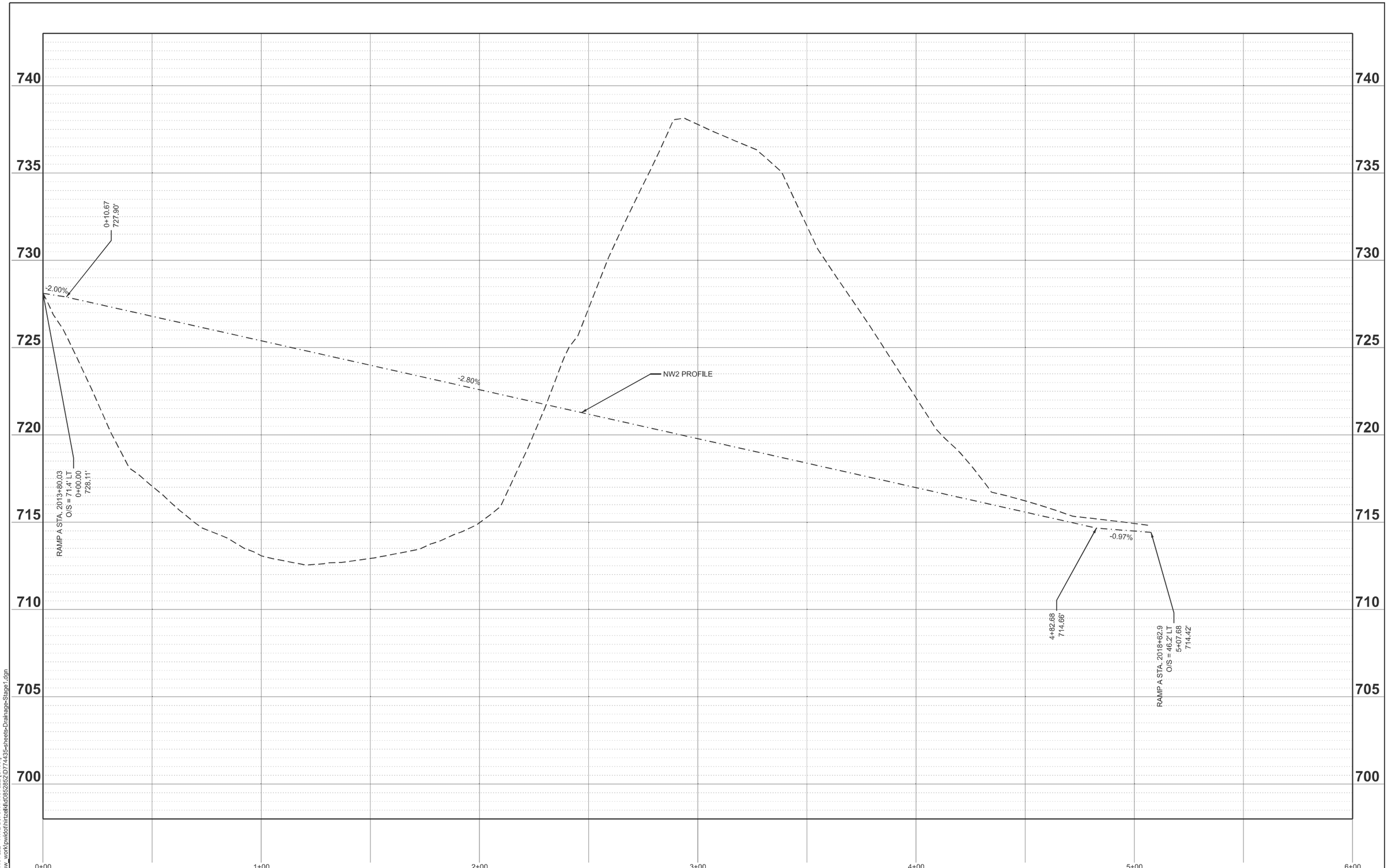
DRAINAGE PLAN & PROFILE
STAGE NW INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 18 OF 21 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	431

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: NW2 PROFILE - NW2 DITCH PROFILE [Sheet]
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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

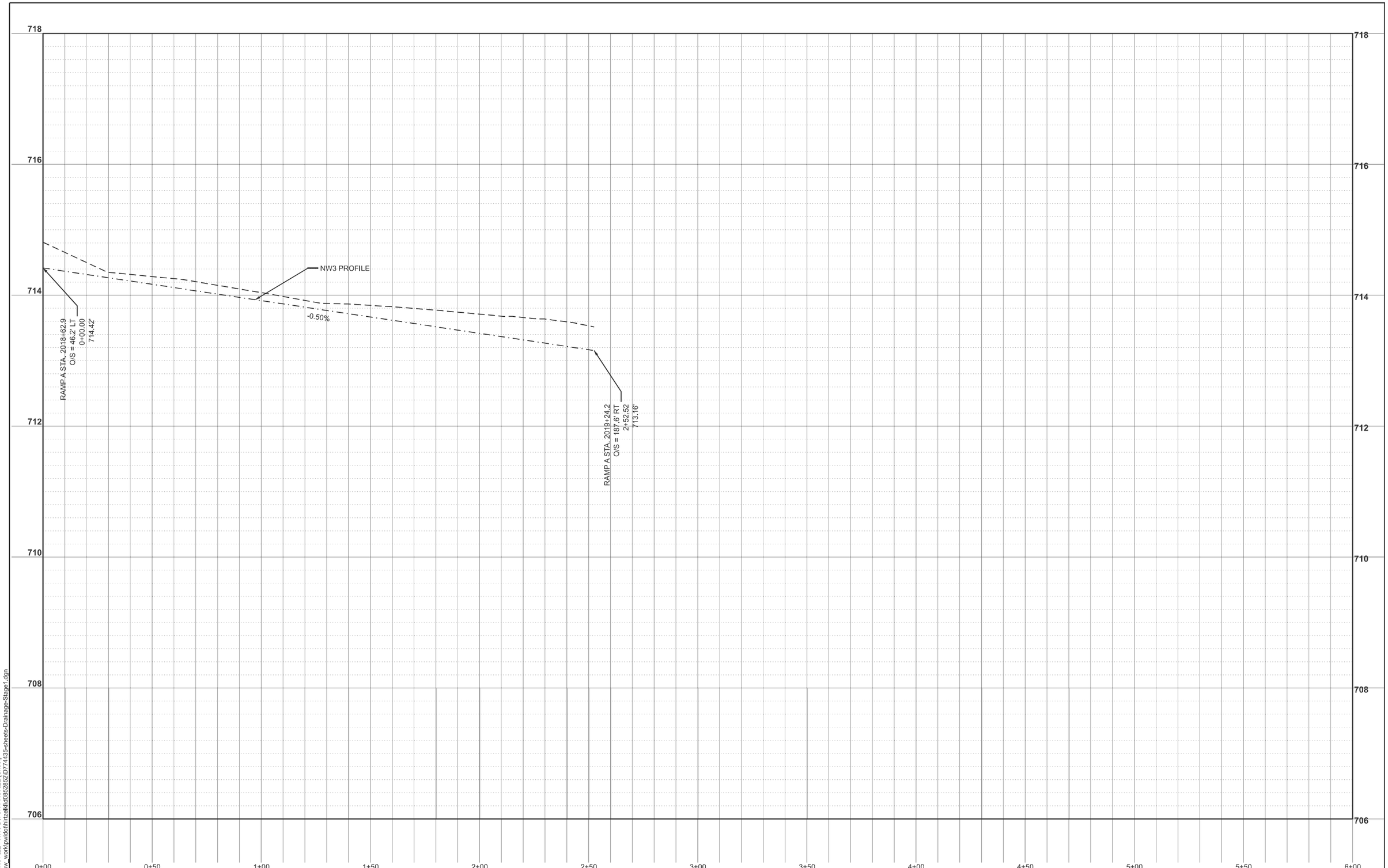
DRAINAGE PLAN & PROFILE
STAGE NW INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 19 OF 21 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	432

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: NW3 PROFILE - NW3 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Stage1.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

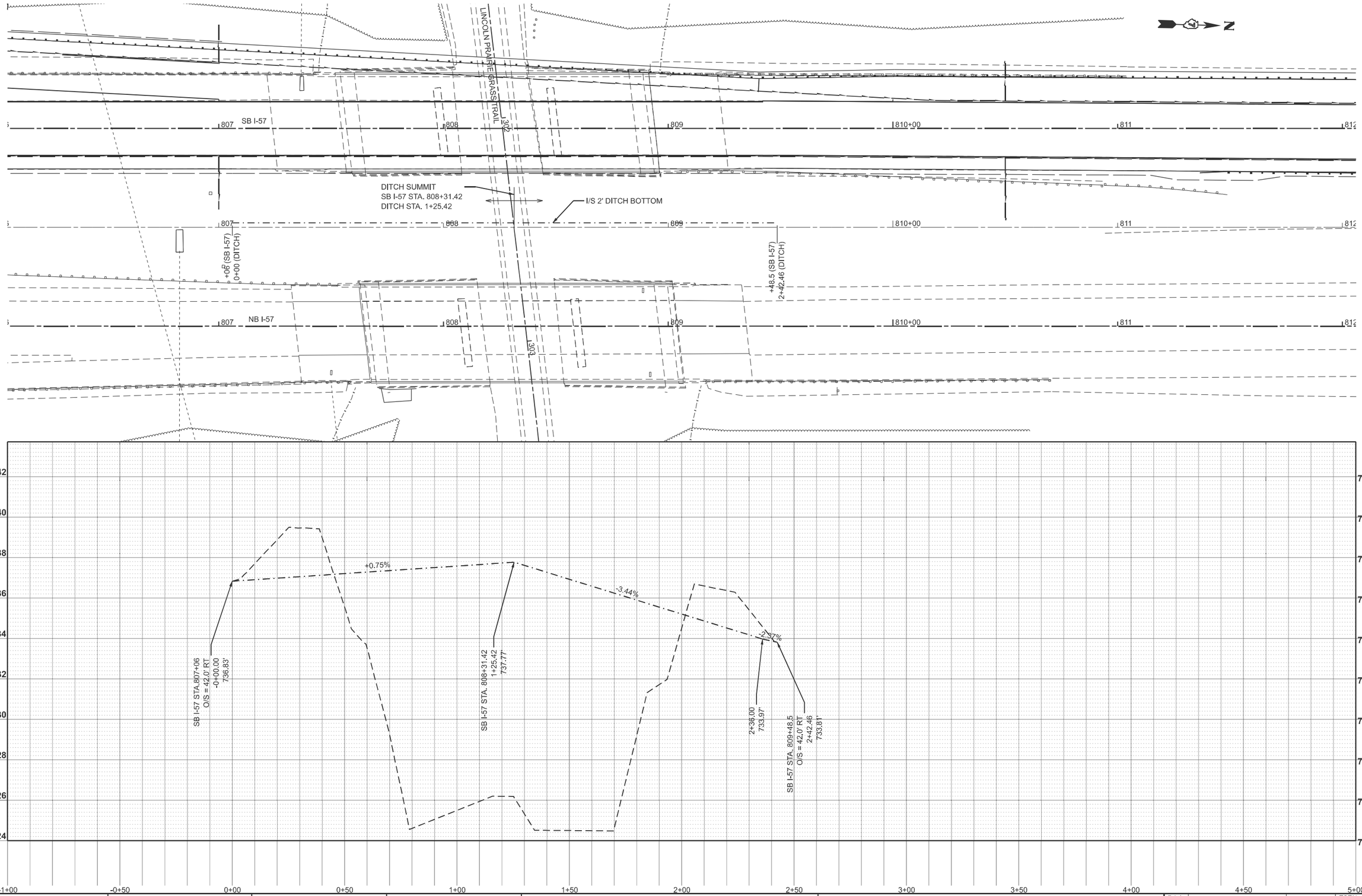
DRAINAGE PLAN & PROFILE
STAGE NW INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 20 OF 21 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	433

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: Box_MedianDitch - sb57 BikeBox Median Plan [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekl\d0852852\D774435-sheets-Drainage-Stage1.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

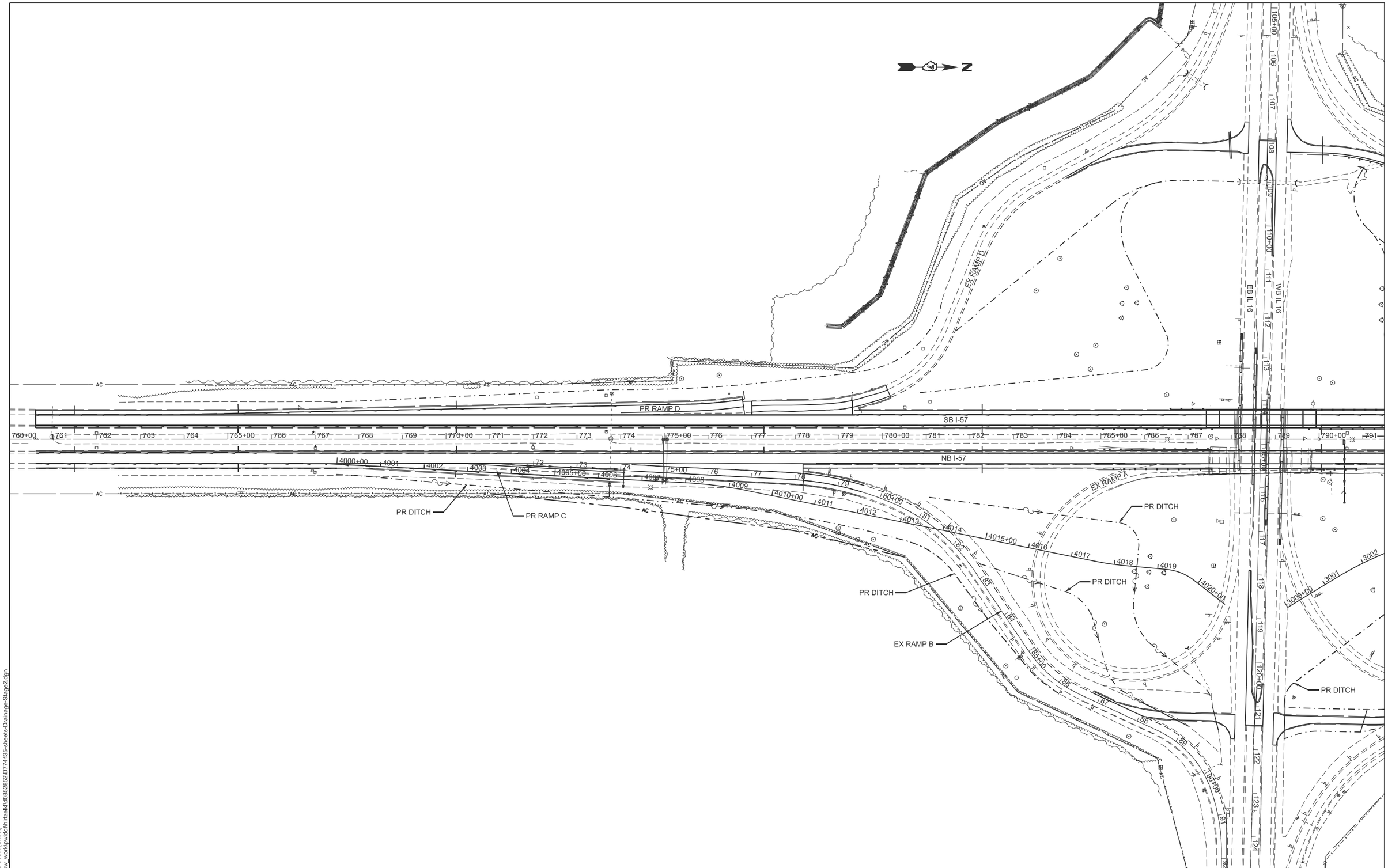
DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57

SCALE: 1"=20' | SHEET 21 OF 21 SHEETS | STA. 807+06 TO STA. 809+48.5

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	434

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: Stage 2 South [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklk\d0852852\D774435~sheets~Drainage~Stage2.dgn

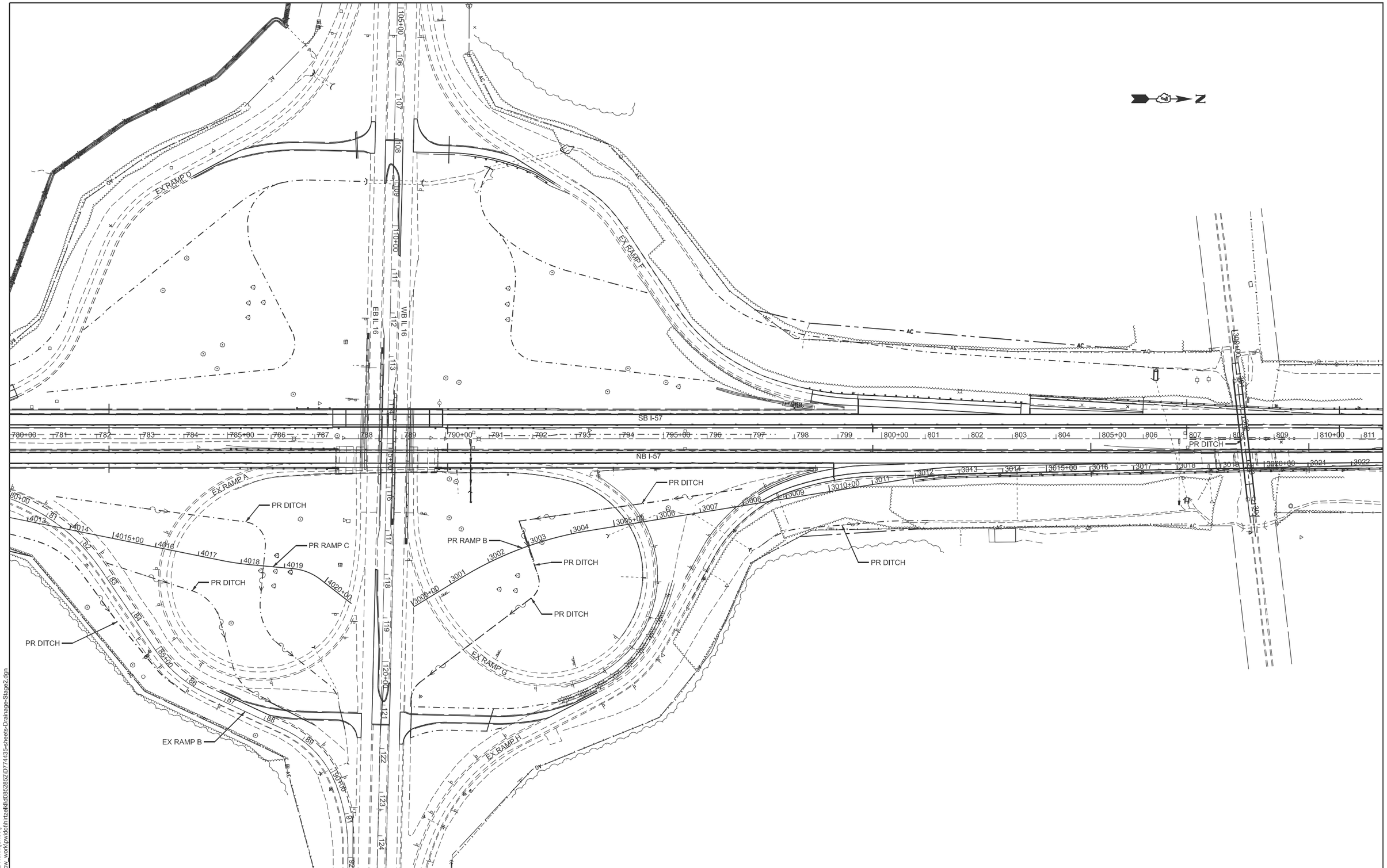
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: SOUTH OVERALL VIEW

SCALE: | SHEET 1 OF 14 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	435
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



MODEL: Stage 2 North [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel\d0852852\D774435-sheets-Drainage-Stage2.dgn

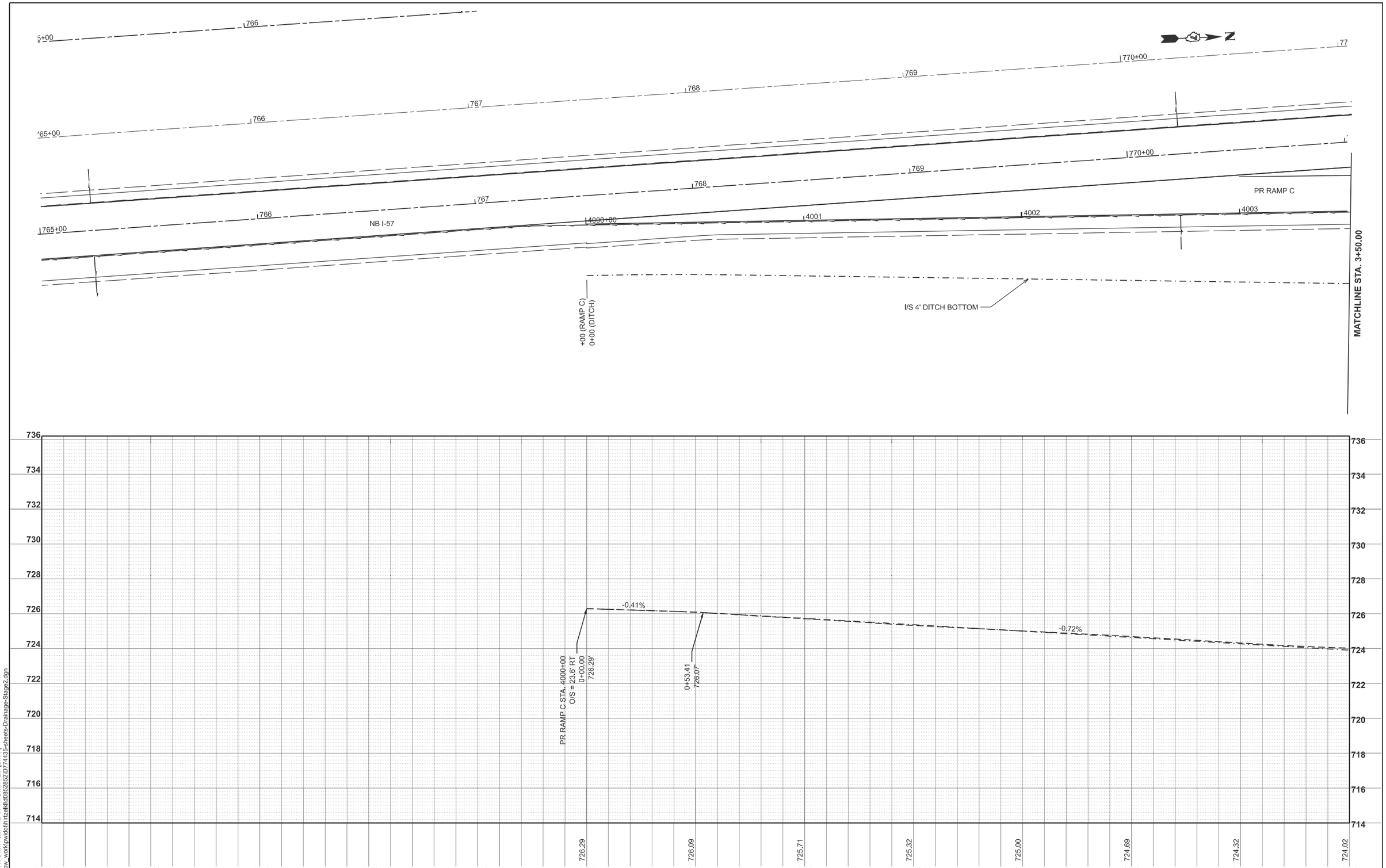
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: NORTH OVERALL VIEW

SCALE: | SHEET 2 OF 14 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	436
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



MODEL: NB 57 RT Ditch Plan - NB 57 RT Ditch Plan [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel\d0852852\D774435-sheets-Drainage-Stage2.dgn

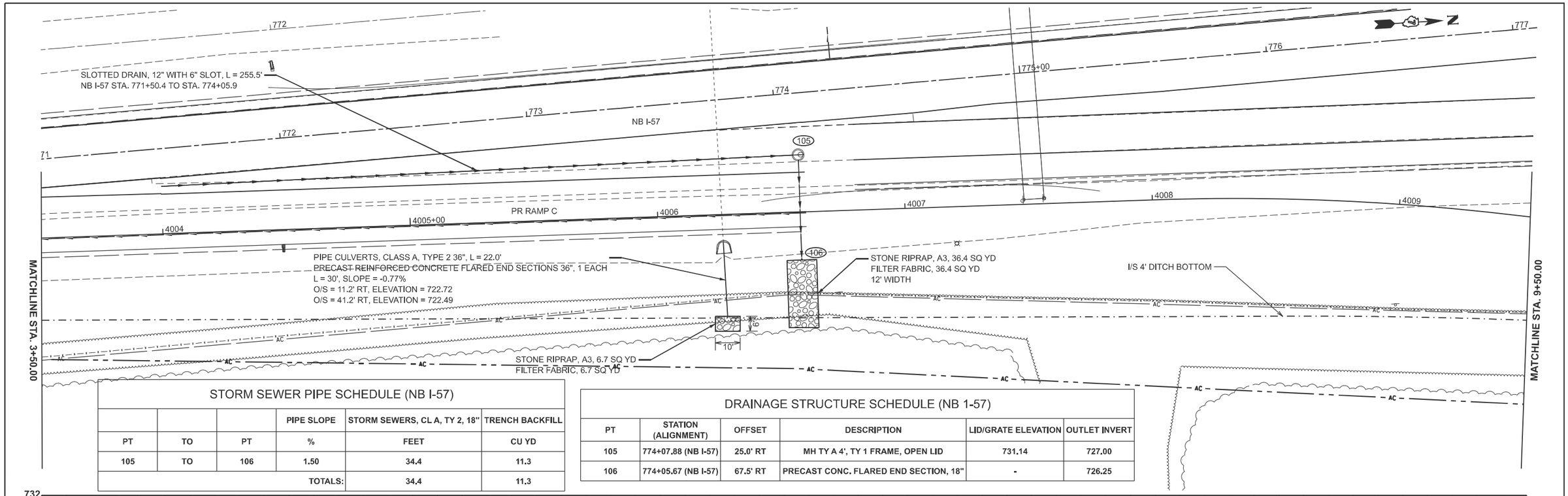
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: NB I-57 & PR RAMP C

SCALE: 1"=20' | SHEET 3 OF 14 SHEETS | STA. -2+50.00 TO STA. 3+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	437
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	

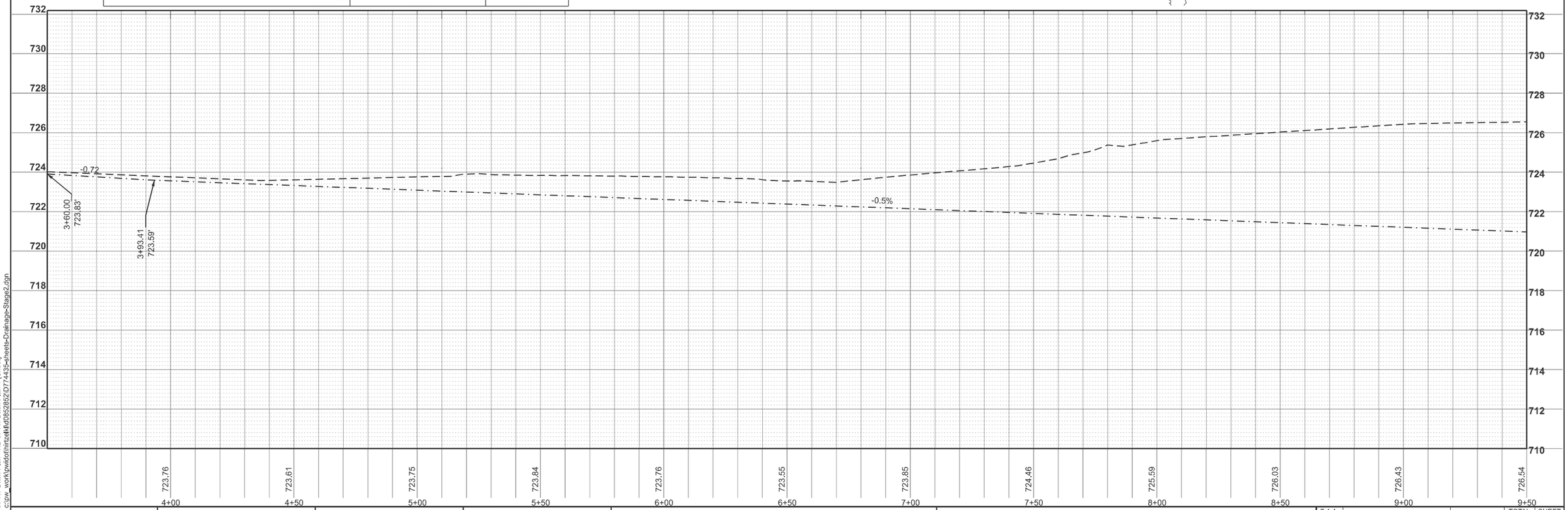


STORM SEWER PIPE SCHEDULE (NB I-57)

			PIPE SLOPE	STORM SEWERS, CL A, TY 2, 18"	TRENCH BACKFILL
PT	TO	PT	%	FEET	CU YD
105	TO	106	1.50	34.4	11.3
			TOTALS:	34.4	11.3

DRAINAGE STRUCTURE SCHEDULE (NB 1-57)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	OUTLET INVERT
105	774+07.88 (NB I-57)	25.0' RT	MH TY A 4', TY 1 FRAME, OPEN LID	731.14	727.00
106	774+05.67 (NB I-57)	67.5' RT	PRECAST CONC. FLARED END SECTION, 18"	-	726.25



MODEL: NB 57 RT Ditch Plan - NB 57 RT Ditch Plan-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheets-Drainage-Stage2.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

