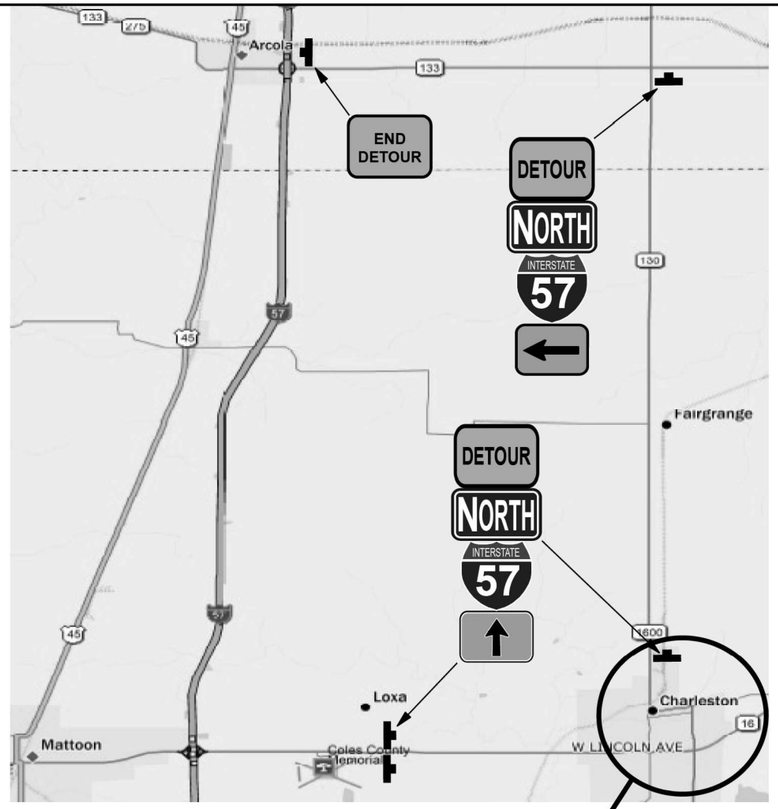

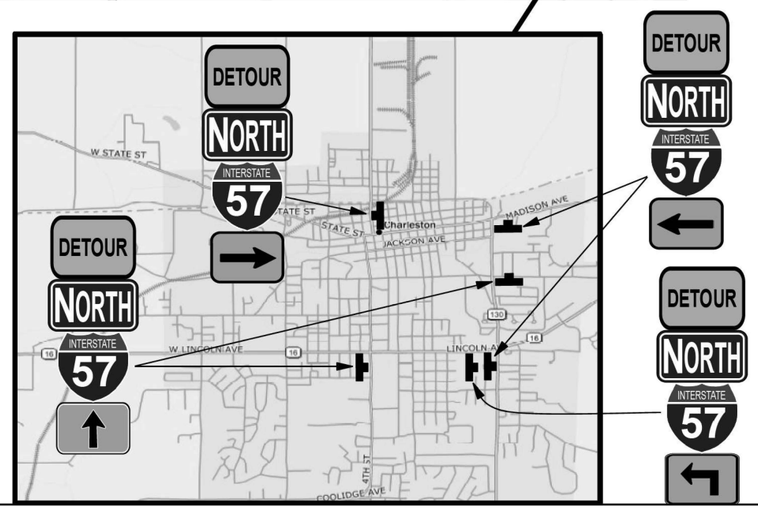

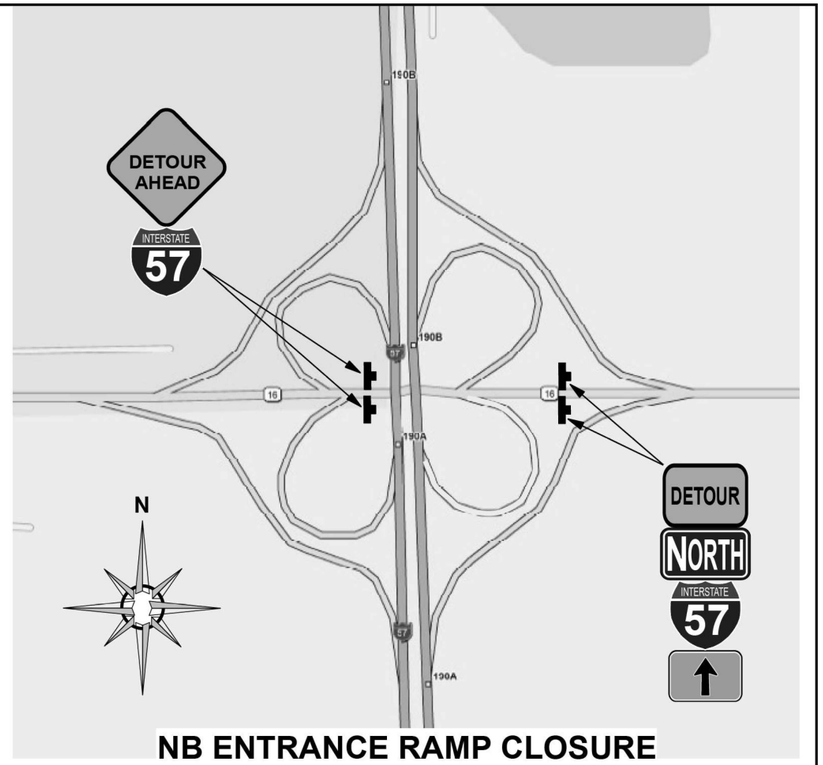

NB ENTRANCE RAMP CLOSURE

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.

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MODEL: Detour Signing Details [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelkl\d0852852\D777435-sheets-DetourSigning.dgn

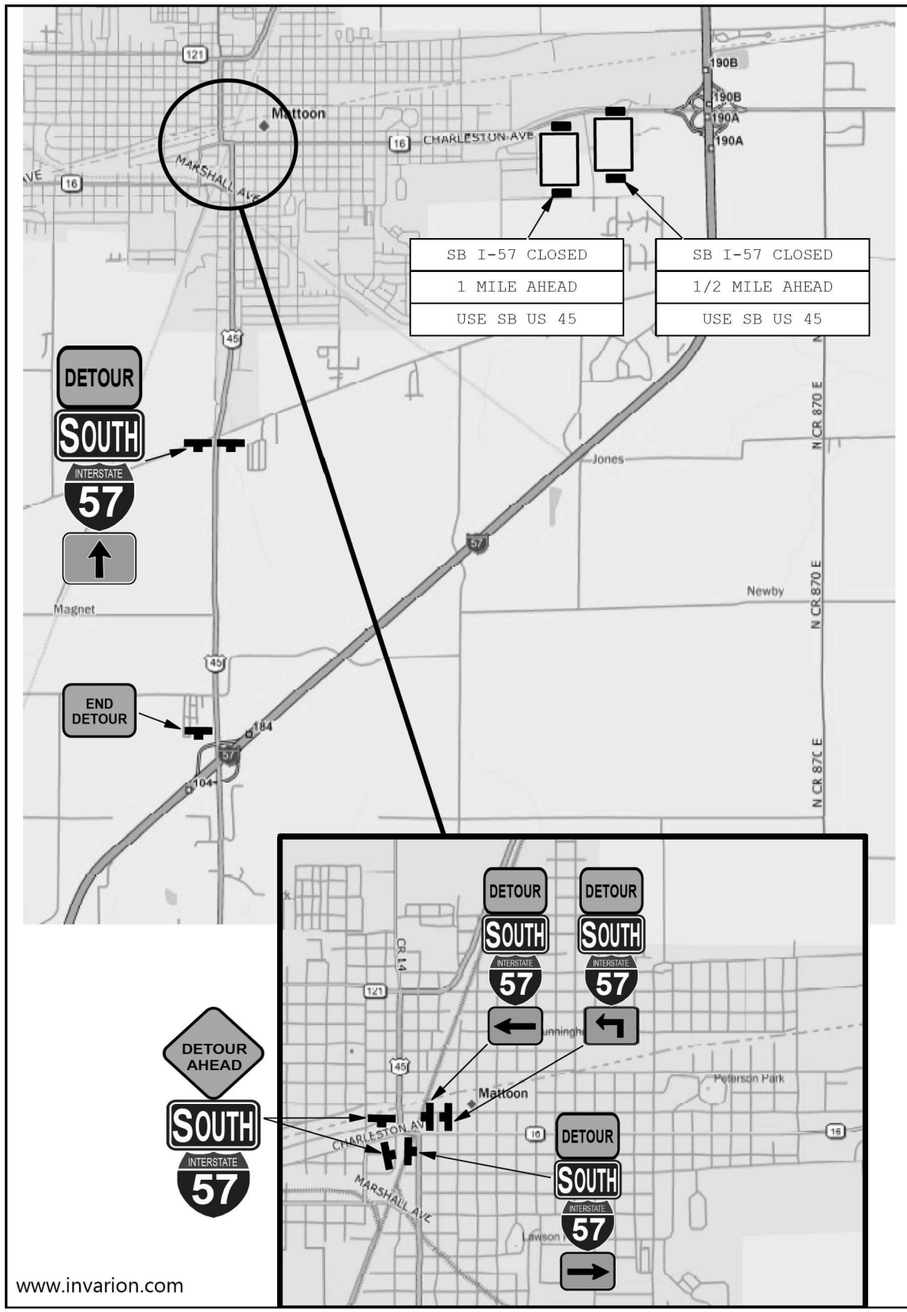
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 4/24/2024	DATE -	REVISED -

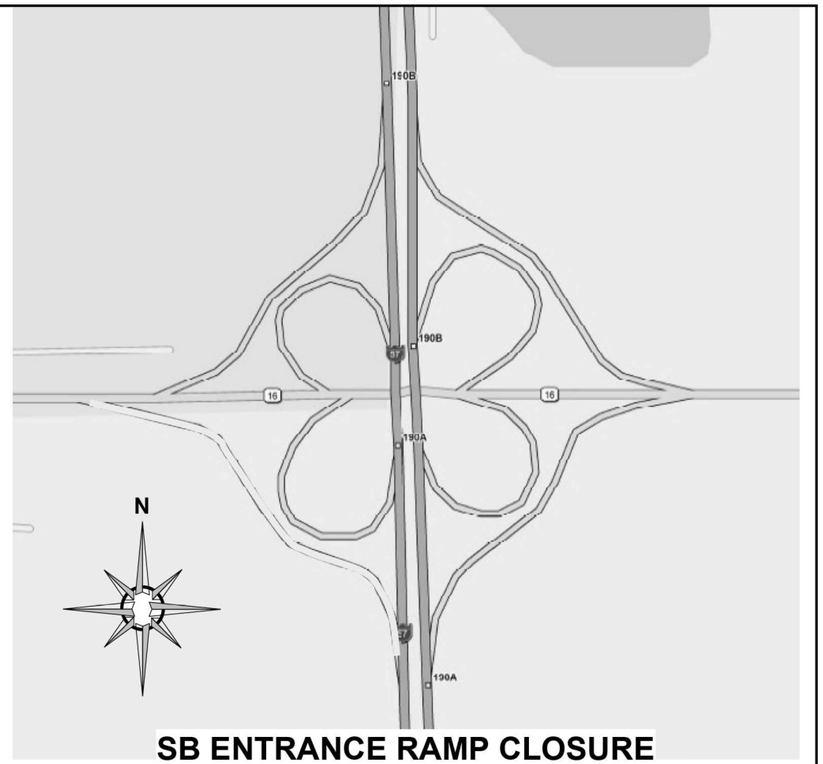
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.

MODEL: Detour Signing Details-1 [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelkl\d0852852\D7744435-sheets-DetourSigning.dgn

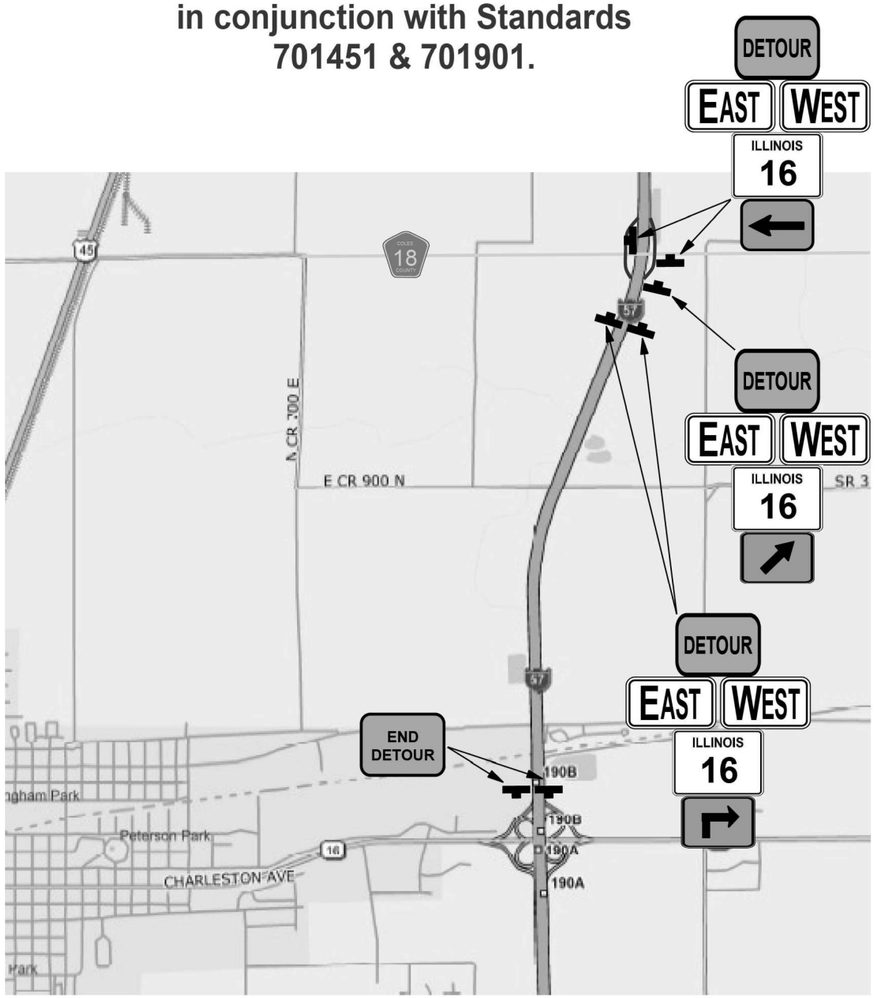
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

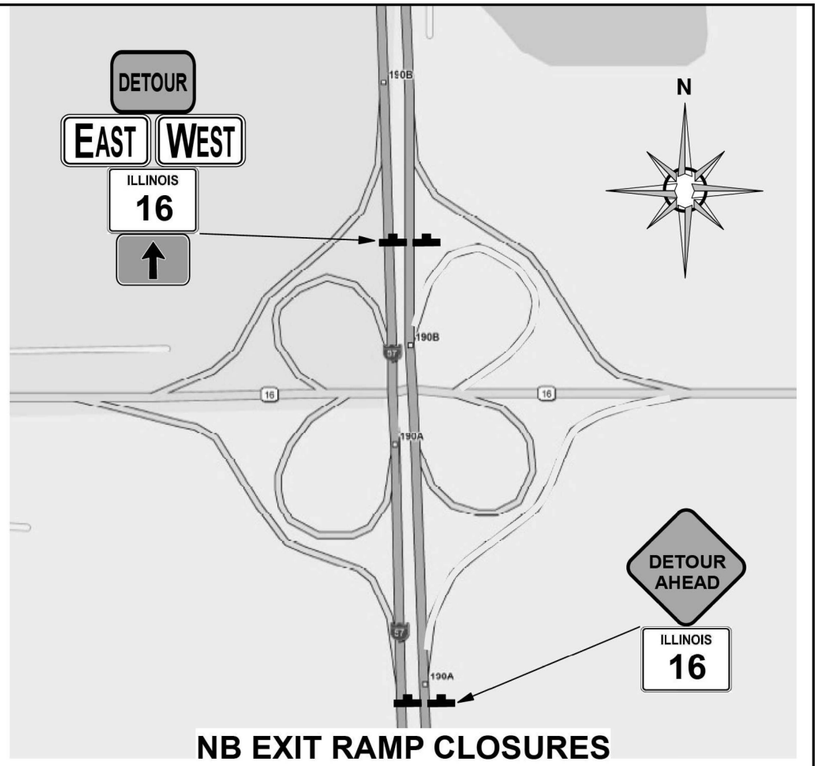
DETOUR SIGNING DETAILS

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	

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MODEL: Detour Signing Details-2 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel\d08528521D774435-sheets-DetourSigning.dgn

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

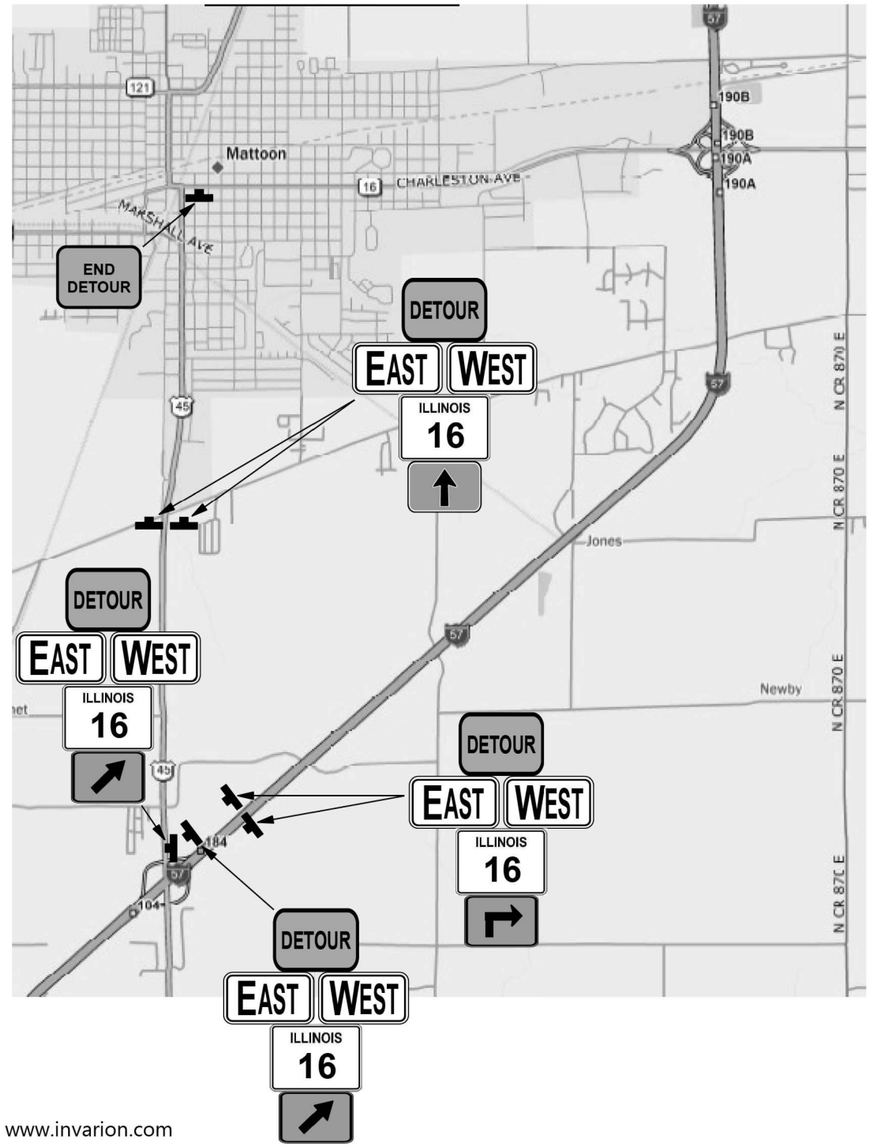
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

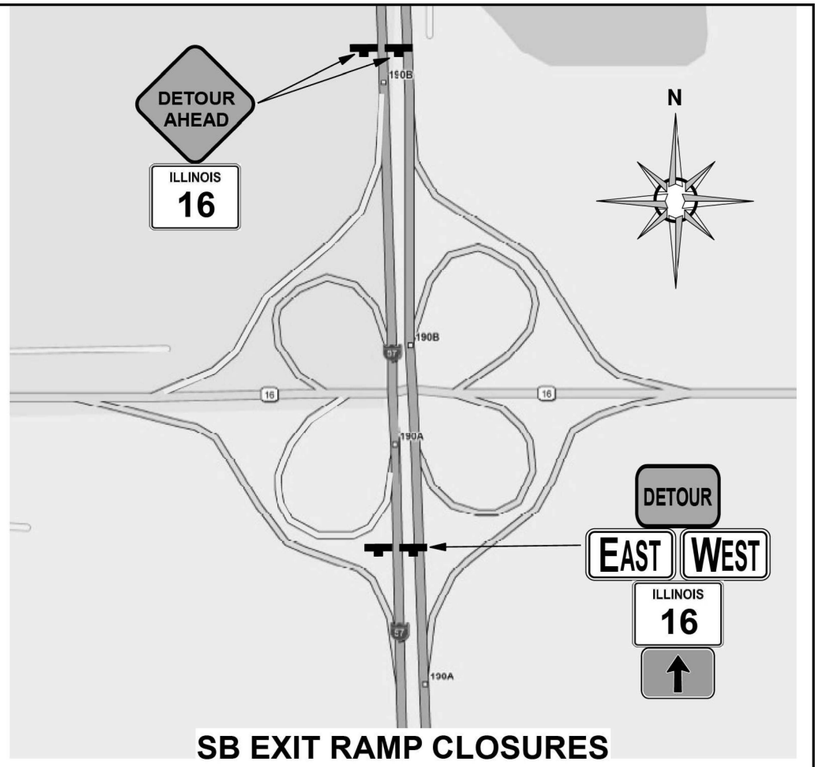
DETOUR SIGNING DETAILS

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	

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MODEL: Detour Signing Details-3 [Sheet]
FILE NAME: c:\pw_work\pwd0thirtzelkl\d0852852\D777435-sheets-DetourSigning.dgn

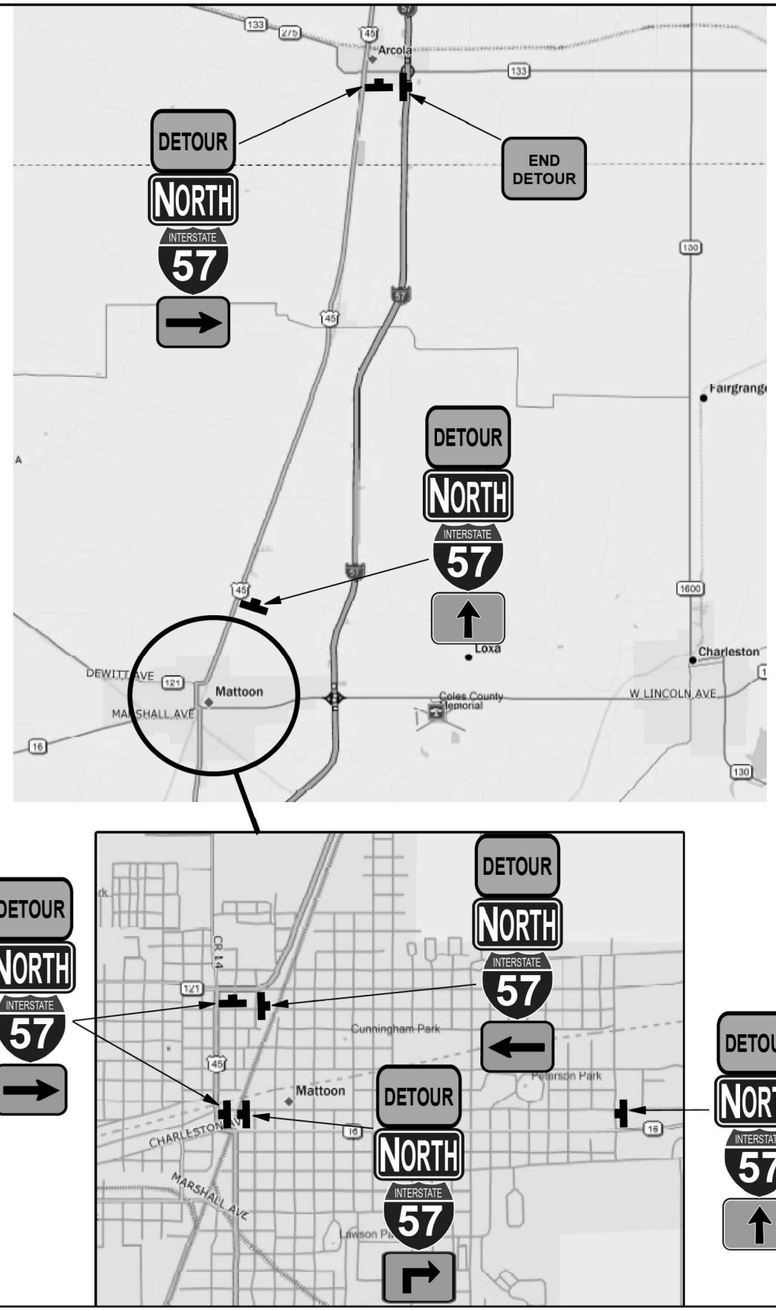
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