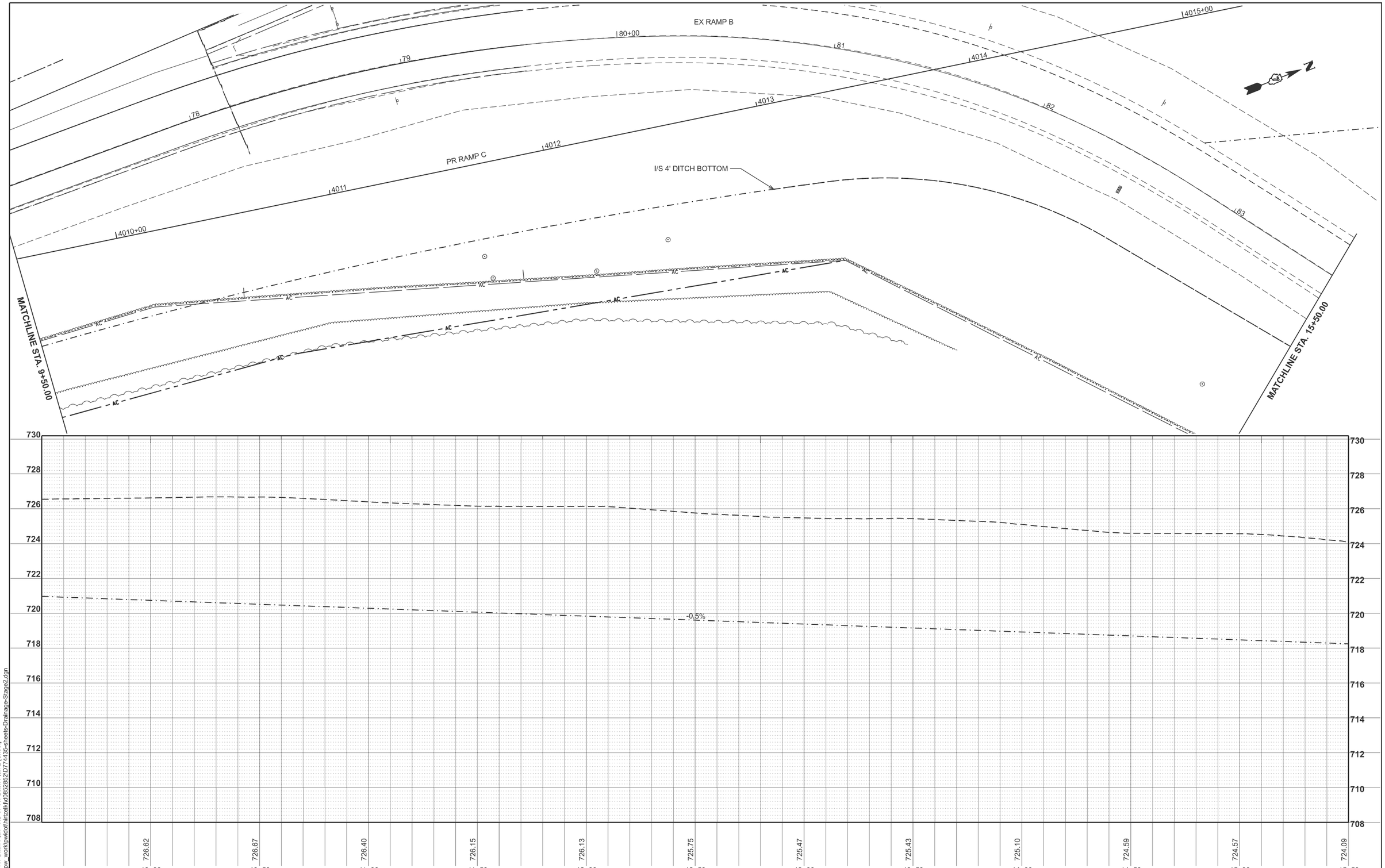
DRAINAGE PLAN & PROFILE
STAGE 2: NB I-57 & PR RAMP C

SCALE: 1"=20' | SHEET 4 OF 14 SHEETS | STA. 3+50.00 TO STA. 9+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	438

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: NB 57 RT Ditch Plan - NB 57 RT Ditch Plan-2 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkd\d0852852\D774435-sheets-Drainage-Stage2.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

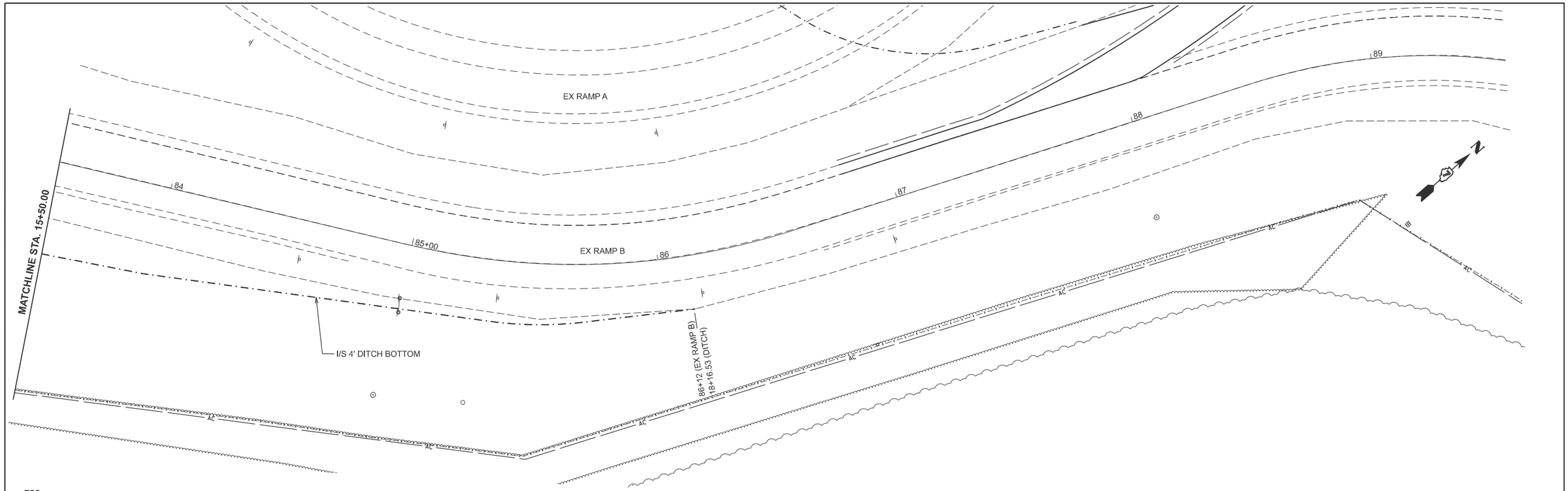
DRAINAGE PLAN & PROFILE
STAGE 2: NB I-57 & PR RAMP C

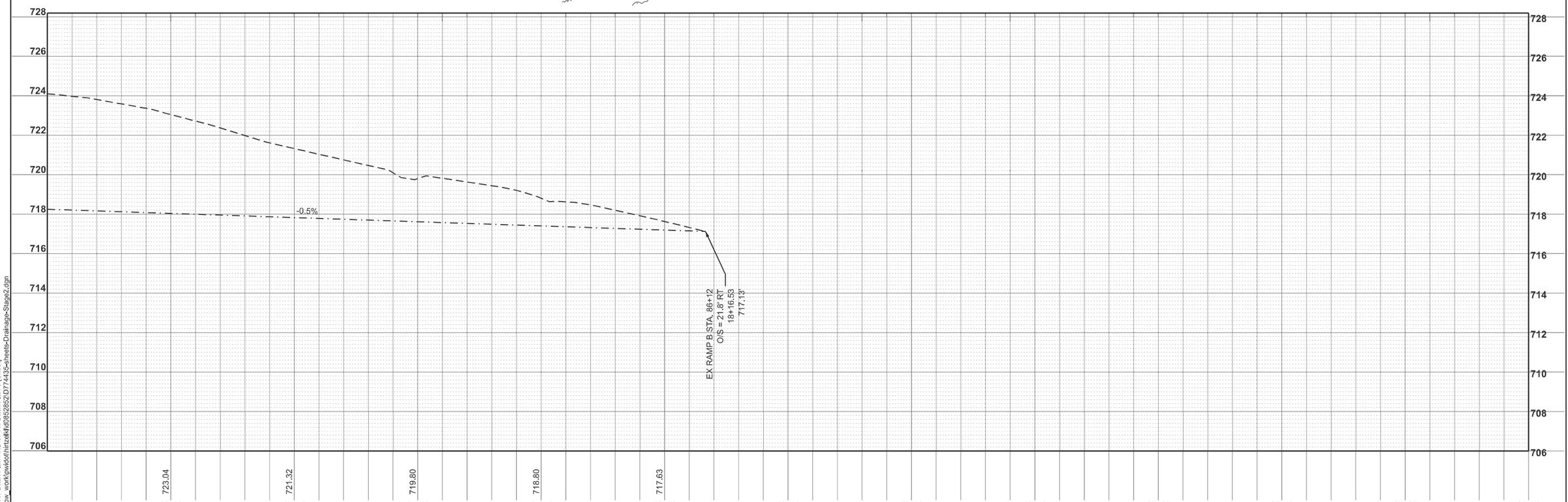
SCALE: 1"=20' | SHEET 5 OF 14 SHEETS | STA. 9+50.00 TO STA. 15+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	439

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT





MODEL: NB 57 RT Ditch Plan - NB 57 RT Ditch Plan-3 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel\d0852852\D774435-sheets-Drainage-Stage2.dgn

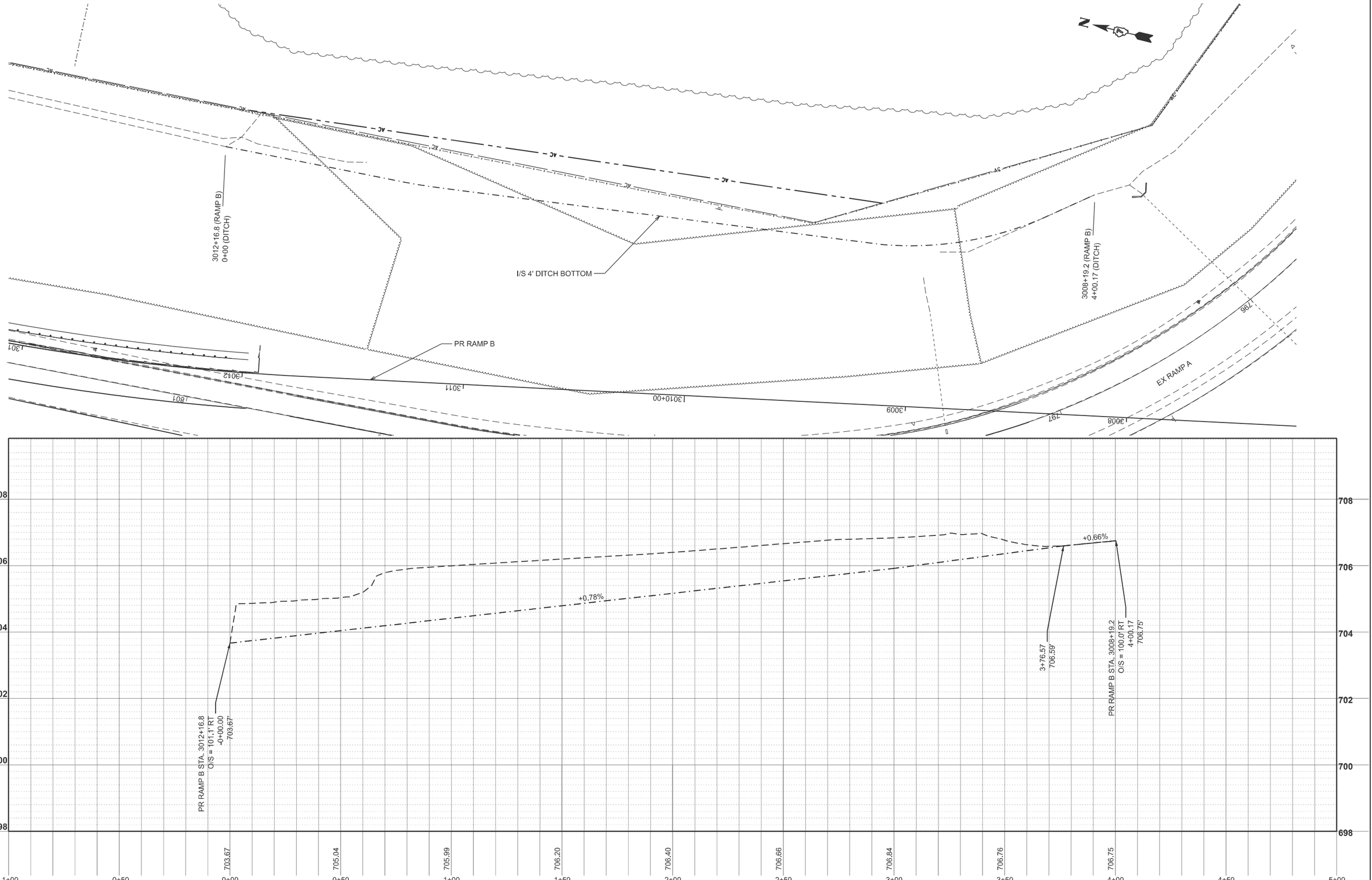
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: NB I-57 & PR RAMP C

SCALE: 1"=20' | SHEET 6 OF 14 SHEETS | STA. 15+50.00 TO STA. 21+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	440
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: RampB_2B_Ditch - NB 57-RampB RT Ditch [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzdkld\d852852\D774435-sheets-Drainage-Stage2.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

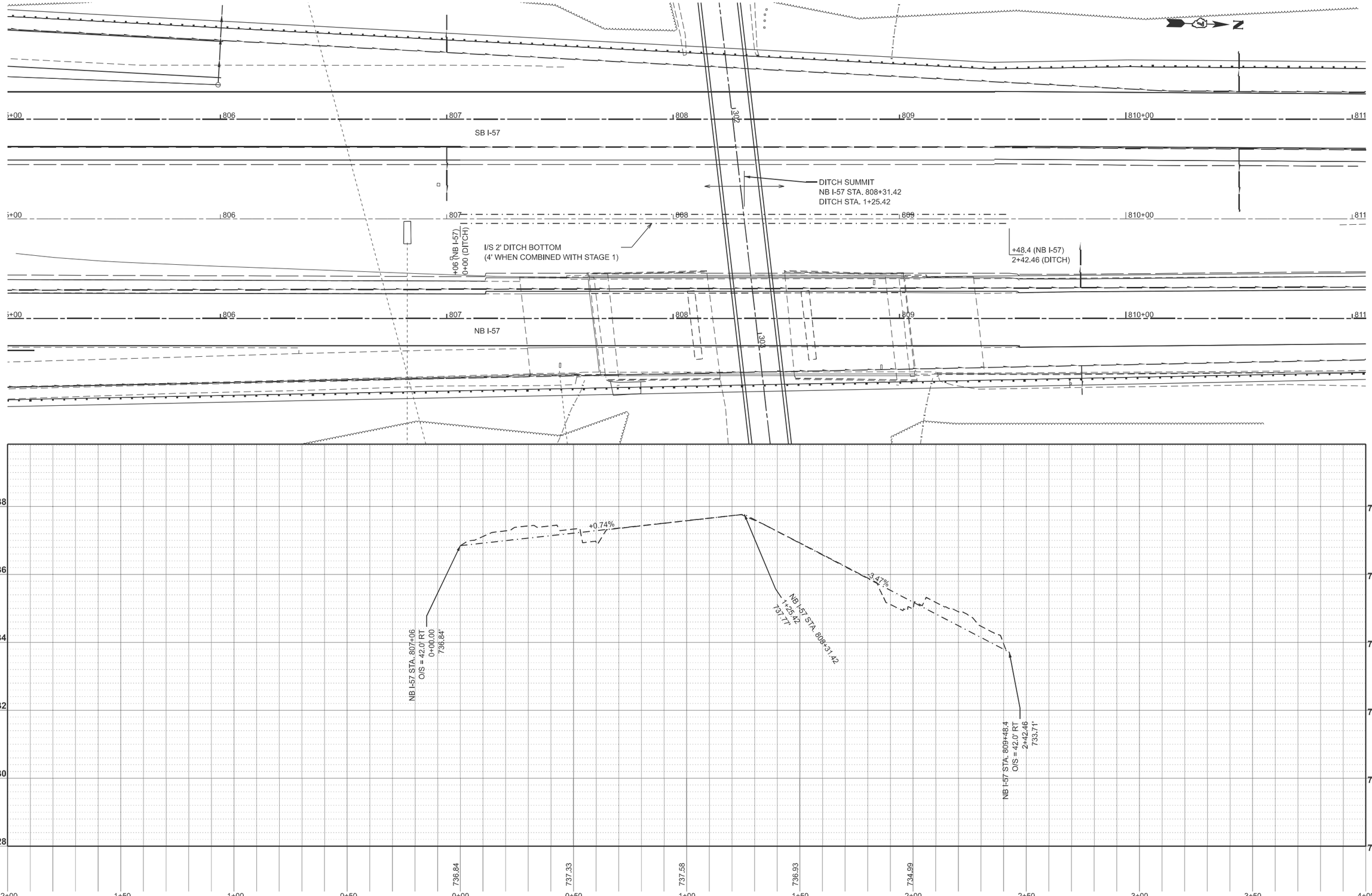
DRAINAGE PLAN & PROFILE
STAGE 2: NB I-57 & PR RAMP B

SCALE: 1"=20' | SHEET 7 OF 14 SHEETS | STA. -1+00.00 TO STA. 5+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	441

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: Box_MedianDitch_OS - Plan 1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D77435-sheets-Drainage-Stage2.dgn

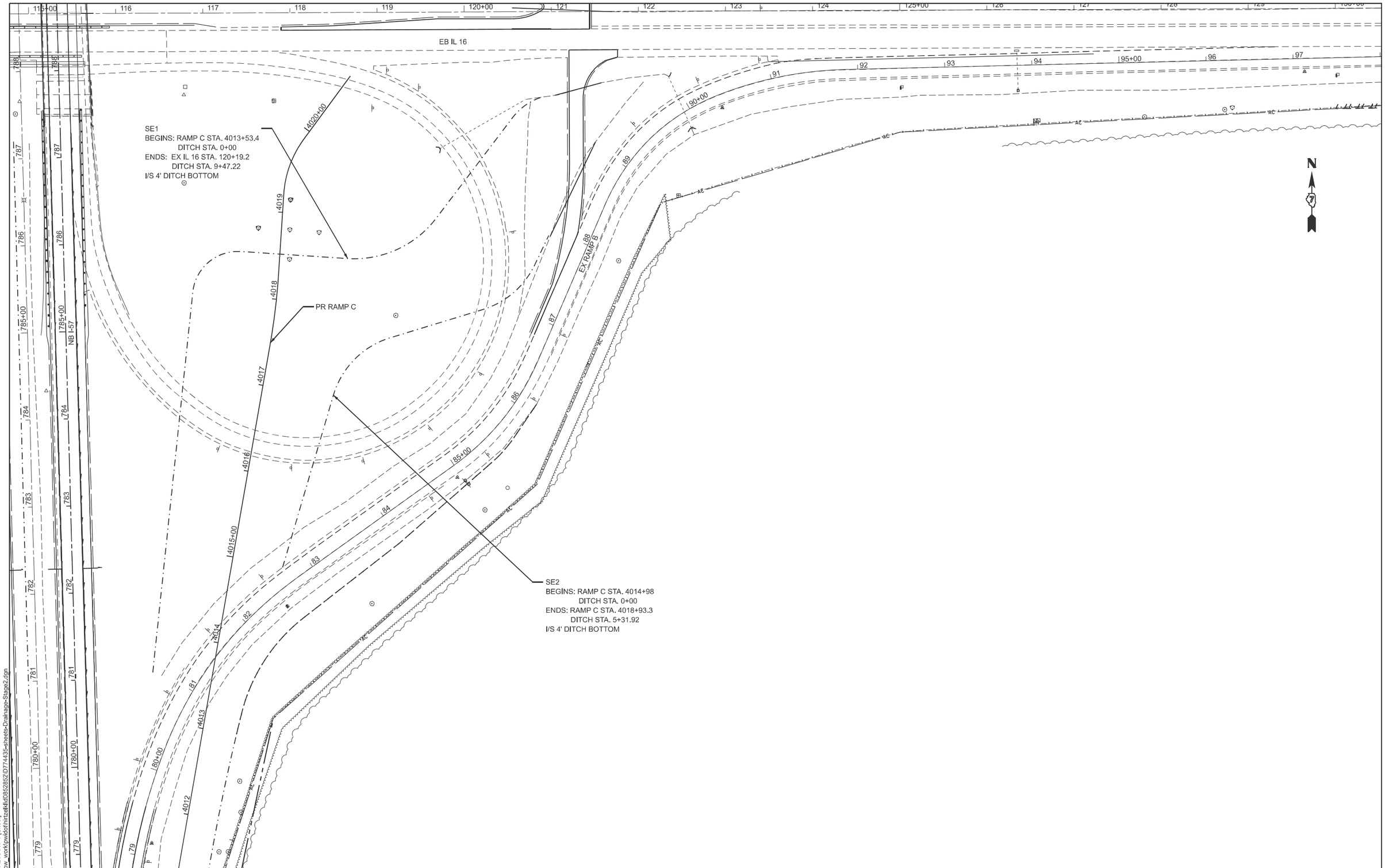
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 5/31/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: NB I-57

SCALE: 1"=20' | SHEET 8 OF 14 SHEETS | STA. -2+00.00 TO STA. 4+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	442
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: SE QUADRANT-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Stage2.dgn

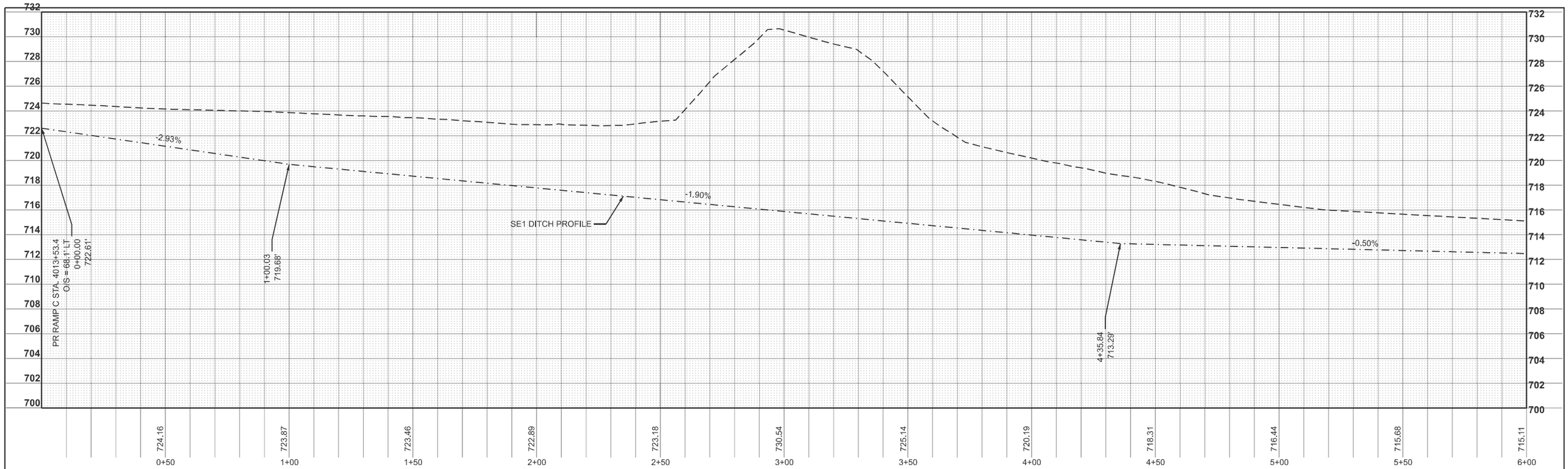
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

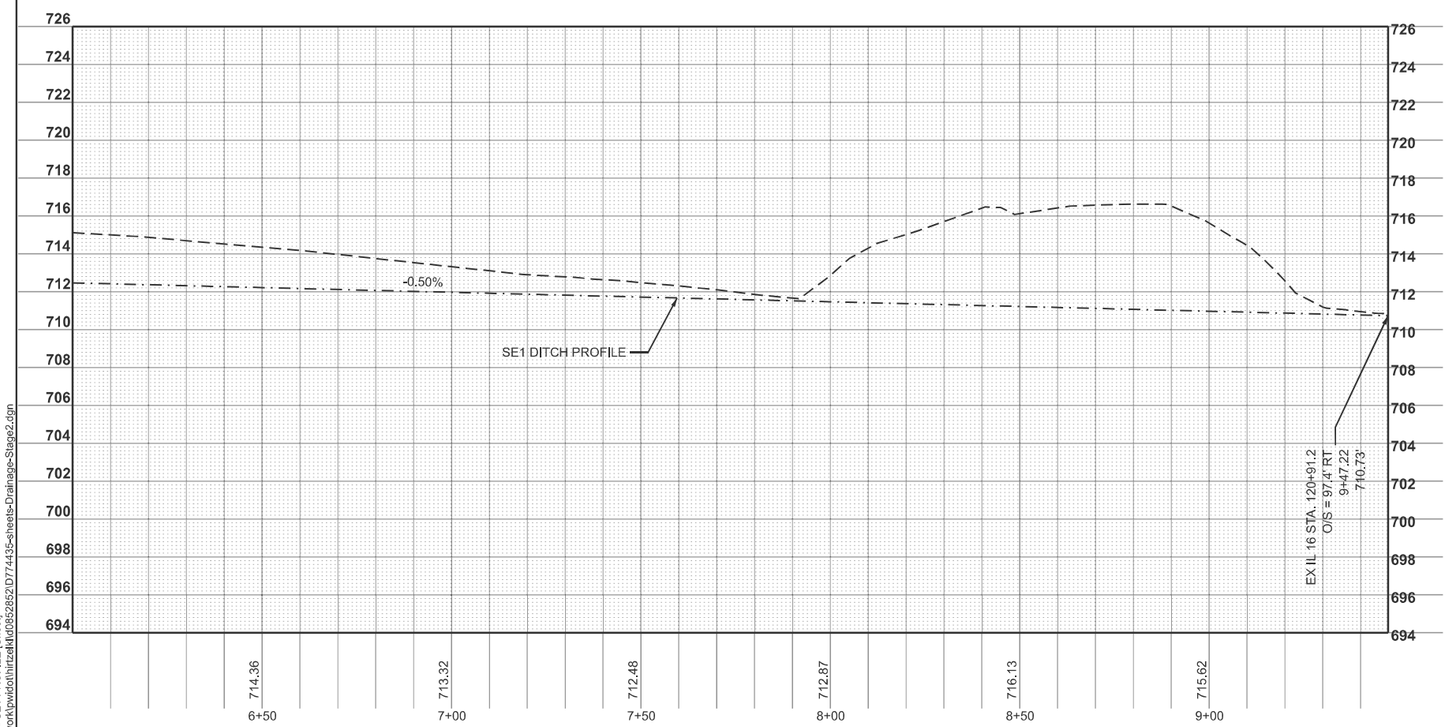
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: SE INTERCHANGE QUADRANT

SCALE: | SHEET 9 OF 14 SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	443
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		





MODEL: SE1 Profile - SE1 PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkld\d852852\D774435-sheets-Drainage-Stage2.dgn

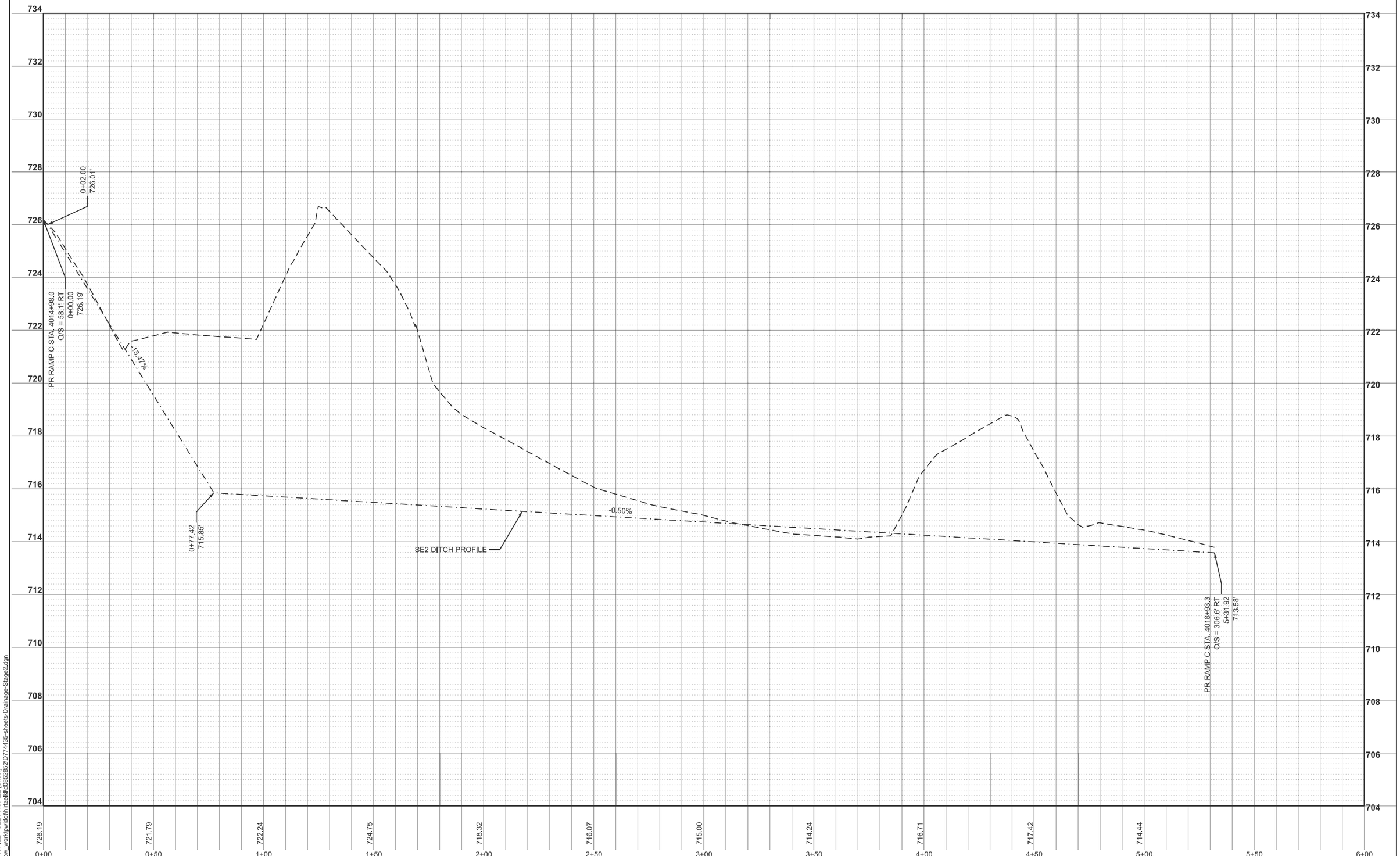
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: SE INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 10 OF 14 SHEETS | STA. 0+00.00 TO STA. 9+47.22

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	444
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: SE2 PROFILE - SE2 PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelk\d0852852\D774435-sheets-Drainage-Stage2.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: SE INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 11 OF 14 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	445
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	

NE1 BEGINS
RAMP B STA. 3008+02.6
DITCH STA. 0+00
I/S 4' DITCH BOTTOM

N

EX RAMP H

PR RAMP B

PIPE CULVERTS, CLASS A, TYPE 2 30", L = 63.0 FT
PRECAST CONCRETE FLARED END SECTIONS 30", 2 EACH
TRENCH BACKFILL, 4.5 CU YD
PR RAMP B STA. 3002+98
OVERALL L = 75.0', SLOPE = -0.50%
LT O/S = 38.5', ELEVATION = 715.23
RT O/S = 36.5' RT, ELEVATION = 714.85

NE1 ENDS
NE2 BEGINS
RAMP B STA. 3002+96
DITCH STA. 5+16.37
I/S 4' DITCH BOTTOM

INLET BOX, STANDARD 542501, 1 EACH
I-57 STA. 790+58, O/S = 2.0' RT
PIPE CULVERTS, CLASS A, TYPE 2 24", L = 128.2 FT
O/S = 10.2' RT TO 135.5' RT
PIPE ELBOW, 24", 2 EACH
CONCRETE ANCHORS, 2 EACH
O/S = 79.5' RT, O/S = 134.6' RT
CAST-IN-PLACE REINFORCED CONCRETE
END SECTIONS 24", 1 EACH
TRENCH BACKFILL, 43.6 CU YD

NE2 ENDS
EX IL 16 STA. 121+02.2
DITCH STA. 5+72.47
I/S 4' DITCH BOTTOM

NB I-57

WB IL 16

3009 3008 3007 3006 3005+00 3004 3003 3002 3001 3000+00

798 797 796 795+00 794 793 792 791 790+00 789

116+00 116 117 118 119 120+00 121 122 123 124 125+00 126 127 128 129 130+00

MODEL: NE QUADRANT-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Stage2.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