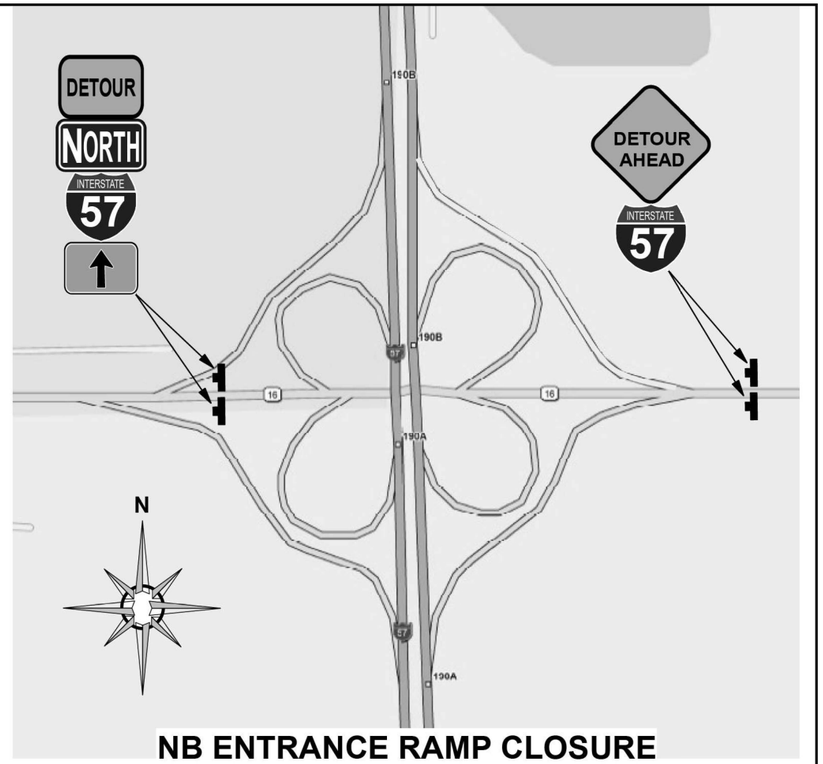
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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.

www.invarion.com

MODEL: Detour Signing Details-4 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D1774435-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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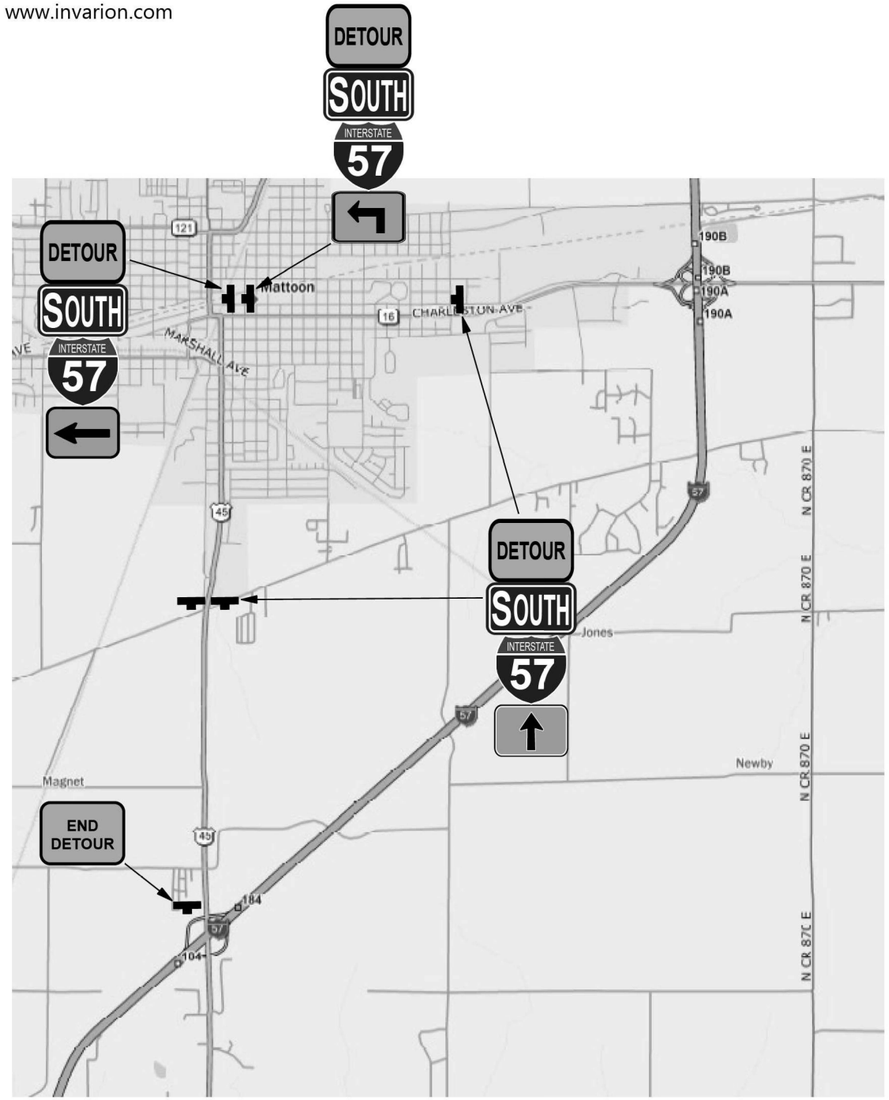

Closure of Exit 190 Ramps shall be in conjunction with Standards 701451 & 701901.



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]
FILE NAME: c:\pw_work\pwdot\hirtzelkl\d0852852\D777435-sheets-DetourSigning.dgn

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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			

PIPE CULVERTS, TYPE 1 18" (TEMPORARY)
TRENCH BACKFILL, 7.1 CU YD
L = 92.2', SLOPE = -1.14%
STA. 107+87.6, RT O/S = 0.1', ELEVATION = 717.41
STA. 108+79.9, RT O/S = 0.5', ELEVATION = 716.36

PIPE CULVERTS, TYPE 1 36" (TEMPORARY)
TRENCH BACKFILL, 4.2 CU YD
STA. 9003+84.3, L = 61.8', SLOPE = -0.05%
LT O/S = 44.0', ELEVATION = 715.46
RT O/S = 17.7', ELEVATION = 715.15

PIPE CULVERTS, TYPE 2 15" (TEMPORARY)
TRENCH BACKFILL, 12.1 CU YD
STA. 6002+77.4, L = 63.3', SLOPE = -1.43%
RT O/S = 38.8', ELEVATION = 715.14
LT O/S = 24.5', ELEVATION = 714.24

PIPE CULVERTS, TYPE 1 36" (TEMPORARY)
TRENCH BACKFILL, 4.2 CU YD
STA. 9003+87.4, L = 62.9', SLOPE = -0.05%
LT O/S = 45.1', ELEVATION = 715.47
RT O/S = 17.7', ELEVATION = 715.15

6001
6002
6003
NW TEMPORARY RAMP
9004
9003
SW TEMPORARY RAMP
9002
110+00
109
108
107
WB IL 16
EB IL 16
5%
3%

MODEL: NW Temp Ramp - NW SW Temp Ramp [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzel\d08528\D7744\35-sheets-Drainage-Pre-Stage.dgn

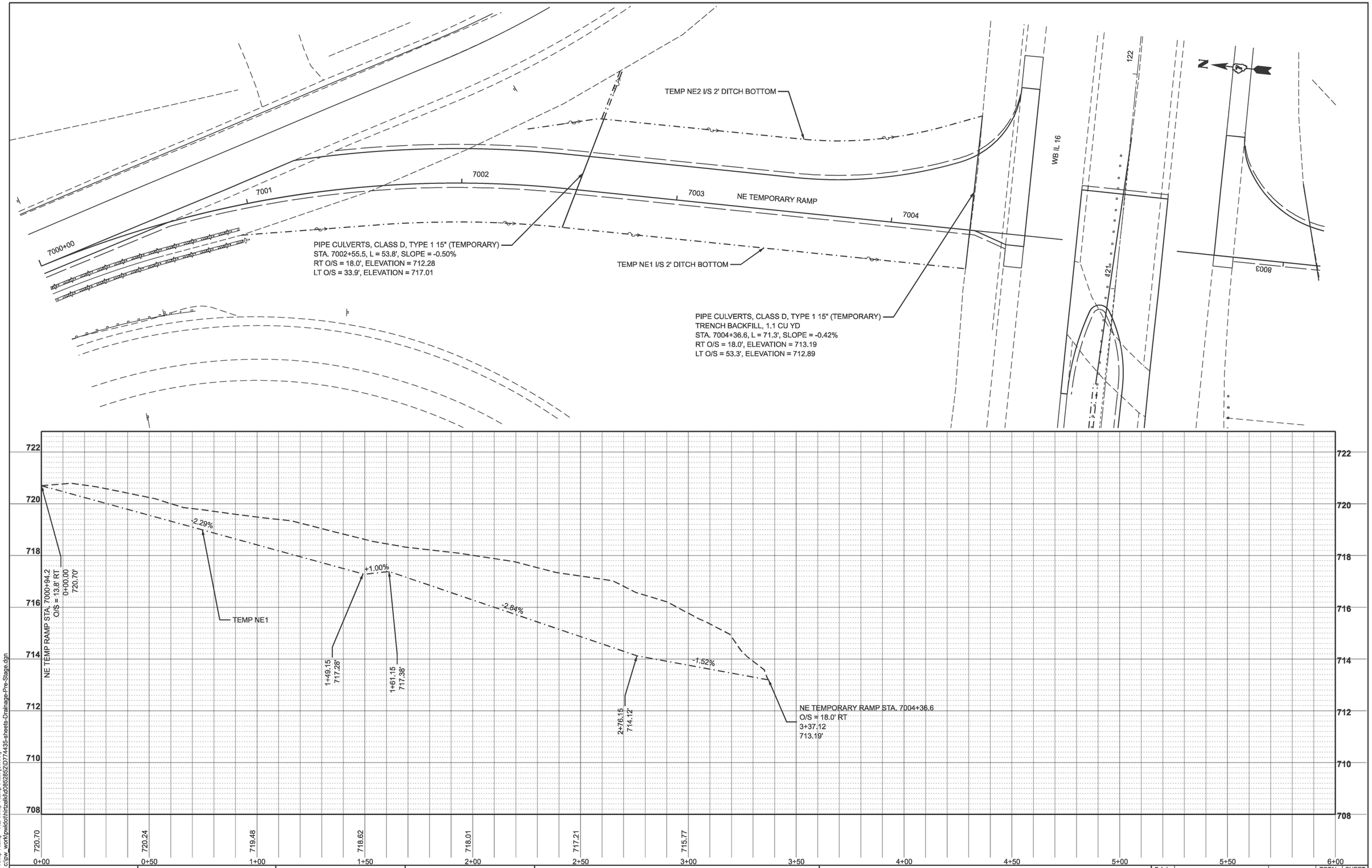
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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\pwdot\hirtzelkld\d0852852\D7744435-sheets-Drainage-Pre-Stage.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
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\pwdot\hirtzelkl\d0852852\D1774435-sheets-Drainage-Pre-Stage.dgn

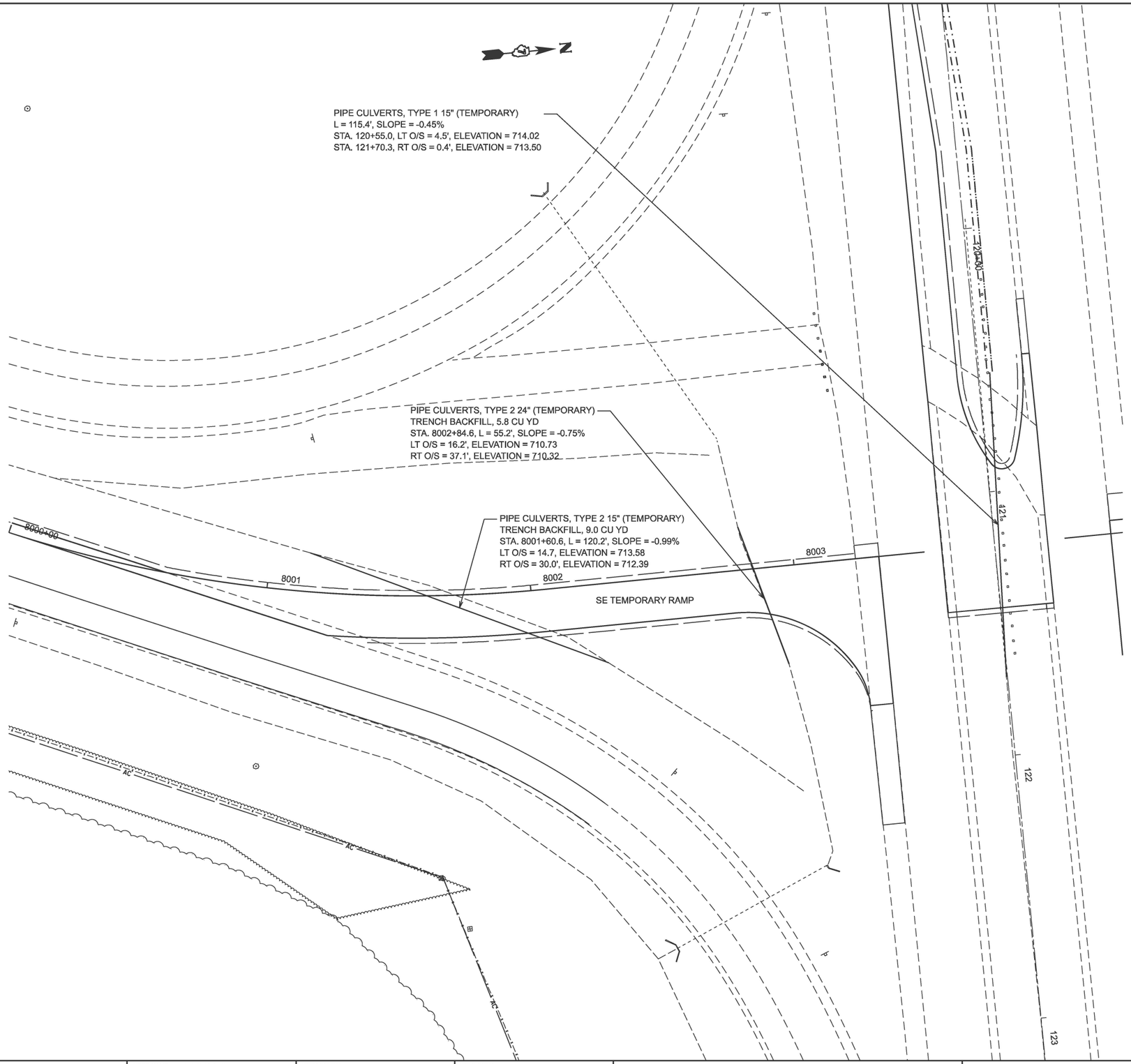
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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\hirtzelkl\d0852852\D774435-sheets-Drainage-Pre-Stage.dgn

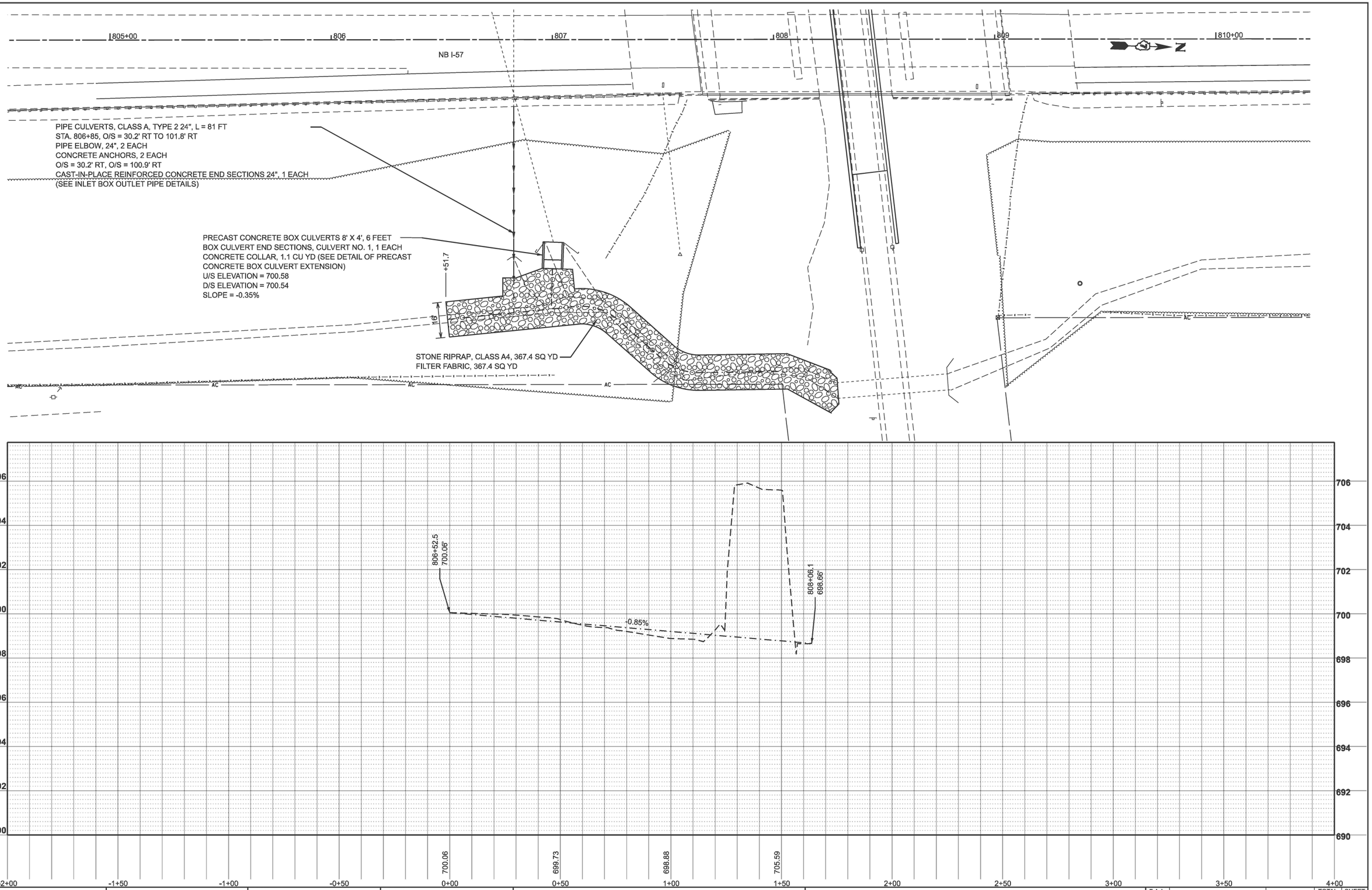
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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]
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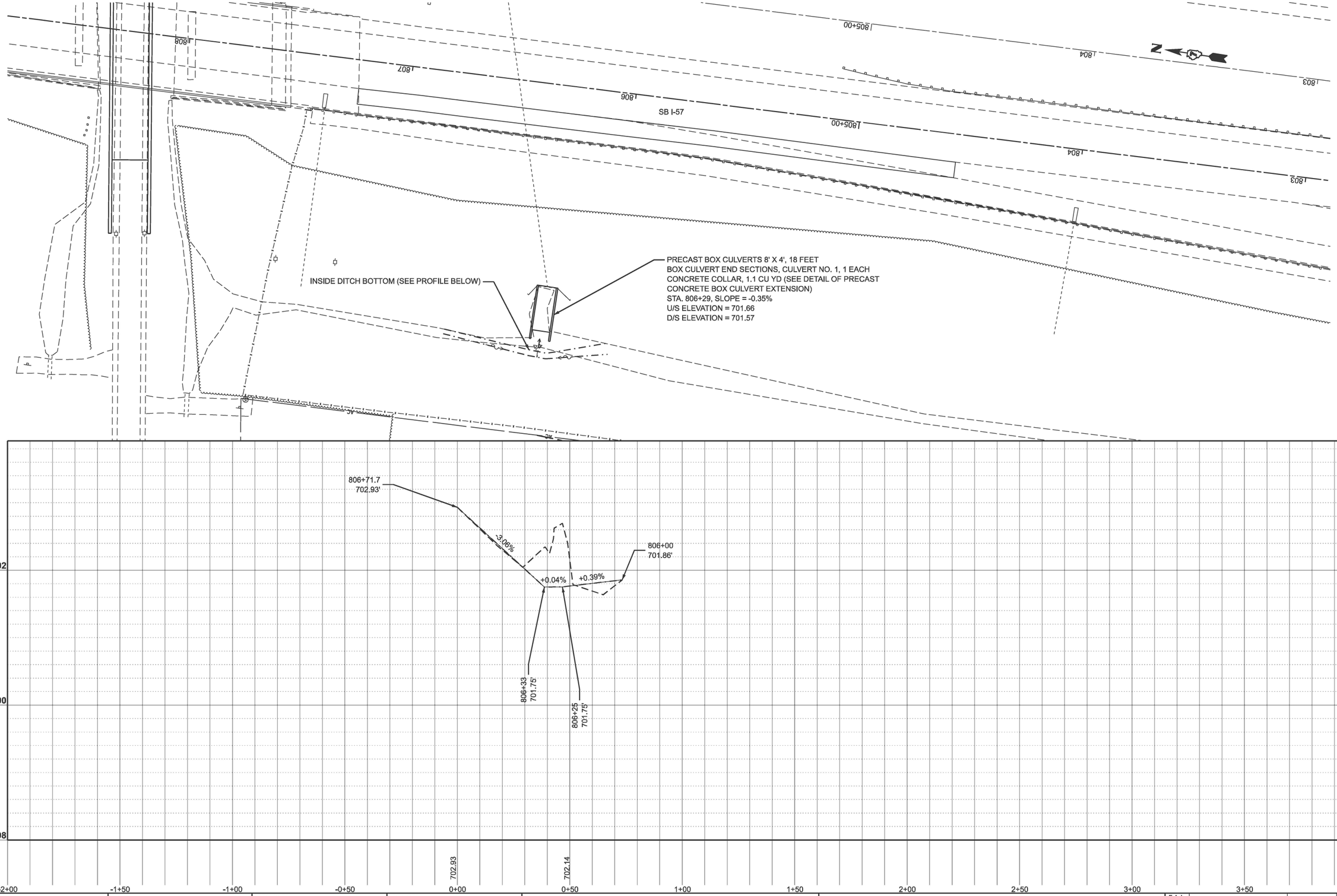
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 2/23/2026	DATE -	REVISED -	

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\pwdot\hirtzelk\d0852852\D774435-sheets-Drainage-Pre-Stage.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
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			

STONE RIPRAP, CLASS A3, 14.4 SQ YD
FILTER FABRIC, 14.4 SQ YD

PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND SIZE 42", L = 119.5'
PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 42", 2 EACH
TEMPORARY SOIL RETENTION SYSTEM, 98 SQ FT
TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION, 34 FEET (UPSTREAM END SECTION)
TRENCH BACKFILL, 32.5 CU YD (EB IL 16), 45.1 CU YD (WB IL 16)
EX IL 16 STA. 92+32.6 SLOPE = 0.76%
U/S ELEVATION = 720.54, O/S = 62.17' RT
D/S ELEVATION = 719.52, O/S = 73.33' LT

N

AC

SWORDS DR.

10'

13'

WB IL 16

88 89 90+00 91 92 93

EB IL 16

SWORDS DR.

AC

MODEL: Ex IL 17 - IL16 42in ERS Pipe [Sheet]
FILE NAME: c:\pw_work\pwidot\thirtzelk\d0852852\D7744435-sheets-Drainage-Pre-Stage.dgn

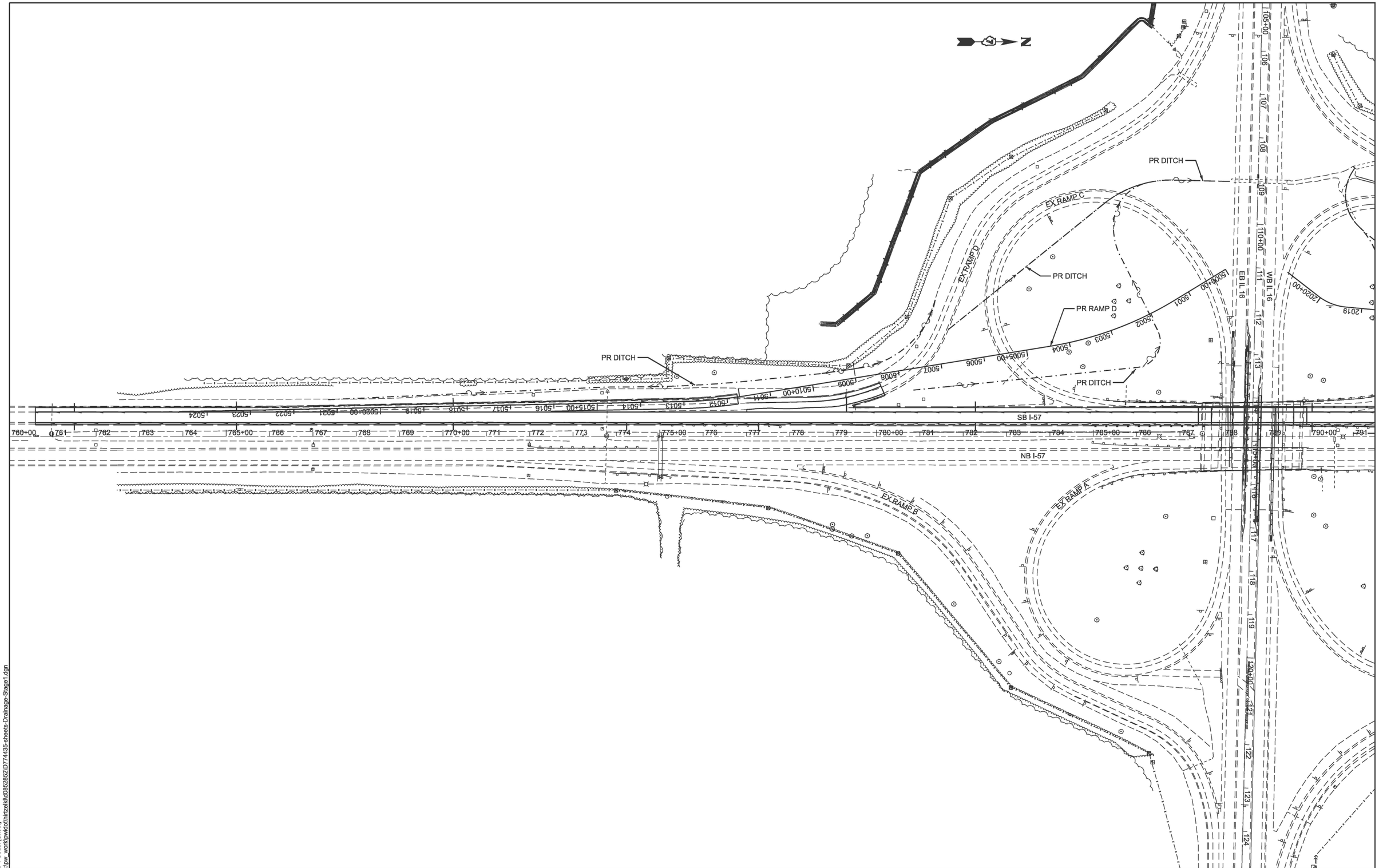
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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\hirtzel\d08528521D774435-sheets-Drainage-Stage1.dgn

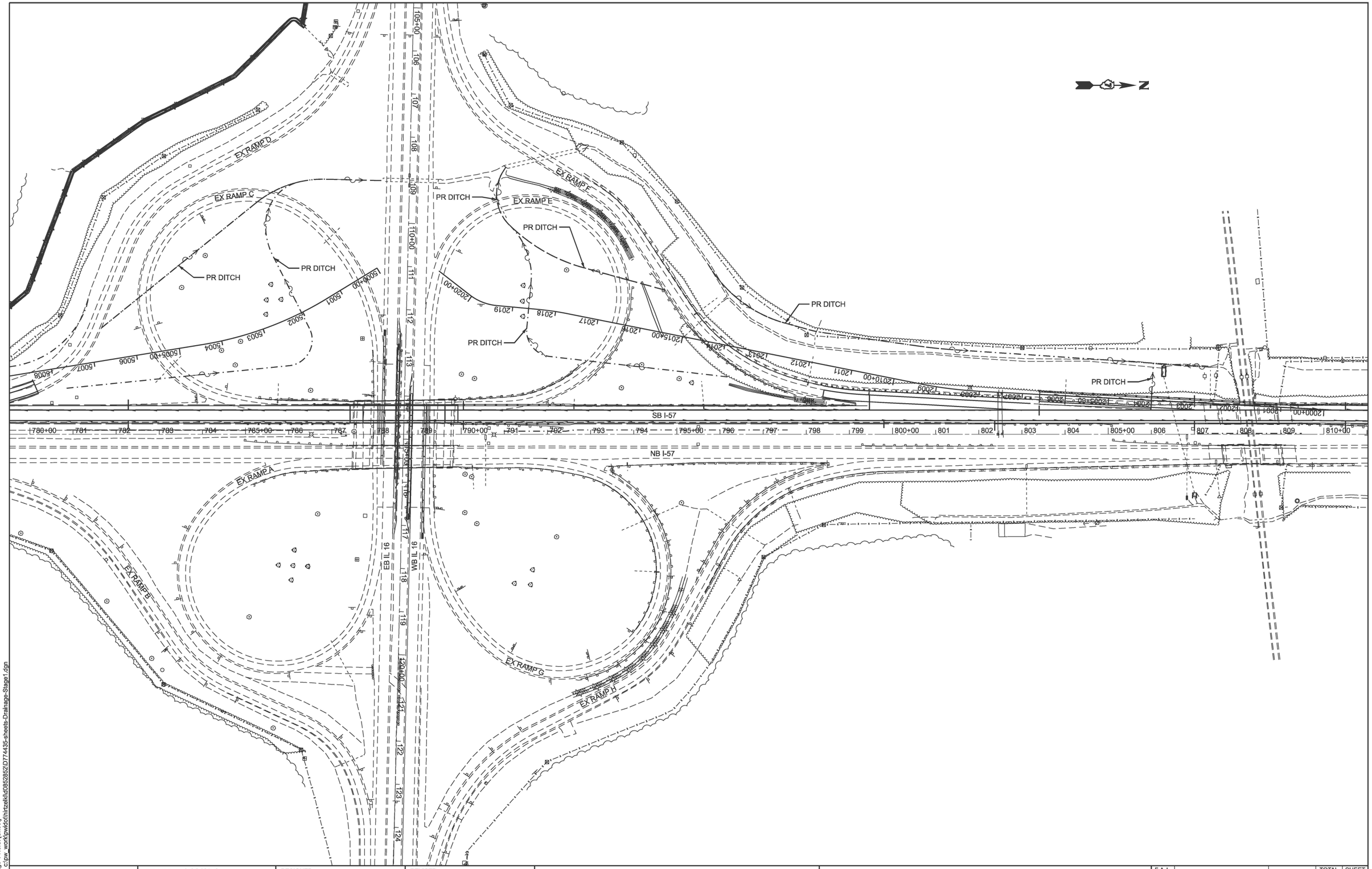
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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\hirtzelk\d0852852\D774435-sheets-Drainage-Stage1.dgn

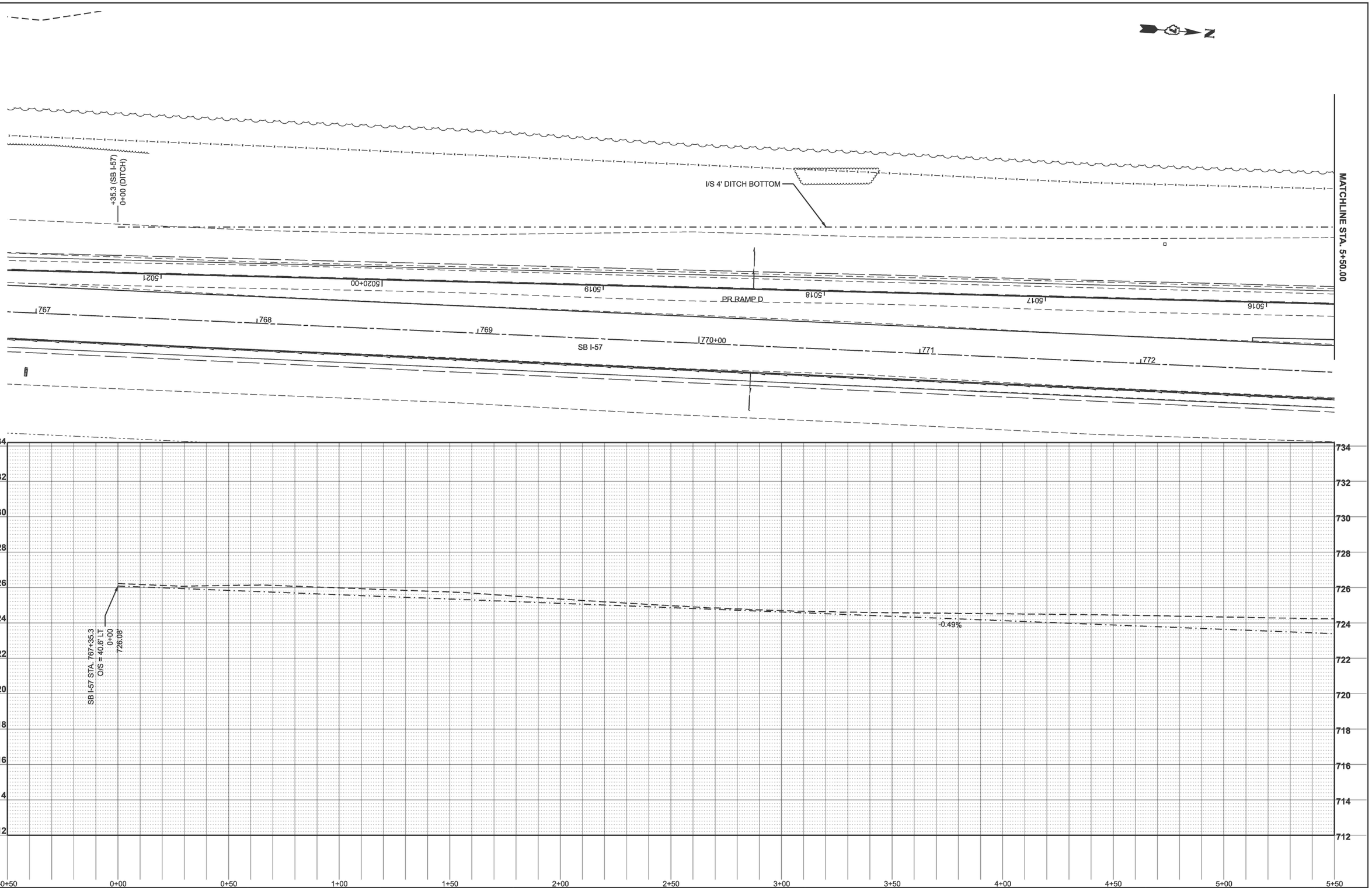
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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: GrDlot11 - S SB 57 LT Ditch Plan [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage1.dgn

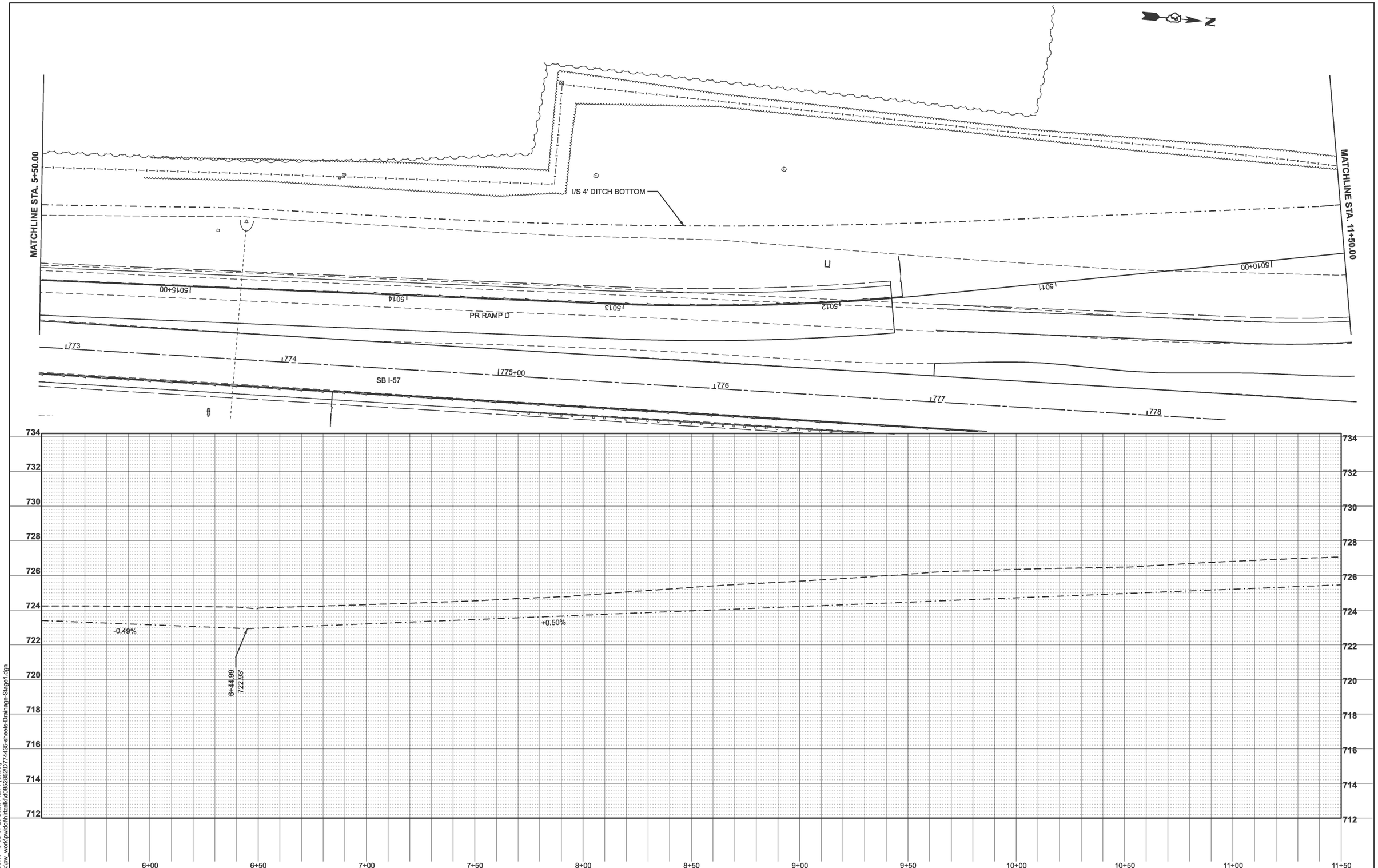
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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]
FILE NAME: c:\pw_work\pwdot\hirtzelkld\d0852852\D7744435-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 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			

MATCHLINE STA. 11+50.00

DITCH SUMMIT
PR RAMP D STA. 5009+00
DITCH STA. 12+11.42

I/S 4' DITCH BOTTOM

PR RAMP D

51+30 (EX RAMP D)
14+80.59 (DITCH)

N

+0.50%

-1.81%

-1.12%

12+17.42
725.79

13+02.98
724.25

EX RAMP D STA. 51+30
O/S = 35.0' RT
14+80.59
722.26'

734
732
730
728
726
724
722
720
718
716
714
712

12+00 12+50 13+00 13+50 14+00 14+50 15+00 15+50 16+00 16+50 17+00 17+50

MODEL: GrDBot11 - S SB 57 LT Ditch Plan-2 [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelkld\d0852852\D7744435-sheets-Drainage-Stage1.dgn

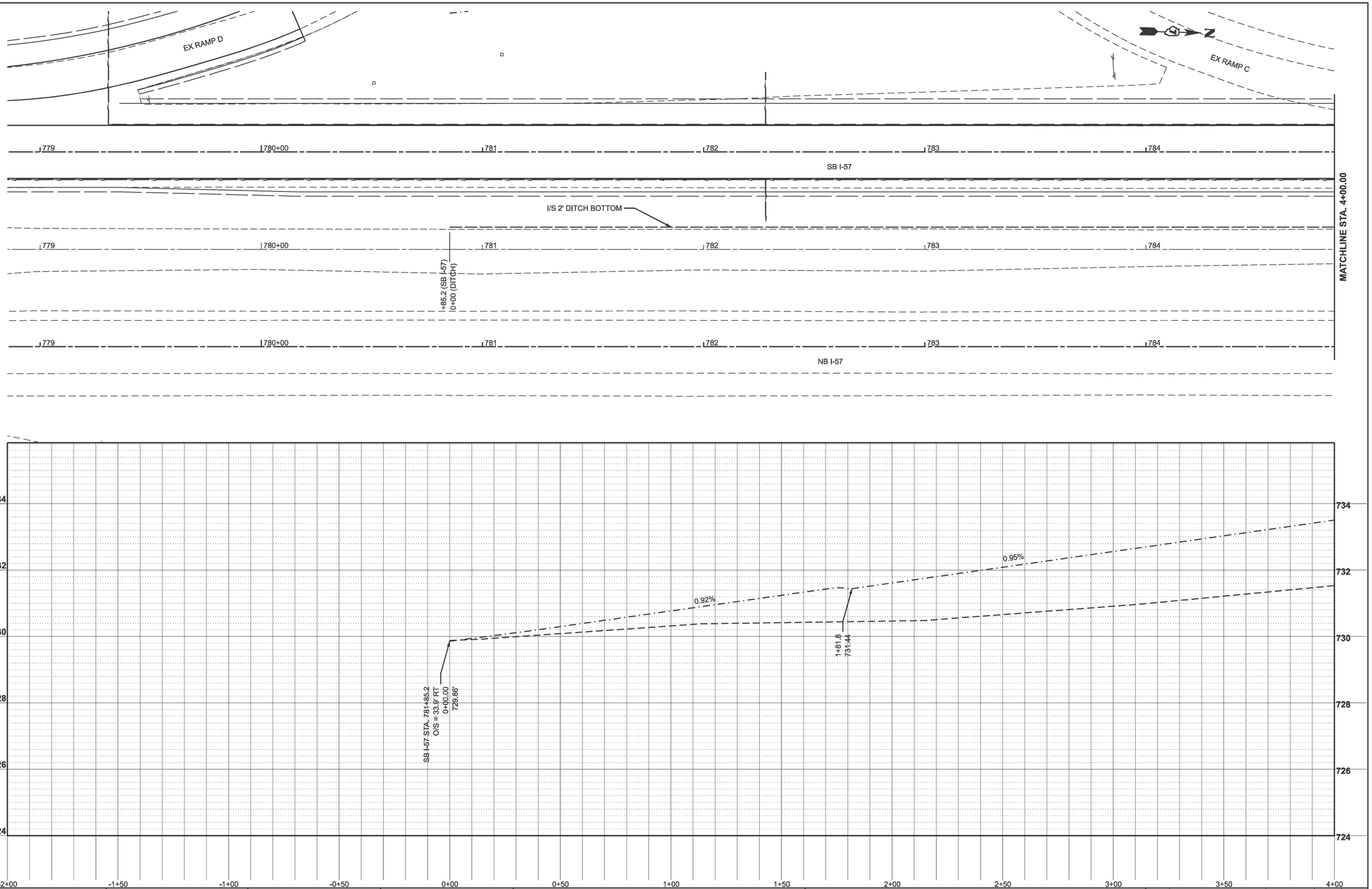
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: 1"=20' | SHEET 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\hirtzelkl\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			

MATCHLINE STA. 4+00.00

785+00 786 787 788 789 790+00

SB I-57

I/S 2' DITCH BOTTOM

785+00 786 787 788 789 790+00

+20 (SB I-57)
6+34.78 (DITCH)

785+00 786 787 788 789 790+00

NB I-57

738 736 734 732 730 728

SB I-57 STA. 787+20
O/S = 33.9' RT
6+34.78
735.83'

4+50 5+00 5+50 6+00 6+50 7+00 7+50 8+00 8+50 9+00 9+50 10+00

MODEL: S SB57 MEDIAN - S SB57 MEDIAN DITCH PLAN-3 [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelk\d08528252\D774435-sheets-Drainage-Stage1.dgn

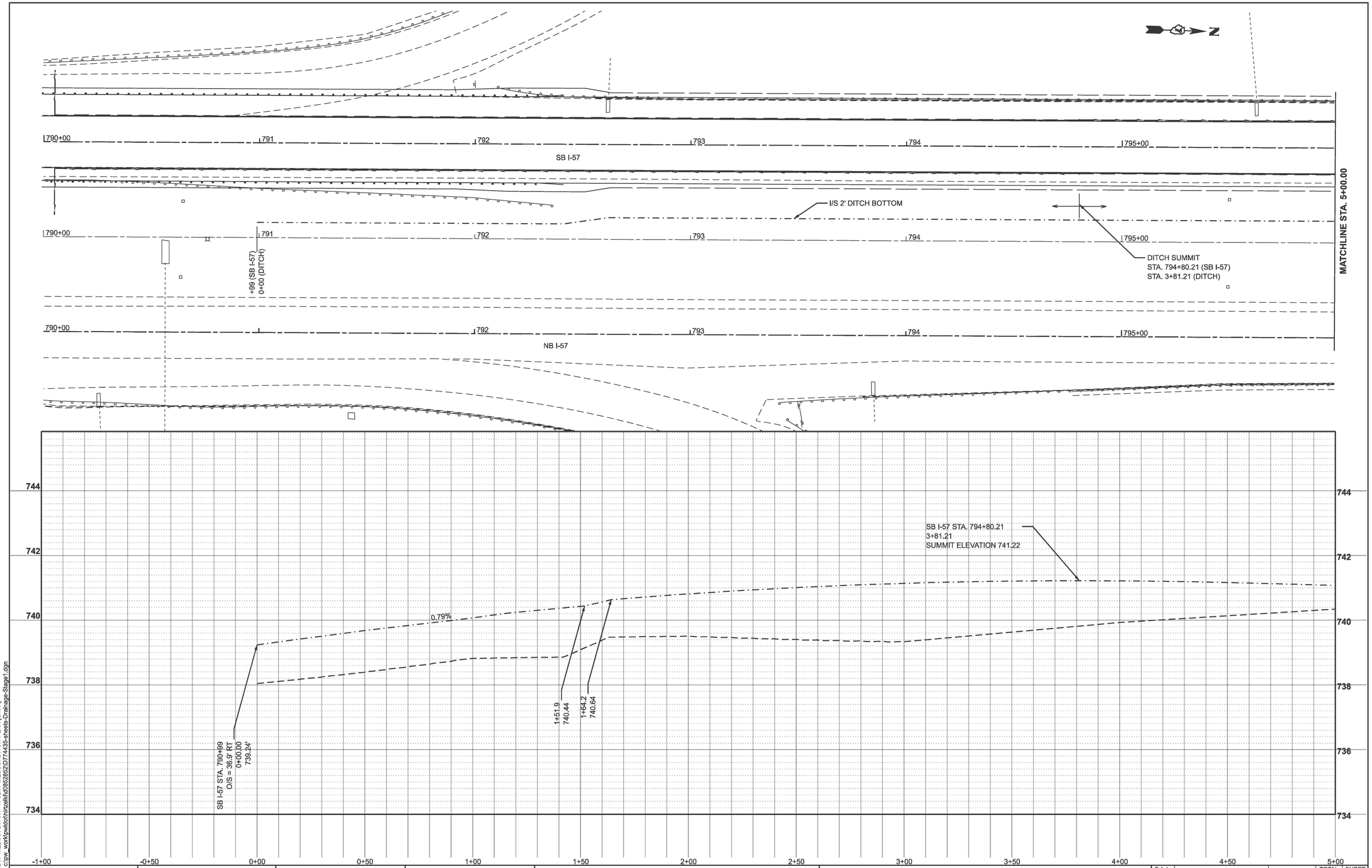
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57

SCALE: 1"=20' | SHEET 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\hirtzelkl\d0852852\D7744335-sheets-Drainage-Stage1.dgn

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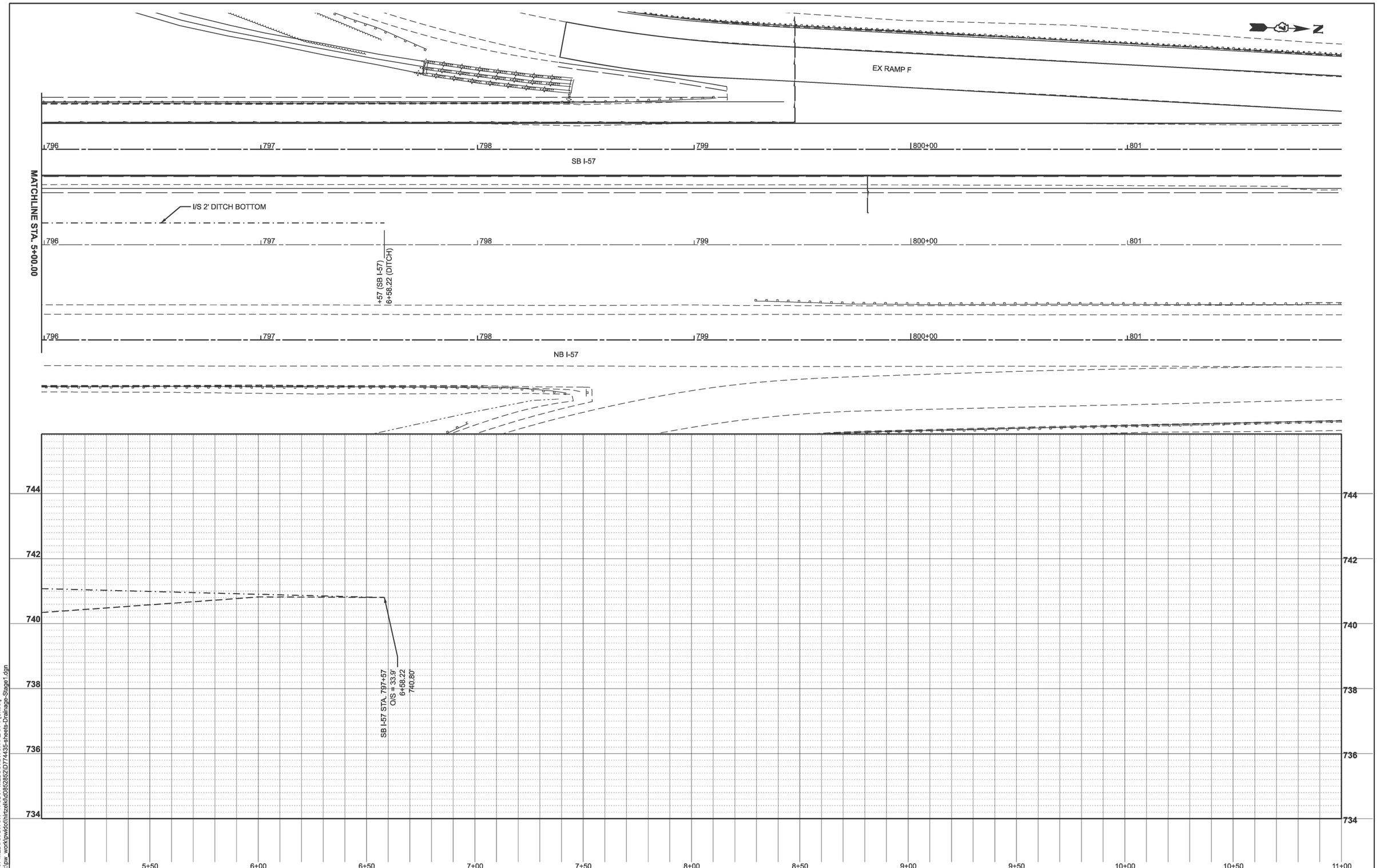
PLOT DATE = 8/20/2024	DATE -	REVISED -