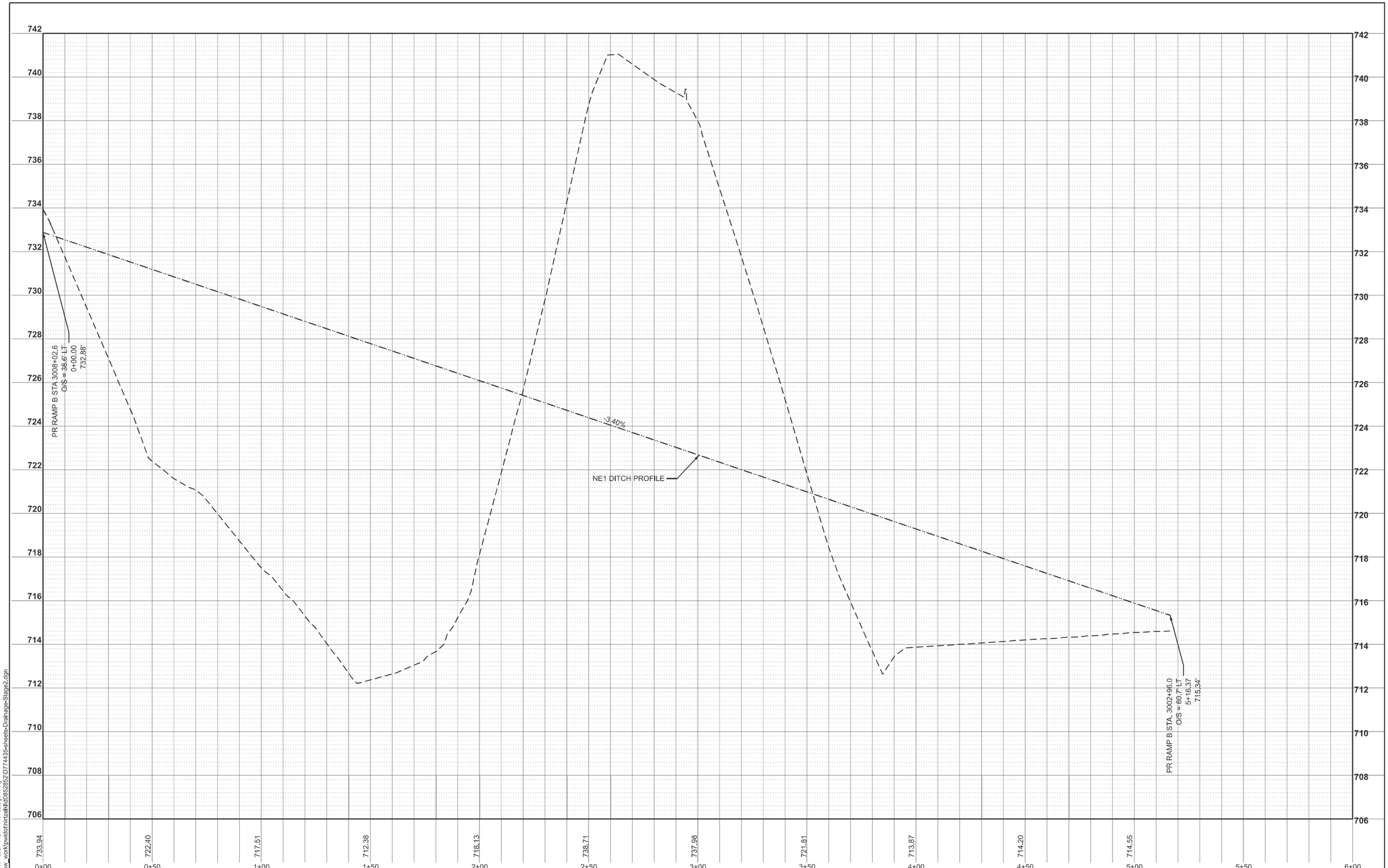
DRAINAGE PLAN & PROFILE
STAGE 2: NE INTERCHANGE QUADRANT

SCALE: | SHEET 12 OF 14 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	446

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: NE1 PROFILE - NE1 PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel4\d0852852\D774435-sheets-Drainage-Stage2.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

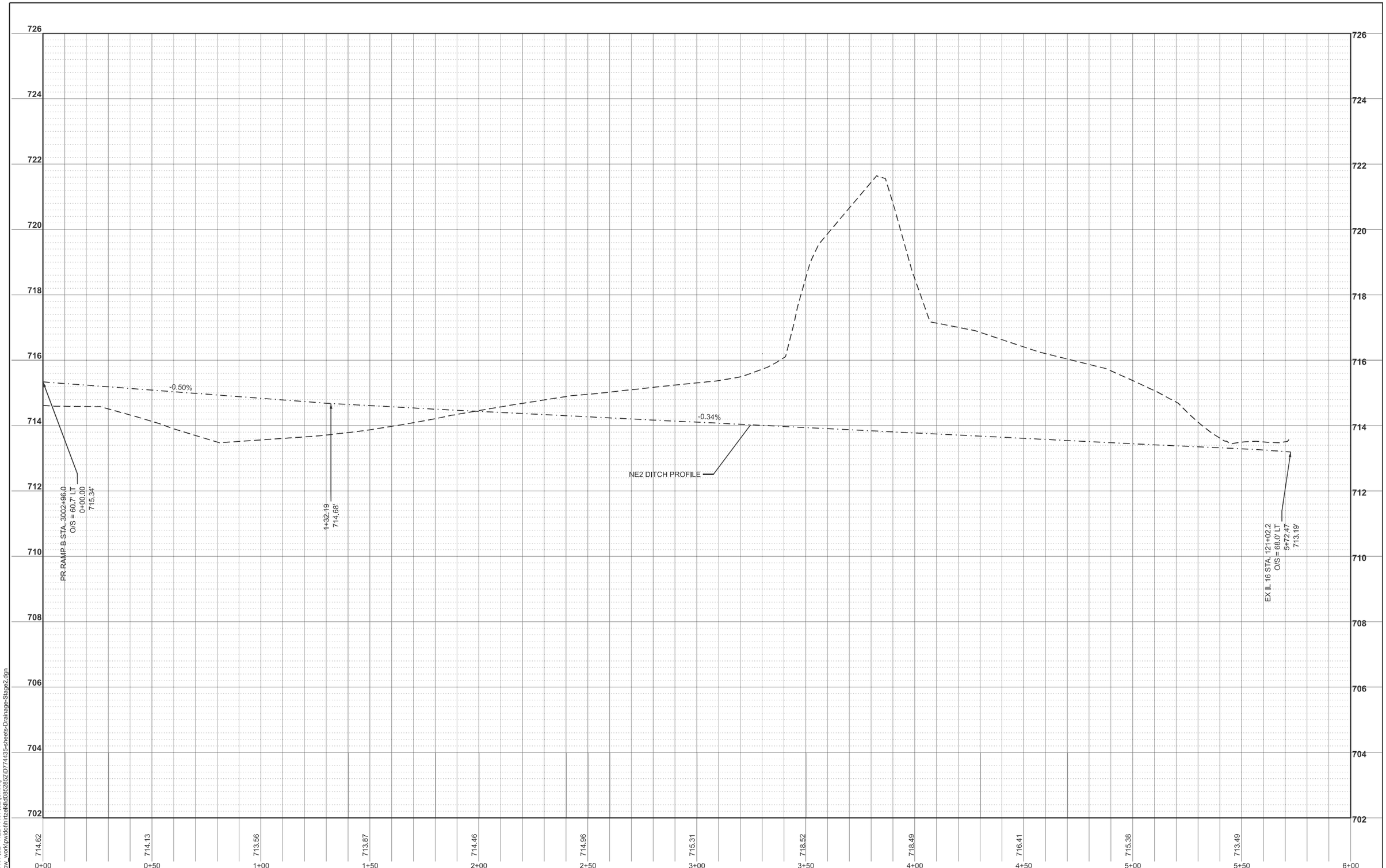
DRAINAGE PLAN & PROFILE
STAGE 2: NE INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 13 OF 14 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	447

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: NE2 PROFILE - NE2 PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D77435-sheets-Drainage-Stage2.dgn

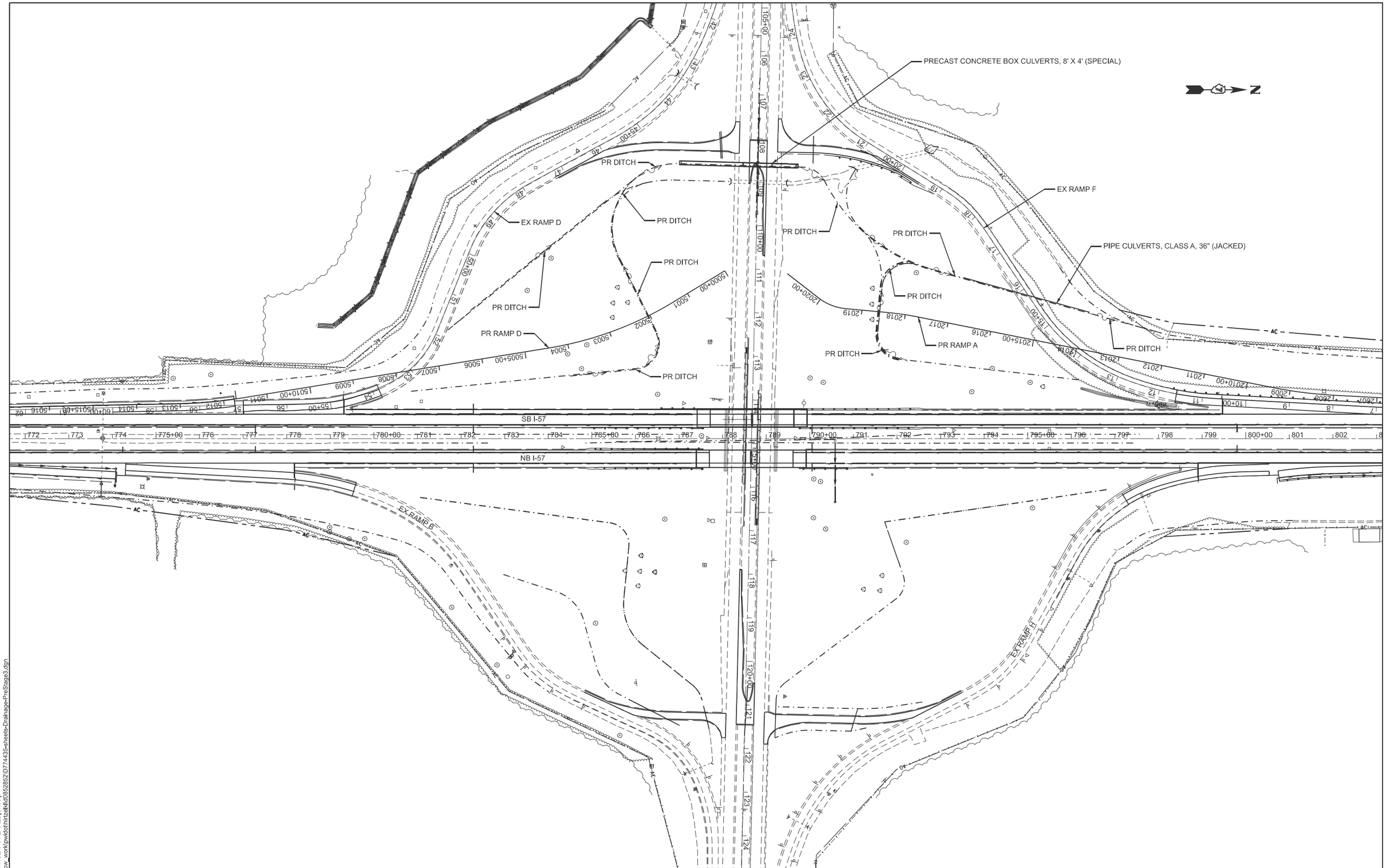
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: NE INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 14 OF 14 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	448
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: PRE-STAGE 3 OVERALL [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklld0852852\D774435~sheets~Drainage~PreStage3.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

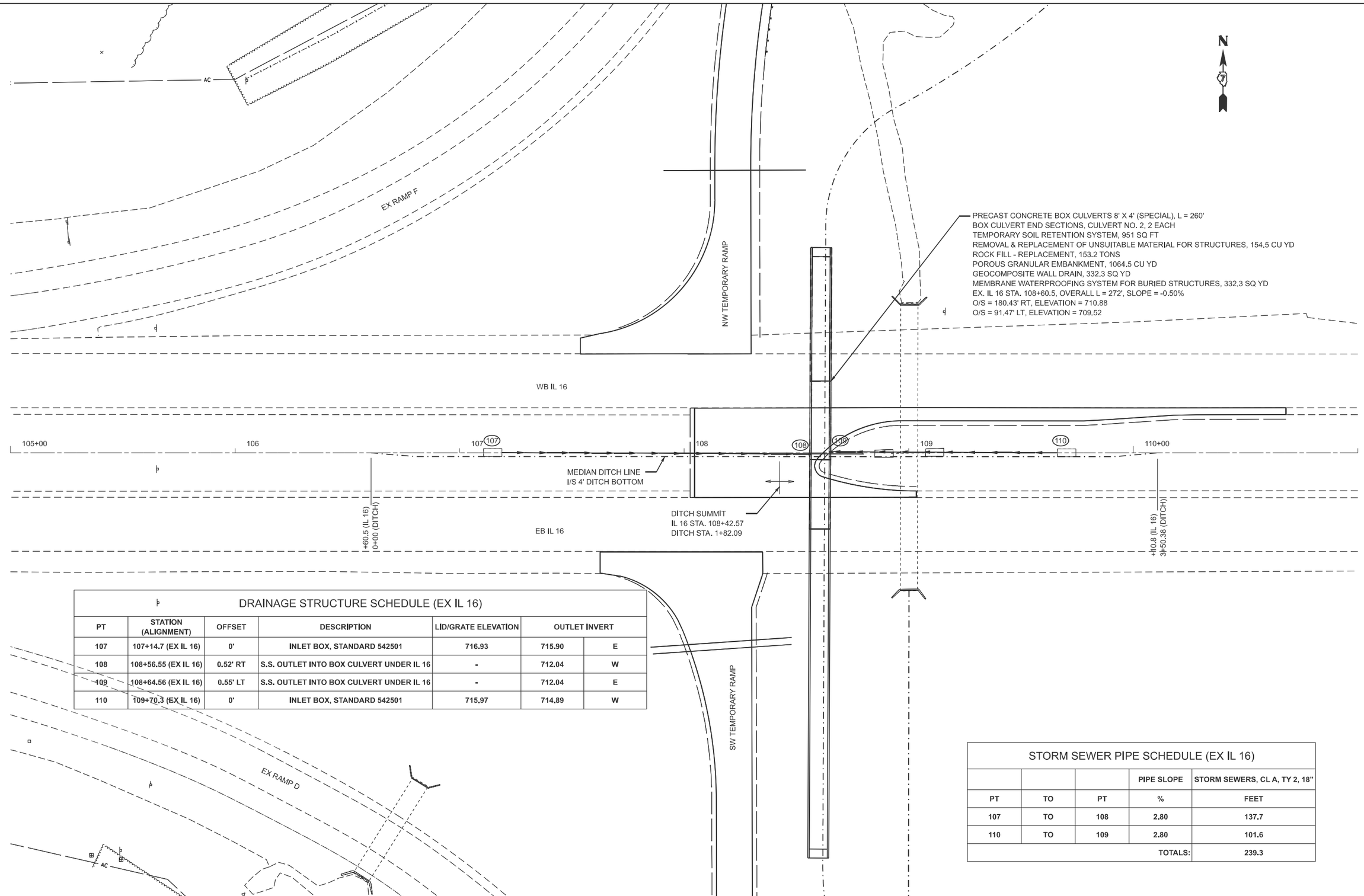
DRAINAGE PLAN & PROFILE
PRE-STAGE 3: OVERALL VIEW

SCALE: | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	449

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



DRAINAGE STRUCTURE SCHEDULE (EX IL 16)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	OUTLET INVERT	
107	107+14.7 (EX IL 16)	0'	INLET BOX, STANDARD 542501	716.93	715.90	E
108	108+56.55 (EX IL 16)	0.52' RT	S.S. OUTLET INTO BOX CULVERT UNDER IL 16	-	712.04	W
109	108+64.56 (EX IL 16)	0.55' LT	S.S. OUTLET INTO BOX CULVERT UNDER IL 16	-	712.04	E
110	109+70.3 (EX IL 16)	0'	INLET BOX, STANDARD 542501	715.97	714.89	W

STORM SEWER PIPE SCHEDULE (EX IL 16)

			PIPE SLOPE	STORM SEWERS, CL A, TY 2, 18"
PT	TO	PT	%	FEET
107	TO	108	2.80	137.7
110	TO	109	2.80	101.6
			TOTALS:	239.3

MODEL: IL 16 Median Plan - IL 16 Median Plan [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheets-Drainage-PreStage3.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/28/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE 3: IL 16

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. 105+00.00 TO STA. 111+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	450

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT

MODEL: GeomScratch2 - IL 16 Median Ditch Profile [Sheet]
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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

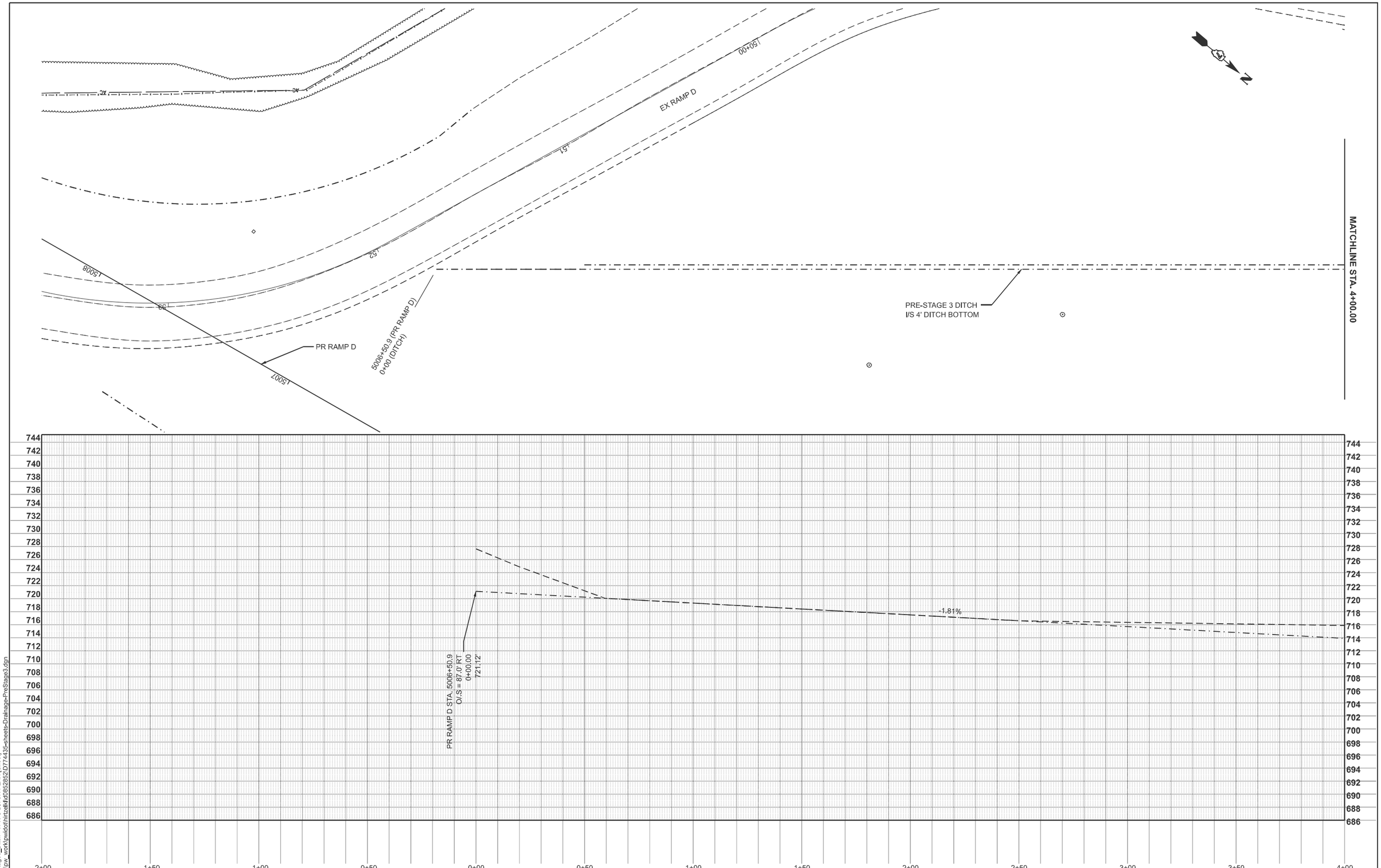
DRAINAGE PLAN & PROFILE
PRE-STAGE 3: IL 16

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	451

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



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PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

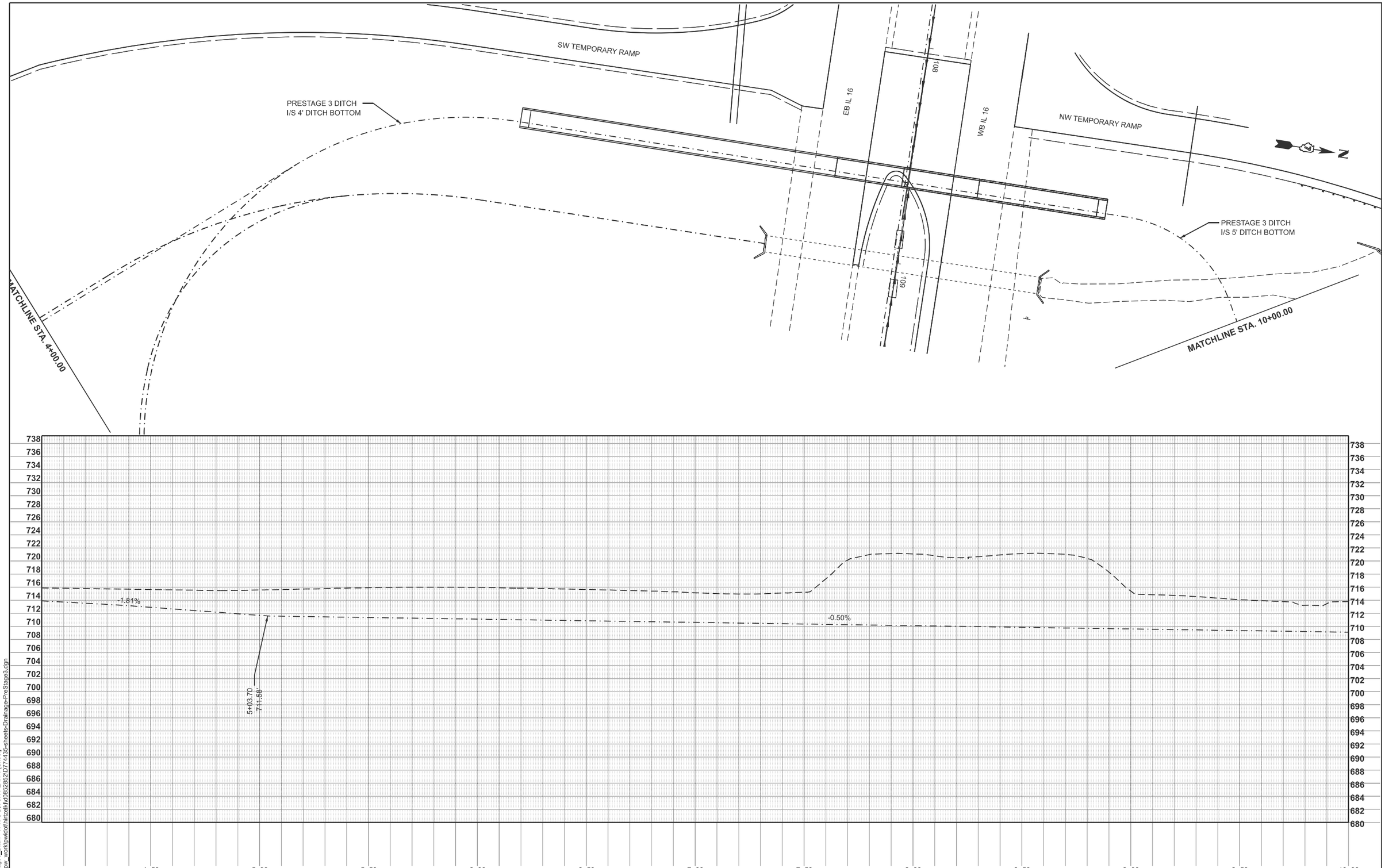
DRAINAGE PLAN & PROFILE
PRE-STAGE 3: NORTH-SOUTH DITCH

SCALE: 1"=20' | SHEET 4 OF 7 SHEETS | STA. -2+00.00 TO STA. 4+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	452

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



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PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

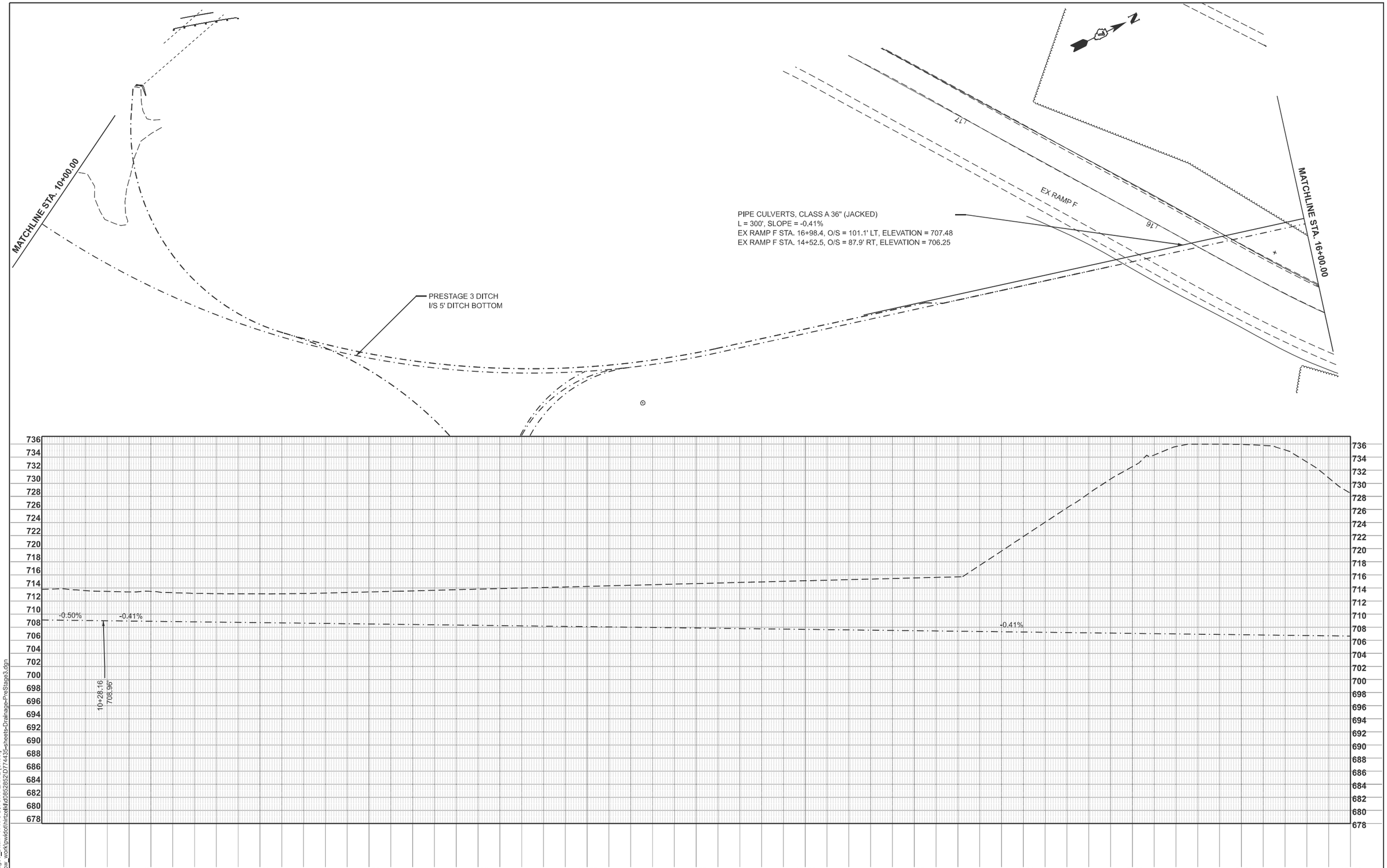
DRAINAGE PLAN & PROFILE
PRE-STAGE 3: NORTH-SOUTH DITCH

SCALE: 1"=20' | SHEET 5 OF 7 SHEETS | STA. 4+00.00 TO STA. 10+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	453

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: Pre-Stage3_Ditch - W N-S DITCH PLAN-2 [Sheet]
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	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

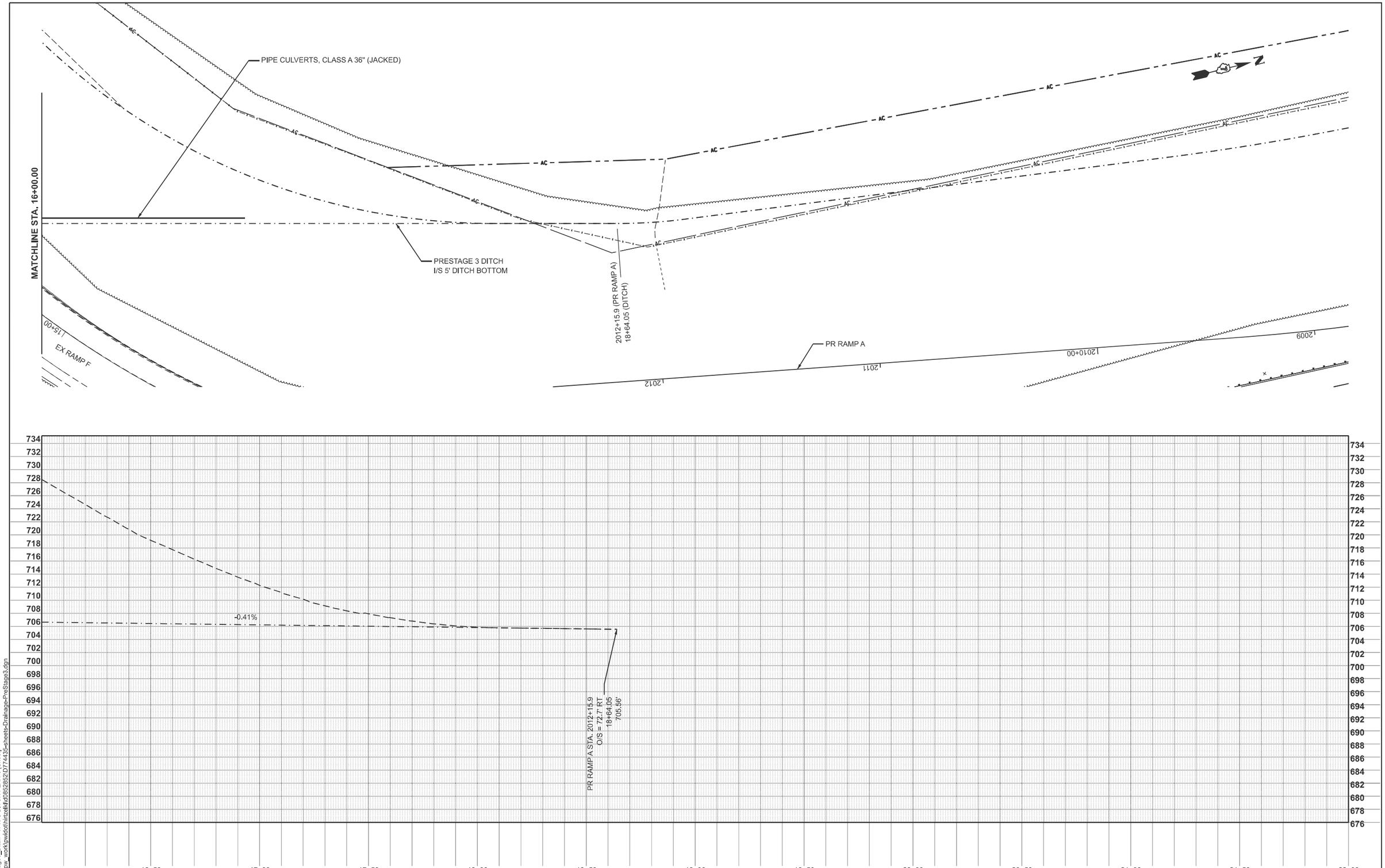
DRAINAGE PLAN & PROFILE
PRE-STAGE 3: NORTH-SOUTH DITCH

SCALE: 1"=20' | SHEET 6 OF 7 SHEETS | STA. 10+00.00 TO STA. 16+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	454