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\pwdot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage1.dgn

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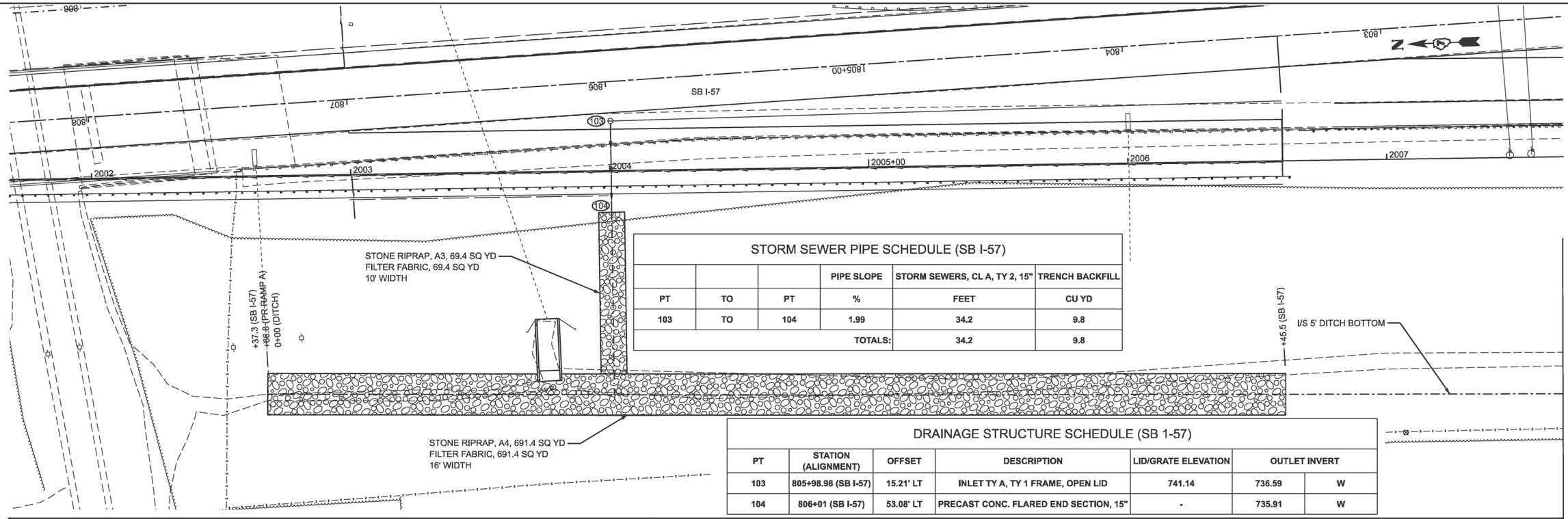
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 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			

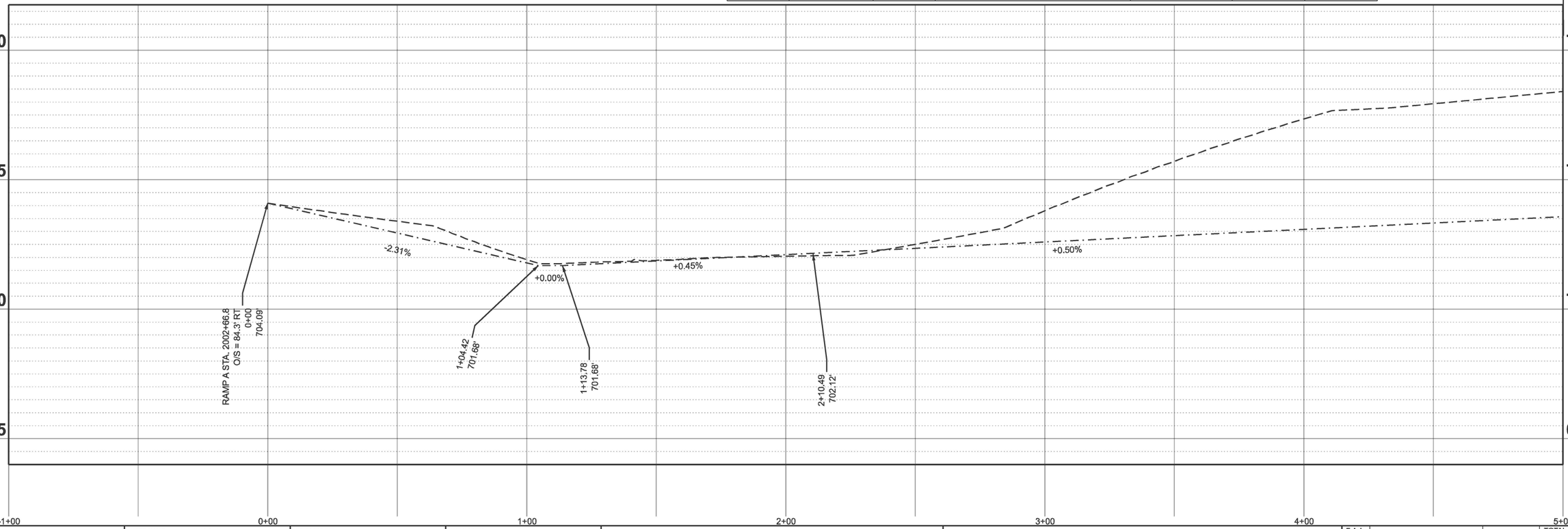


STORM SEWER PIPE SCHEDULE (SB I-57)

			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\hirtzelkld\d0852852\D7744435-sheets-Drainage-Stage1.dgn

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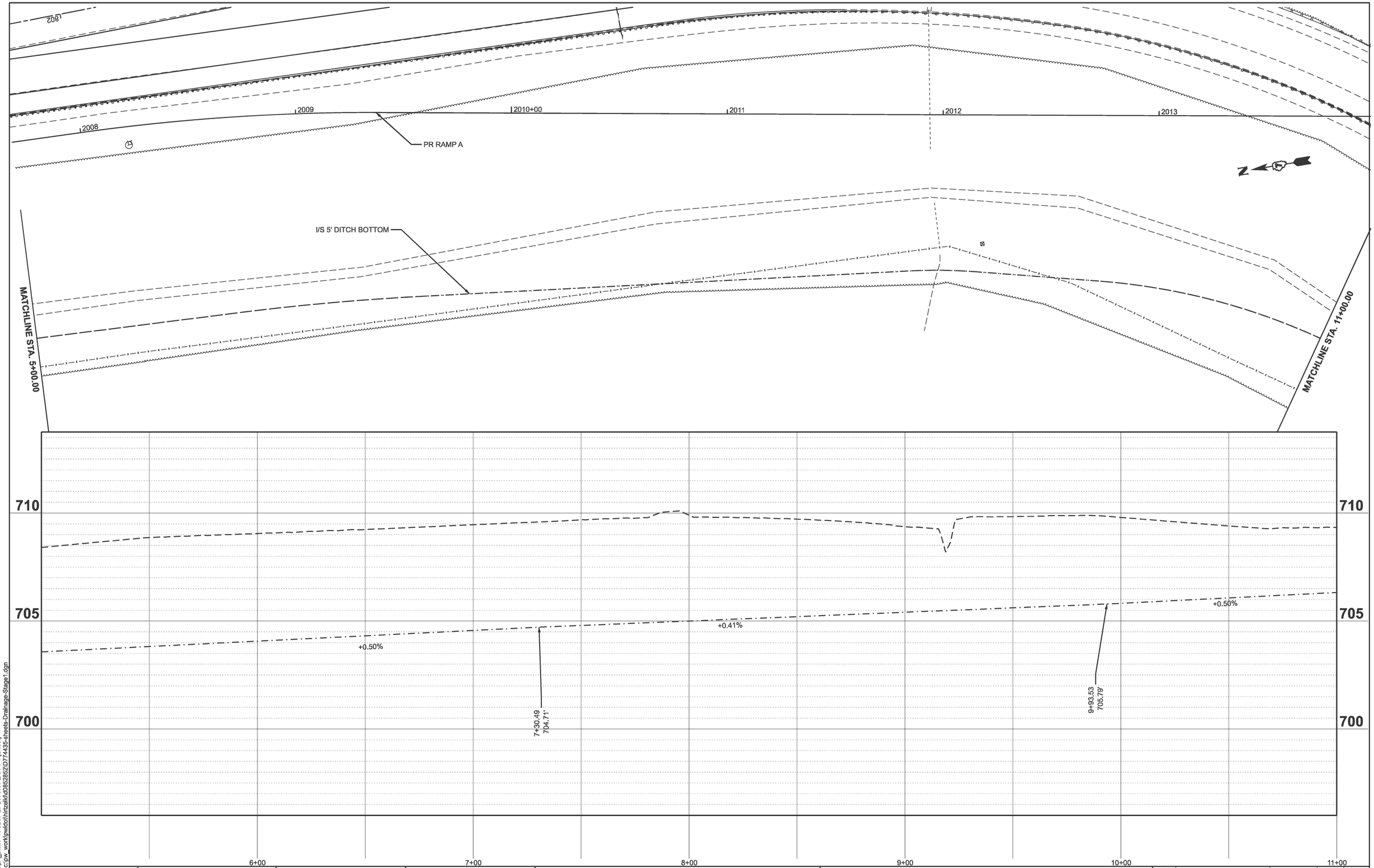
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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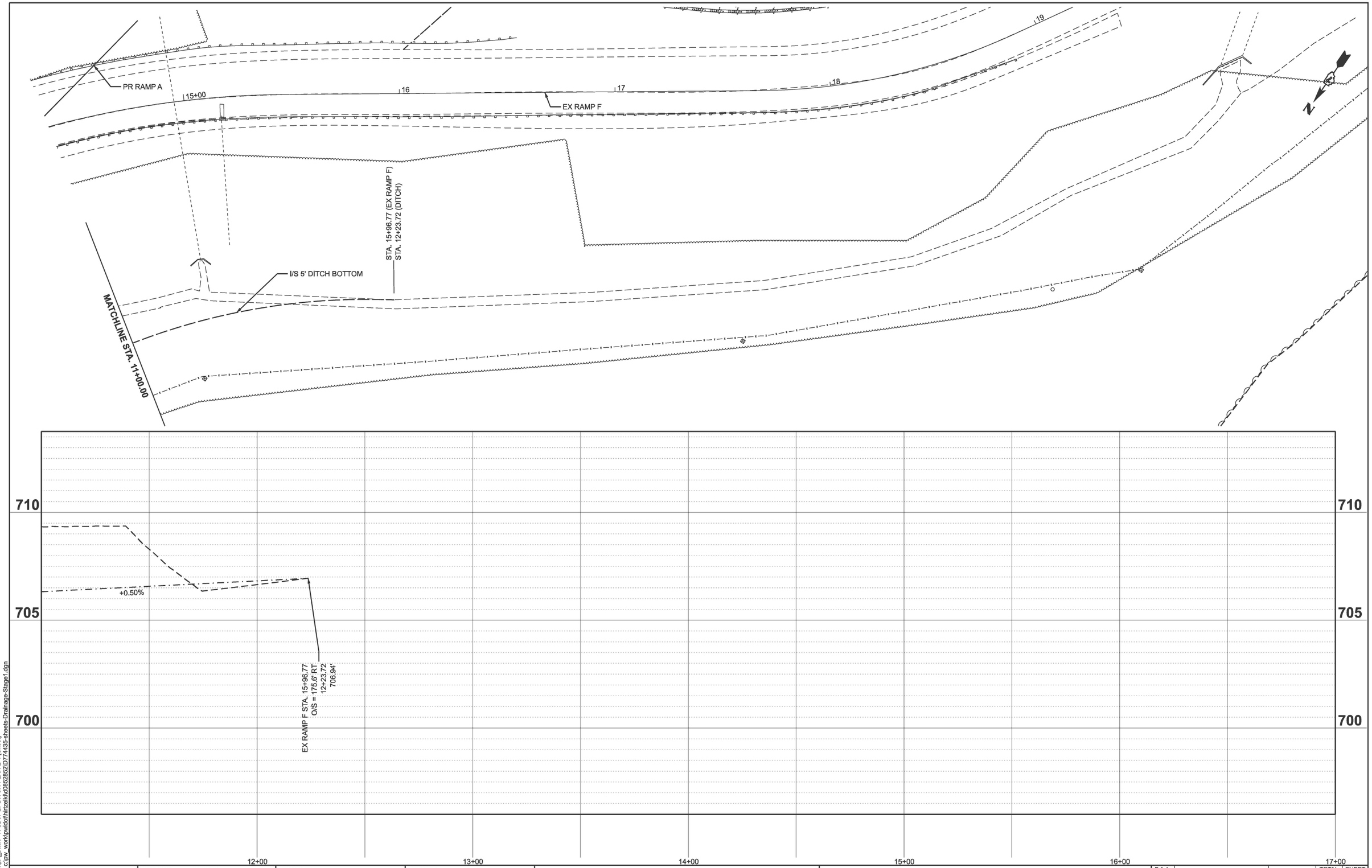
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: SB I-57 & PR RAMP 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\hirtzelkld\d0852852\D7744435-sheets-Drainage-Stage1.dgn

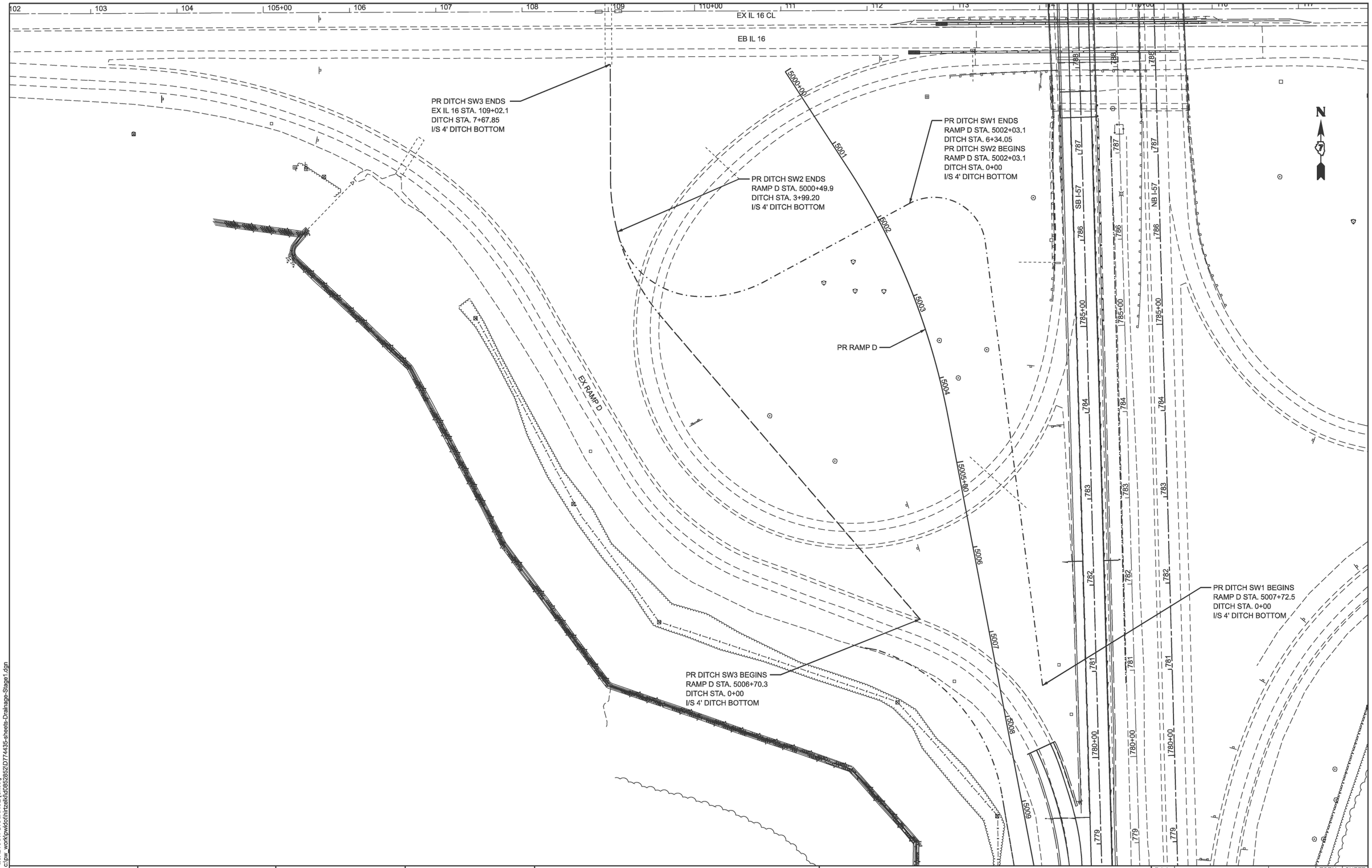
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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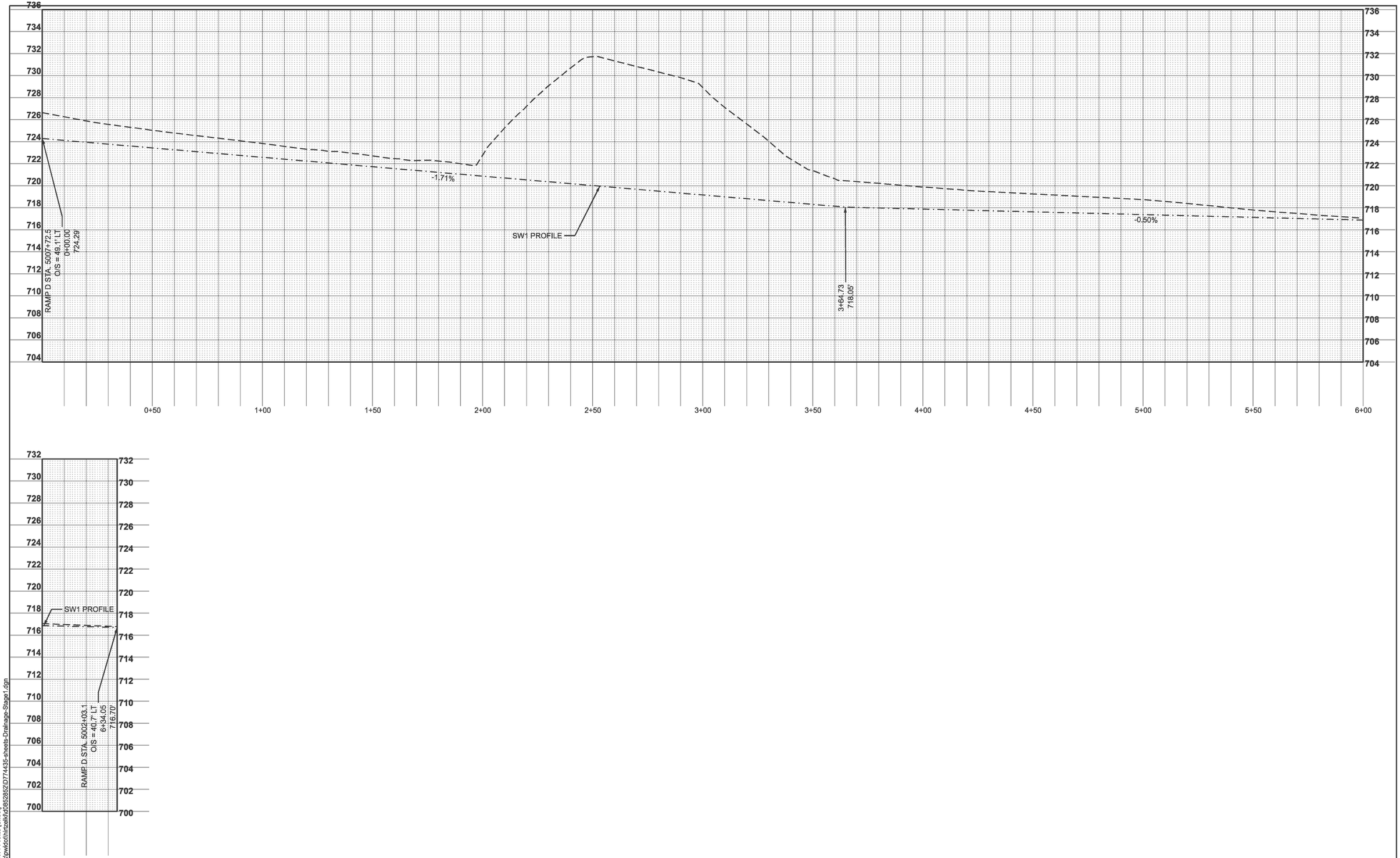
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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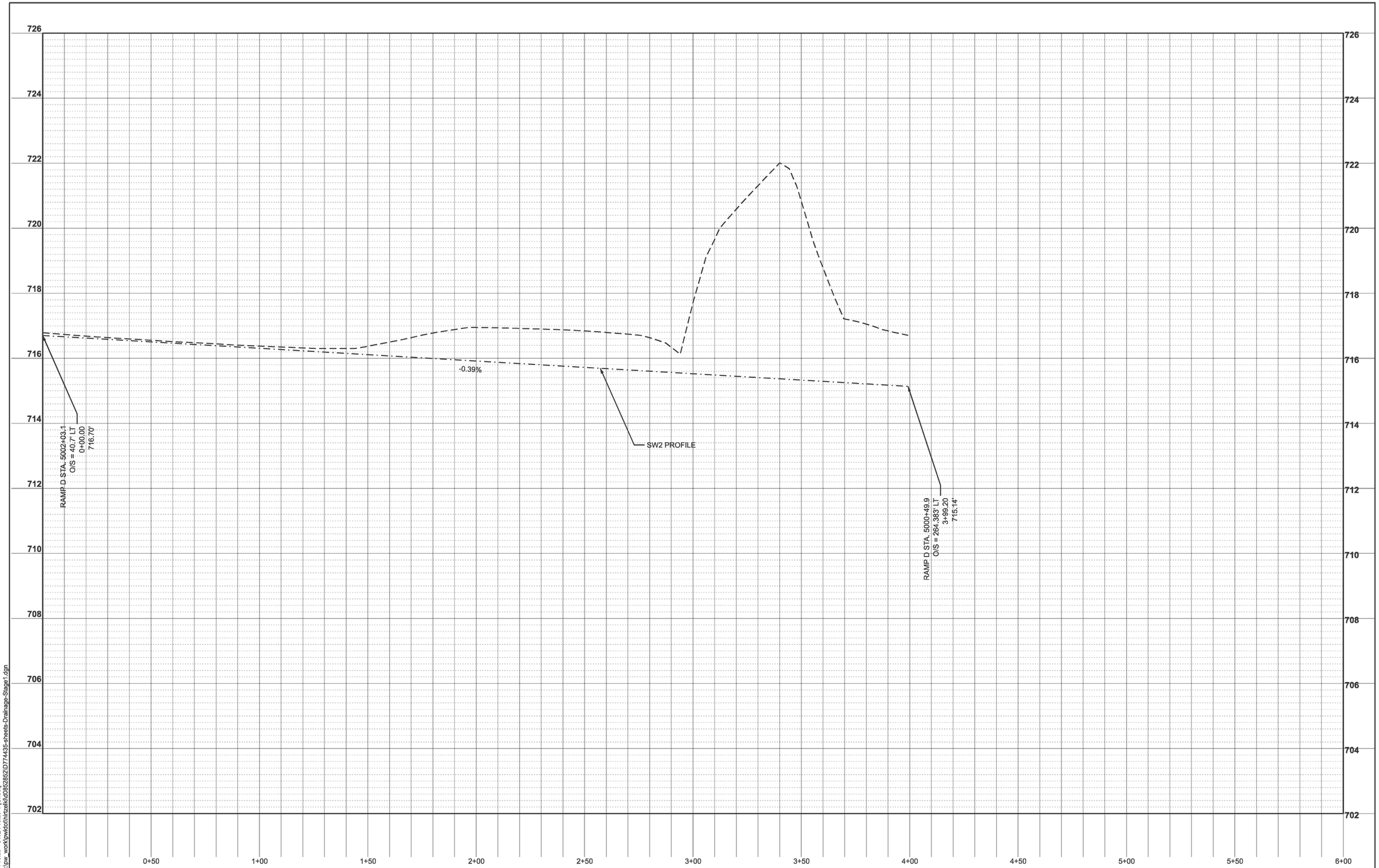
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: SW INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 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]
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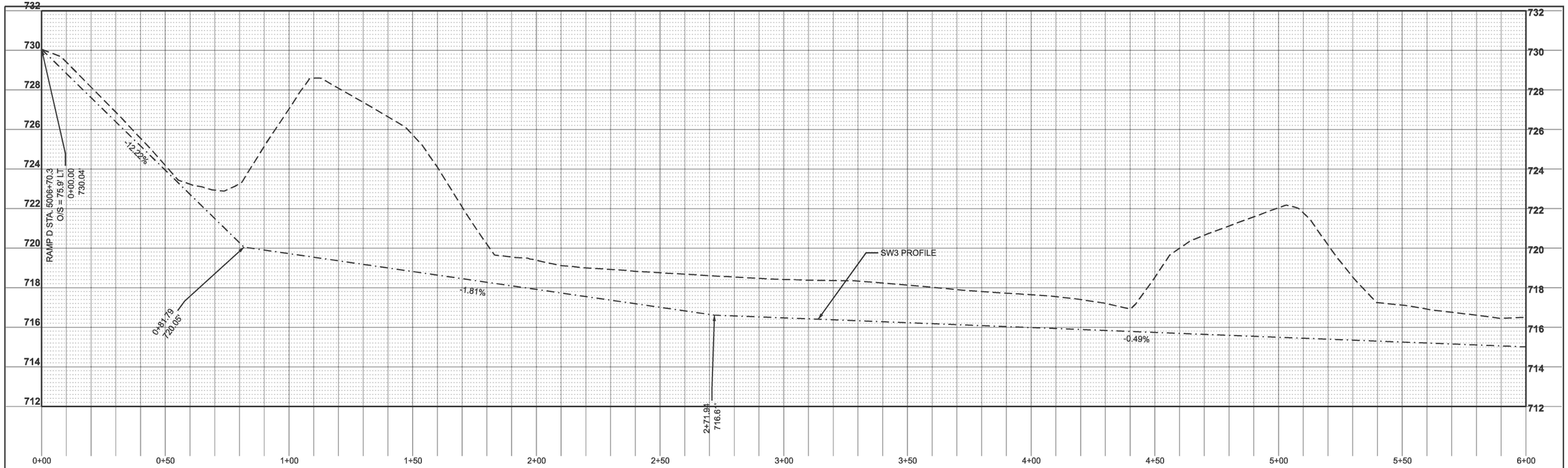
PLOT DATE = 8/20/2024	DATE -	REVISED -