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: Pre-Stage3_Ditch - W N-S DITCH PLAN-3 [Sheet]
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	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

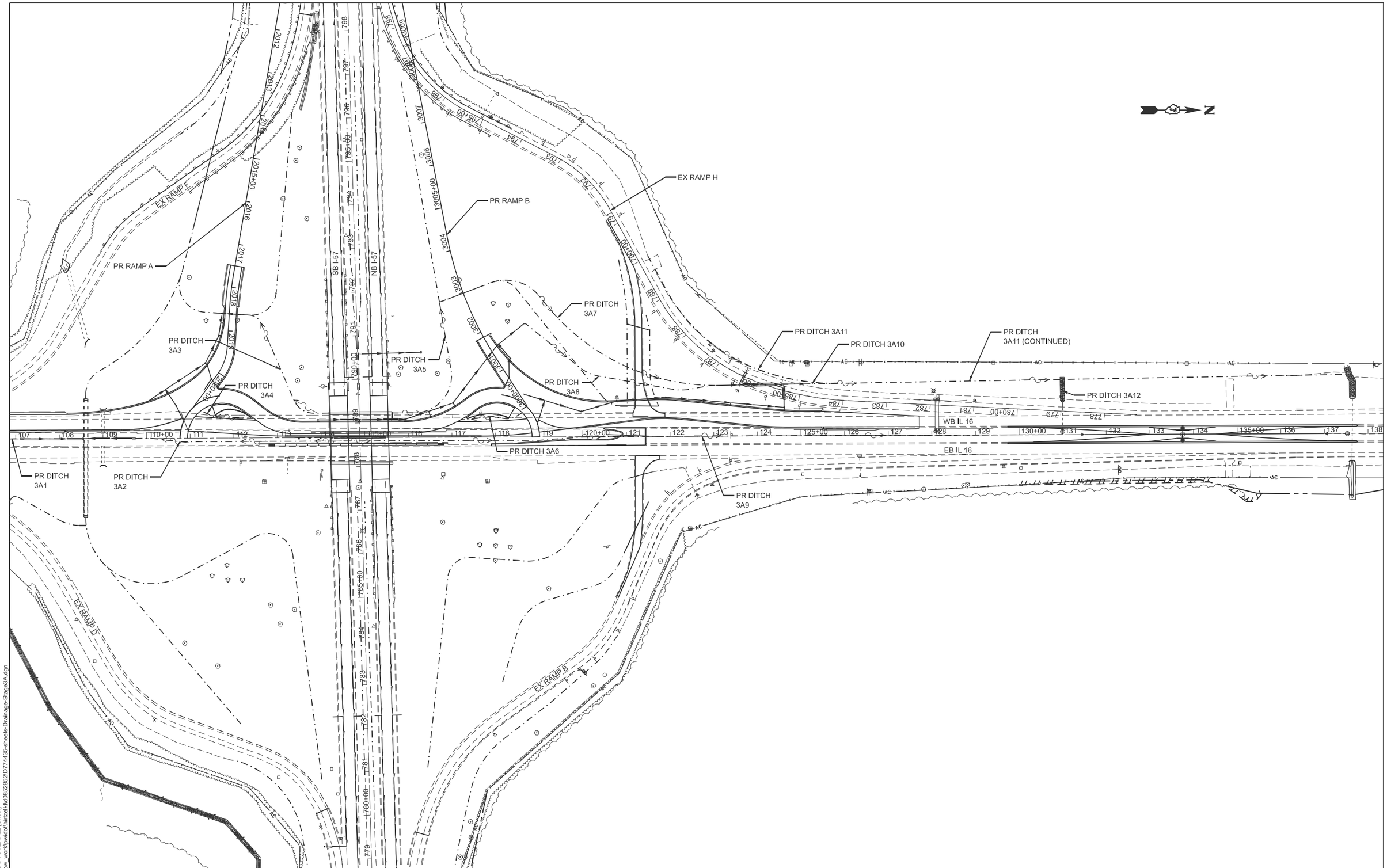
DRAINAGE PLAN & PROFILE
PRE-STAGE 3: NORTH-SOUTH DITCH

SCALE: 1"=20' | SHEET 7 OF 7 SHEETS | STA. 16+00.00 TO STA. 22+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	455

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: STAGE 3A OVERALL [Sheet]
FILE NAME: c:\pw_work\pwidot\hirzelkld\d0852852\D774435-sheets-Drainage-Stage3A.dgn

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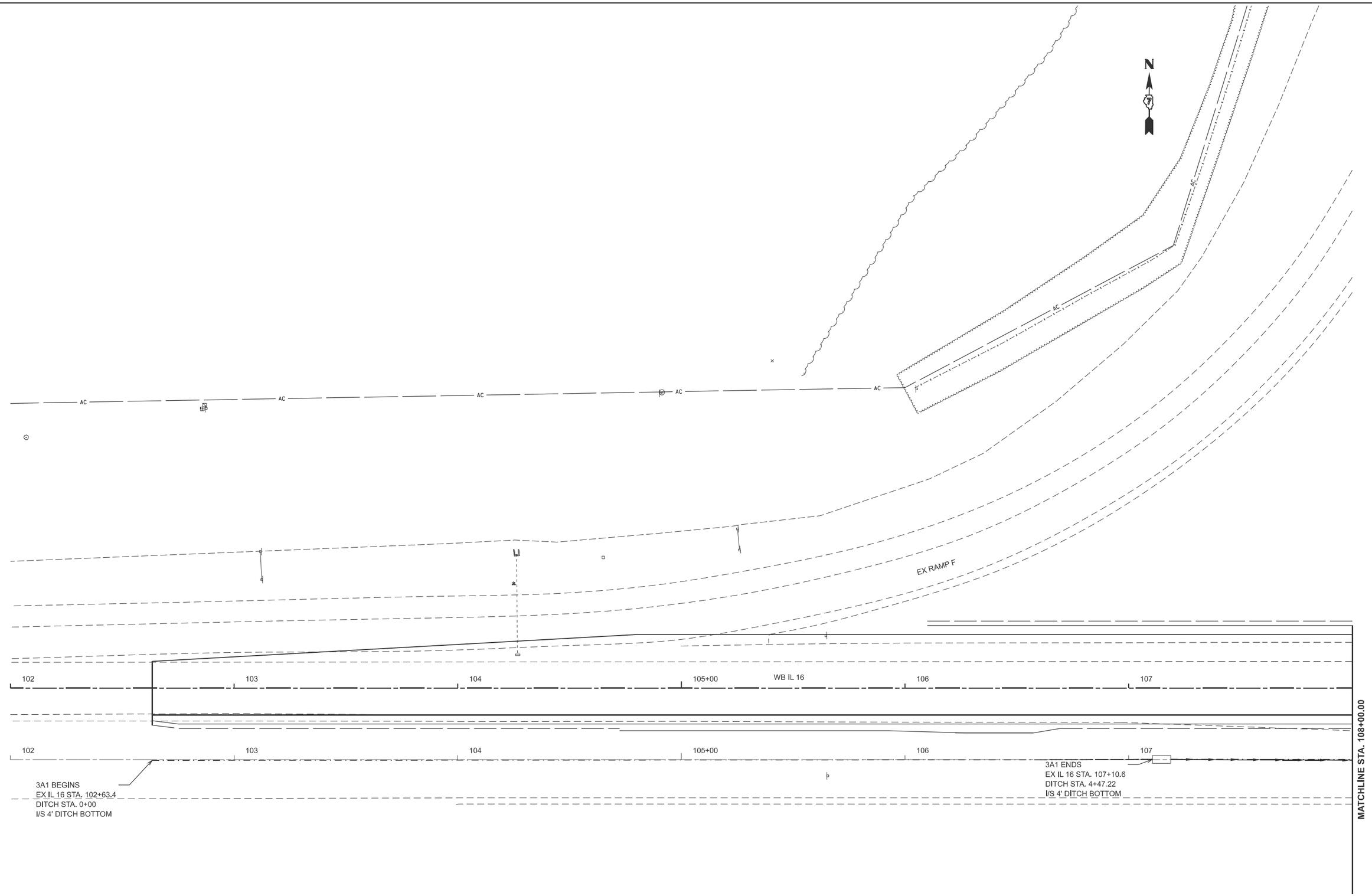
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: OVERALL VIEW

SCALE: | SHEET 1 OF 24 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	456
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



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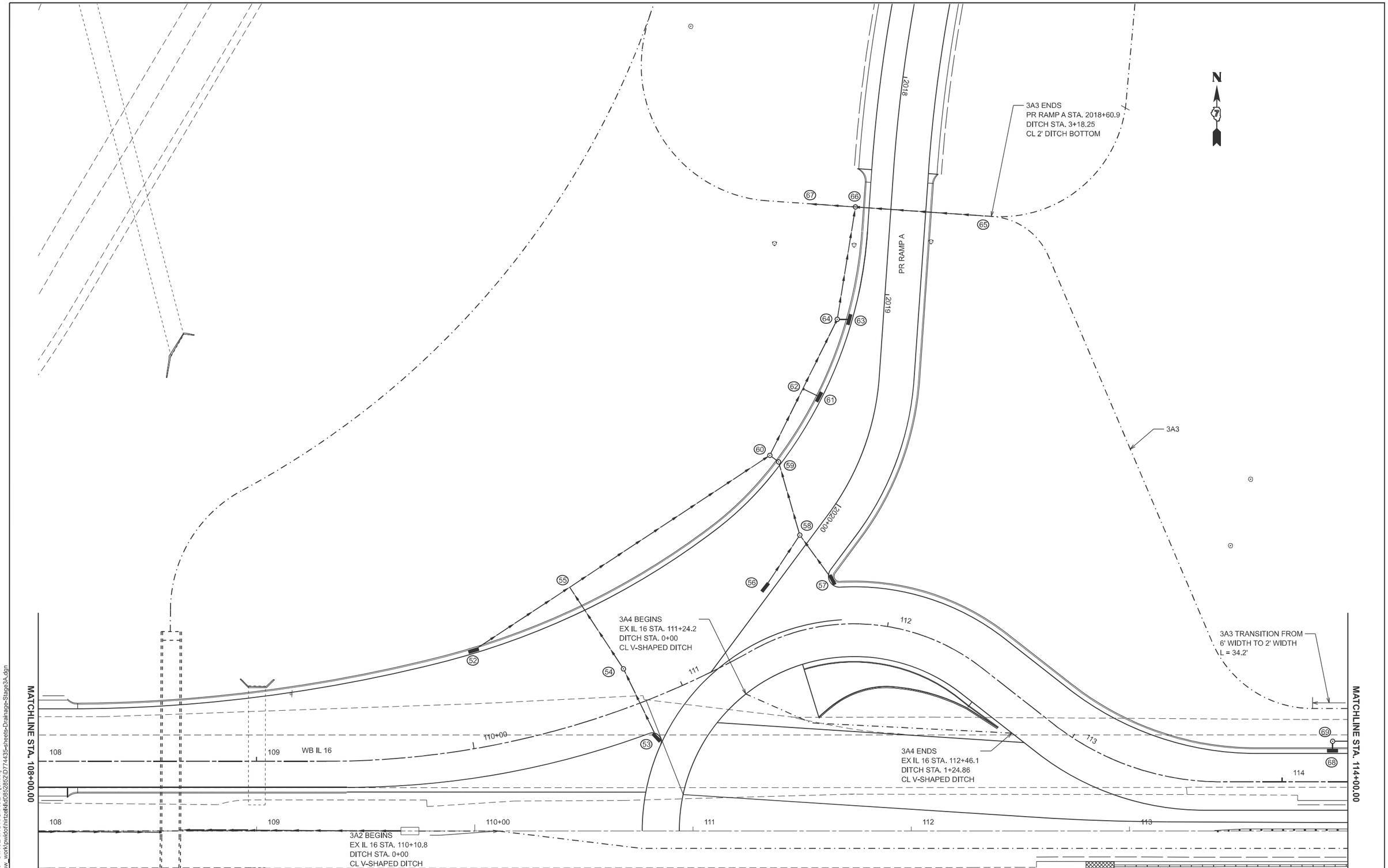
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: EX IL 16

SCALE: 1"=20' | SHEET 2 OF 24 SHEETS | STA. 102+00.00 TO STA. 108+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	457
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



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PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: EX IL 16

SCALE: 1"=20' | SHEET 3 OF 24 SHEETS | STA. 108+00.00 TO STA. 114+00.00

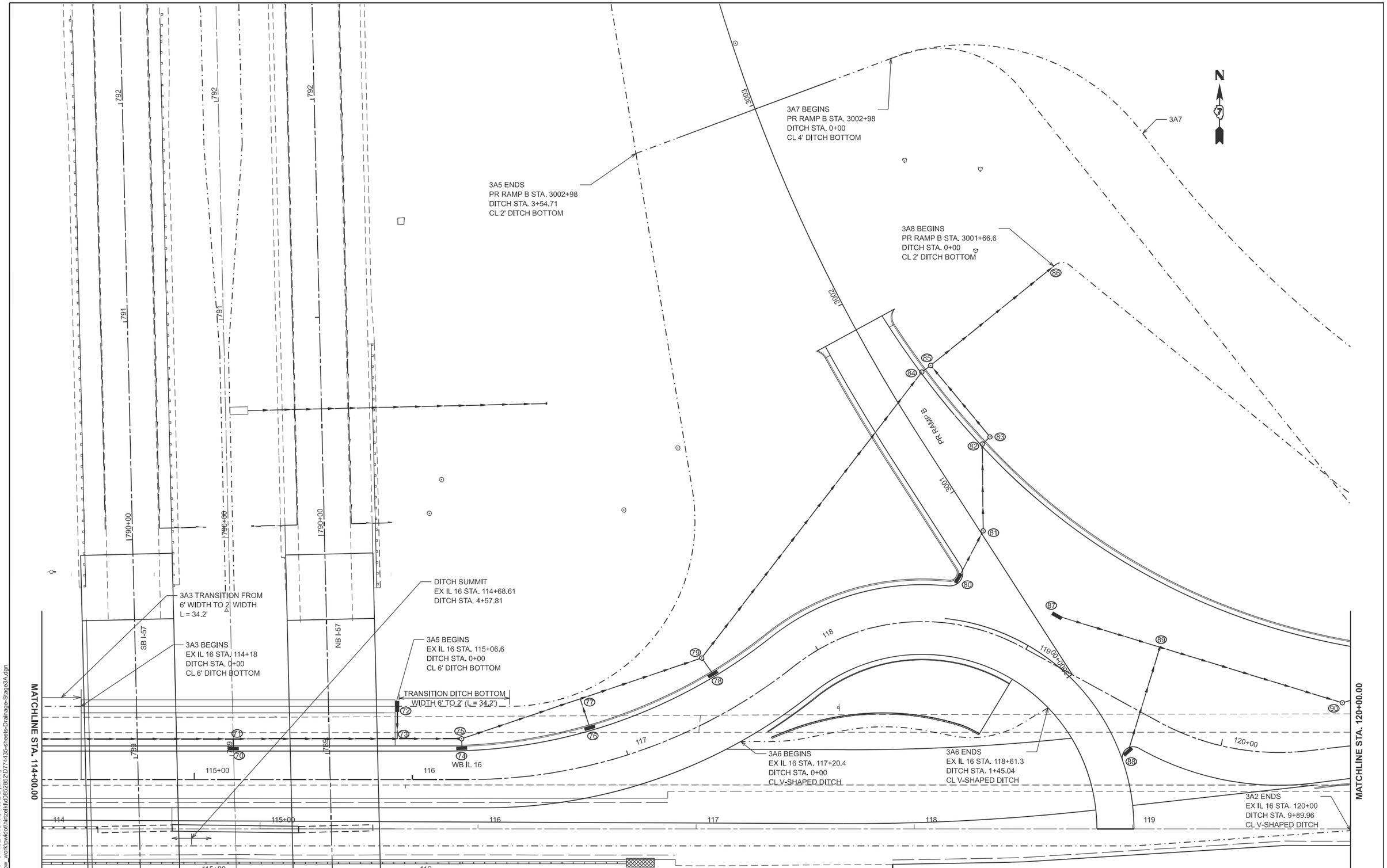
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	458
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		

DRAINAGE STRUCTURE SCHEDULE (WB IL 16)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	INLET INVERT		INLET INVERT		OUTLET INVERT	
52	110+08.38 (WB IL 16)	44.32' LT	INLET TY A, TY 3 F&G	719.83	-	-	-	-	716.83	NE
53	110+80.35 (WB IL 16)	17.52' RT	INLET TY A, TY 4 F&G	720.73	-	-	-	-	717.73	NW
54	110+77.45 (WB IL 16)	17.33' LT	INLET TY B, TY 4 F&G	720.29	716.92	SE	-	-	716.82	NW
55	110+65.96 (WB IL 16)	60.92' LT	RCP TEE 15" P 15" R	-	-	-	-	-	716.10	NE
56	111+51.36 (WB IL 16)	23.96' LT	INLET TY A, TY 4 F&G	719.88	-	-	-	-	716.38	NE
57	111+76.40 (WB IL 16)	20.52' LT	INLET TY A, TY 4 F&G	719.74	-	-	-	-	716.74	NW
58	2020+21.38 (RAMP A)	4.78' RT	MH TY A 5', TY 4 F&G	719.51	716.00	SW	715.21	SE	715.11	N
59	2019+98.20 (RAMP A)	32.43' RT	INLET TY B, TY 3 F&G	718.64	714.80	S	-	-	714.70	W
60	2019+97.69 (RAMP A)	37.42' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.86	714.67	E	714.67	SW	714.57	NE
61	2019+51.99 (RAMP A)	26.21' RT	INLET TY A, TY 3 F&G	718.44	-	-	-	-	714.44	W
62	2019+48.86 (RAMP A)	34.17' RT	RCP TEE 15" P 15" R	-	-	-	-	-	714.23	NE
63	2019+12.51 (RAMP A)	15.52' RT	INLET TY A, TY 3 F&G	718.64	-	-	-	-	715.14	W
64	2019+12.88 (RAMP A)	21.01' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.77	715.06	W	713.91	SW	713.81	N
65	2018+60.95 (RAMP A)	42.58' LT	PRECAST CONC. FLARED END SECTION, 30"	-	713.86	E	-	-	-	-
66	2018+60.95 (RAMP A)	16.26' RT	MH TY A 5', TY 1 FRAME, CLOSED LID	718.78	713.33	S	713.30	E	713.20	W
67	2018+60.95 (RAMP A)	36.58' RT	PRECAST CONC. FLARED END SECTION, 30"	-	-	-	-	-	713.03	W
68	114+23.20 (WB IL 16)	14.30' LT	INLET TY A, TY 3 F&G	718.69	-	-	-	-	716.19	N
69	114+23.20 (WB IL 16)	18.58' LT	MH TY A 4', TY 1 FRAME, CLOSED LID	719.29	716.17	S	-	-	716.07	E

STORM SEWER PIPE SCHEDULE (WB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 12"	STORM SEWERS, CL A, TY 2, 15"	STORM SEWERS, CL A, TY 2, 30"	TRENCH BACKFILL
			%	FEET	FEET	FEET	CU YD
52	TO	55	1.42	-	48.6	-	2.0
53	TO	54	2.49	32.5	-	-	4.0
54	TO	55	1.66	-	40.7	-	5.1
55	TO	60	1.42	-	104.9	-	0.0
56	TO	58	1.50	-	25.1	-	3.1
57	TO	58	6.99	21.9	-	-	3.9
58	TO	59	1.00	-	30.9	-	6.6
59	TO	60	2.00	-	1.5	-	0.3
60	TO	62	1.01	-	29.1	-	0.0
61	TO	62	2.88	-	4.7	-	0.5
62	TO	64	1.01	-	33.5	-	0.0
63	TO	64	2.80	-	2.5	-	0.4
64	TO	66	1.01	-	47.6	-	0.0
65	TO	66	0.95	-	-	58.8	17.4
66	TO	67	0.84	-	-	20.3	0.0
68	TO	69	1.54	-	1.3	-	0.1



MODEL: Ex IL 16 - STAGE 3A DRAINAGE-2 [Sheet]
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PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: EX IL 16

SCALE: 1"=20' | SHEET 5 OF 24 SHEETS | STA. 114+00.00 TO STA. 120+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	460

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT

DRAINAGE STRUCTURE SCHEDULE (WB IL 16)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	INLET INVERT		INLET INVERT		OUTLET INVERT	
70	115+17.99 (WB IL 16)	14.30' LT	INLET TY A, TY 3 F&G	718.21	-	-	-	-	715.47	N
71	115+17.99 (WB IL 16)	18.64' LT	RCP TEE 15" P 15" R	-	-	-	-	-	715.38	E
72	115+93.09 (WB IL 16)	33.58' LT	INLET TY A, TY 8 F&G	718.01	-	-	-	-	715.09	S
73	115+88.06 (WB IL 16)	18.69' LT	RCP TEE 15" P 15" R	-	-	-	-	-	714.85	E
74	116+22.74 (WB IL 16)	14.43' LT	INLET TY A, TY 3 F&G	717.69	-	-	-	-	714.65	N
75	116+22.60 (WB IL 16)	18.71' LT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.29	714.61	S	714.61	W	714.51	NE
76	116+86.20 (WB IL 16)	16.73' LT	INLET TY A, TY 3 F&G	717.44	-	-	-	-	714.44	NW
77	116+85.03 (WB IL 16)	30.67' LT	RCP TEE 15" P 15" R	-	-	-	-	-	714.10	NE
78	117+52.76 (WB IL 16)	18.07' LT	INLET TY A, TY 3 F&G	717.61	-	-	-	-	713.85	NW
79	117+51.94 (WB IL 16)	27.02' LT	MH TY A 4', TY 1 FRAME, CLOSED LID	717.91	713.67	SW	713.67	SE	713.57	NE
80	118+63.79 (WB IL 16)	21.09' LT	INLET TY A, TY 4 F&G	718.00	-	-	-	-	715.00	NE
81	3000+77.46 (RAMP B)	1.30' RT	INLET TY B, TY 4 F&G	717.72	713.68	SW	-	-	713.58	NW
82	3001+11.15 (RAMP B)	22.51' RT	INLET TY B, TY 3 F&G	716.97	713.03	SW	-	-	712.93	NE
83	3001+12.01 (RAMP B)	27.25' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	717.28	712.90	SW	-	-	712.80	NW
84	3001+54.48 (RAMP B)	16.62' RT	INLET TY B, TY 3 F&G	716.88	712.35	SW	-	-	712.25	NE
85	3001+55.03 (RAMP B)	21.67' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	717.19	712.22	SE	712.22	SW	712.12	NE
86	3001+66.56 (RAMP B)	93.40' RT	PRECAST CONC. FLARED END SECTION, 18"	-	-	-	-	-	711.62	NE
87	119+05.15 (WB IL 16)	20.30' LT	INLET TY A, TY 4 F&G	718.30	-	-	-	-	715.10	E
88	119+63.57 (WB IL 16)	18.69' RT	INLET TY A, TY 4 F&G	718.97	-	-	-	-	715.77	N
89	119+53.42 (WB IL 16)	30.30' LT	RCP TEE 15" P 15" R	-	-	-	-	-	714.45	E
90	120+58.37 (WB IL 16)	20.01' LT	INLET TY B, TY 4 F&G	718.28	713.29	W	-	-	713.19	NE

STORM SEWER PIPE SCHEDULE (WB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 12"	STORM SEWERS, CL A, TY 2, 15"	STORM SEWERS, CL A, TY 2, 18"	TRENCH BACKFILL
			%	FEET	FEET	FEET	CU YD
69	TO	71	0.75	-	89.8	-	11.3
70	TO	71	2.73	-	0.7	-	0.1
71	TO	73	0.75	-	68.5	-	10.8
72	TO	73	1.97	-	13.9	-	2.5
73	TO	75	0.75	-	25.2	-	4.4
74	TO	75	3.08	-	1.3	-	0.2
75	TO	77	0.75	-	52.3	-	0.0
77	TO	79	0.75	-	53.8	-	0.0
76	TO	77	2.62	-	13.0	-	0.0
78	TO	79	3.00	-	6.0	-	0.0
79	TO	84	0.75	-	162.0	-	10.0
80	TO	81	6.00	22.0	-	-	3.4
81	TO	82	1.49	36.8	-	-	7.7
82	TO	83	2.31	-	1.3	-	0.3
83	TO	85	1.50	-	38.6	-	0.0
84	TO	85	1.88	-	1.6	-	0.5
85	TO	86	0.71	-	-	70.5	0.0
87	TO	89	1.35	-	45.3	-	7.0
88	TO	89	2.69	-	46.4	-	6.6
89	TO	90	1.35	-	82.9	-	21.4

3A11 (SEE EX RAMP H DRAINAGE SHEET)
O/S 4' DITCH BOTTOM

N

EX RAMP H

TRENCH BACKFILL, 32.9 CU YD

3A10 BEGINS
EX RAMP H STA. 784+96.9
DITCH STA. 0+00
CL 4' DITCH BOTTOM

3A7 ENDS
EX IL 16 STA. 123+60.1
DITCH STA. 5+95.24
CL 4' DITCH BOTTOM

3A8 ENDS
EX IL 16 STA. 122+85.1
DITCH STA. 4+65.98
CL 2' DITCH BOTTOM

TRENCH BACKFILL, 5.2 CU YD

3A10 ENDS
EX RAMP H STA. 784+14.1
DITCH STA. 0+79.94
CL 4' DITCH BOTTOM

WB IL 16

MATCHLINE STA. 120+00.00

MATCHLINE STA. 126+00.00

WIDTH TRANSITIONS FROM 2'
TO 4' (STA. 120+00 TO STA. 120+89)

3A9 BEGINS
CL 2' DITCH BOTTOM

EX IL 16 STA. 120+00
DITCH STA. 0+00

MODEL: EX IL 16 - STAGE 3A DRAINAGE-3 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirzel4\d0852852\D774435-sheets-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: EX IL 16

SCALE: 1"=20' | SHEET 7 OF 24 SHEETS | STA. 120+00.00 TO STA. 126+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	462

CONTRACT NO. 74435

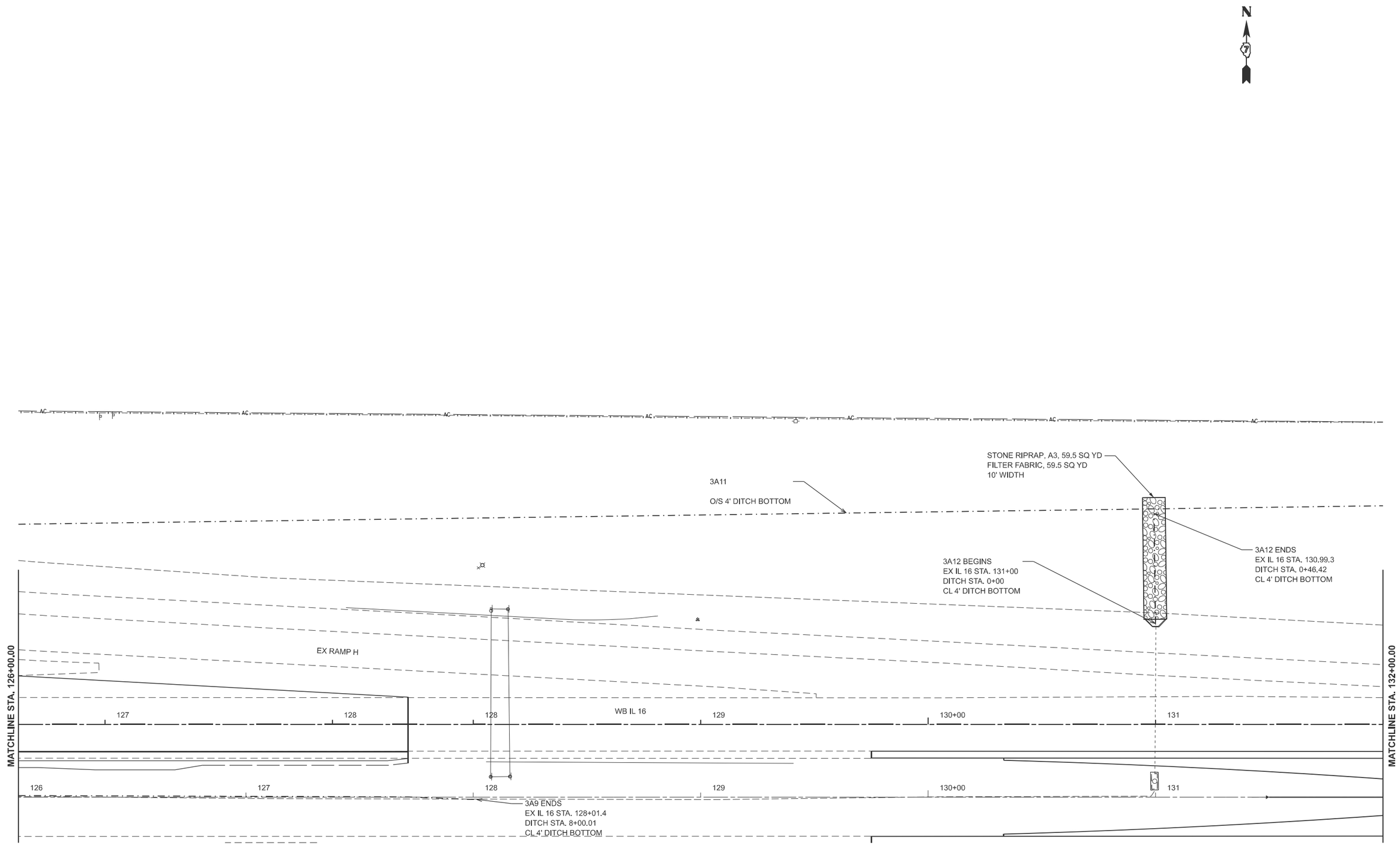
ILLINOIS | FED. AID PROJECT

DRAINAGE STRUCTURE SCHEDULE (WB IL 16)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	INLET INVERT		INLET INVERT		OUTLET INVERT	
91	121+43.46 (WB IL 16)	33.90' LT	INLET TY B, TY 3 F&G	717.21	711.94	SW	-	-	711.84	E
92	122+50.52 (WB IL 16)	32.98' LT	MH TY A 4', TY 1 FRAME, CLOSED LID	716.34	711.30	W	-	-	711.20	E
93	123+35.13 (WB IL 16)	28.03' LT	INLET TY A, TY 3 F&G	715.63	-	-	-	-	710.85	N
94	123+35.08 (WB IL 16)	32.63' LT	RCP TEE 15" P 15" R	-	-	-	-	-	710.78	E
95	123+97.13 (WB IL 16)	27.74' LT	INLET TY B, TY 3 F&G	715.22	-	-	-	-	710.56	N
96	123+97.07 (WB IL 16)	33.34' LT	RCP TEE 15" P 15" R	-	-	-	-	-	710.47	E
97	125+22.77 (WB IL 16)	26.17' LT	INLET TY A, TY 3 F&G	714.72	-	-	-	-	711.72	N
98	125+22.80 (WB IL 16)	33.05' LT	MH TY A 4', TY 1 FRAME, CLOSED LID	714.74	711.60	S	709.86	W	709.76	N
100T	125+20.26 (WB IL 16)	85.90' LT	MH TY A 5', TY 1 FRAME, CLOSED LID	712.27	709.47	S	708.97	W	708.87	E
101T	123+60.45 (WB IL 16)	69.86' LT	PRECAST CONC. FLARED END SECTION, 30"	-	709.80	W	-	-	-	-
102T	125+68.06 (WB IL 16)	86.82' LT	PRECAST CONC. FLARED END SECTION, 30"	-	-	-	-	-	708.62	E