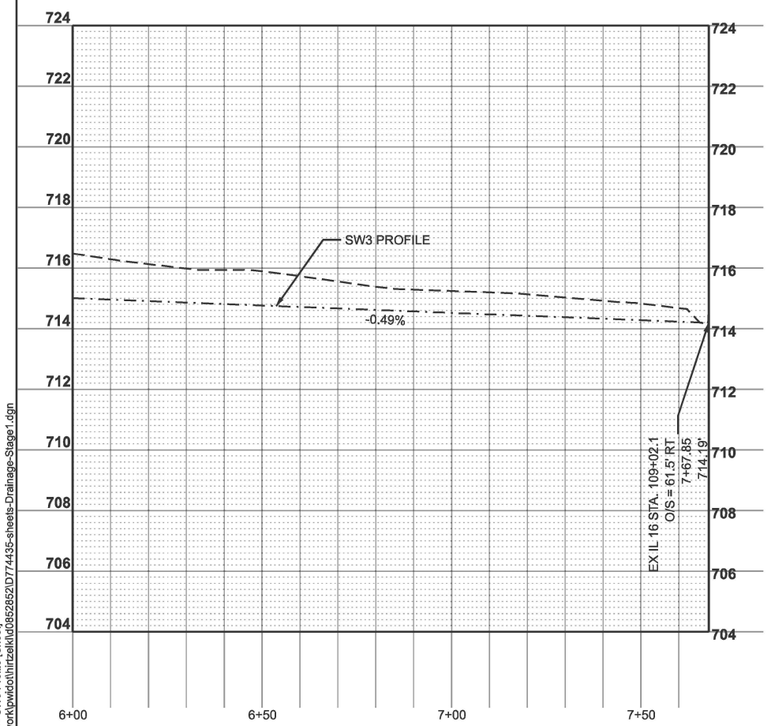
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 1: SW INTERCHANGE QUADRANT

SCALE: 1"=20' | SHEET 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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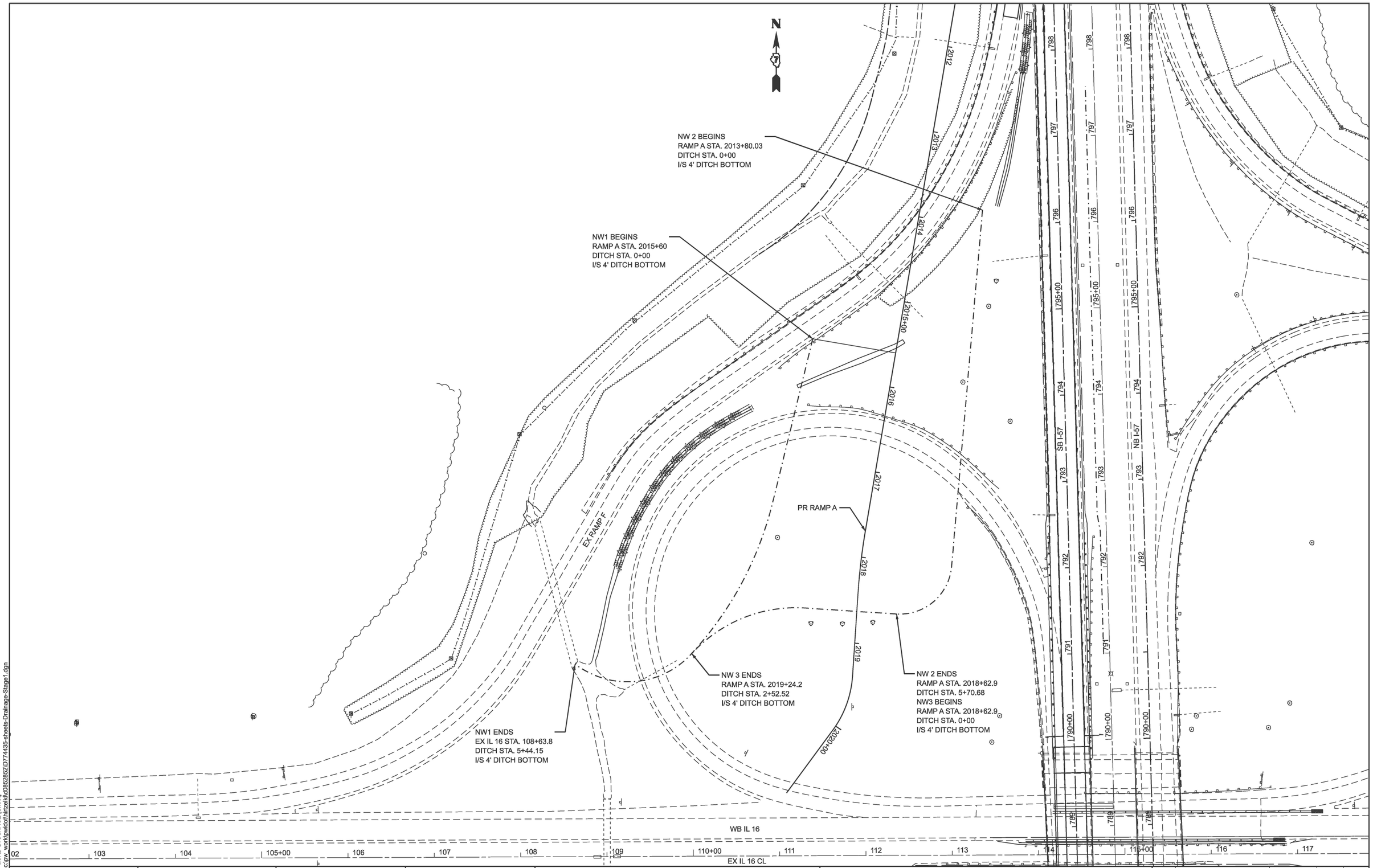
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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]
FILE NAME: c:\pw_work\pwidot\hirtzel\d08528521D774435-sheets-Drainage-Stage1.dgn

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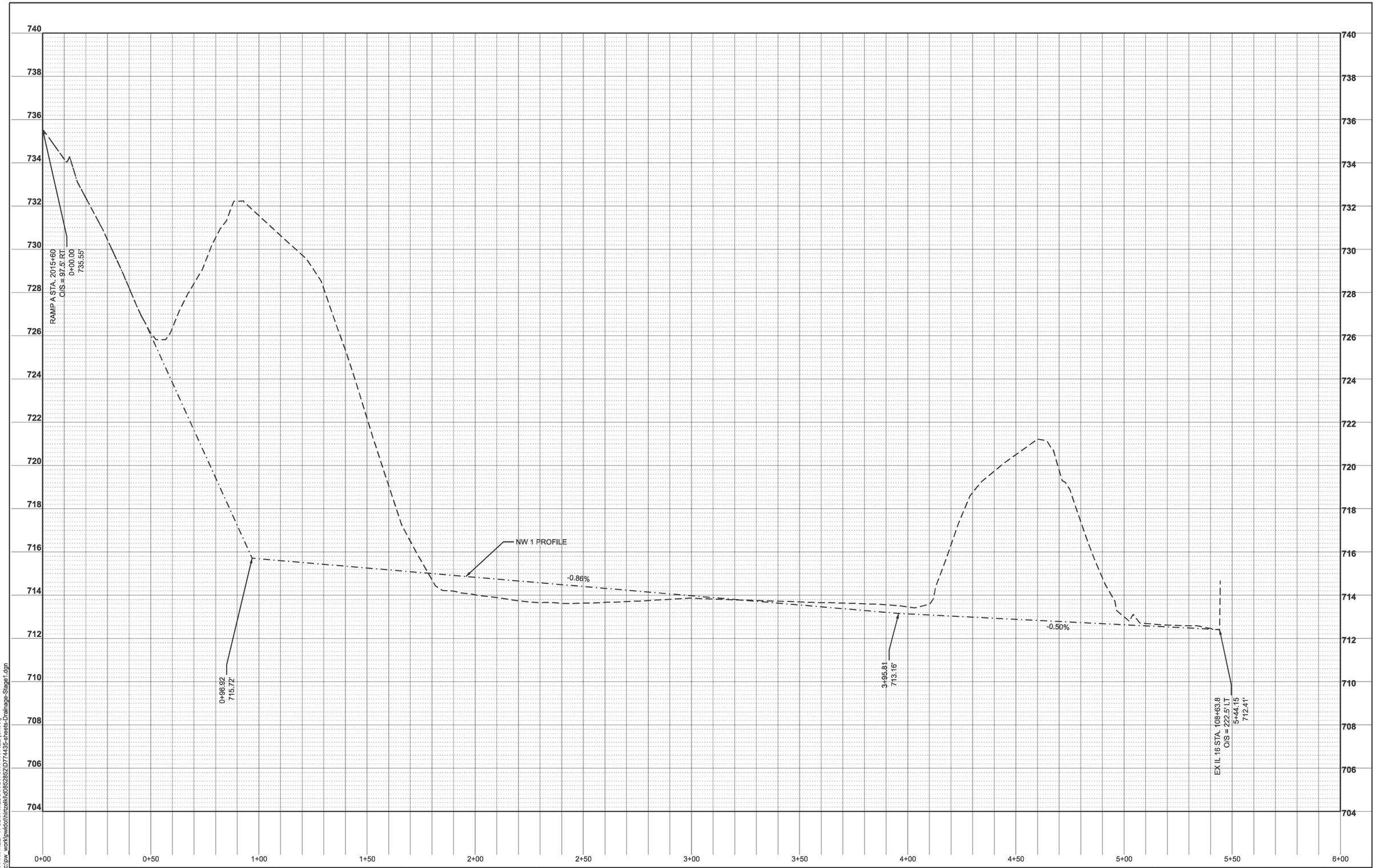
PLOT DATE = 8/28/2024	DATE -	REVISED -

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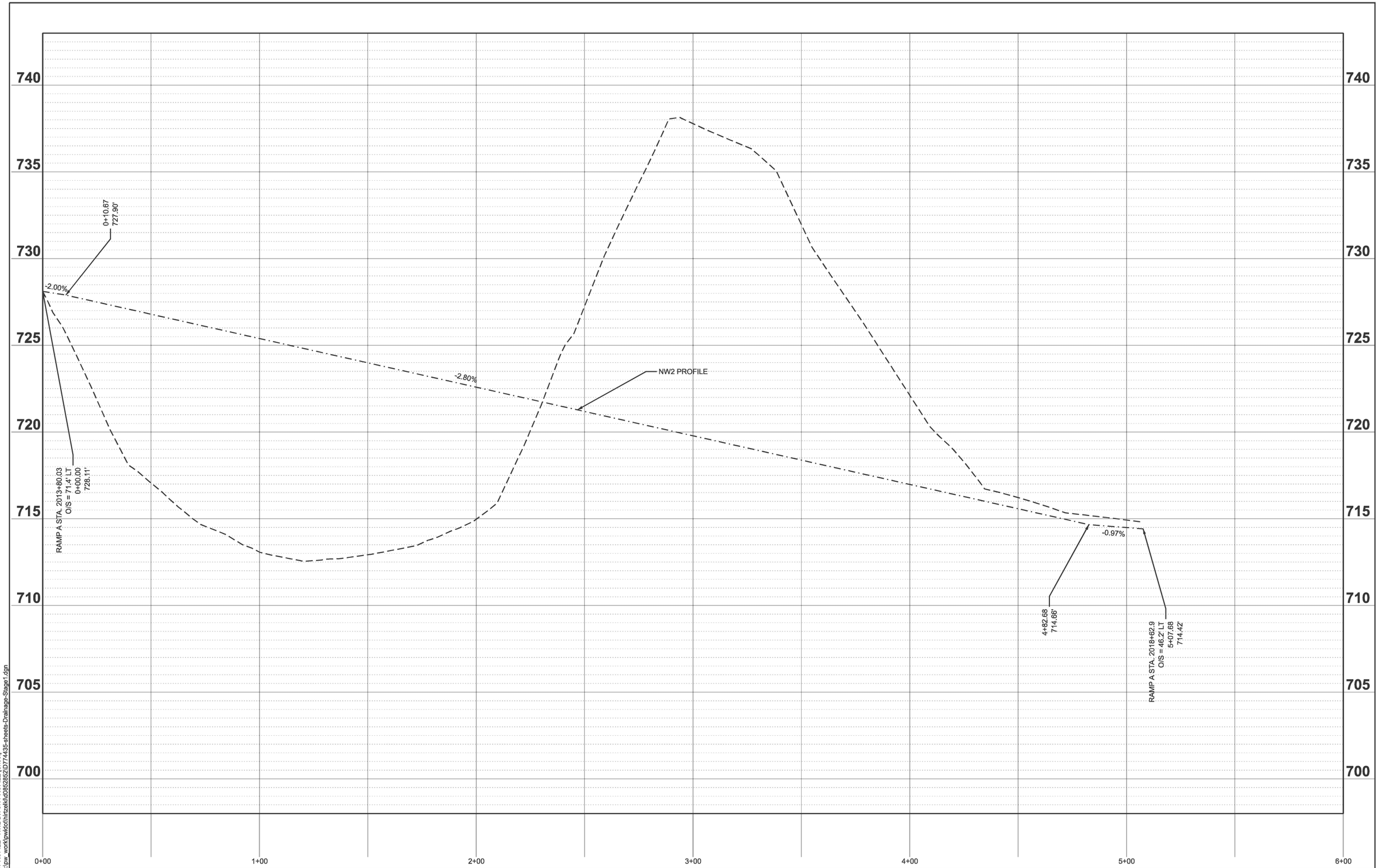
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D7744435-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 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			

718
716
714
712
710
708
706

NW3 PROFILE

-0.50%

RAMP A STA. 2018+62.9
O/S = 46.2' LT
0+00.00
714.42'

RAMP A STA. 2019+24.2
O/S = 187.6' RT
2+52.52
713.16'

0+00 0+50 1+00 1+50 2+00 2+50 3+00 3+50 4+00 4+50 5+00 5+50 6+00

MODEL: NW3 PROFILE - NW3 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D1774435-sheets-Drainage-Stage1.dgn

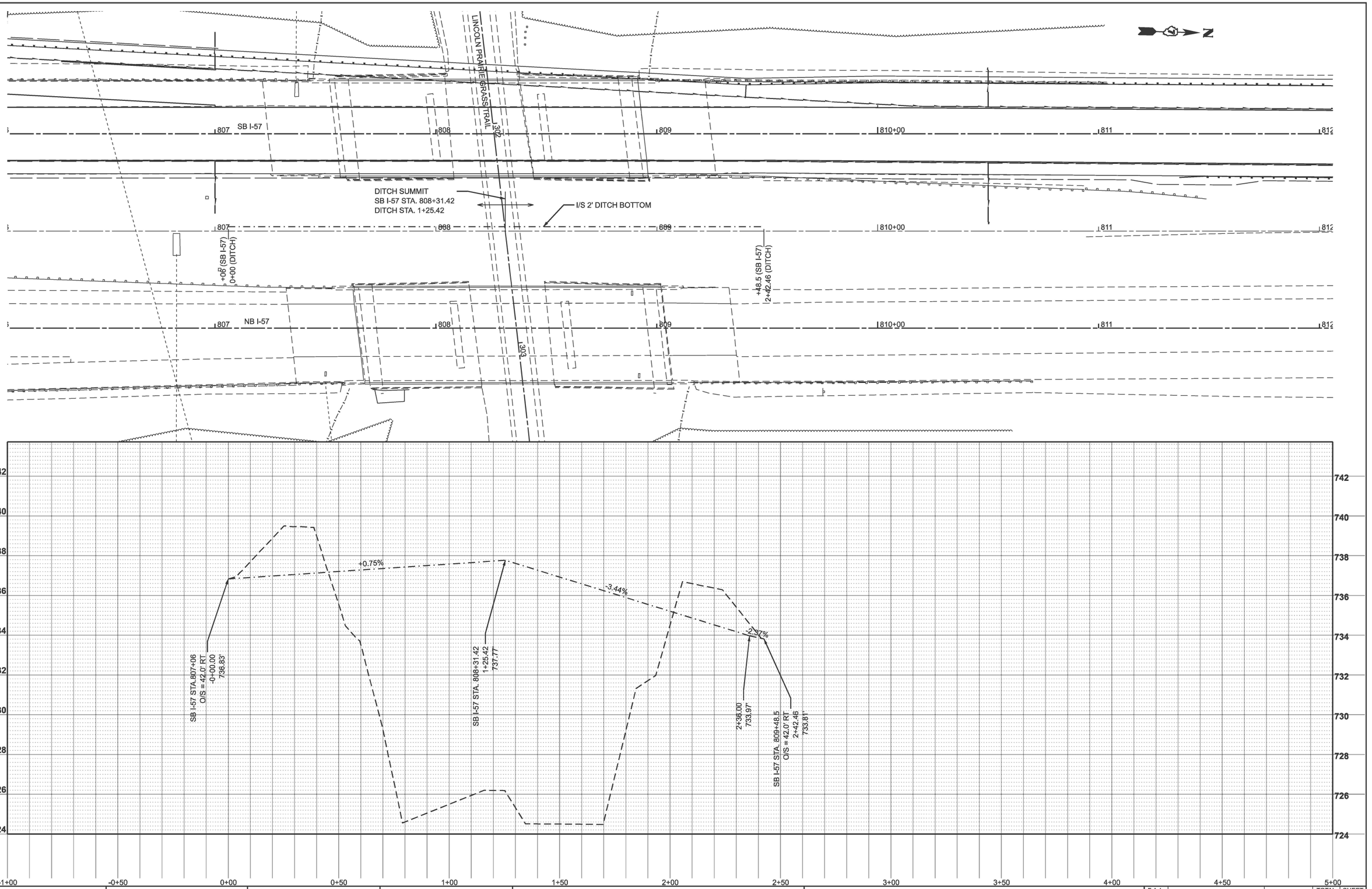
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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\hirtzel\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		

N

AC

PR RAMP D

SB I-57

760+00 761 762 763 764 765+00 766 767 768 769 770+00 771 772 773 774 775+00 776 777 778 779 780+00 781 782 783 784 785+00 786 787 788 789 790+00 791

NB I-57

4000+00 4001 4002 4003 4004 4005+00 4006 4007 4008 4009 4010+00 4011 4012 4013 4014 4015+00 4016 4017 4018 4019 4020+00

72 73 74 75+00 76 77 78 79 80+00 81 82 83 84 85+00 86 87 88 89 90+00 91 92

105+00 106 107 108 109 110+00 111 112 113 114 115 116 117 118 119 120+00 121 122 123 124

3000+00 3001 3002

EX RAMP D

EB IL 16

WB IL 16

EX RAMP A

EX RAMP B

PR DITCH

PR RAMP C

MODEL: Stage 2 South [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D7744435-sheets-Drainage-Stage2.dgn

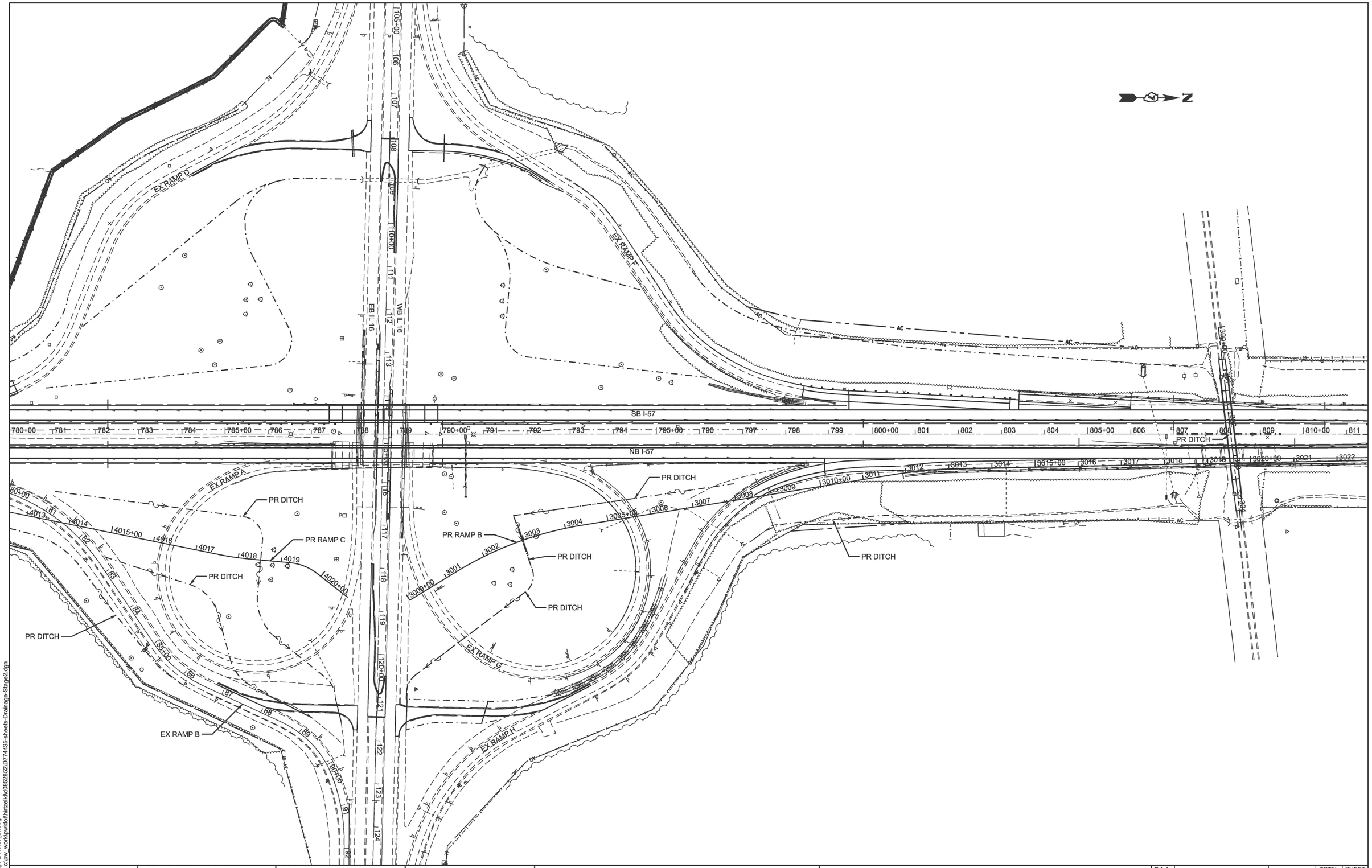
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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\pwdot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage2.dgn