STORM SEWER PIPE SCHEDULE (WB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 12"	STORM SEWERS, CL A, TY 2, 15"	STORM SEWERS, CL A, TY 2, 30"	TRENCH BACKFILL
			%	FEET	FEET	FEET	CU YD
90	TO	91	1.50	-	83.2	-	43.7
91	TO	92	0.50	-	108.1	-	56.7
92	TO	94	0.50	-	82.1	-	43.2
93	TO	94	1.94	-	1.0	-	1.1
94	TO	96	0.50	-	54.0	-	30.4
95	TO	96	1.96	-	2.0	-	1.3
96	TO	98	0.50	-	118.6	-	0.0
97	TO	98	3.08	-	3.9	-	0.1
98	TO	100T	0.59	-	54.9	-	0.2
101T	TO	100T	0.54	-	-	153.0	12.8
100T	TO	102T	0.58	-	-	43.0	38.8



MODEL: Ex IL 16 - STAGE 3A DRAINAGE-4 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklid\d852852\D774435\sheets\Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

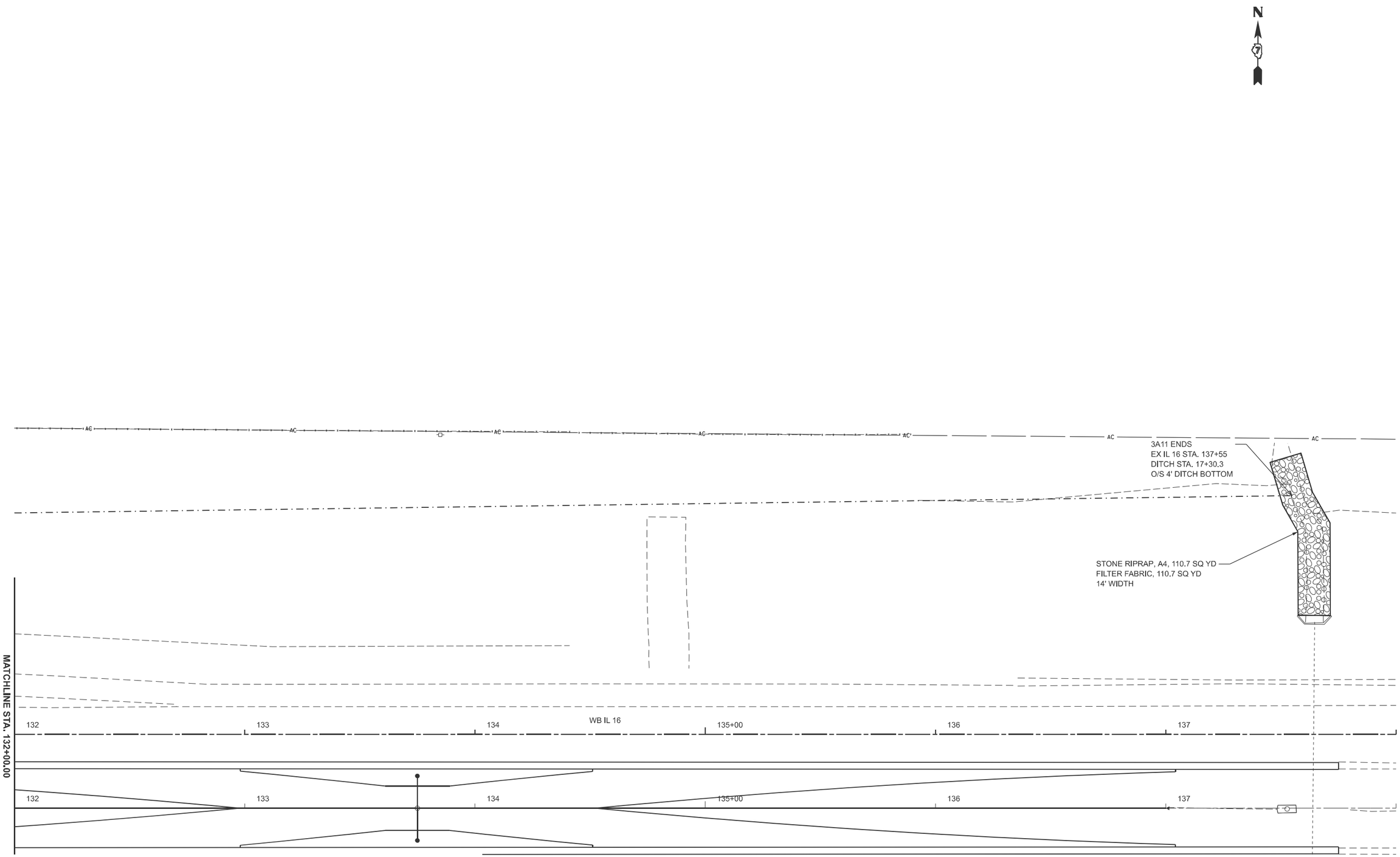
DRAINAGE PLAN & PROFILE
STAGE 3A: EX IL 16

SCALE: 1"=20' | SHEET 9 OF 24 SHEETS | STA. 126+00.00 TO STA. 132+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	464

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: Ex IL 16 - STAGE 3A DRAINAGE-5 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

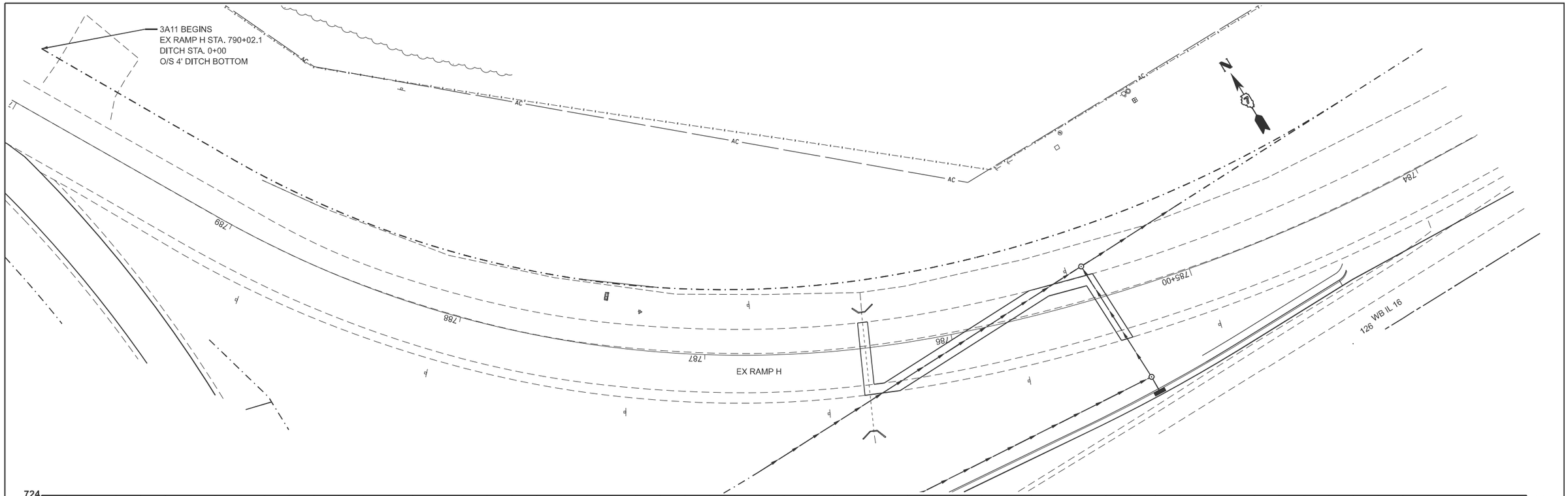
DRAINAGE PLAN & PROFILE
STAGE 3A: EX IL 16

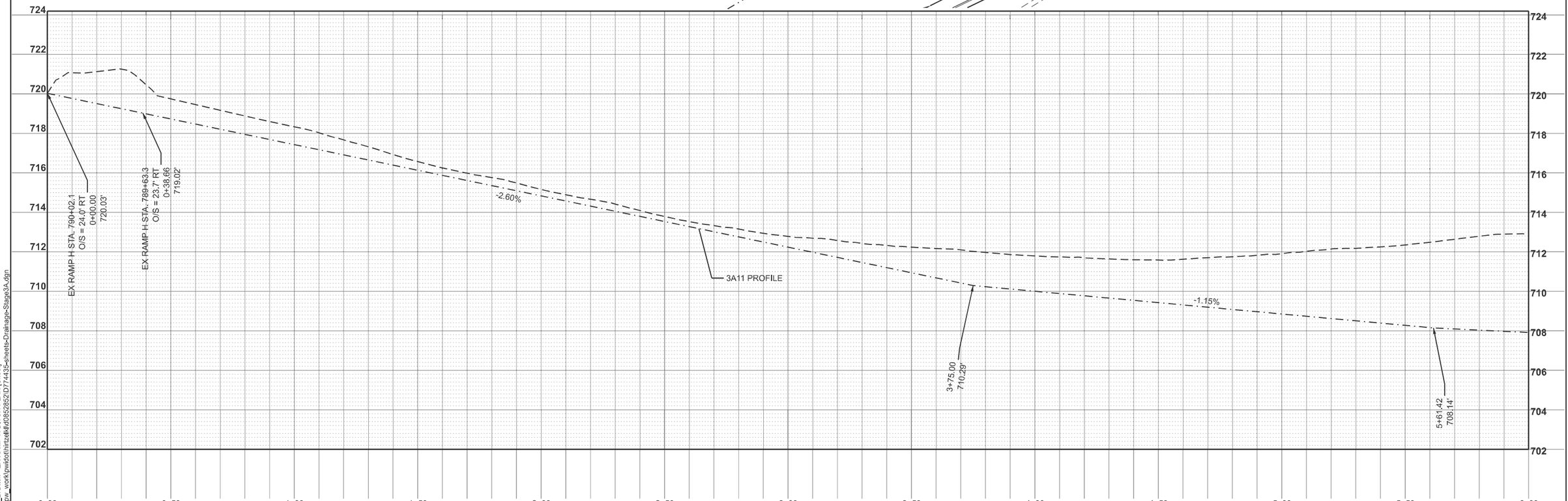
SCALE: 1"=20' | SHEET 10 OF 24 SHEETS | STA. 132+00.00 TO STA. 138+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	465

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT





MODEL: WB16_LTDitch - EX RAMP H DITCH PLAN [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklk\d0852852\D774435-sheets-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

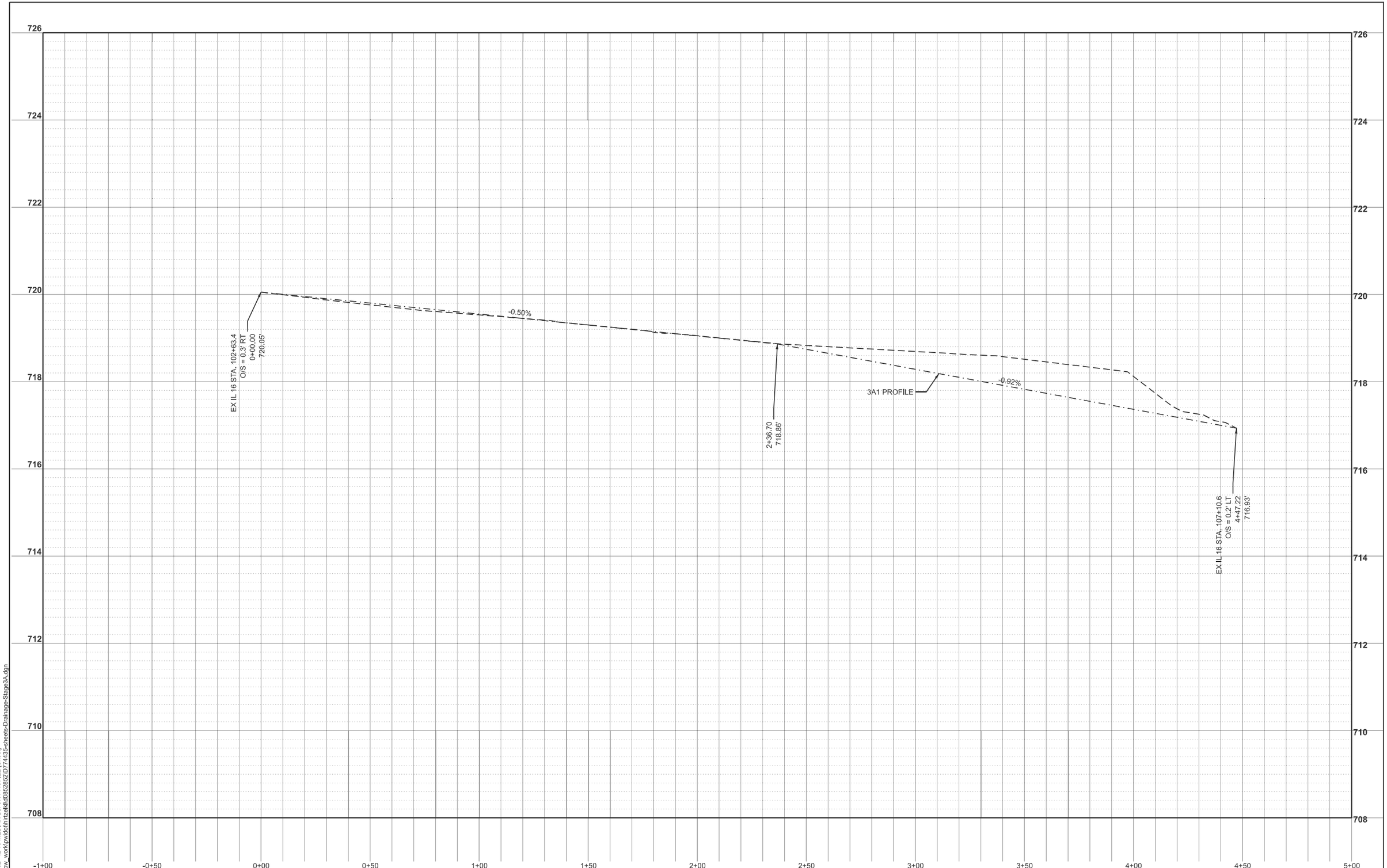
DRAINAGE PLAN & PROFILE
STAGE 3A: EX RAMP H

SCALE: 1"=20' | SHEET 11 OF 24 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	466

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: GrHrge2 - IL 16 MEDIAN DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirzel\kd0852852\D774435-sheets-Drainage-Stage3A.dgn

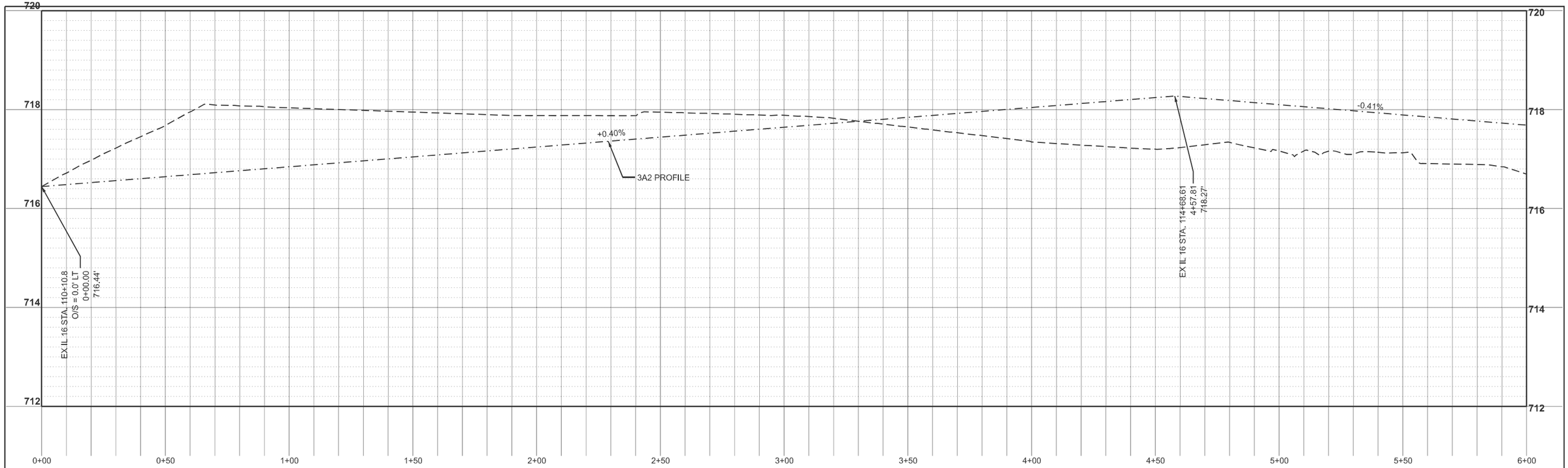
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

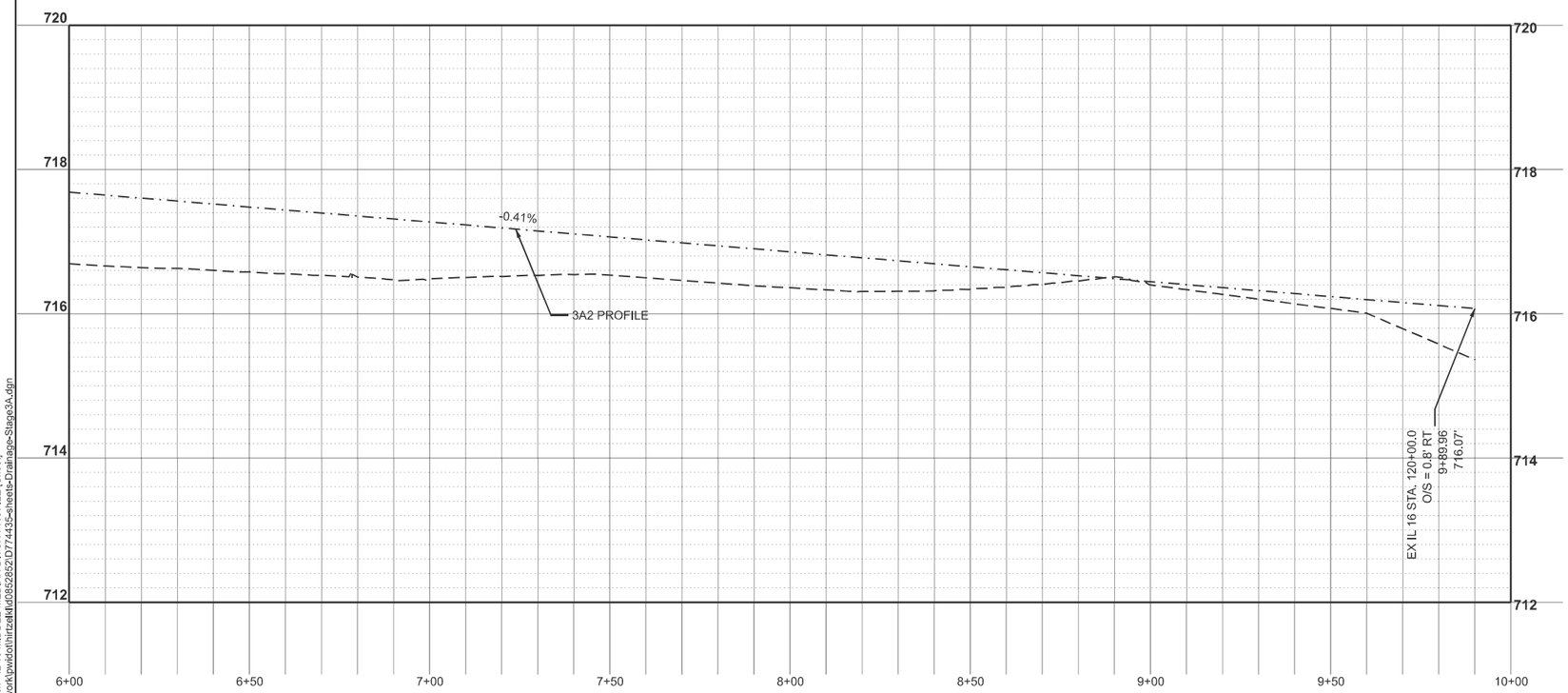
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A1 DITCH PROFILE

SCALE: 1"=20' | SHEET 12 OF 24 SHEETS | STA. -1+00.00 | TO STA. 5+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	467
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	





MODEL: GeomScratch - IL 16 MIDDLE MEDIAN DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklid0852852\D774435-sheets-Drainage-Stage3A.dgn

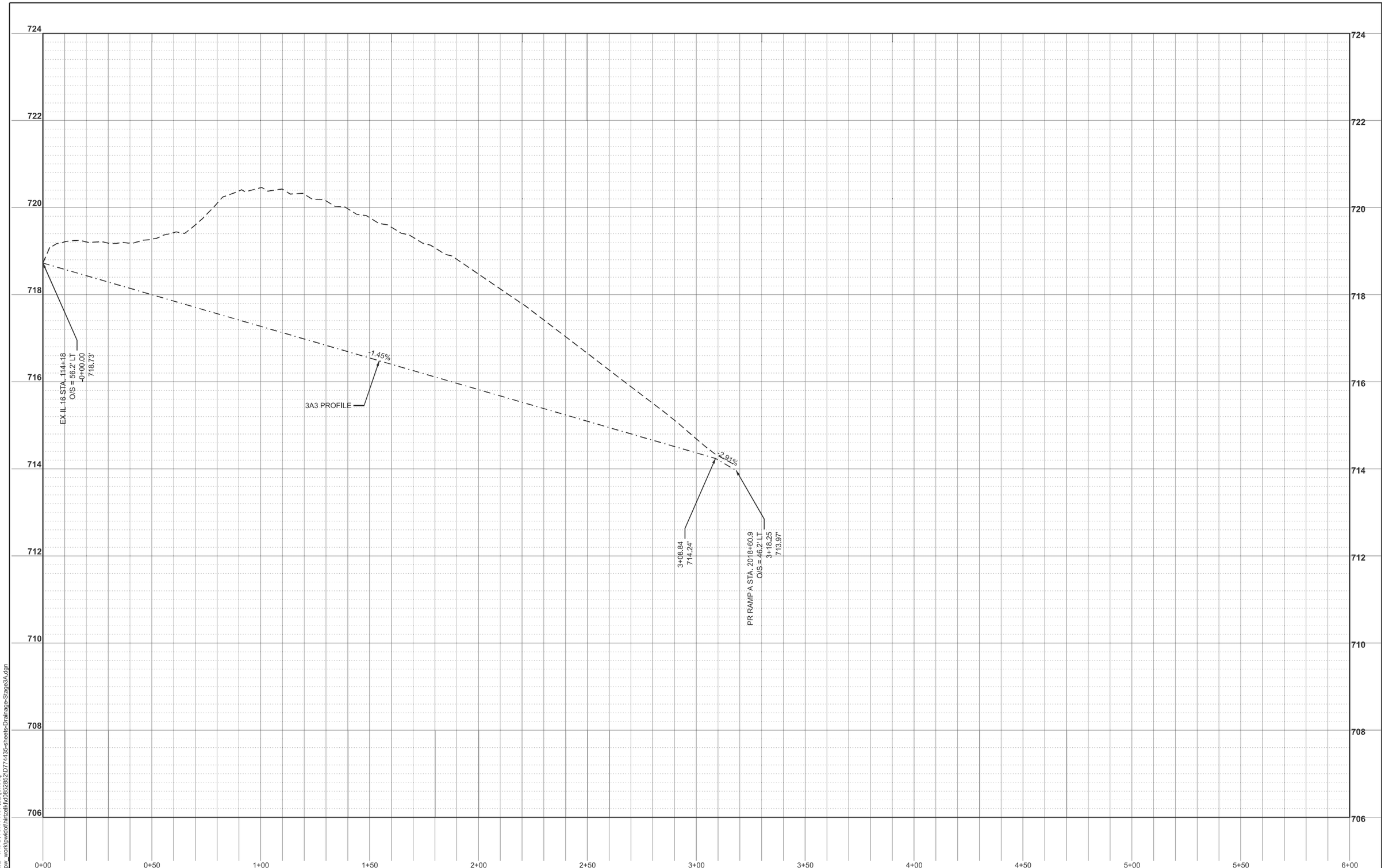
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A2 DITCH PROFILE

SCALE: 1"=20' | SHEET 13 OF 24 SHEETS | STA. 0+00.00 TO STA. 10+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	468
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: GHnge2 - 3A3 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

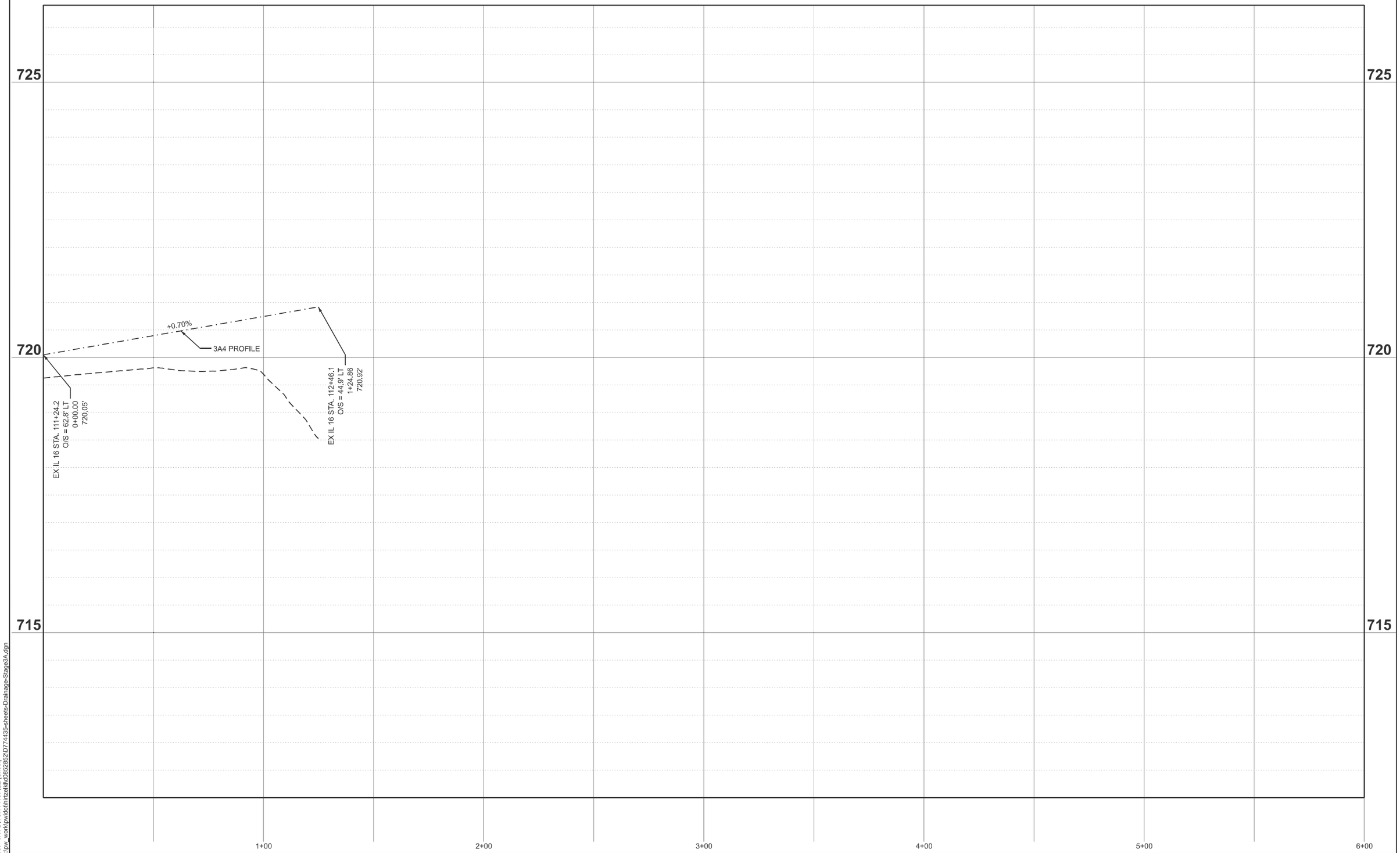
DRAINAGE PLAN & PROFILE
STAGE 3A: A3 DITCH PROFILE

SCALE: 1"=20' | SHEET 14 OF 24 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	469

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



MODEL: GrDBot - 3A4 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirzelkl\d085285 2\D77443\-sheets-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A4 DITCH PROFILE

SCALE: 1"=20' | SHEET 15 OF 24 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	470
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		

MODEL: GeomScratch - 3A5 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzdkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A5 DITCH PROFILE

SCALE: 1"=20' | SHEET 16 OF 24 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	471
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	

MODEL: GrDBot3 - 3A6 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirzelkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

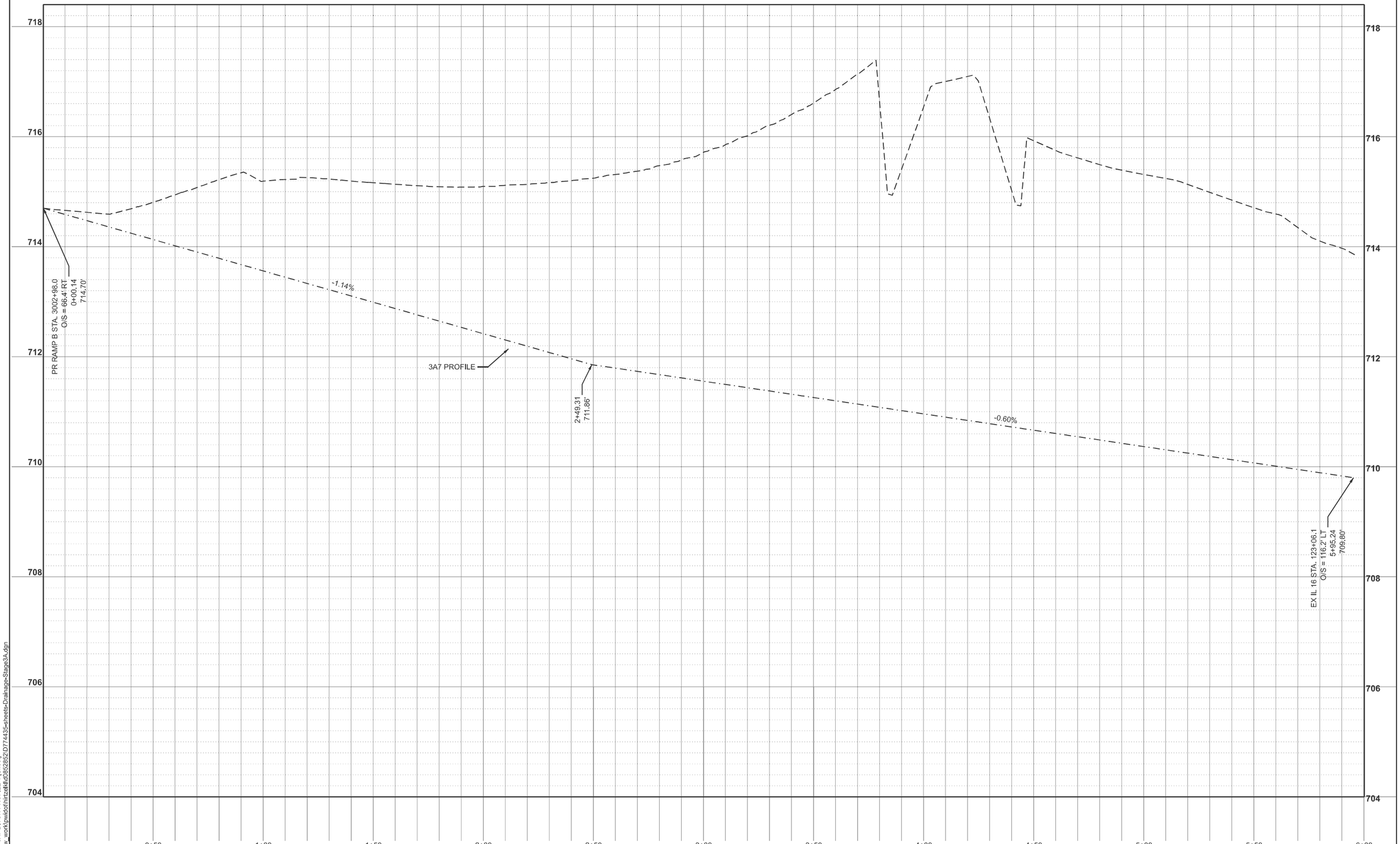
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A6 DITCH PROFILE