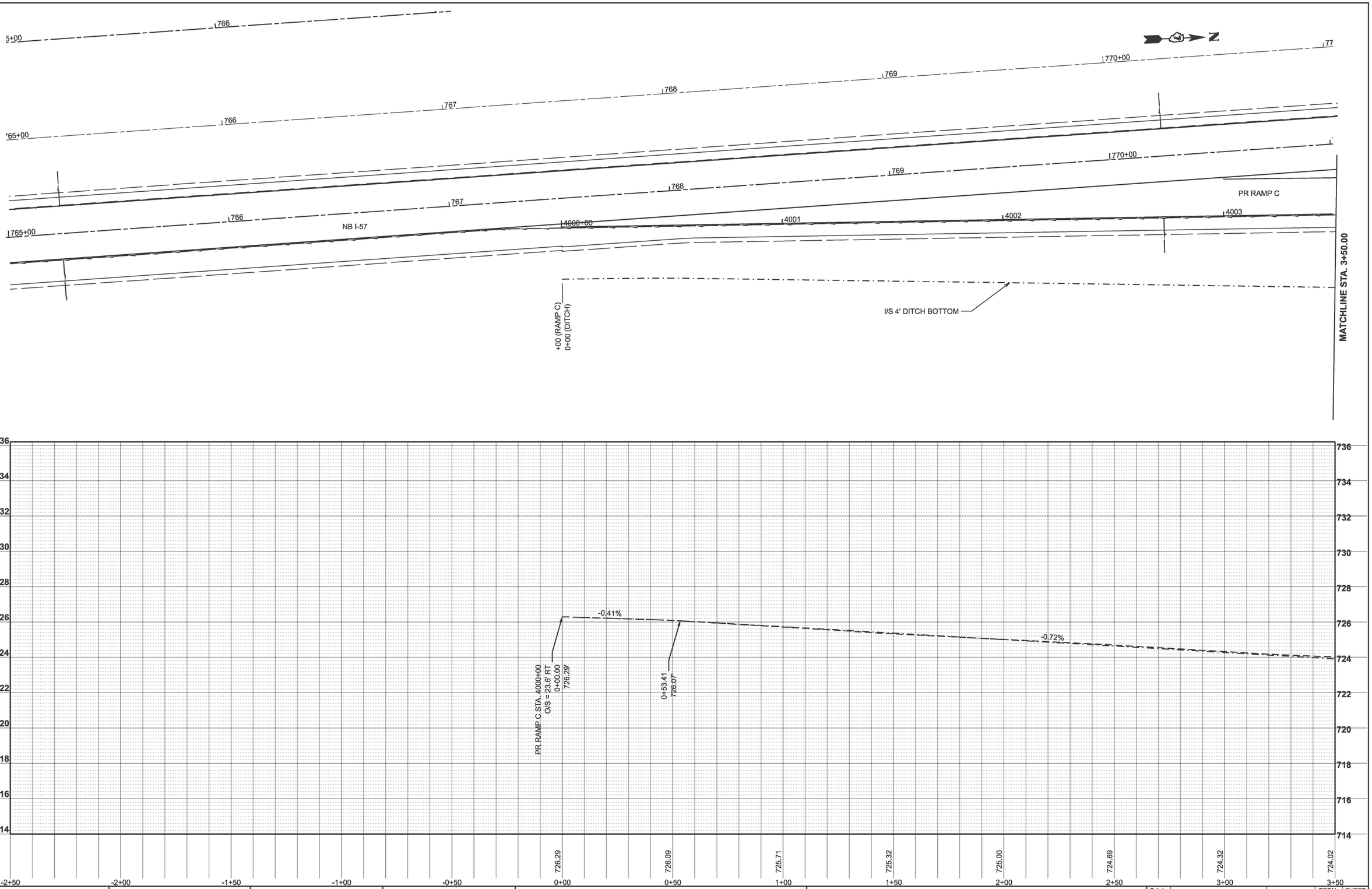
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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\hirtzelk\d0852852\D774435-sheets-Drainage-Stage2.dgn

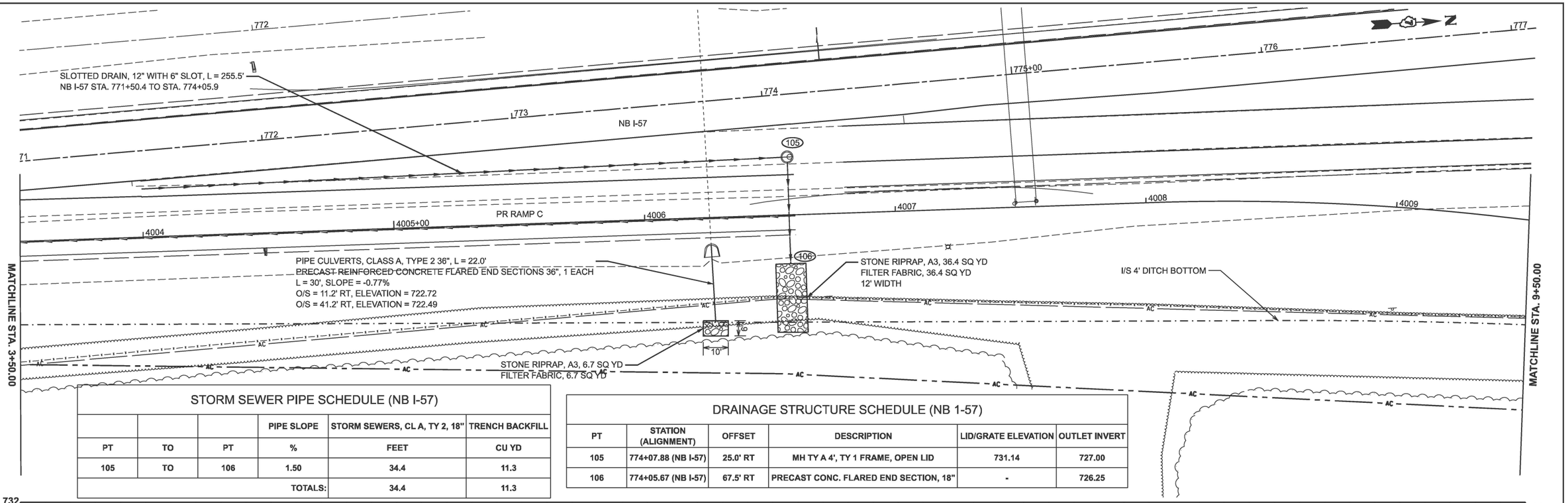
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: 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			

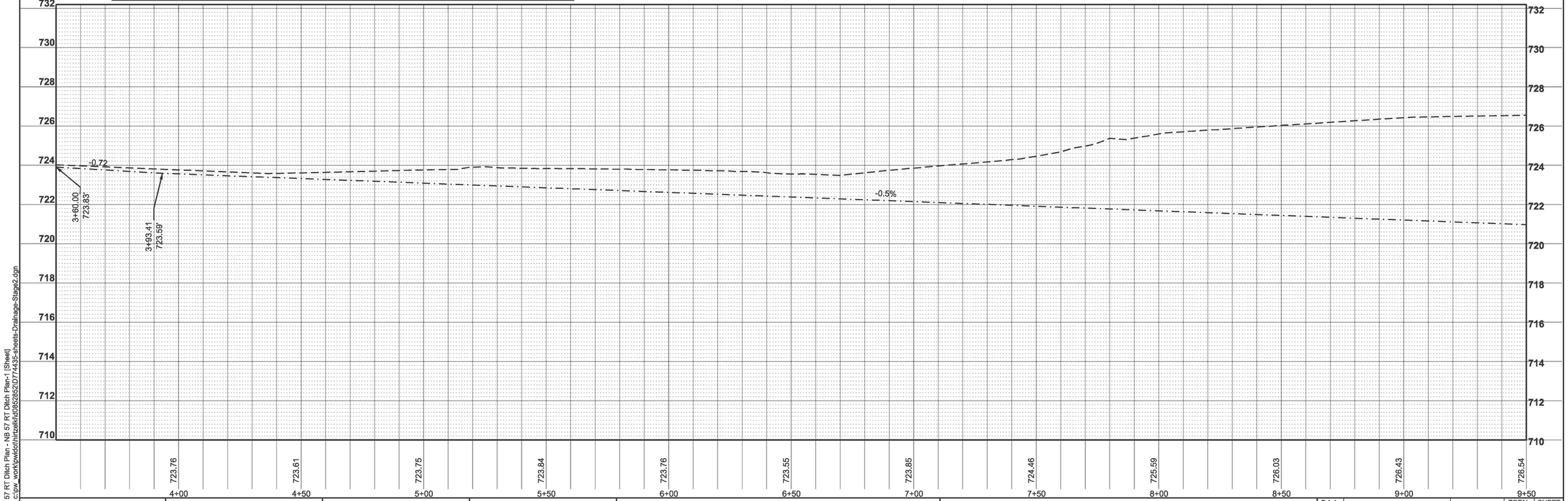


STORM SEWER PIPE SCHEDULE (NB I-57)

			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\hirtzelkld\d0852852\D7744435-sheets-Drainage-Stage2.dgn

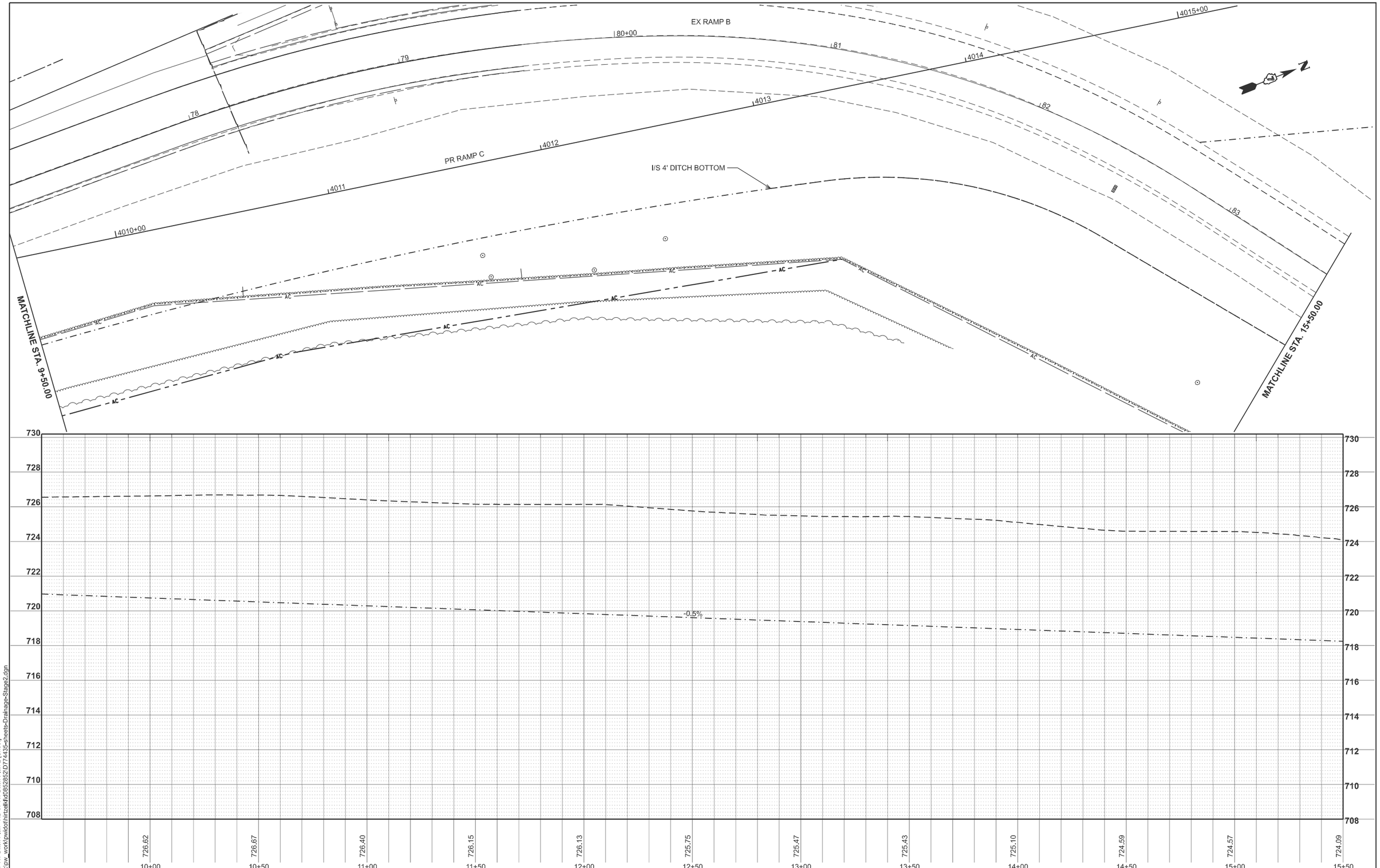
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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\pwdot\hirtzelkl\d0852852\D7744435\sheets\Drainage-Stage2.dgn

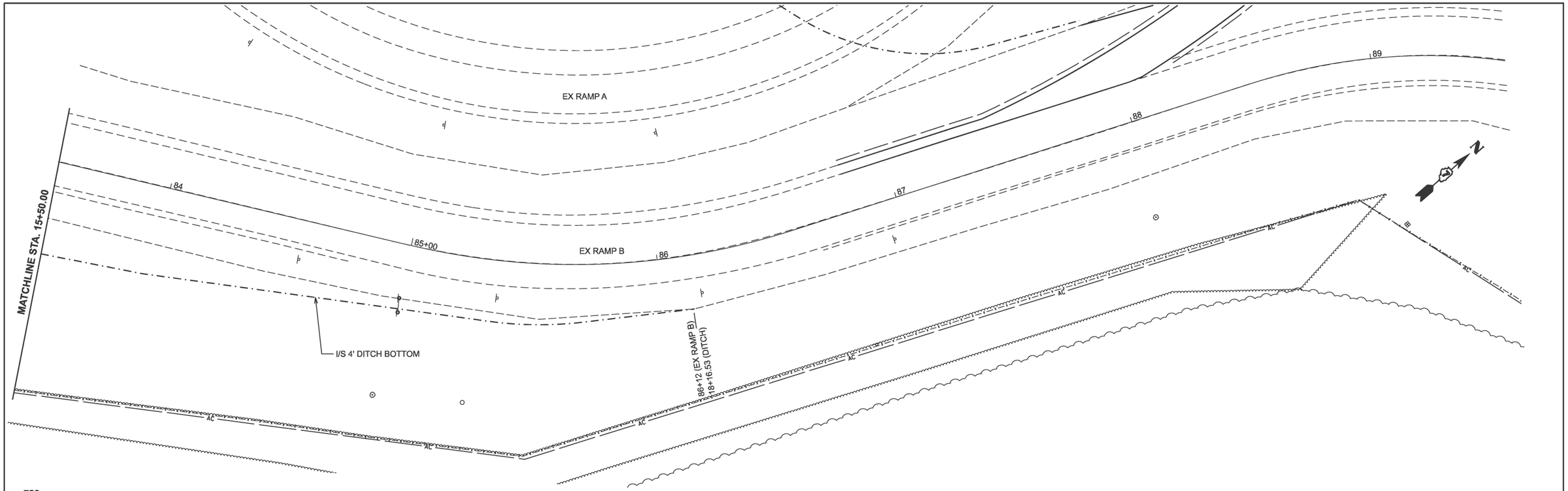
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

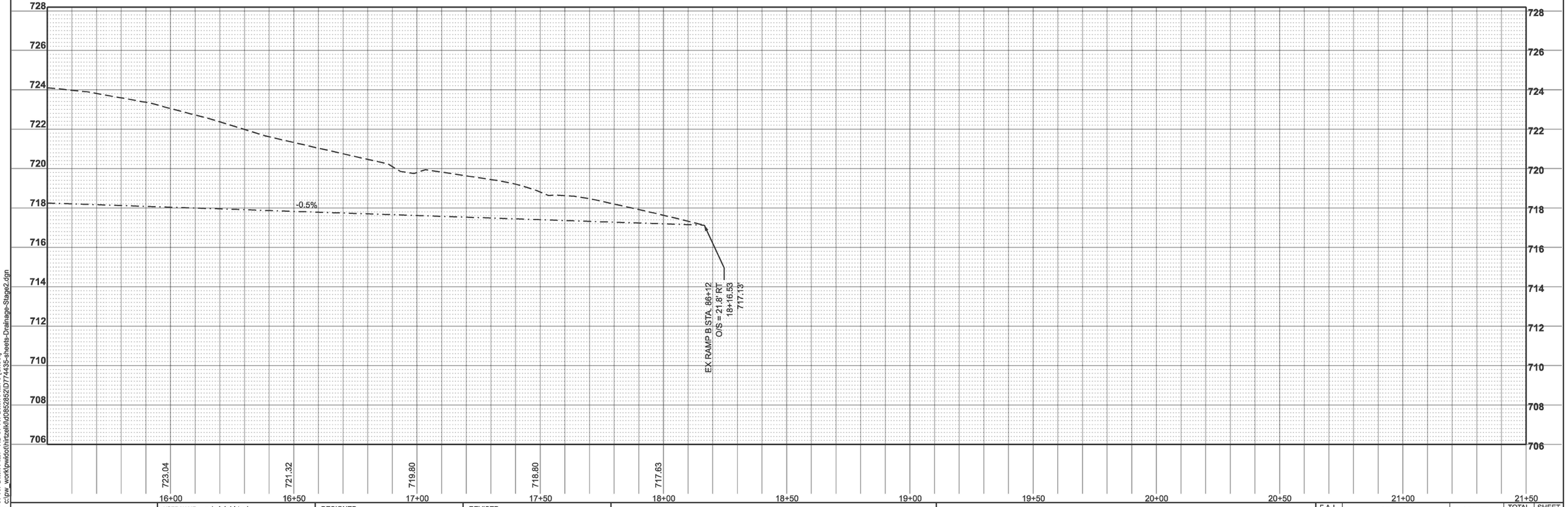
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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\hirtzelk\d0852852\D774435-sheets-Drainage-Stage2.dgn

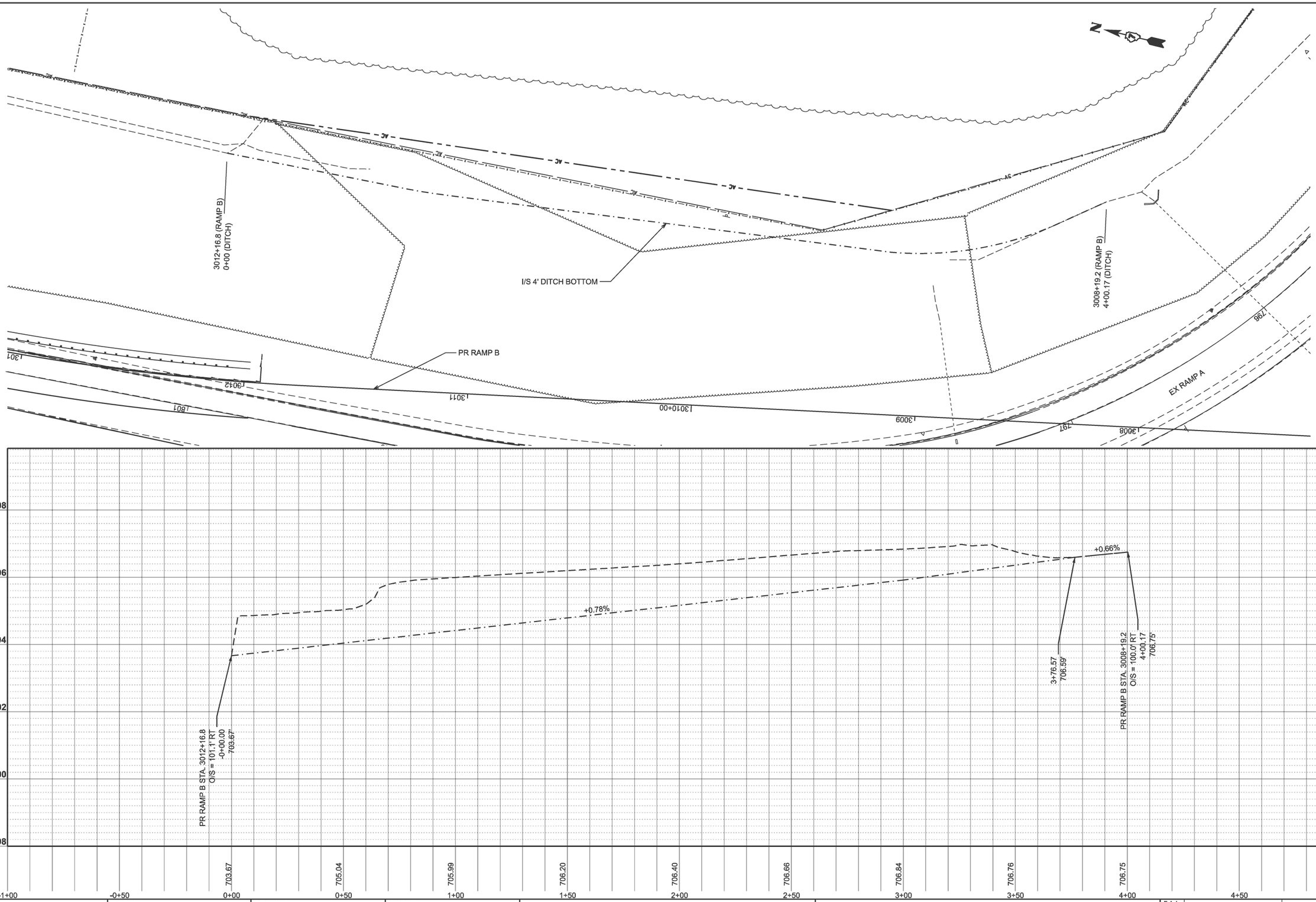
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 2: 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\hirtzelkld0852852\D7744435-sheets-Drainage-Stage2.dgn

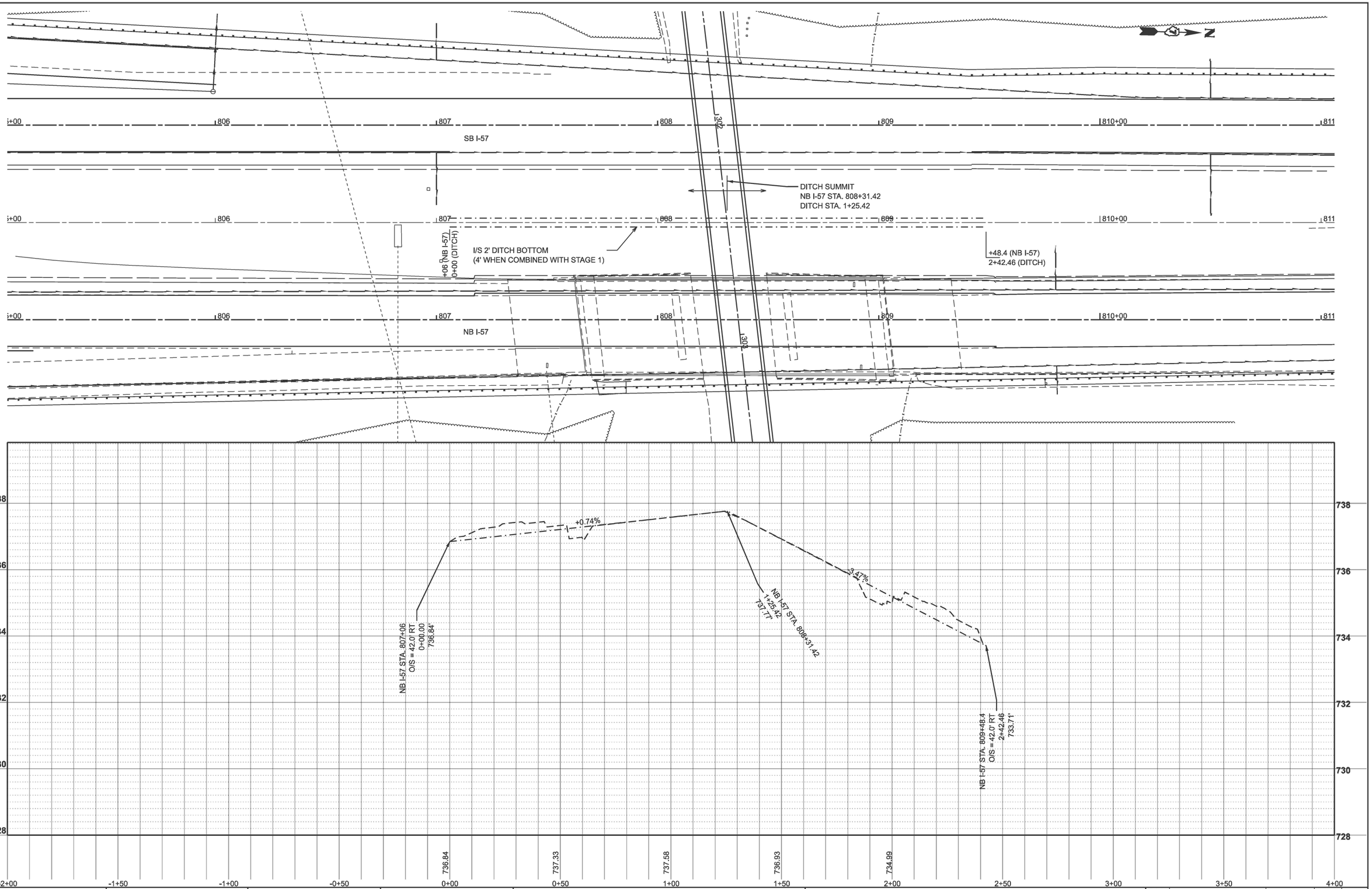
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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\hirtzelkld\d0852852\D7744435-sheets-Drainage-Stage2.dgn

USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 5/31/2024	DATE -	REVISED -	

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			

EB IL 16

SE1
BEGINS: RAMP C STA. 4013+53.4
DITCH STA. 0+00
ENDS: EX IL 16 STA. 120+19.2
DITCH STA. 9+47.22
I/S 4' DITCH BOTTOM

PR RAMP C

EX RAMP B

NB I-57

SE2
BEGINS: RAMP C STA. 4014+98
DITCH STA. 0+00
ENDS: RAMP C STA. 4018+93.3
DITCH STA. 5+31.92
I/S 4' DITCH BOTTOM

N

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

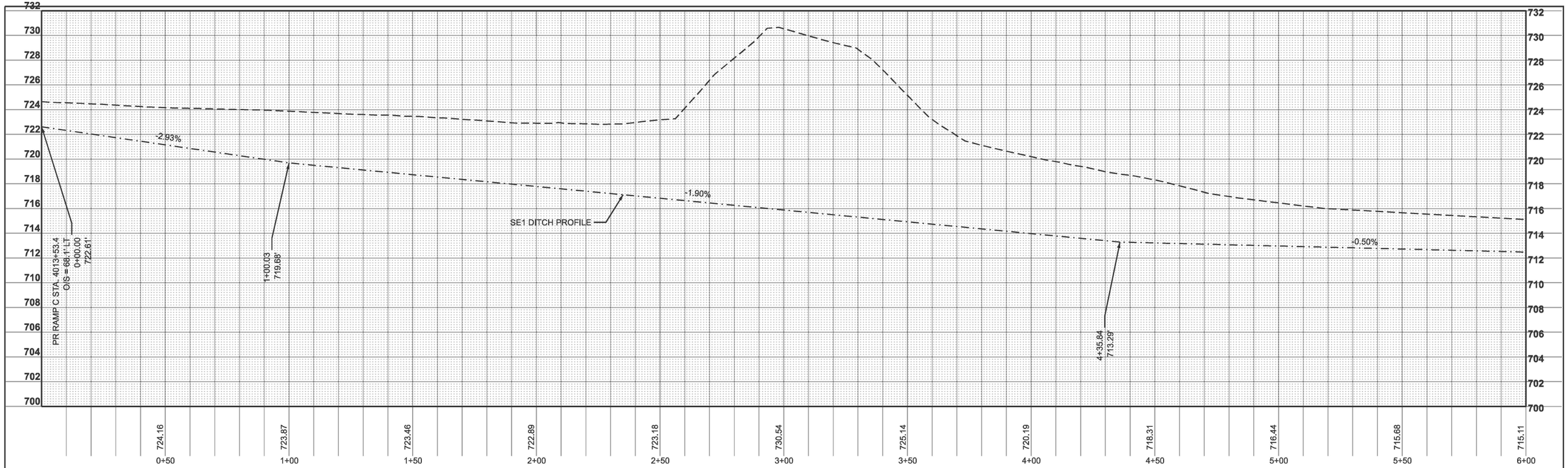
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

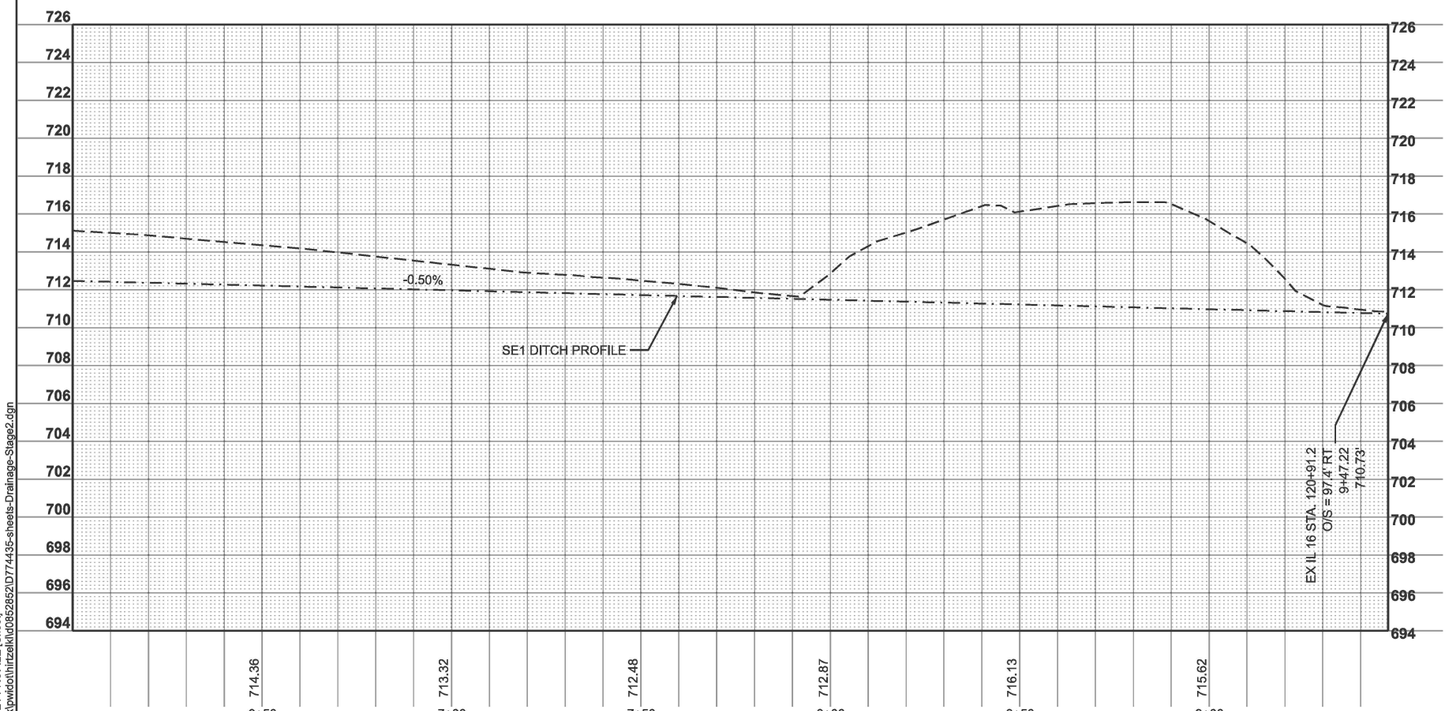
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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\pwdot\hirtzelkl\d0852852\D7744435-sheets-Drainage-Stage2.dgn

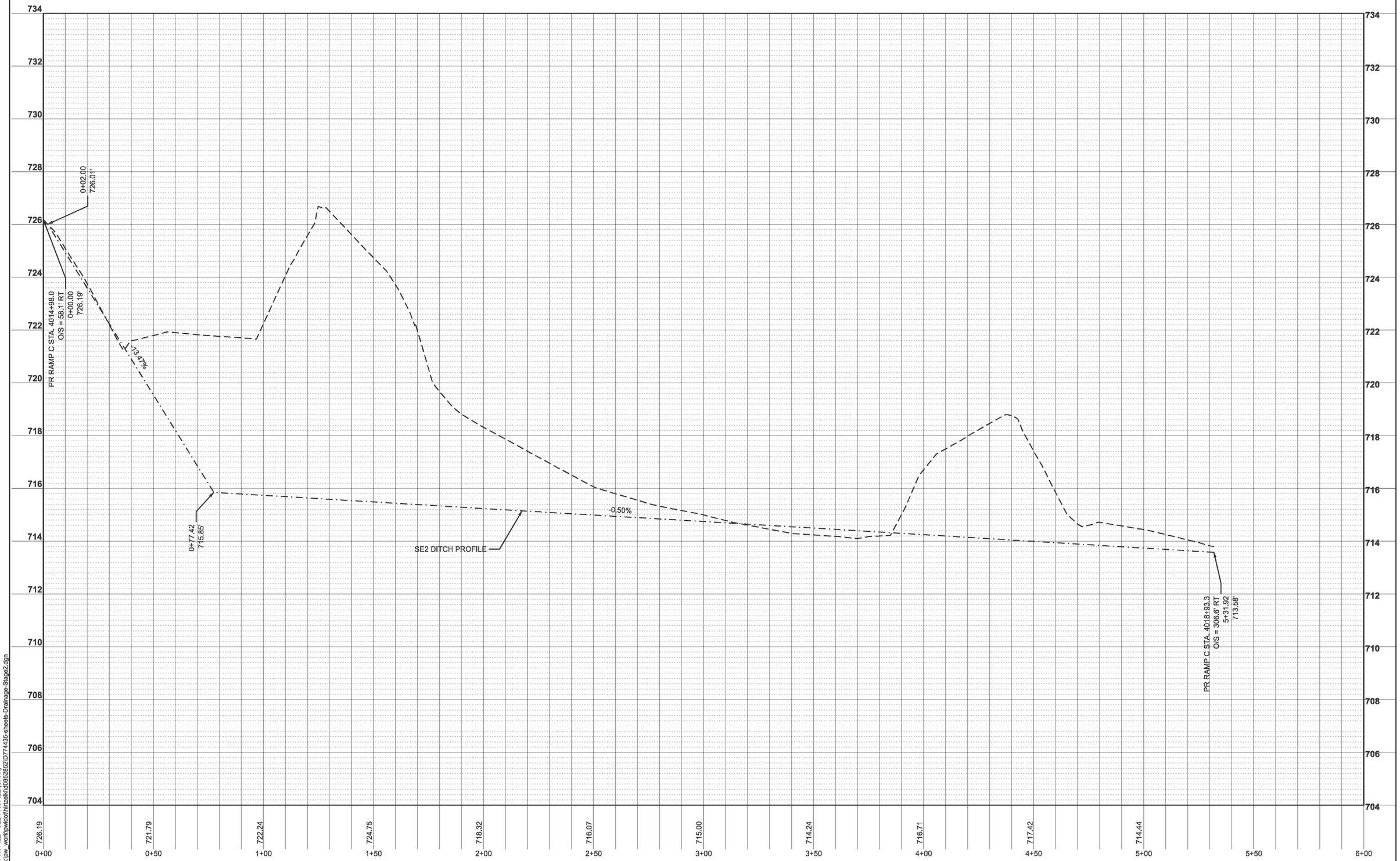
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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\D7744335-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

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

EX RAMP H

NB I-57

WB IL 16

N

MODEL: NE QUADRANT-1 [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelkl\d0852652\D7744435-sheets-Drainage-Stage2.dgn

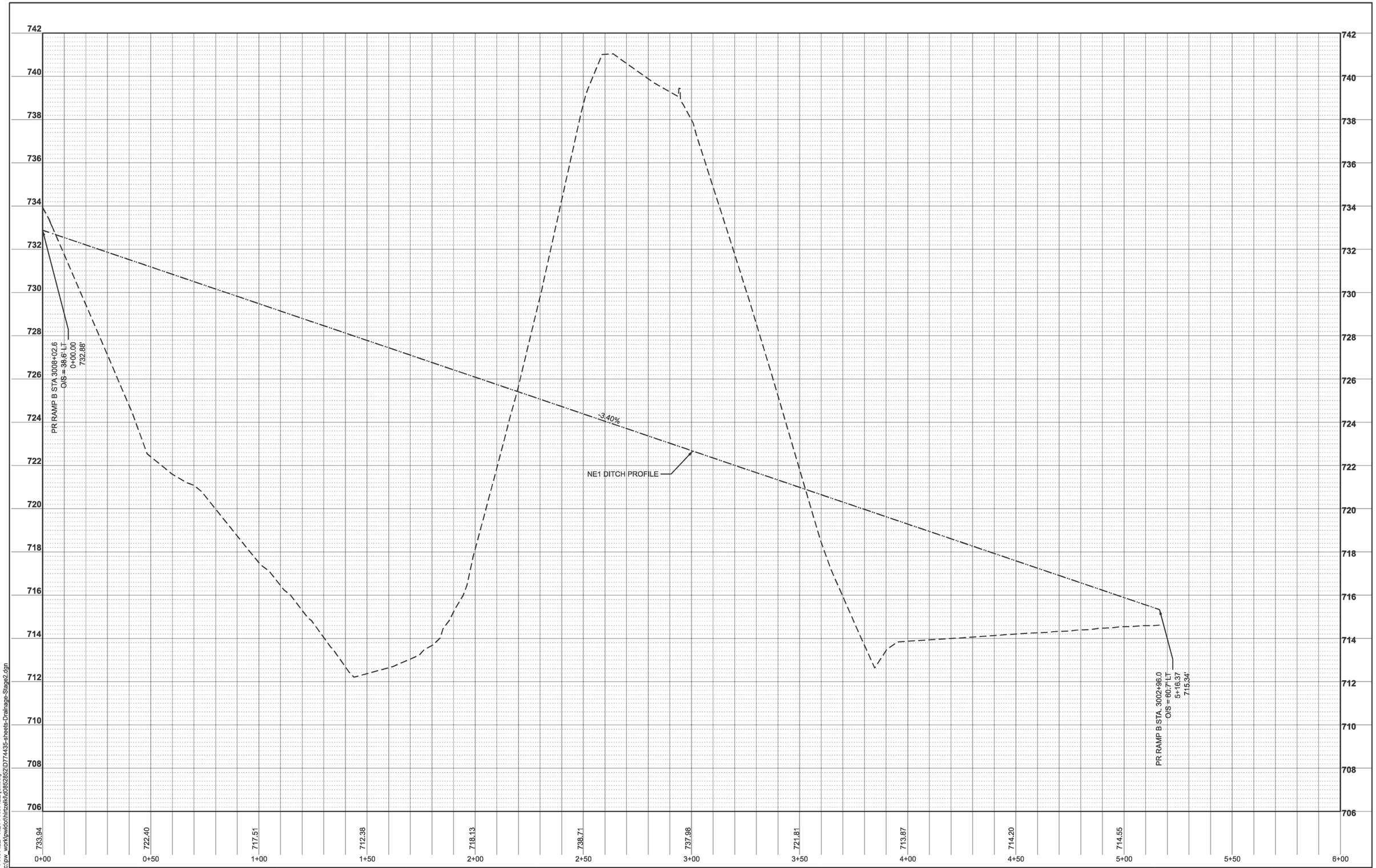
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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\hirtzelkl\d0852852\D1774435-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			

726
724
722
720
718
716
714
712
710
708
706
704
702

-0.50%

-0.34%

NE2 DITCH PROFILE

PR RAMP B STA. 3002+96.0
O/S = 60.7 LT
0+00.00
715.34'

1+32.19
714.68'

EX IL 16 STA. 121+02.2
O/S = 68.0' LT
5+72.47'
713.19'

714.62 | 714.13 | 713.56 | 713.87 | 714.46 | 714.96 | 715.31 | 718.52 | 718.49 | 716.41 | 715.38 | 713.49

0+00 0+50 1+00 1+50 2+00 2+50 3+00 3+50 4+00 4+50 5+00 5+50 6+00

MODEL: NE2 PROFILE - NE2 PROFILE [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: 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		

PRECAST CONCRETE BOX CULVERTS, 8' X 4' (SPECIAL)

EX RAMP F

PIPE CULVERTS, CLASS A, 36" (JACKED)

PR DITCH

EX RAMP D

PR RAMP D

PR RAMP A

EX RAMP B

EX RAMP H

SB I-57

NB I-57

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

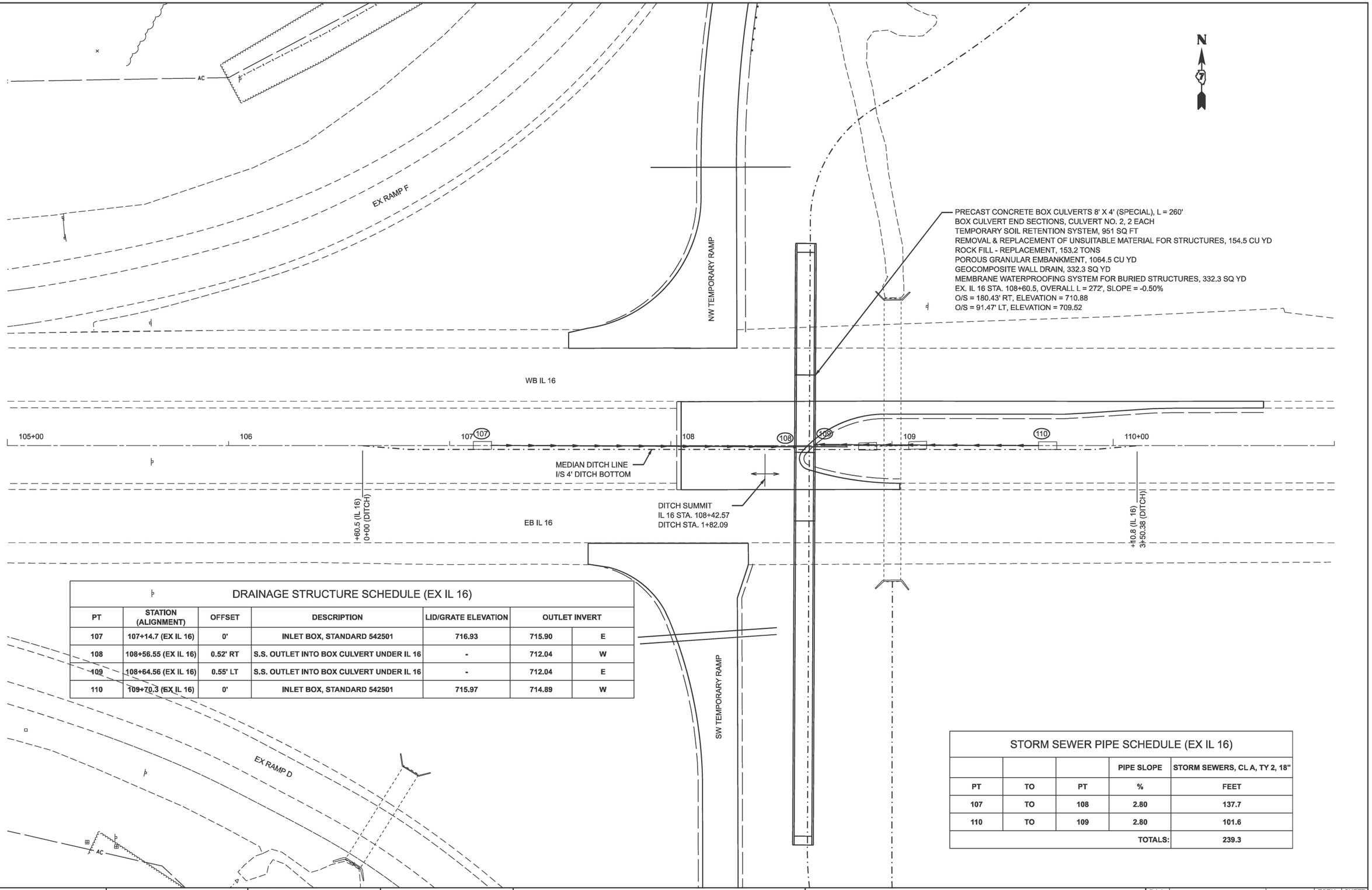
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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			

MODEL: PRE-STAGE 3 OVERALL [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D774435-sheets-Drainage-PreStage3.dgn



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\pwdot\hirtzelkl\d0852852\D7744435-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]
FILE NAME: c:\pw_work\pwidot\hirtzel\d0852852\D774435-sheets-Drainage-PreStage3.dgn

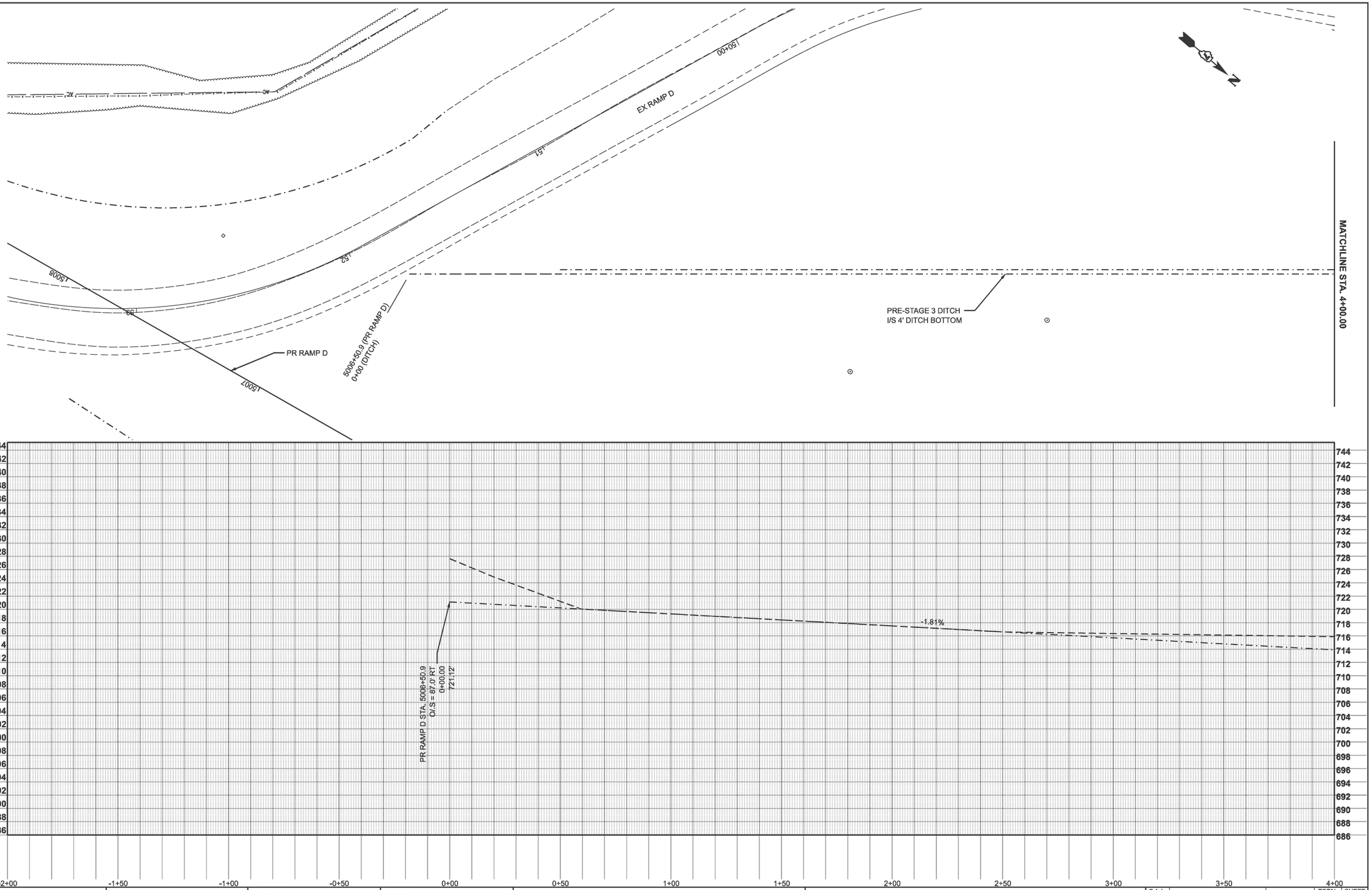
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE 3: 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			



MODEL: Pre-Stage3_Ditch - W N-S DITCH PLAN {Sheet}
FILE NAME: c:\pw_work\pwdot\hirtzelkl\d0852852\D7744435-sheets-Drainage-PreStage3.dgn

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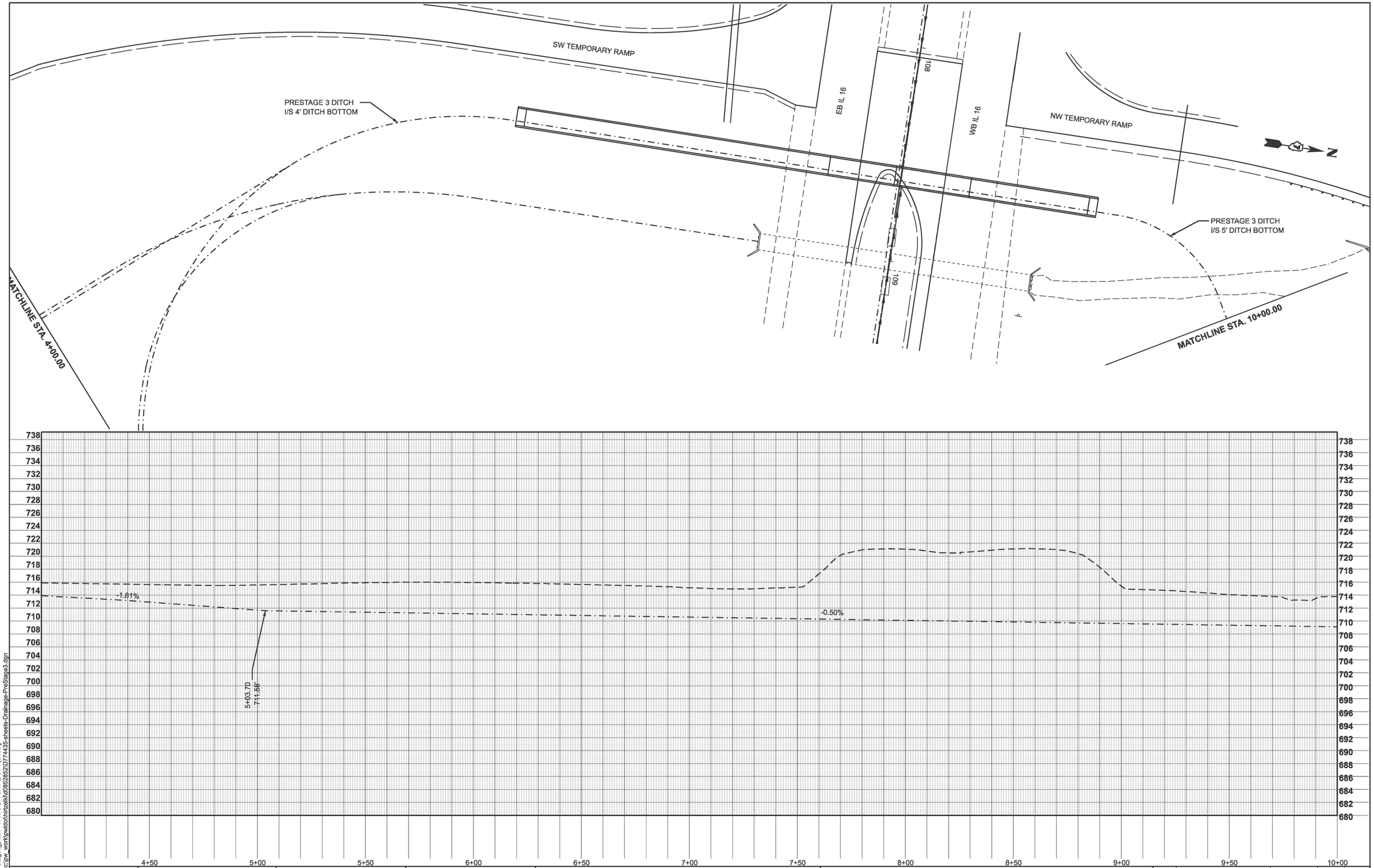
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
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			