SCALE: 1"=20' | SHEET 17 OF 24 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	472
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: Plan~7 - 3A7 DITCH PROFILE-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkd\d0852852\D77435~sheets~Drainage~Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
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PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A7 DITCH PROFILE

SCALE: 1"=20' | SHEET 18 OF 24 SHEETS | STA. 0+00.14 TO STA. 6+00.14

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	473
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	

MODEL: GeomScratch - 3A8 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

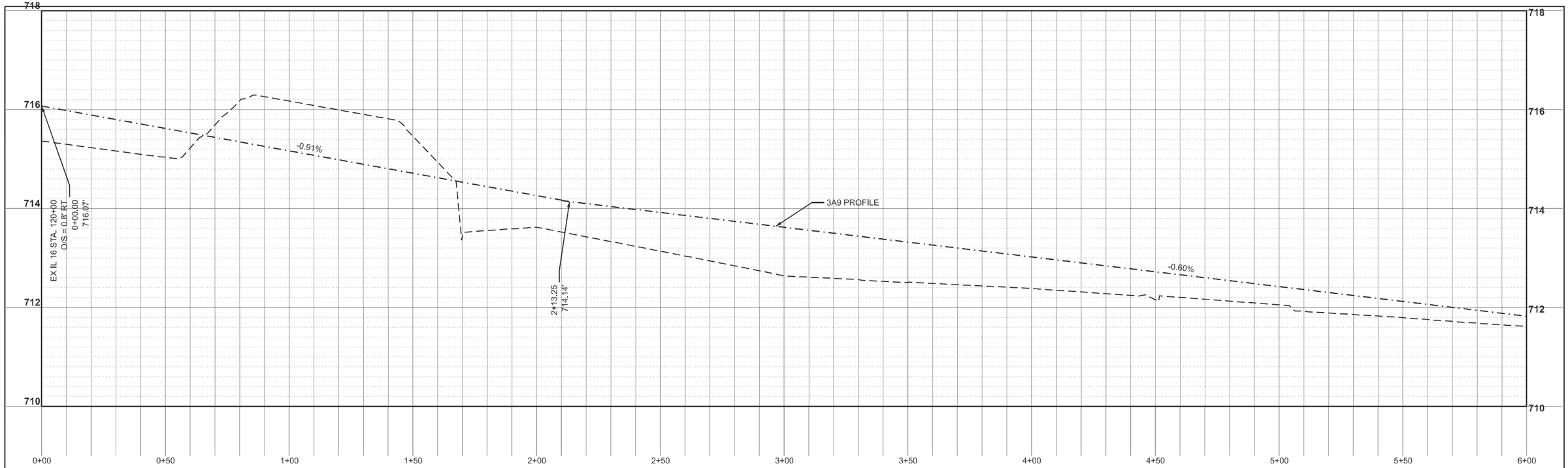
DRAINAGE PLAN & PROFILE
STAGE 3A; 3A8 DITCH PROFILE

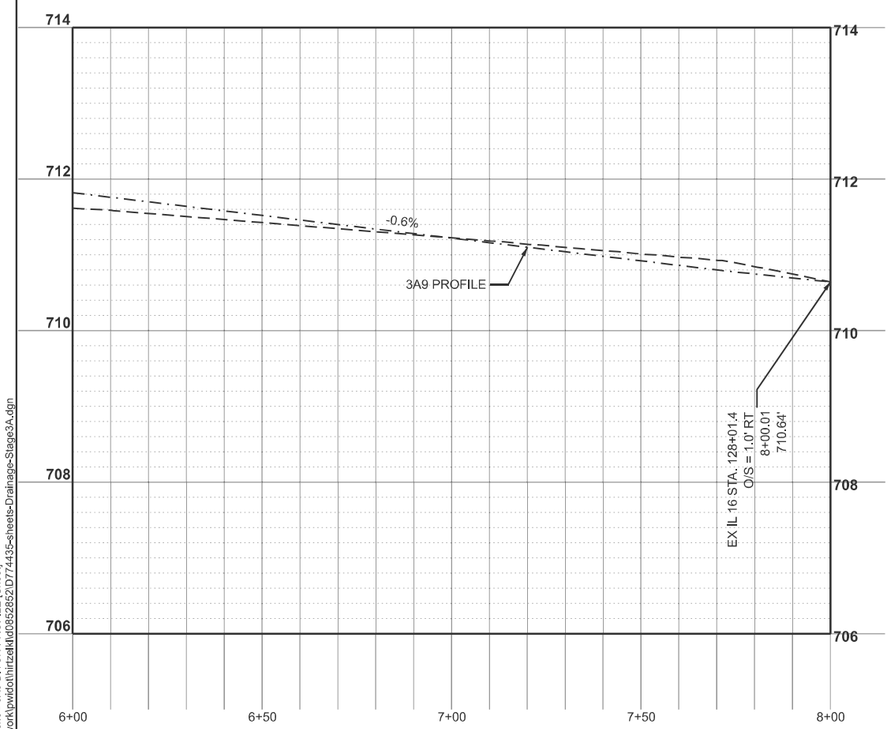
SCALE: 1"=20' | SHEET 19 OF 24 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	474

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT





MODEL: GeomScratch6 - 3A9 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklld\d0852852\D774435-sheets-Drainage-Stage3A.dgn

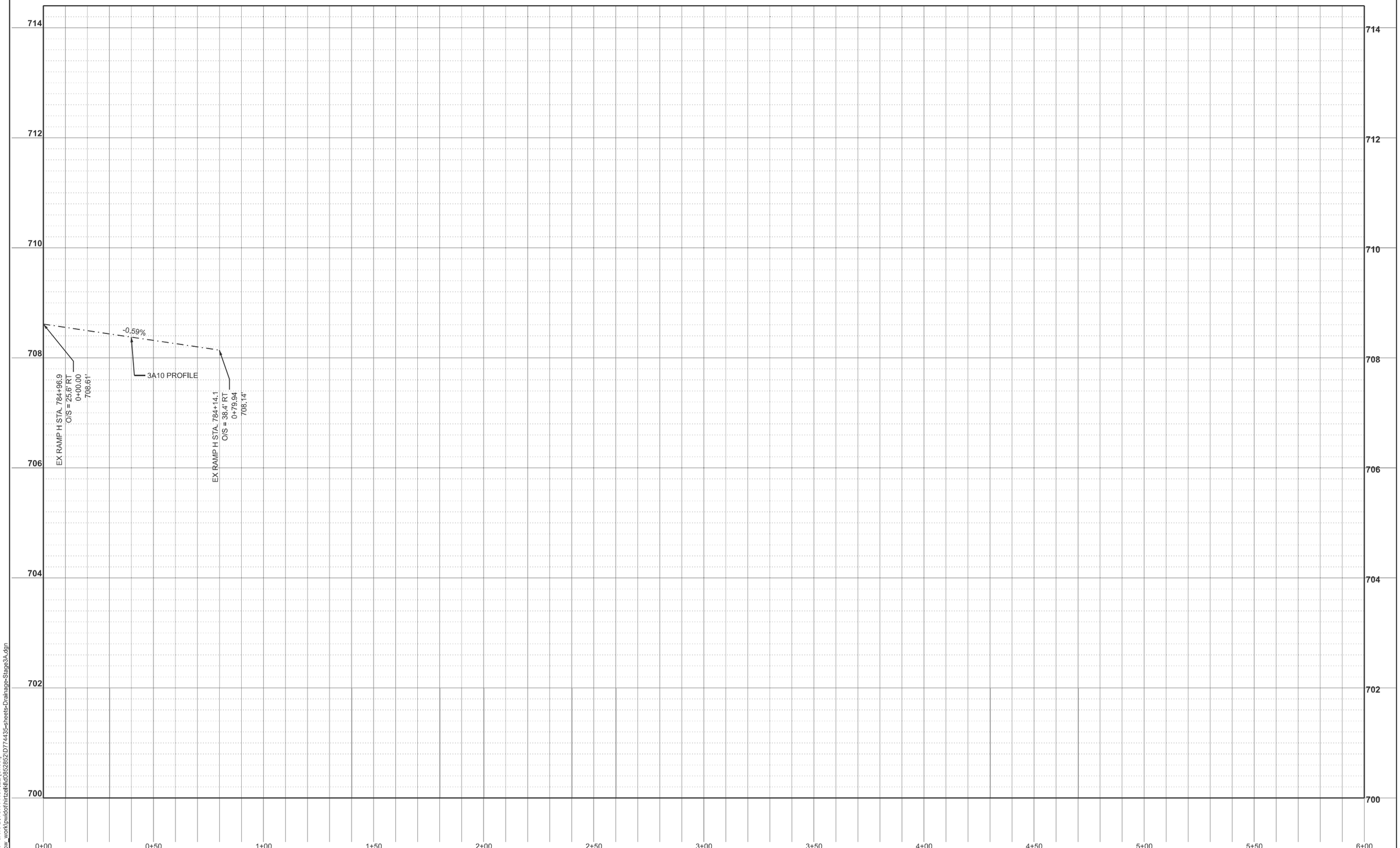
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A9 DITCH PROFILE

SCALE: 1"=20' | SHEET 20 OF 24 SHEETS | STA. 0+00.00 TO STA. 8+00.03

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	475
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: GrDBot - 3A10 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklt\d0852852\D774435-sheet5-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
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PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

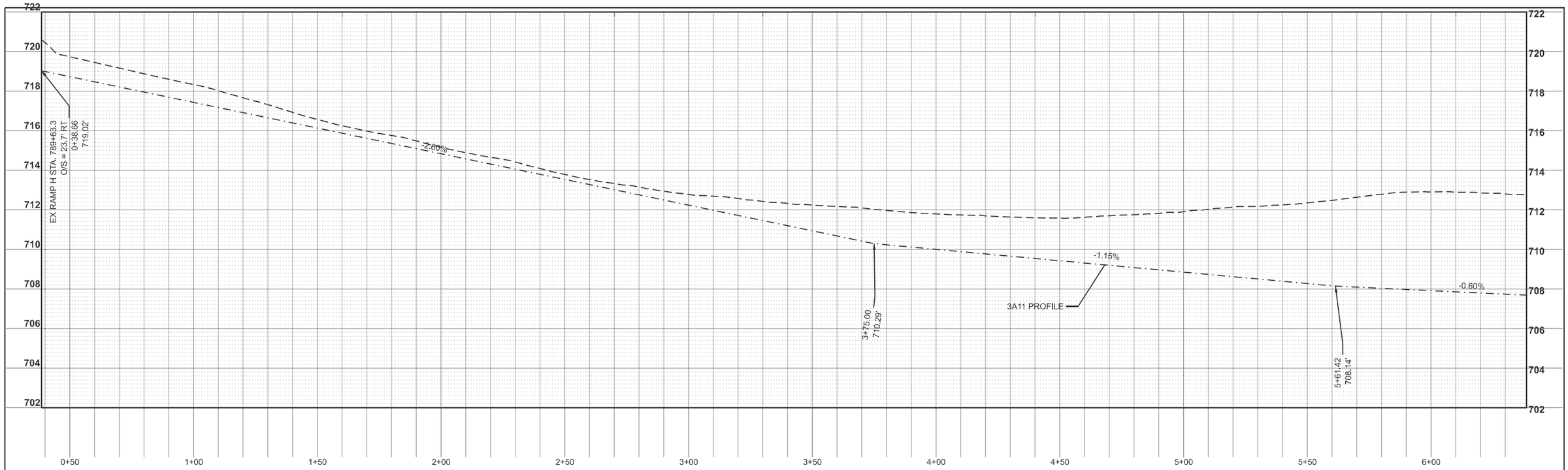
DRAINAGE PLAN & PROFILE
STAGE 3A: 3A10 DITCH PROFILE

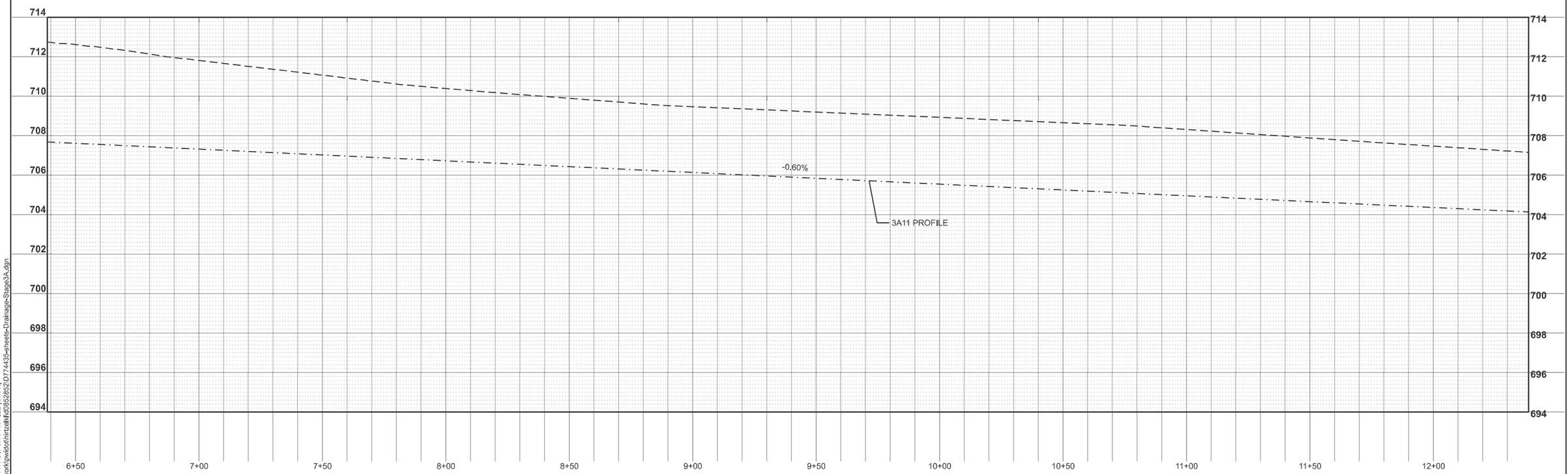
SCALE: 1"=20' | SHEET 21 OF 24 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	476

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT





MODEL: GrDBot4 - 3A11 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

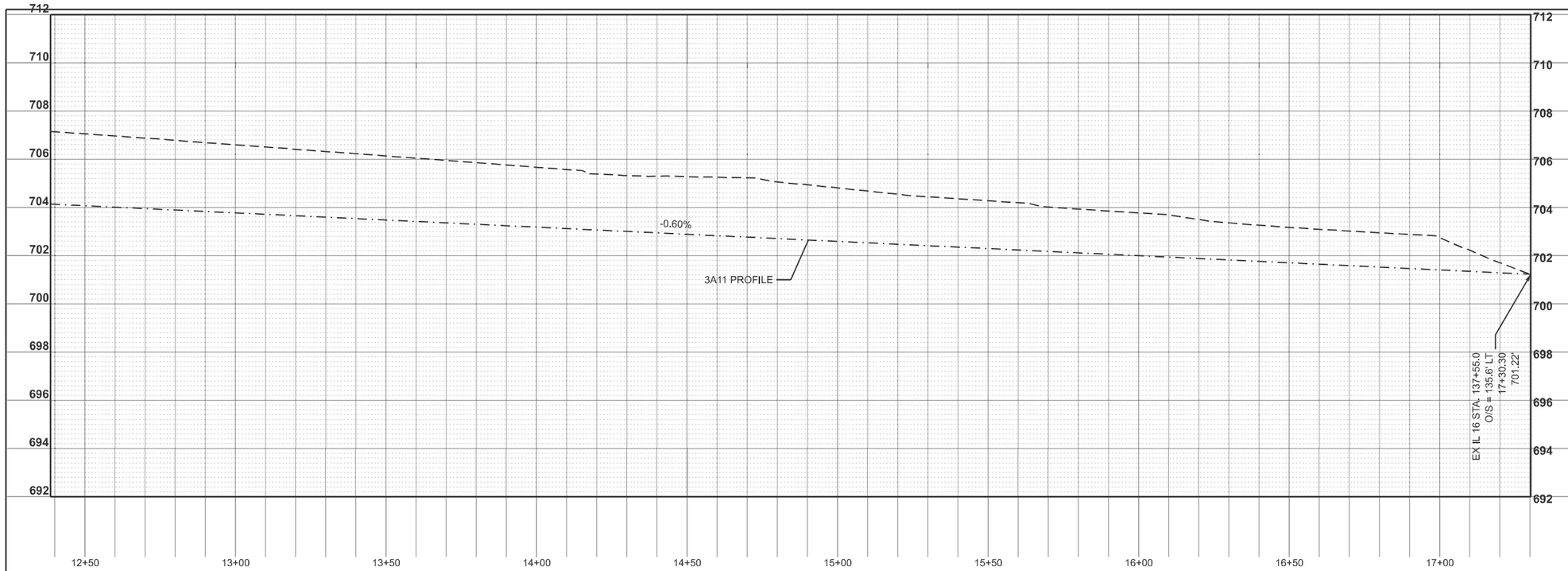
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A11 DITCH PROFILE

SCALE: 1"=20' | SHEET 22 OF 24 SHEETS | STA. 0+38.66 TO STA. 12+38.65

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	477
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: GrDb04 - 3A11 DITCH PROFILE-2 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzalkl\d0852852\D774435-sheet1-Drainage-Stage3A.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A11 DITCH PROFILE

SCALE: 1"=20' | SHEET 23 OF 24 SHEETS | STA. 12+38.65 TO STA. 17+30.30

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	478
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		

MODEL: GrDBot - 3A12 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pw\dot\hirtzelkl\d0852852\D77443\5-sheets-Drainage-Stage3A.dgn

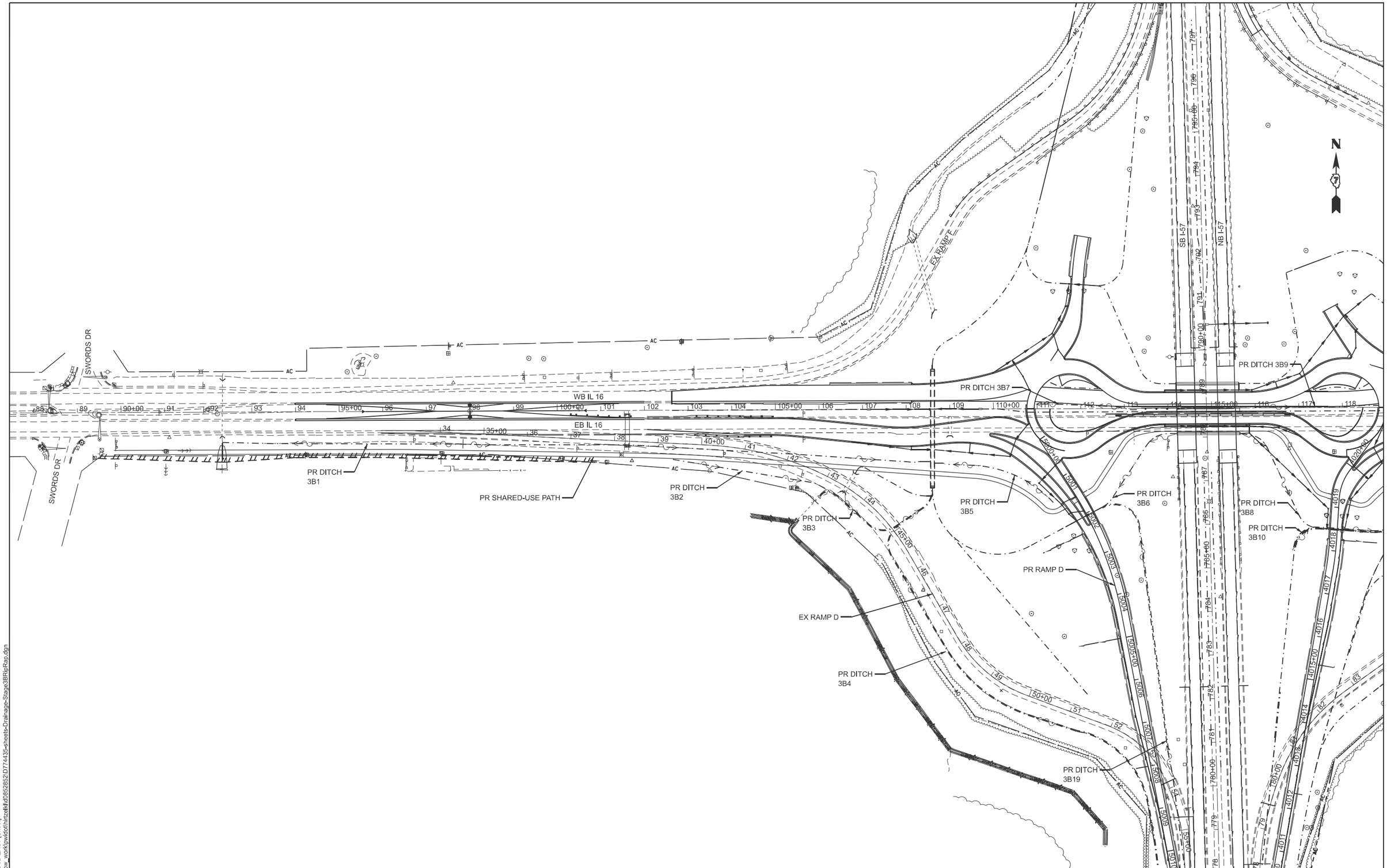
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 3A12 DITCH PROFILE

SCALE: 1"=20' | SHEET 24 OF 24 SHEETS | STA. 0+00.00 TO STA. 6+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	479
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



MODEL: STAGE 3B EAST [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzaklt\d0852852\D774435-sheets-Drainage-Stage3BRipRap.dgn

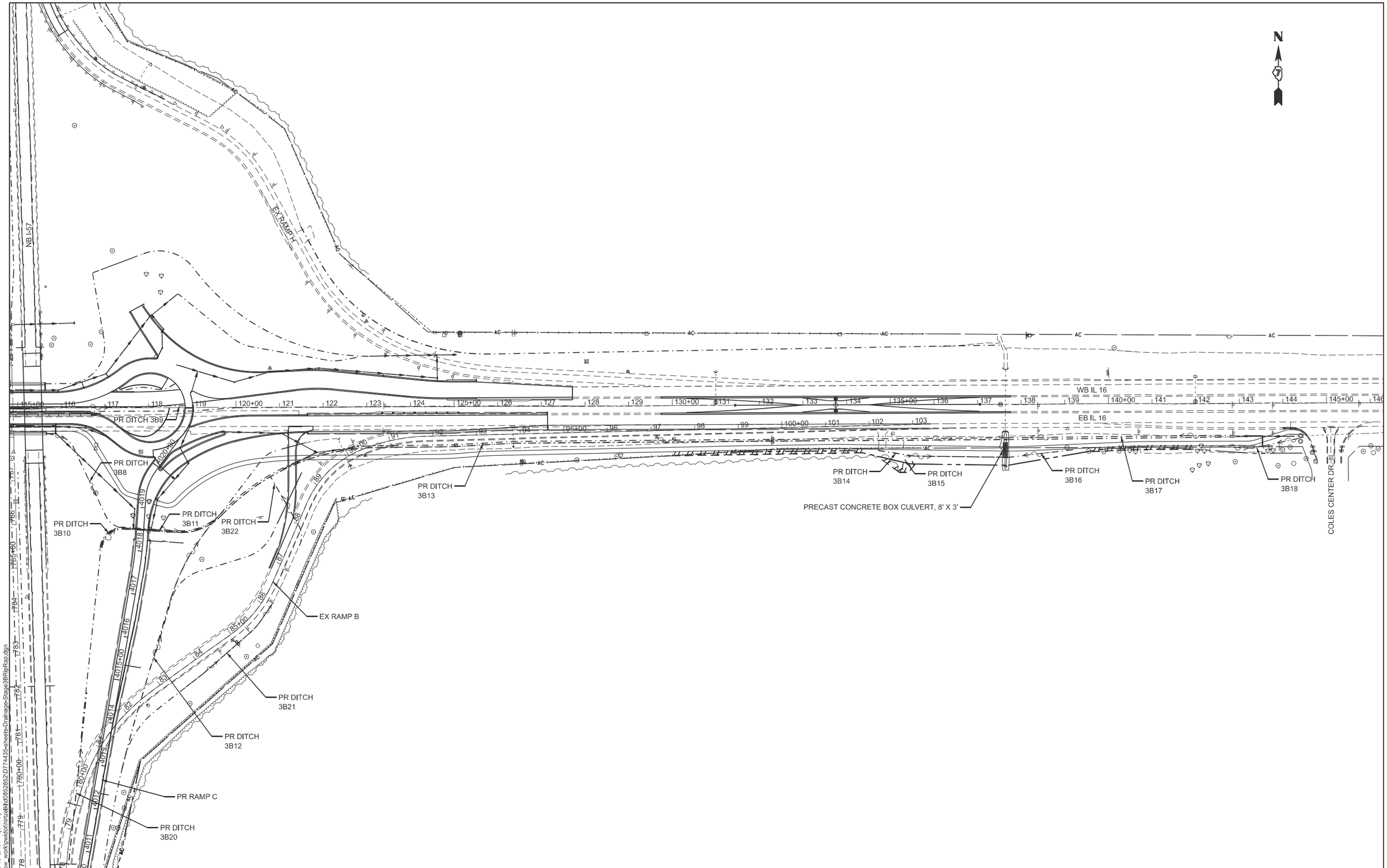
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: WEST OVERALL VIEW

SCALE: | SHEET 1 OF 47 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	480
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



MODEL: STAGE 3B EAST-1 [Sheet]
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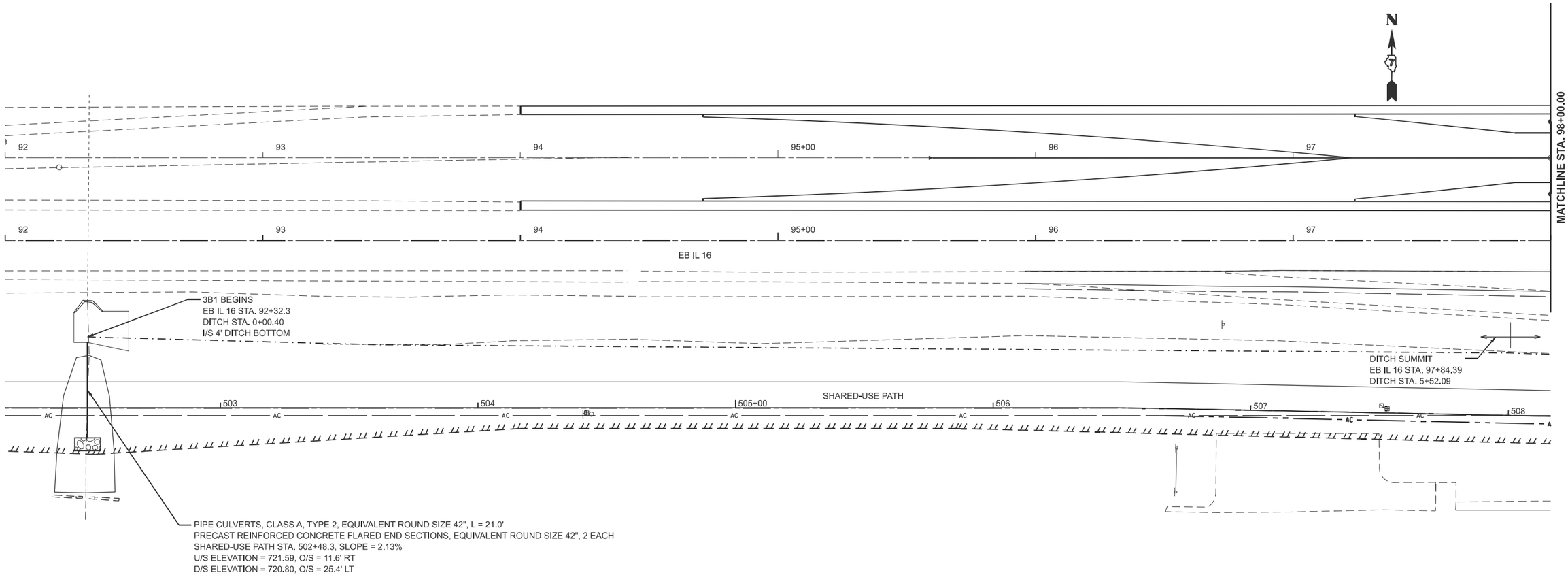
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EAST OVERALL VIEW

SCALE: | SHEET 2 OF 47 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	481
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

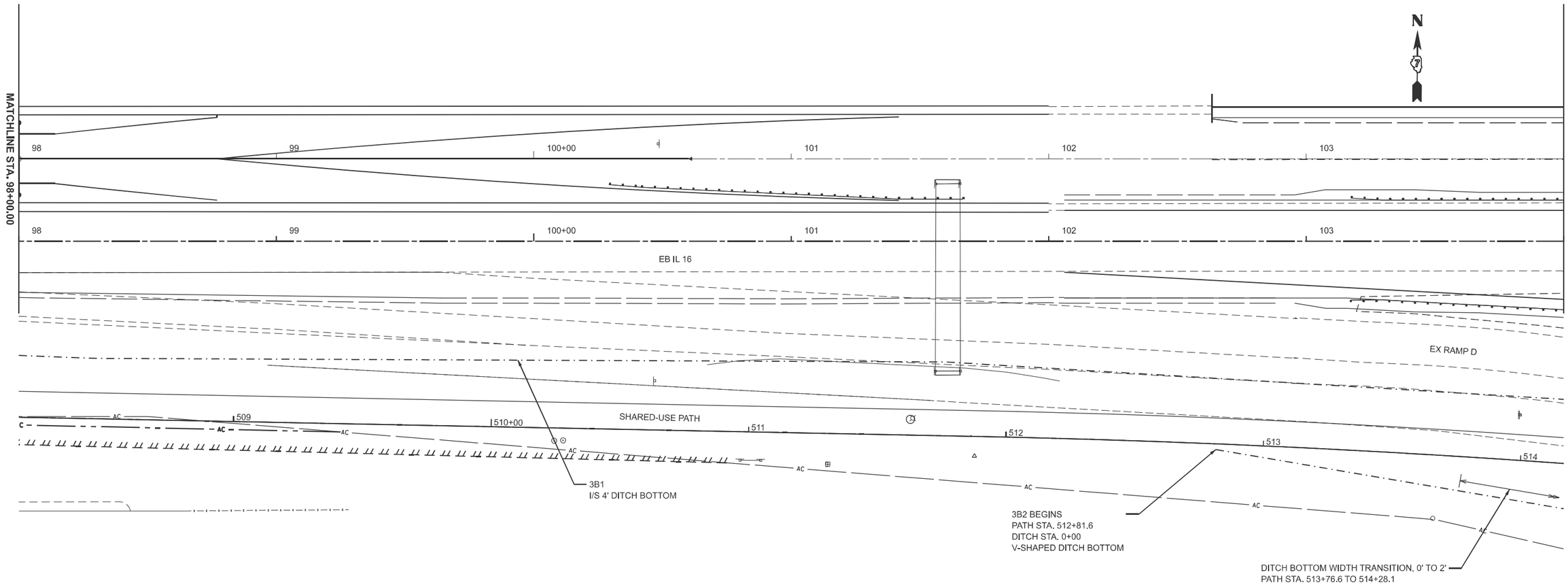
DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 3 OF 47 SHEETS | STA. 92+00.00 TO STA. 98+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	482

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 4 OF 47 SHEETS | STA. 98+00.00 TO STA. 104+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	483
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA. 104+00.00

MATCHLINE STA. 110+00.00

104 105+00 106 107 108 109

N

EB IL 16

41 42 43 44 45 46

515+00 516 517 518 519 520+00

SHARED-USE PATH

EX RAMP D

AC

DITCH WIDTH TRANSITION, 0' TO 2'
PATH STA. 513+76.6 TO STA. 514+28.1

3B1 ENDS
EB IL 16 STA. 108+22.8
DITCH STA. 15+95.15
I/S 4' DITCH BOTTOM

3B5 ENDS
PATH STA. 519+14.4
DITCH STA. 2+72.48
I/S 4' DITCH BOTTOM

3B2
I/S 2' DITCH BOTTOM

3B3 BEGINS
PATH STA. 516+23
DITCH STA. 0+00
I/S 4' DITCH BOTTOM

3B2 ENDS
PATH STA. 516+50.2
DITCH STA. 3+73.93
I/S 2' DITCH BOTTOM

3B3 ENDS
PATH STA. 518+78
DITCH STA. 3+35.62
I/S 4' DITCH BOTTOM

3B4 ENDS
EX RAMP D STA. 44+96.3
DITCH STA. 6+86.0
I/S 4' DITCH BOTTOM

3B4
(SEE EX RAMP D SHEET)

MODEL: Ex IL 16 - NewIL18 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekld\d0852852\D774435-sheets-Drainage-Stage3B.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 5 OF 47 SHEETS | STA. 104+00.00 TO STA. 110+00.00

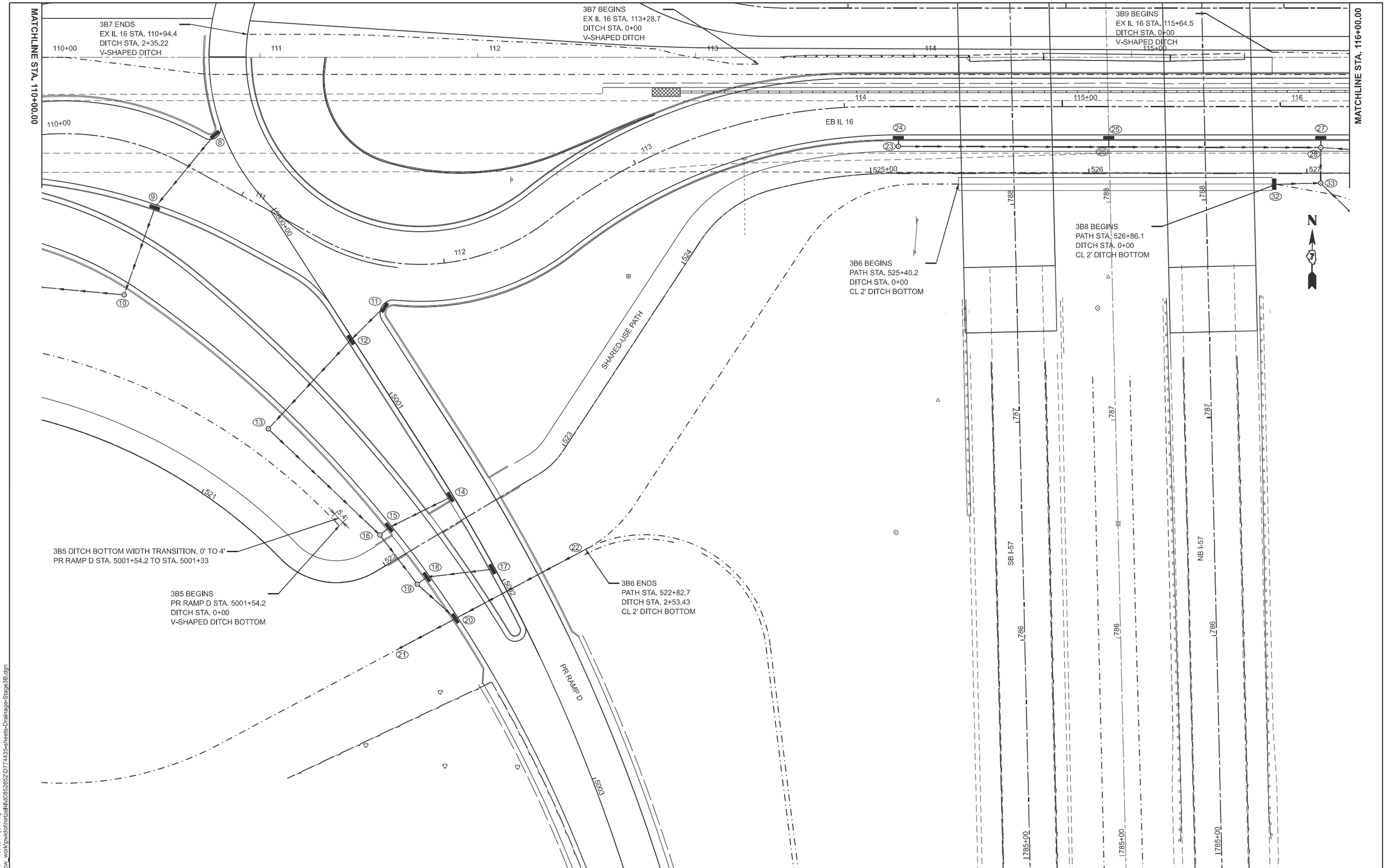
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	484
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	

DRAINAGE STRUCTURE SCHEDULE (EB IL 16)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	INLET INVERT		INLET INVERT		OUTLET INVERT	
1	106+80.00 (EB IL 16)	27.91' RT	INLET TY A, TY 3 F&G	721.45	-	-	-	-	717.95	E
2	108+11.95 (EB IL 16)	36.22' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	720.16	717.31	N	713.82	W	713.72	E
3	108+11.95 (EB IL 16)	28.96' RT	INLET TY A, TY 3 F&G	720.94	-	-	-	-	717.44	S
4	108+51.90 (EB IL 16)	39.91' RT	S.S. OUTLET INTO BOX CULVERT UNDER IL 16	-	-	-	-	-	712.47	W
5	108+61.78 (EB IL 16)	41.55' RT	S.S. OUTLET INTO BOX CULVERT UNDER IL 16	-	-	-	-	-	712.48	E
6	109+44.16 (EB IL 16)	35.67' RT	INLET TY B, TY 3 F&G	720.24	-	-	-	-	714.45	S
7	109+39.42 (EB IL 16)	58.02' RT	RCP TEE 15" P 15" R	-	-	-	-	-	713.7	W
111	108+26.25 (EB IL 16)	64.79' RT	INLET, TY A, WITH MEDIAN INLET (604101)	715.27	-	-	-	-	712.60	E
112	108+49.38 (EB IL 16)	67.46' RT	S.S. OUTLET INTO BOX CULVERT UNDER IL 16	-	-	-	-	-	712.10	W
113	108+56.89 (EB IL 16)	71.91' RT	S.S. OUTLET INTO BOX CULVERT UNDER IL 16	-	-	-	-	-	712.10	E
114	108+77.31 (EB IL 16)	74.40' RT	INLET, TY A, WITH MEDIAN INLET (604101)	715.51	-	-	-	-	712.50	W

STORM SEWER PIPE SCHEDULE (EB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 15"	STORM SEWERS, CL A, TY 2, 18"	TRENCH BACKFILL
			%	FEET	FEET	CU YD
1	TO	2	3.09	133.7	-	53.9
3	TO	2	3.02	4.3	-	0.1
2	TO	4	2.99	41.8	-	0.0
5	TO	7	1.54	76.4	-	0.0
6	TO	7	3.52	18.7	-	1.2
111	TO	112	1.98	-	25.3	0
114	TO	113	2.06	-	19.4	0



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FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D77435-sheets-Drainage-Stage3B.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 7 OF 47 SHEETS | STA. 110+00.00 TO STA. 116+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	486
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	

DRAINAGE STRUCTURE SCHEDULE (EB IL 16)

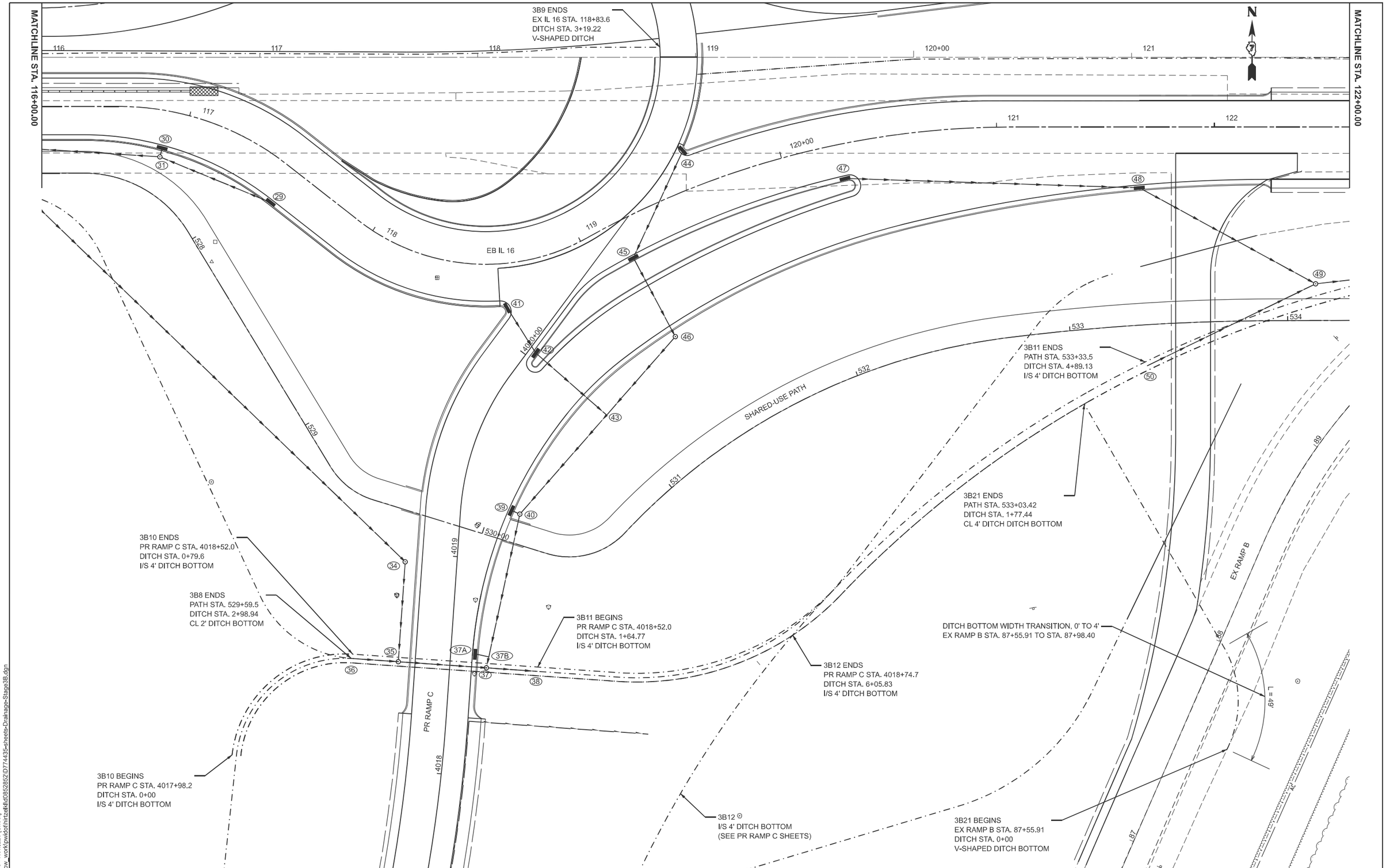
PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	INLET INVERT		INLET INVERT		INLET INVERT		OUTLET INVERT	
8	110+75.80 (EB IL 16)	18.69' LT	INLET TY A, TY 4 F&G	720.77	-	-	-	-	-	-	717.27	SW
9	110+67.07 (EB IL 16)	23.84' RT	INLET TY B, TY 4 F&G	720.20	716.25	NE	-	-	-	-	716.15	SW
10	110+74.54 (EB IL 16)	65.85' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	719.55	715.21	NE	-	-	-	-	715.11	W
11	111+75.29 (EB IL 16)	20.90' RT	INLET TY A, TY 4 F&G	719.79	-	-	-	-	-	-	716.29	SW
12	5000+69.46 (RAMP D)	1.02' RT	INLET TY B, TY 4 F&G	719.61	715.16	NE	-	-	-	-	715.06	SW
13	5000+83.24 (RAMP D)	54.96' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.20	714.54	NE	-	-	-	-	714.44	SE
14	5001+54.83 (RAMP D)	1.25' RT	INLET TY A, TY 4 F&G	718.65	-	-	-	-	-	-	715.15	SW
15	5001+52.02 (RAMP D)	32.55' RT	INLET TY B, TY 3 F&G	718.03	714.29	NE	-	-	-	-	714.19	SW
16	5001+52.70 (RAMP D)	38.01' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.36	714.13	NE	713.77	NW	-	-	713.67	SE
17	5001+93.18 (Ramp D)	1.16' RT	INLET TY A, TY 4 F&G	718.52	-	-	-	-	-	-	715.15	SW
18	5001+81.57 (RAMP D)	29.20' RT	INLET TY B, TY 3 F&G	717.95	714.32	NE	-	-	-	-	714.22	SW
19	5001+82.19 (RAMP D)	34.67' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.18	714.16	NE	713.46	NW	-	-	713.36	SE
20	5002+03.67 (RAMP D)	28.34' RT	MH TY A 5', TY 3 F&G	718.00	713.21	NE	713.13	NW	-	-	713.03	SW
21	5002+05.50 (RAMP D)	55.78' RT	PRECAST CONC. FLARED END SECTION, 30"	-	-	-	-	-	-	-	712.92	SW
22	5002+05.00 (RAMP D)	44.21' LT	PRECAST CONC. FLARED END SECTION, 30"	-	713.41	NE	-	-	-	-	-	-
23	114+24.83 (EB IL 16)	18.30' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.70	-	-	-	-	-	-	715.70	S
24	114+24.84 (EB IL 16)	14.30' RT	INLET TY A, TY 3 F&G	719.26	715.67	N	-	-	-	-	715.57	E
25	115+21.34 (EB IL 16)	14.30' RT	INLET TY A, TY 3 F&G	718.22	-	-	-	-	-	-	714.62	S
26	115+21.33 (EB IL 16)	18.55' RT	RCP TEE 15" P 15" R	-	-	-	-	-	-	-	714.53	E
27	116+18.63 (EB IL 16)	14.30' RT	INLET TY A, TY 3 F&G	717.73	-	-	-	-	-	-	714.23	S
28	116+18.62 (EB IL 16)	18.80' RT	MH TY A 5', TY 1 FRAME, CLOSED LID	718.21	714.20	N	713.57	W	713.57	E	713.47	S
32	115+97.26 (EB IL 16)	35.62' RT	INLET TY A, TY 8 F&G	718.04	-	-	-	-	-	-	714.54	E
33	116+18.55 (EB IL 16)	35.11' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.20	714.00	W	713.40	N	-	-	713.30	SE

STORM SEWER PIPE SCHEDULE (EB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 15"	TRENCH BACKFILL
			%	FEET	CU YD
7	TO	10	1.54	88.8	0.0
8	TO	9	2.50	40.8	5.3
9	TO	10	2.41	39.0	7.3
11	TO	12	5.98	18.9	3.1
12	TO	13	1.00	52.2	8.3
13	TO	16	1.00	66.7	0.0
14	TO	15	2.98	28.9	3.4
15	TO	16	3.00	2.0	0.3
16	TO	19	0.86	24.3	6.0
17	TO	18	2.99	27.8	3.0
18	TO	19	3.00	2.0	0.3

STORM SEWER PIPE SCHEDULE (EB IL 16)

PT	TO	TO	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 15"	TRENCH BACKFILL
			%	FEET	CU YD
19	TO	20	0.80	18.7	5.0
22	TO	20	0.43	-	4.0
20	TO	21	0.44	-	0.0
23	TO	24	3.00	1.0	0.1
24	TO	26	1.00	91.5	14.5
25	TO	26	2.81	0.6	0.5
26	TO	28	1.00	91.8	20.0
27	TO	28	3.00	1.0	0.1
28	TO	33	0.59	11.8	3.0
32	TO	33	2.95	18.3	1.4



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FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3B.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 9 OF 47 SHEETS | STA. 116+00.00 TO STA. 122+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	488
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		

DRAINAGE STRUCTURE SCHEDULE (EB IL 16)

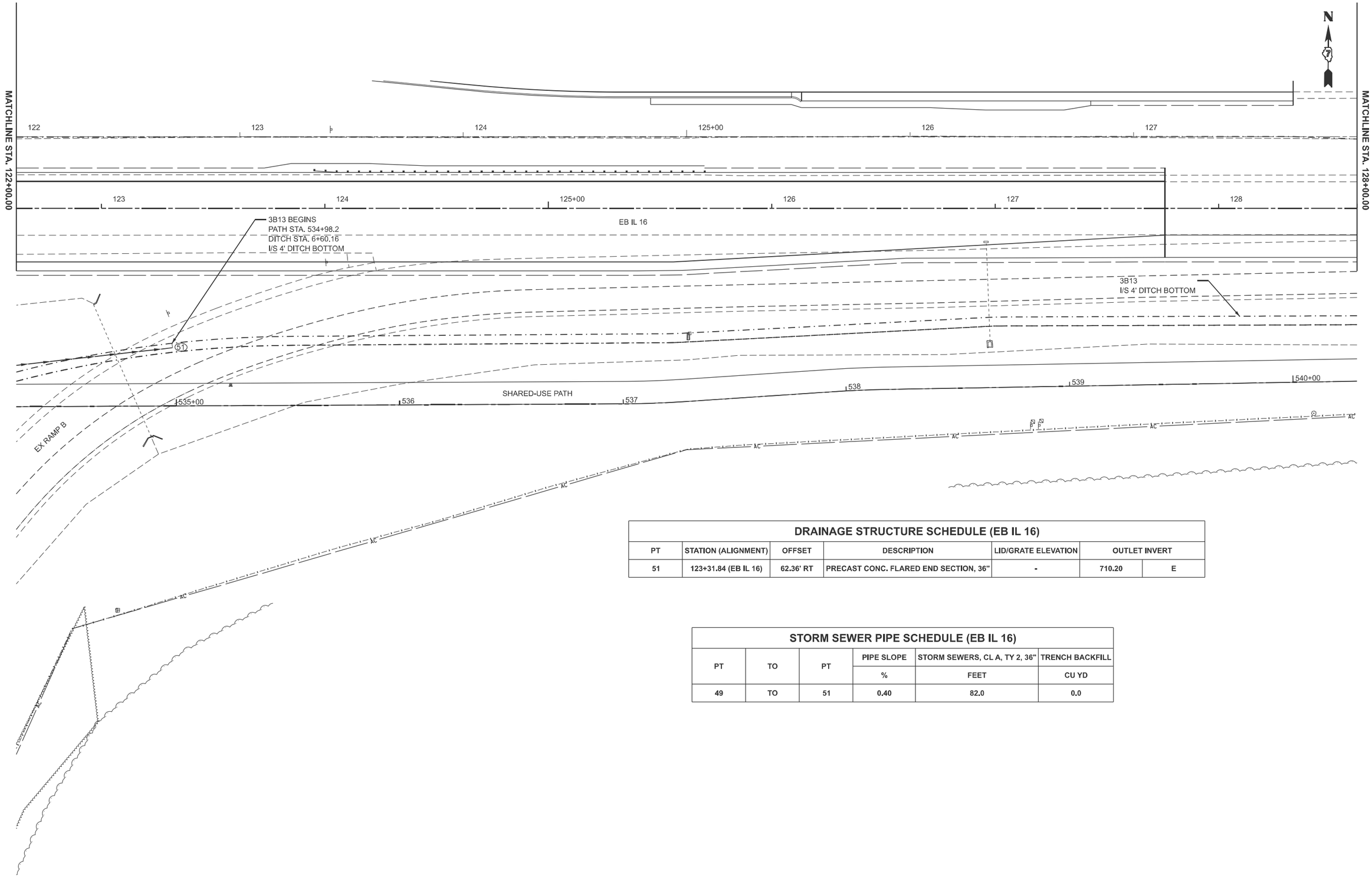
PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	INLET INVERT		INLET INVERT		OUTLET INVERT	
29	117+55.15 (EB IL 16)	18.30' RT	INLET TY A, TY 3 F&G	717.65	-	-	-	-	715.03	NW
30	116+90.36 (EB IL 16)	17.21' RT	INLET TY A, TY 3 F&G	717.48	-	-	-	-	714.49	S
31	116+89.97 (EB IL 16)	21.40' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	718.01	714.46	N	714.46	SE	714.60	W
34	4018+95.94 (RAMP C)	23.72' LT	MH TY A 4', TY 1 FRAME, CLOSED LID	717.26	712.21	NW	-	-	712.11	S
35	4018+50.00 (RAMP C)	23.72' LT	MH TY A 5', TY 1 FRAME, CLOSED LID	716.90	711.92	N	711.92	W	711.87	E
36	4018+50.00 (RAMP C)	44.72' LT	PRECAST CONC. FLARED END SECTION, 30"	-	712.00	W	-	-	-	-
37	4018+50.00 (RAMP C)	16.80' RT	MH TY A 6', TY 1 FRAME, CLOSED LID	716.37	711.72	N	711.72	W	711.67	E
37A	4018+56.12 (RAMP C)	11.30' RT	INLET TY A, TY 3 F&G	716.17	-	-	-	-	711.88	E
37B	4018+55.12 (RAMP C)	17.55' RT	RCP TEE 15" P 15" R	-	-	-	-	-	711.74	W
38	4018+50.00 (RAMP C)	40.30' RT	PRECAST CONC. FLARED END SECTION, 30"	-	-	-	-	-	711.58	E
39	4019+23.26 (RAMP C)	23.25' RT	INLET TY A, TY 3 F&G	716.39	-	-	-	-	712.89	E
40	4019+21.43 (RAMP C)	27.23' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	716.80	712.85	W	712.17	NE	712.07	SW
41	118+62.96 (EB IL 16)	20.52' RT	INLET TY A, TY 4 F&G	717.98	-	-	-	-	714.98	SE
42	4020+03.38 (RAMP C)	3.29' RT	INLET TY B, TY 4 F&G	717.72	713.27	NW	-	-	713.17	SE
43	4019+99.90 (RAMP C)	46.39' RT	RCP TEE 15" P 12" R	-	-	-	-	-	712.67	SW
44	119+59.01 (EB IL 16)	17.52' LT	INLET TY A, TY 4 F&G	718.95	-	-	-	-	715.95	SW
45	119+18.15 (EB IL 16)	18.09' RT	INLET TY B, TY 4 F&G	718.41	714.73	NE	-	-	714.63	SE
46	119+18.91 (EB IL 16)	59.07' RT	MH TY A 4', TY 1 FRAME, CLOSED LID	717.95	714.25	NW	-	-	713.06	SW
47	120+26.80 (EB IL 16)	15.86' RT	INLET TY A, TY 4 F&G	718.51	-	-	-	-	715.26	E
48	121+65.55 (EB IL 16)	27.92' RT	INLET TY B, TY 3 F&G	717.14	711.52	W	-	-	711.42	SE
49	122+46.38 (EB IL 16)	71.97' RT	MH TY A 8', TY 1 FRAME, CLOSED LID	714.18	710.20	NW	710.10	SW	710.10	E
50	121+69.06 (EB IL 16)	109.61' RT	PRECAST CONC. FLARED END SECTION, 36"	-	710.37	SW	-	-	-	-

STORM SEWER PIPE SCHEDULE (EB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 12"	STORM SEWERS, CL A, TY 2, 15"	STORM SEWERS, CL A, TY 2, 30"	STORM SEWERS, CL A, TY 1, 36"	TRENCH BACKFILL
			%	FEET	FEET	FEET	FEET	CU YD
29	TO	31	1.10	-	52.0	-	-	3.2
30	TO	31	2.50	-	1.2	-	-	0.1
31	TO	28	1.24	-	63.5	-	-	11.9
33	TO	34	0.44	-	246.2	-	-	0.0
34	TO	35	0.46	-	41.4	-	-	0.0
36	TO	35	0.43	-	-	18.5	-	0.0
35	TO	37	0.43	-	-	35.0	-	8.7
37	TO	38	0.44	-	-	20.5	-	0.0
37A	TO	37B	2.95	-	4.8	-	-	0.0
40	TO	37	0.51	-	69.2	-	-	7.1

STORM SEWER PIPE SCHEDULE (EB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 12"	STORM SEWERS, CL A, TY 2, 15"	STORM SEWERS, CL A, TY 2, 30"	STORM SEWERS, CL A, TY 2, 36"	TRENCH BACKFILL
			%	FEET	FEET	FEET	FEET	CU YD
39	TO	40	3.33	-	1.2	-	-	0.2
43	TO	40	0.86	-	55.4	-	-	0.0
46	TO	43	0.86	-	42.8	-	-	0.0
42	TO	43	1.20	39.1	-	-	-	7.9
41	TO	42	7.81	21.9	-	-	-	3.3
45	TO	46	1.01	37.5	-	-	-	6.1
44	TO	45	2.36	51.6	-	-	-	5.6
47	TO	48	2.82	-	132.6	-	-	46.3
48	TO	49	1.41	-	86.6	-	-	4.6
50	TO	49	0.33	-	-	-	82.0	6.3



DRAINAGE STRUCTURE SCHEDULE (EB IL 16)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	OUTLET INVERT	
51	123+31.84 (EB IL 16)	62.36' RT	PRECAST CONC. FLARED END SECTION, 36"	-	710.20	E

STORM SEWER PIPE SCHEDULE (EB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 2, 36"	TRENCH BACKFILL
			%	FEET	CU YD
49	TO	51	0.40	82.0	0.0

MODEL: Ex IL 16 - NewIL21 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzekld\d0852852\D774435-sheets-Drainage-Stage3B.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
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	CHECKED -	REVISED -	
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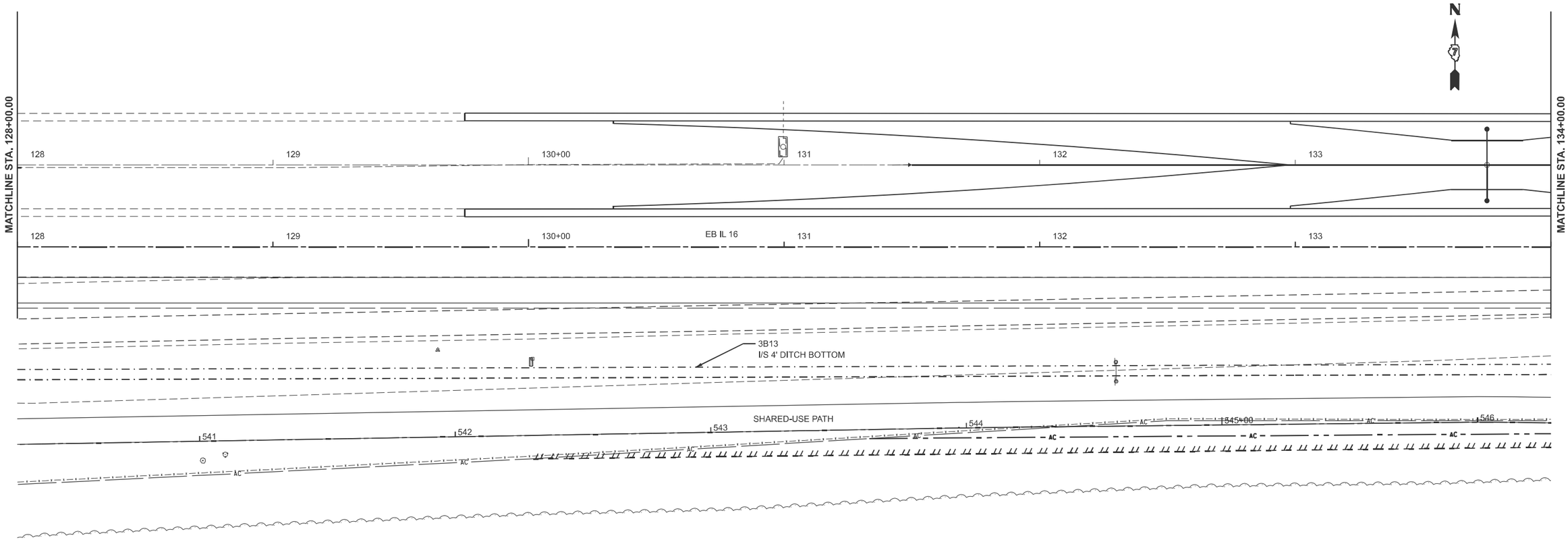
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 11 OF 47 SHEETS | STA. 122+00.00 TO STA. 128+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	490
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



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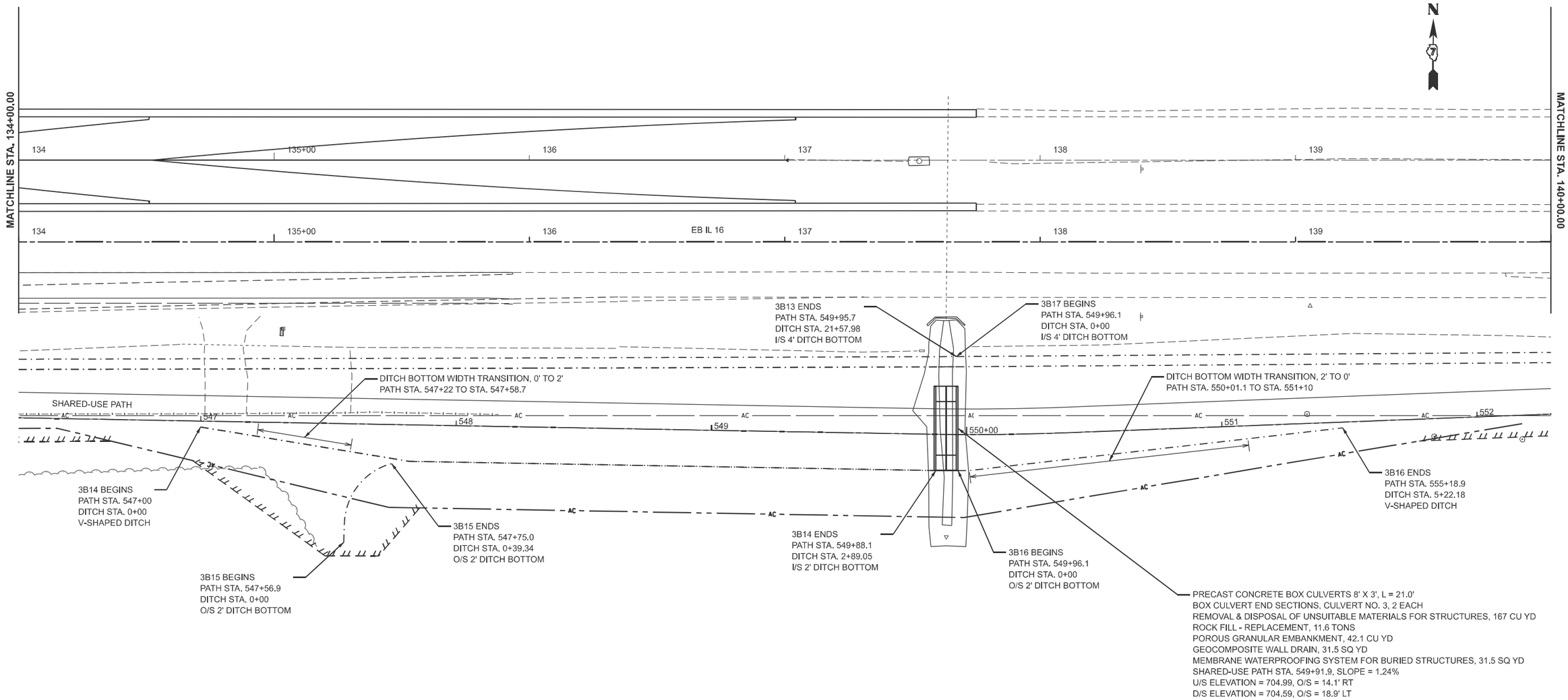
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 12 OF 47 SHEETS | STA. 128+00.00 TO STA. 134+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	491
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



PRECAST CONCRETE BOX CULVERTS 8' X 3', L = 21.0'
BOX CULVERT END SECTIONS, CULVERT NO. 3, 2 EACH
REMOVAL & DISPOSAL OF UNSUITABLE MATERIALS FOR STRUCTURES, 167 CU YD
ROCK FILL - REPLACEMENT, 11.6 TONS
POROUS GRANULAR EMBANKMENT, 42.1 CU YD
GEOCOMPOSITE WALL DRAIN, 31.5 SQ YD
MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES, 31.5 SQ YD
SHARED-USE PATH STA. 549+91.9, SLOPE = 1.24%
U/S ELEVATION = 704.99, O/S = 14.1' RT
D/S ELEVATION = 704.59, O/S = 18.9' LT

MODEL: Ex IL 16 - NewIL23 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzeklt\d0852852\D77435-sheets-Drainage-Stage3B.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
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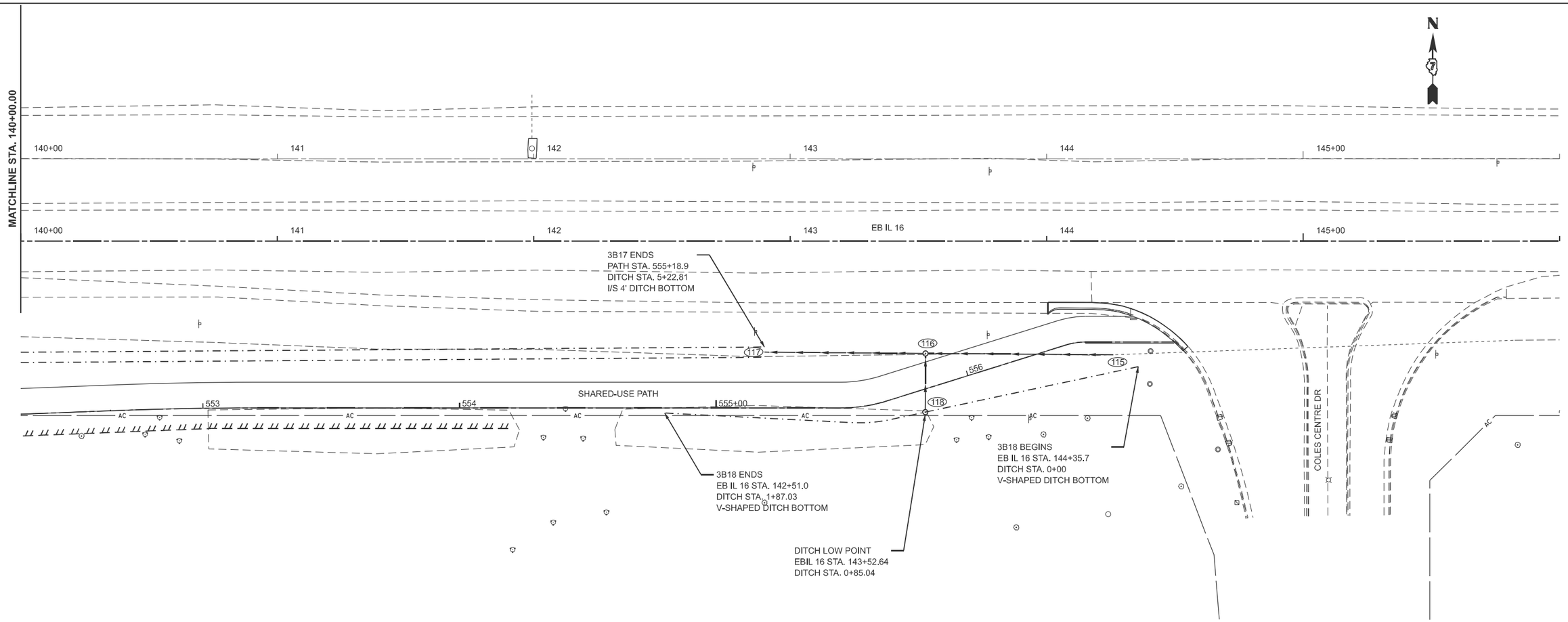
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 13 OF 47 SHEETS | STA. 134+00.00 TO STA. 140+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	492
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



DRAINAGE STRUCTURE SCHEDULE (EB IL 16)

PT	STATION (ALIGNMENT)	OFFSET	DESCRIPTION	LID/GRATE ELEVATION	INLET INVERT		INLET INVERT		OUTLET INVERT	
115	144+25.93 (EB IL 16)	44.32' RT	EXISTING 36" PIPE CULVERT EXTENSION	-	-	-	-	-	705.51	W
116	143+52.74 (EB IL 16)	43.77' RT	MH TY A 5', TY 1 FRAME, CLOSED LID	709.26	705.44	E	705.46	S	705.37	W
117	142+89.93 (EB IL 16)	43.30' RT	PRECAST CONC. FLARED END SECTION, 36"	-	-	-	-	-	705.43	W
118	143+52.64 (EB IL 16)	66.66' RT	INLET TY A, TY 8 F&G	707.46	-	-	-	-	705.65	N

STORM SEWER PIPE SCHEDULE (EB IL 16)

PT	TO	PT	PIPE SLOPE	STORM SEWERS, CL A, TY 1, 15"	STORM SEWERS, CL A, TY 1, 36"	TRENCH BACKFILL
			%	FEET	FEET	CU YD
115	TO	116	0.10	-	60.3	0.0
116	TO	117	0.10	-	60.3	0.0
118	TO	116	1.00	19.4	-	4.1

MODEL: Ex IL 16 - NewIL24 [Sheet]
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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
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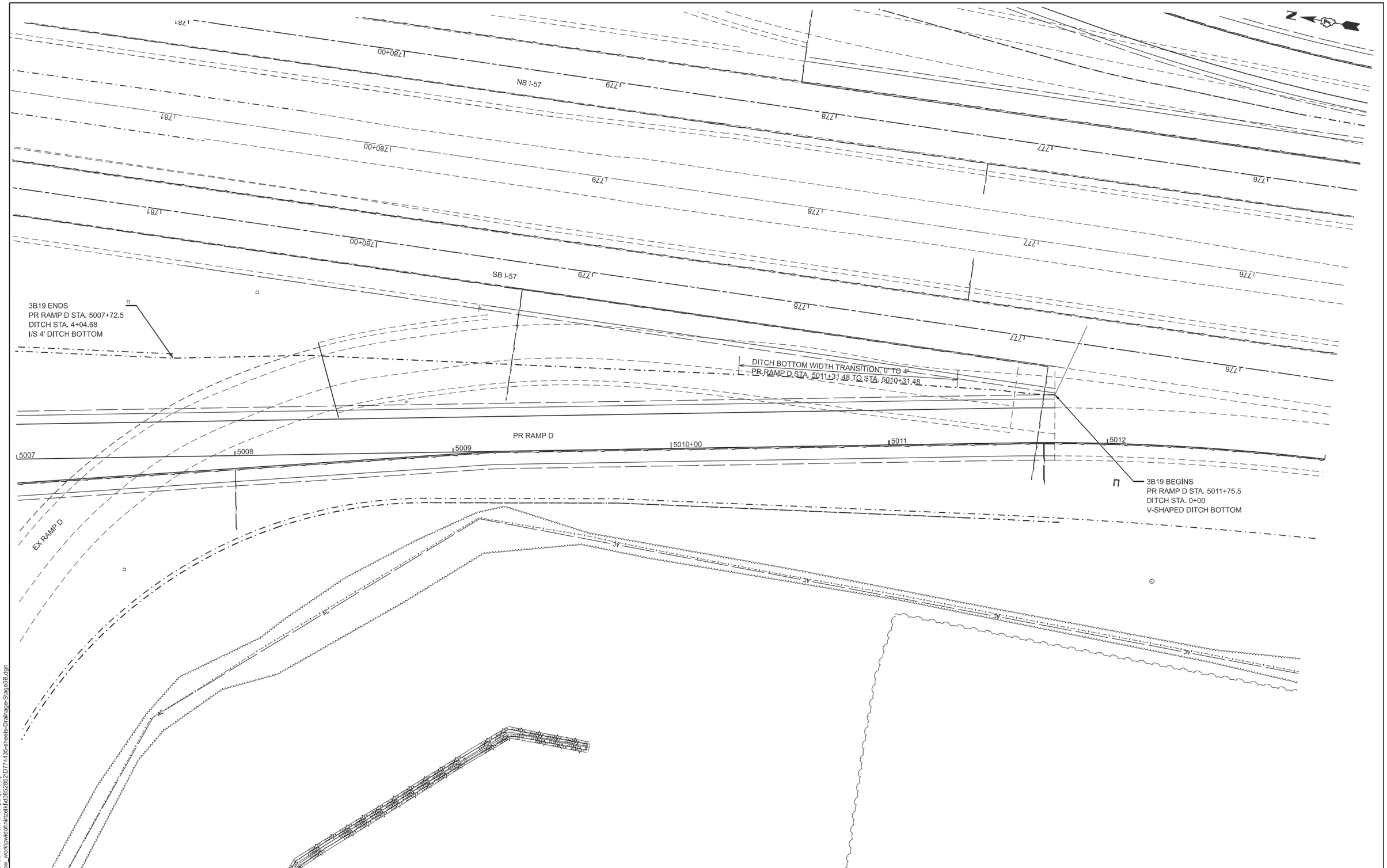
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 14 OF 47 SHEETS | STA. 140+00.00 TO STA. 146+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	493
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		



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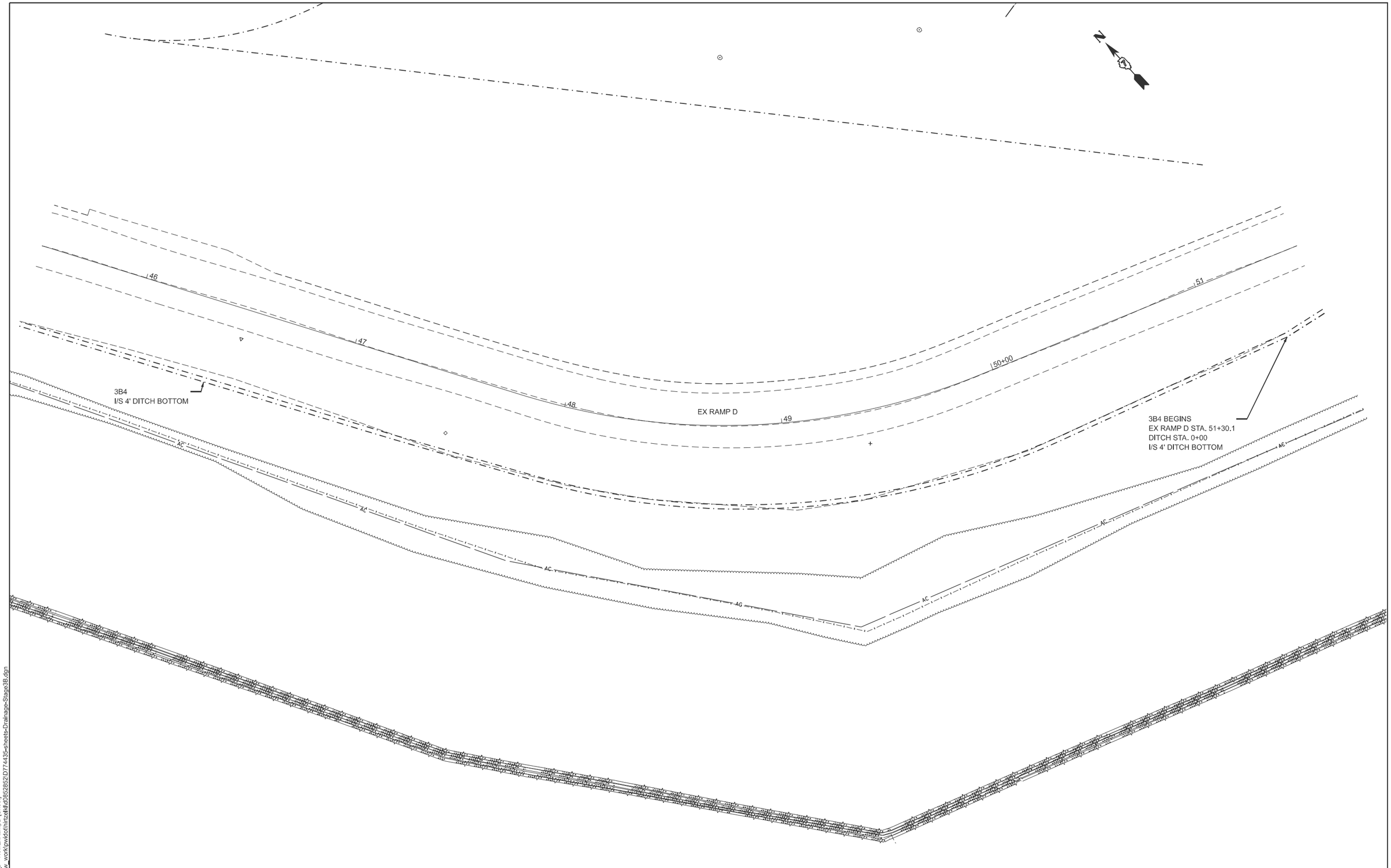
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: PR RAMP D

SCALE: 1"=20' | SHEET 15 OF 47 SHEETS | STA. 5007+00.00 TO STA. 5013+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	494
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



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PLOT DATE = 8/20/2024	DATE -	REVISED -	

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DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EX RAMP D

SCALE: 1"=20' | SHEET 16 OF 47 SHEETS | STA. 45+50.00 TO STA. 51+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	495
		CONTRACT NO. 74435		
		ILLINOIS FED. AID PROJECT		

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PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

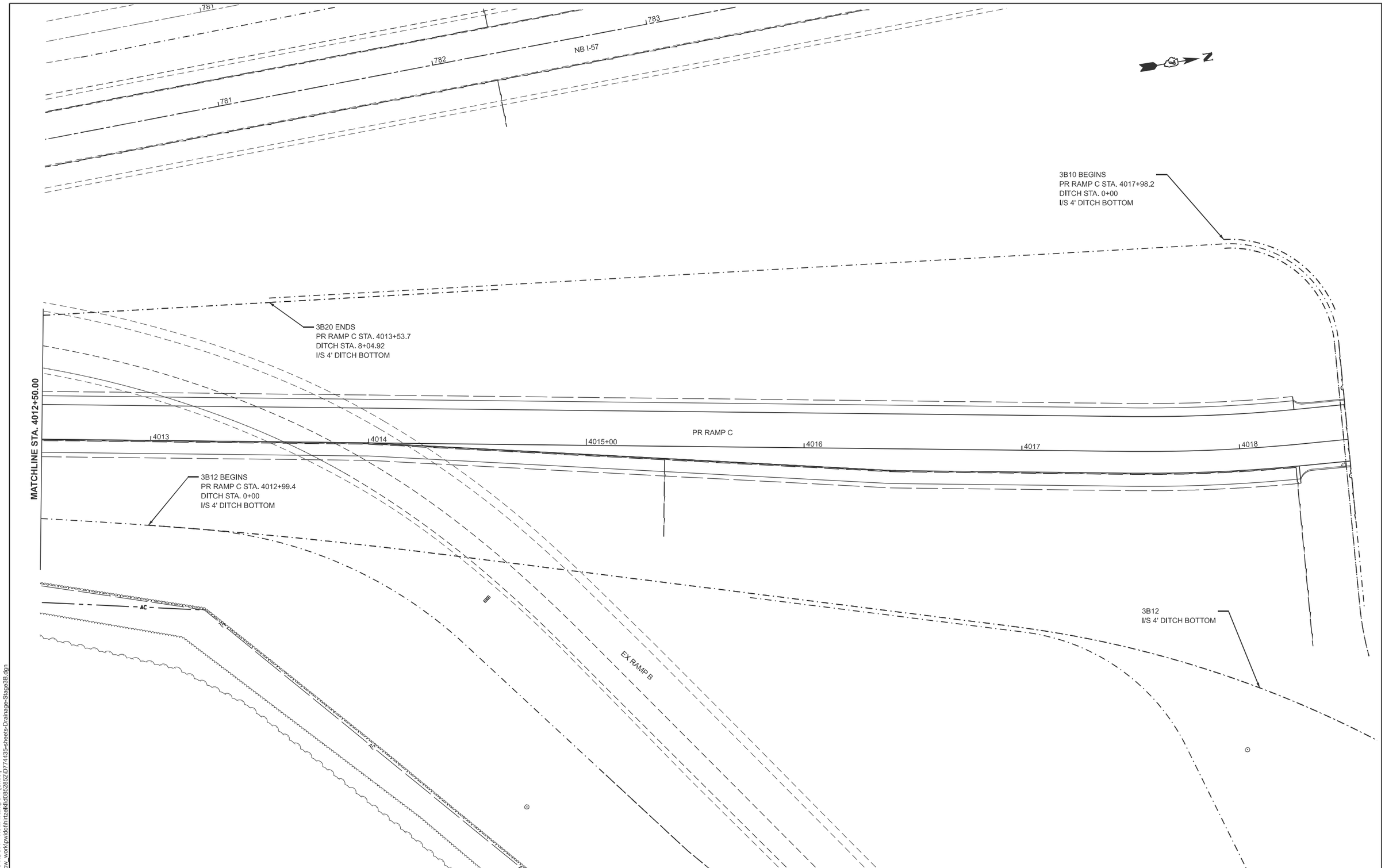
DRAINAGE PLAN & PROFILE
STAGE 3B: PR RAMP C

SCALE: 1"=20' | SHEET 17 OF 47 SHEETS | STA. 4006+50.00 TO STA. 4012+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	496

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



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PLOT DATE = 8/20/2024	DATE -	REVISED -	

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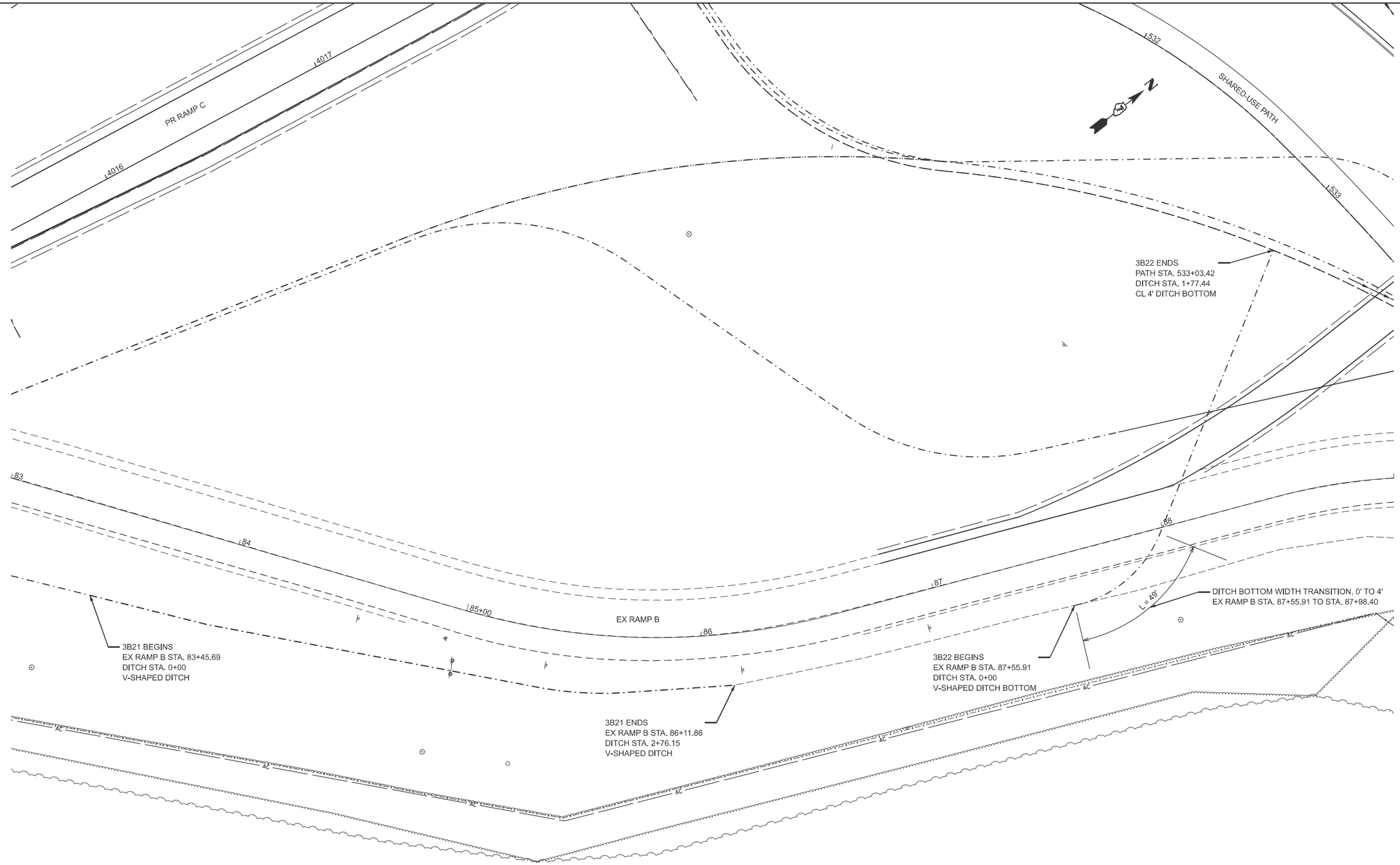
DRAINAGE PLAN & PROFILE
STAGE 3B: PR RAMP C

SCALE: 1"=20' | SHEET 18 OF 47 SHEETS | STA. 4012+50.00 TO STA. 4018+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	497
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



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PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
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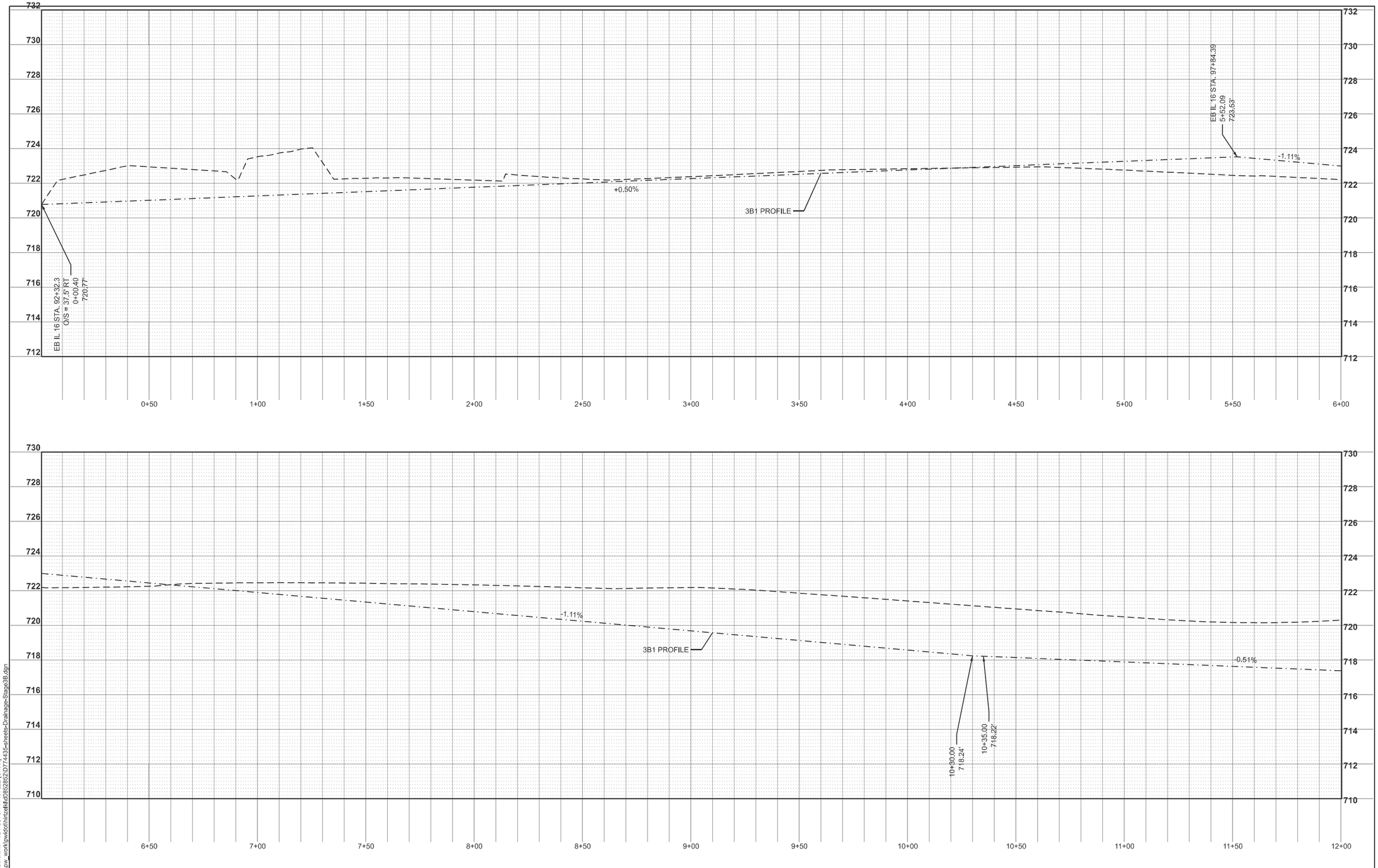
DRAINAGE PLAN & PROFILE
STAGE 3B: EX RAMP B

SCALE: 1"=20' | SHEET 19 OF 47 SHEETS | STA. 83+00.00 TO STA. 89+00.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	498

CONTRACT NO. 74435

ILLINOIS | FED. AID PROJECT



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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
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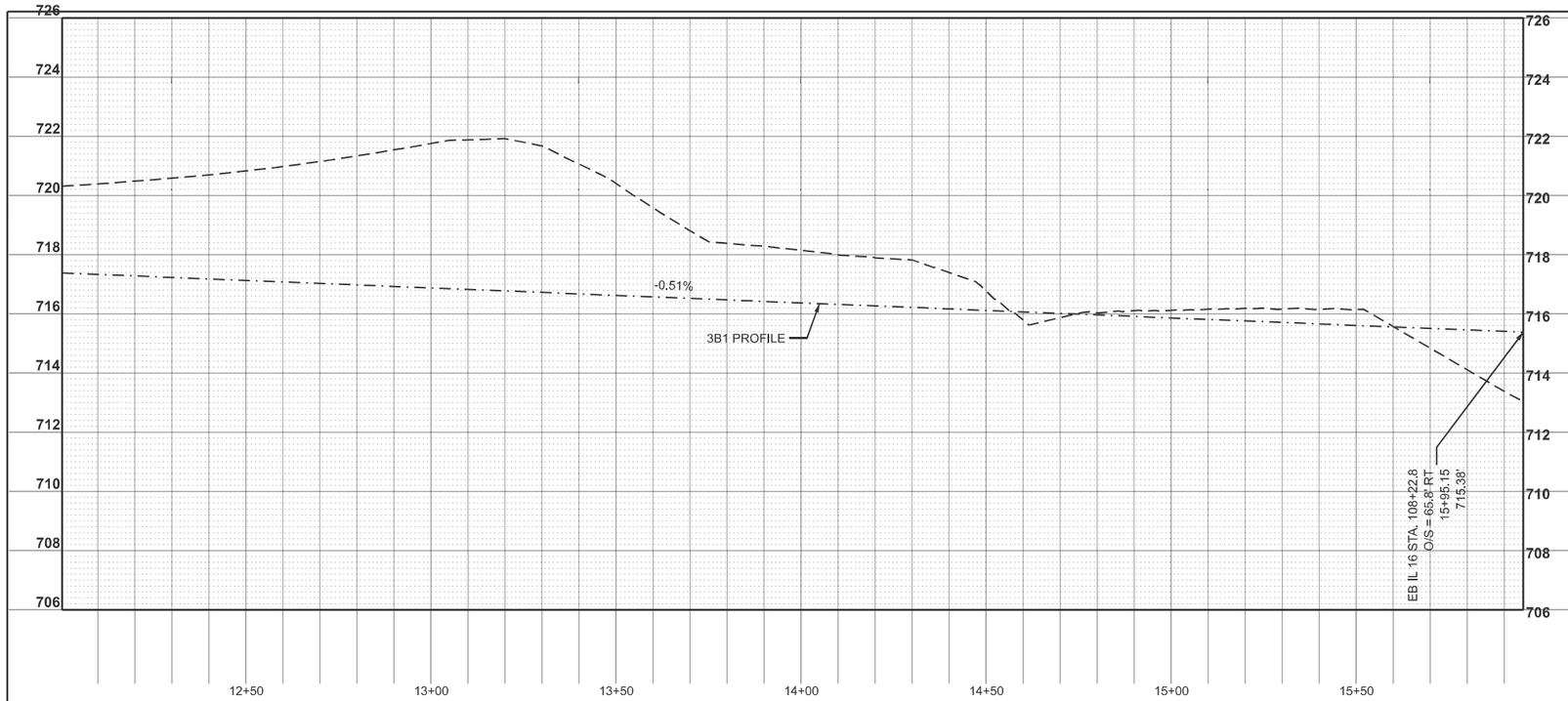
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: 3B1 DITCH PROFILE

SCALE: 1"=20' | SHEET 20 OF 47 SHEETS | STA. 0+00.40 TO STA. 12+00.40

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	499
		CONTRACT NO. 74435		
		ILLINOIS	FED. AID PROJECT	



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USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

DRAINAGE PLAN & PROFILE
STAGE 3B: 3B1 DITCH PROFILE

SCALE: 1"=20' | SHEET 21 OF 47 SHEETS | STA. 12+00.40 TO STA. 15+95.15

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(15-22HB-4)BR (15-22)R	COLES	1086	500
		CONTRACT NO. 74435		
	ILLINOIS	FED. AID PROJECT		