MODEL: Pre-Stage3_Ditch - W N-S DITCH PLAN-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkld\d0852852\D7744435-sheets-Drainage-PreStage3.dgn

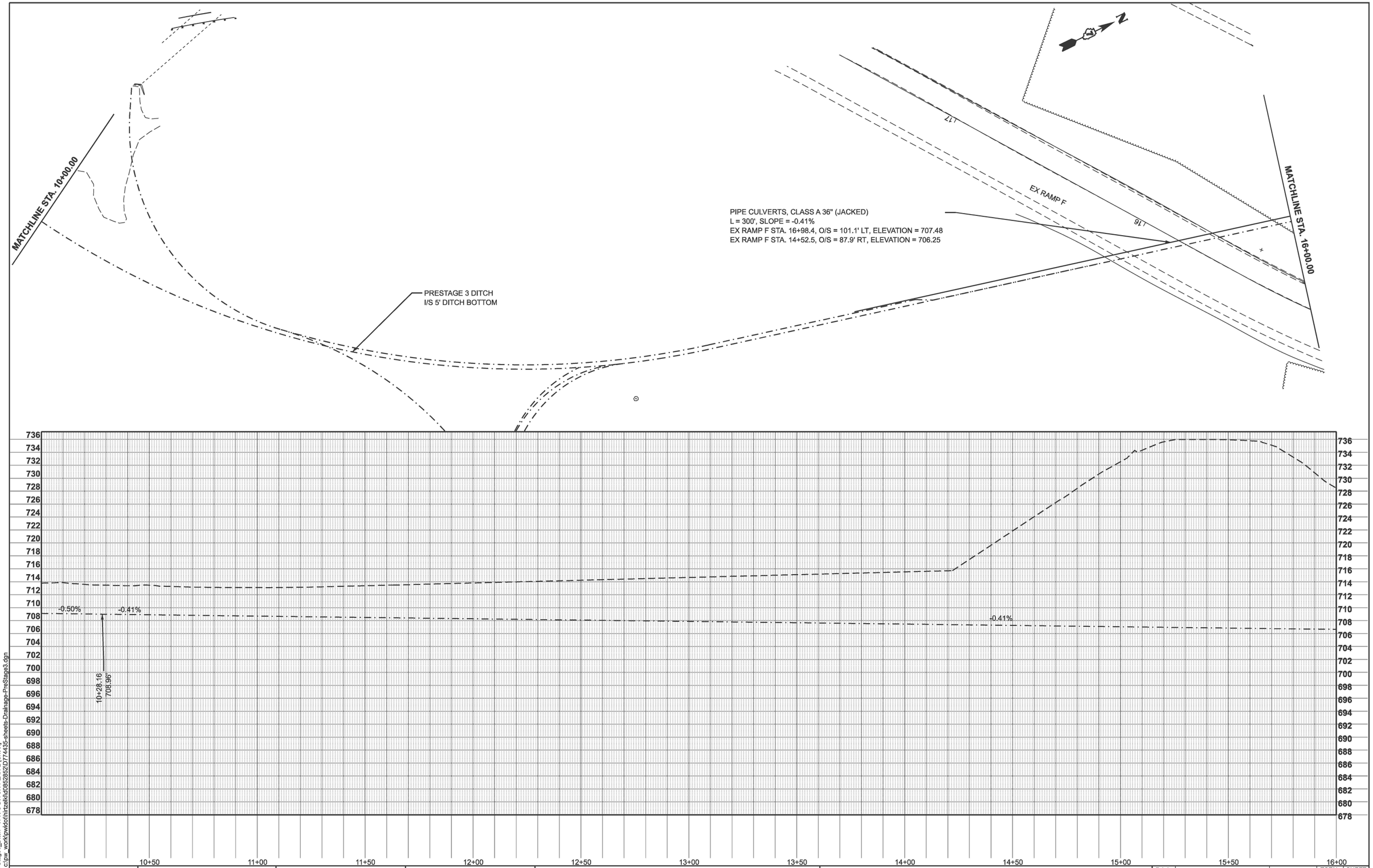
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE 3: 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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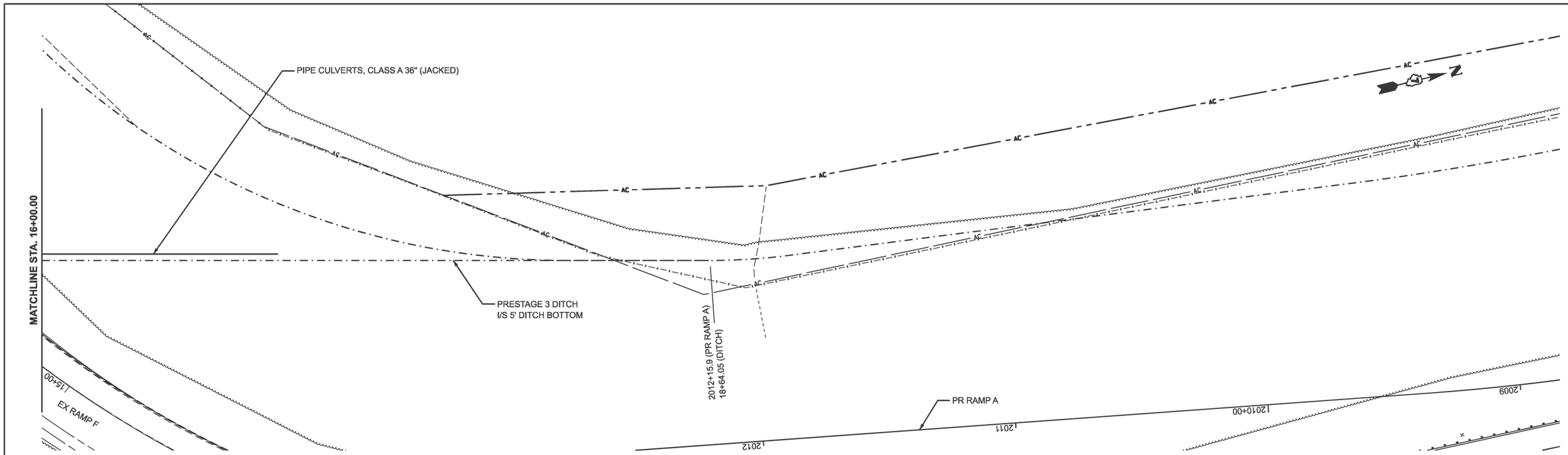
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

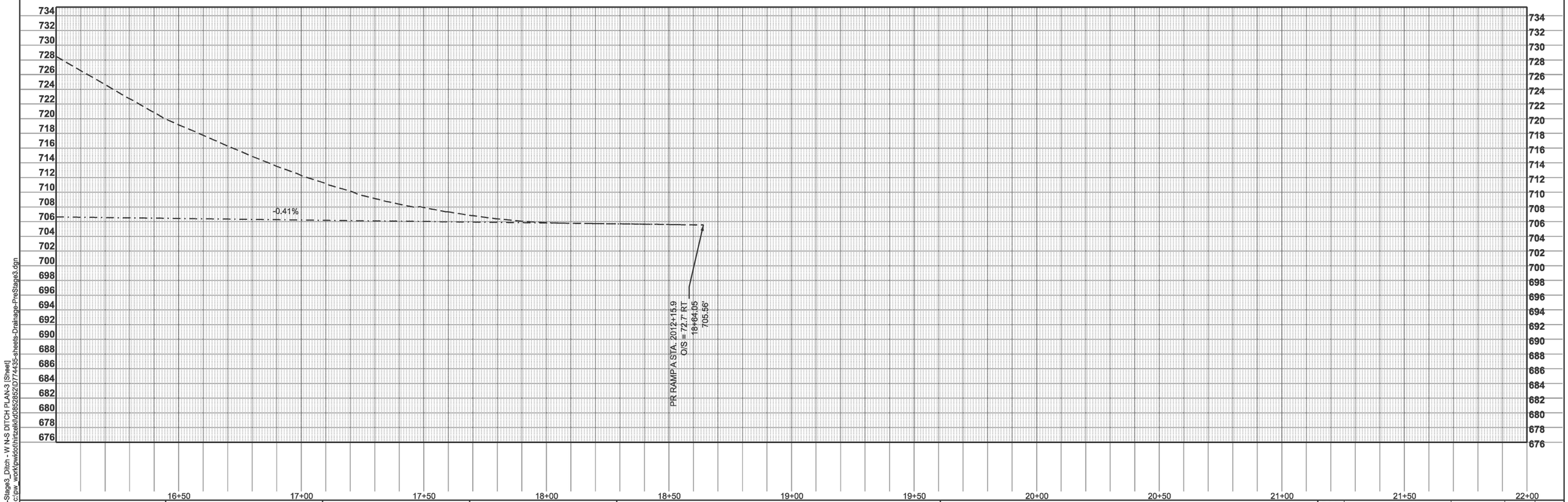
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE 3: 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]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D7744435-sheets-Drainage-PreStage3.dgn

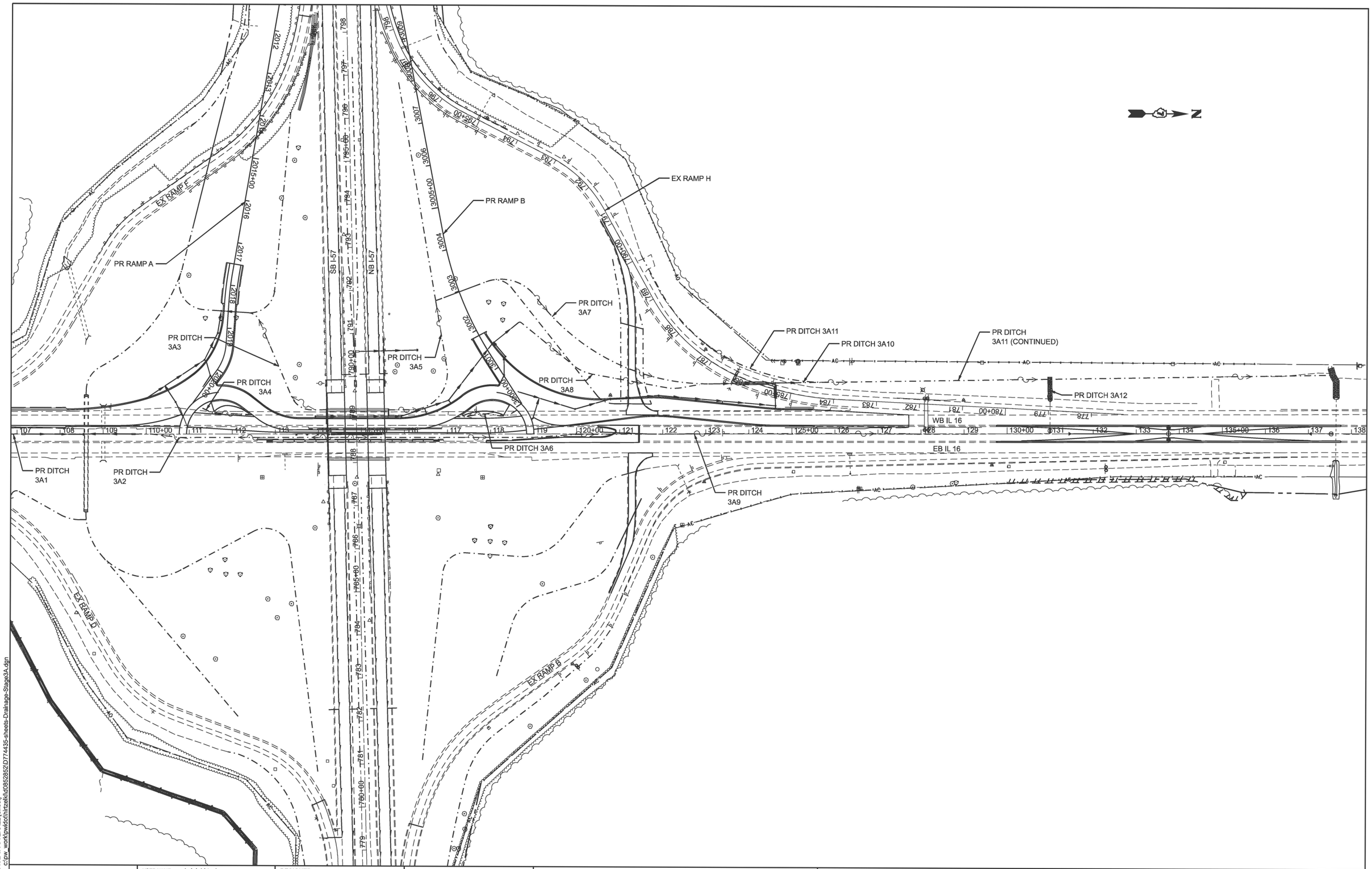
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
PRE-STAGE 3: 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\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

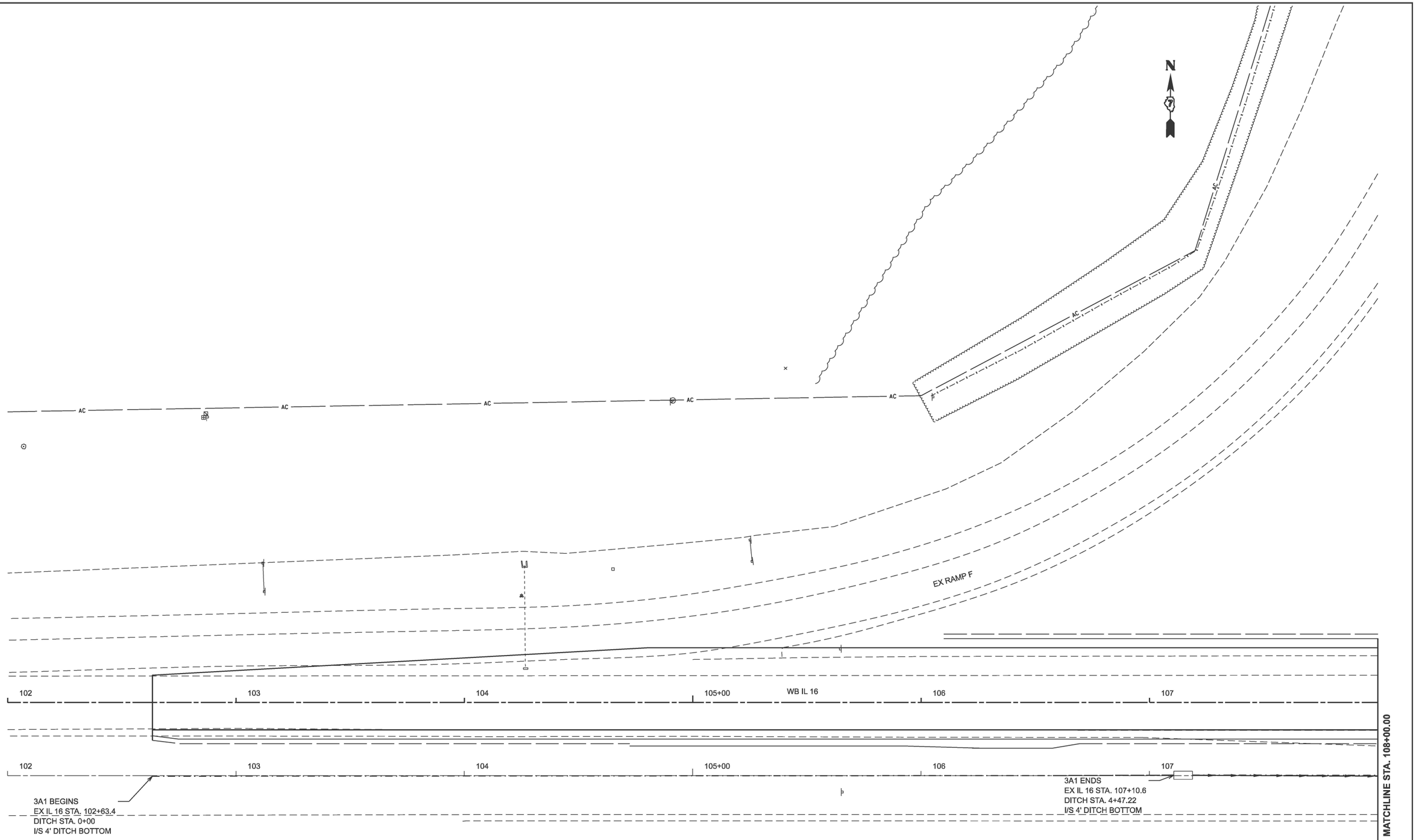
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 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	



MODEL: Ex IL 16 - STAGE 3A DRAINAGE [Sheet]
FILE NAME: c:\pw_work\pwdot\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: 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			

N

3A3 ENDS
PR RAMP A STA. 2018+60.9
DITCH STA. 3+18.25
CL 2' DITCH BOTTOM

3A3

3A3 TRANSITION FROM
6' WIDTH TO 2' WIDTH
L = 34.2'

3A4 BEGINS
EX IL 16 STA. 111+24.2
DITCH STA. 0+00
CL V-SHAPED DITCH

3A4 ENDS
EX IL 16 STA. 112+46.1
DITCH STA. 1+24.86
CL V-SHAPED DITCH

3A2 BEGINS
EX IL 16 STA. 110+10.8
DITCH STA. 0+00
CL V-SHAPED DITCH

PR RAMP A

WB IL 16

MATCHLINE STA. 108+00.00

MATCHLINE STA. 114+00.00

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 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	

MODEL: Ex IL 16 - STAGE 3A DRAINAGE-1 [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelk\d08528521D774435-sheets-Drainage-Stage3A.dgn

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: SS SCHEDULE-1 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D7744435-sheets-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: STORM SEWER SCHEDULE

SCALE: | SHEET 4 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	459
		CONTRACT NO. 74435		
	ILLINOIS | FED. AID PROJECT			

3A5 ENDS
PR RAMP B STA. 3002+98
DITCH STA. 3+54.71
CL 2' DITCH BOTTOM

3A7 BEGINS
PR RAMP B STA. 3002+98
DITCH STA. 0+00
CL 4' DITCH BOTTOM

3A7

3A8 BEGINS
PR RAMP B STA. 3001+66.6
DITCH STA. 0+00
CL 2' DITCH BOTTOM

PR RAMP B

3003

3002

3001

1792

1791

1790+00

SB I-57

NB I-57

3A3 TRANSITION FROM
6' WIDTH TO 2' WIDTH
L = 34.2'

3A3 BEGINS
EX IL 16 STA. 114+18
DITCH STA. 0+00
CL 6' DITCH BOTTOM

DITCH SUMMIT
EX IL 16 STA. 114+68.61
DITCH STA. 4+57.81

3A5 BEGINS
EX IL 16 STA. 115+06.6
DITCH STA. 0+00
CL 6' DITCH BOTTOM

TRANSITION DITCH BOTTOM
WIDTH 6' TO 2' (L = 34.2')

WB IL 16

3A6 BEGINS
EX IL 16 STA. 117+20.4
DITCH STA. 0+00
CL V-SHAPED DITCH

3A6 ENDS
EX IL 16 STA. 118+61.3
DITCH STA. 1+45.04
CL V-SHAPED DITCH

3A2 ENDS
EX IL 16 STA. 120+00
DITCH STA. 9+89.96
CL V-SHAPED DITCH

MATCHLINE STA. 114+00.00

MATCHLINE STA. 120+00.00

114 115+00 116 117 118 119 120+00

MODEL: Ex IL 16 - STAGE 3A DRAINAGE-2 [Sheet]
FILE NAME: c:\pw_work\pwidothirtzelkl\d0852862\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 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

MODEL: SS SCHEDULE-2 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

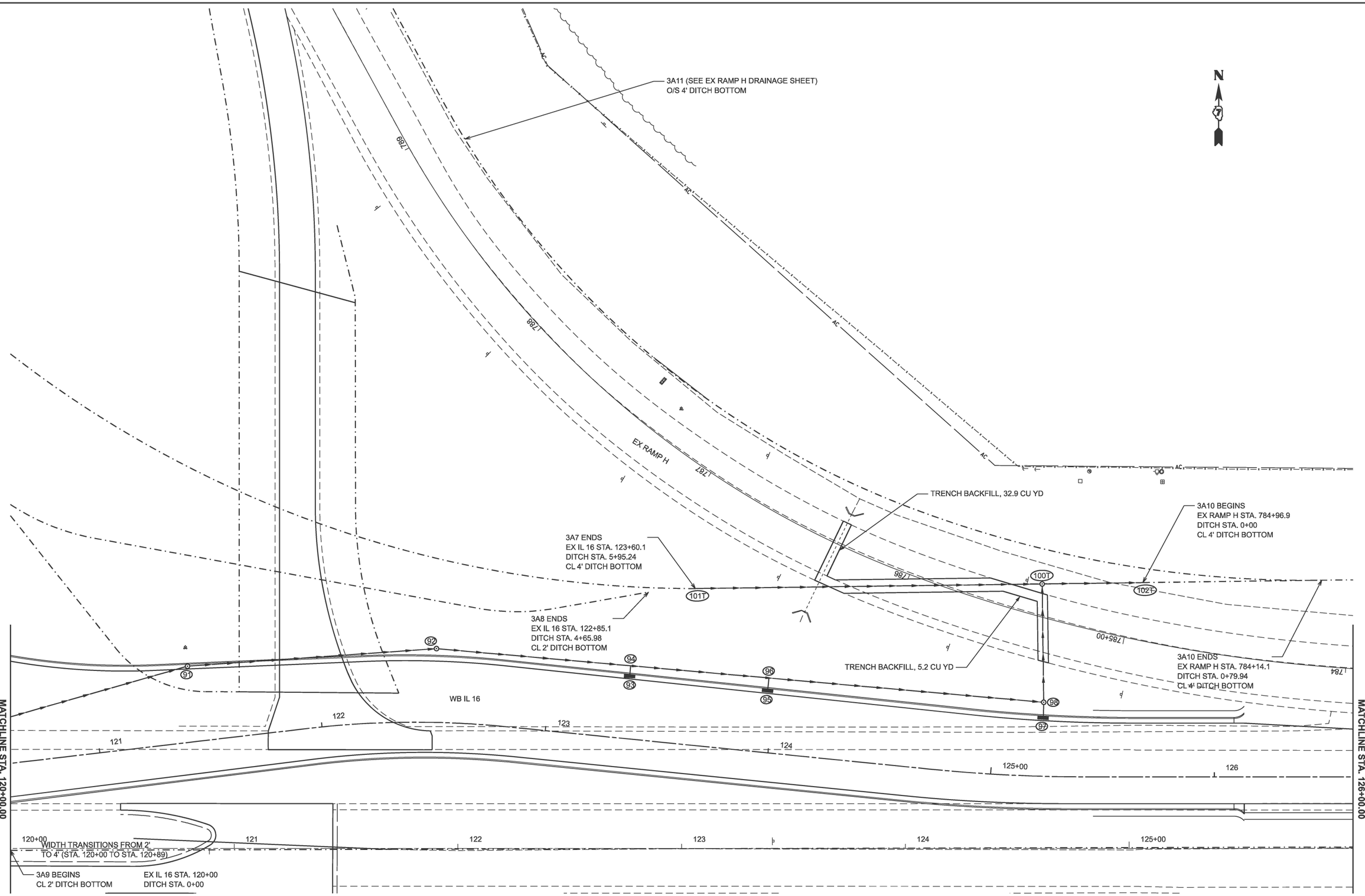
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: STORM SEWER SCHEDULE

SCALE: | SHEET 6 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	461
		CONTRACT NO. 74435		
	ILLINOIS FED. AID PROJECT			



MODEL: EX IL 16 - STAGE 3A DRAINAGE-3 [Sheet]
FILE NAME: c:\pw_work\pwdothirtzelkl\d08528528\D7774435-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: SS SCHEDULE-3 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelk\d0852852\D7744435-sheets-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: STORM SEWER SCHEDULE

SCALE: | SHEET 8 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	463
		CONTRACT NO. 74435		
	ILLINOIS FED. AID PROJECT			

N

AC P P AC AC AC AC AC AC AC

STONE RIPRAP, A3, 59.5 SQ YD
FILTER FABRIC, 59.5 SQ YD
10' WIDTH

3A11

O/S 4' DITCH BOTTOM

3A12 ENDS
EX IL 16 STA. 130.99.3
DITCH STA. 0+46.42
CL 4' DITCH BOTTOM

3A12 BEGINS
EX IL 16 STA. 131+00
DITCH STA. 0+00
CL 4' DITCH BOTTOM

EX RAMP H

MATCHLINE STA. 126+00.00

MATCHLINE STA. 132+00.00

127 128 128 WB IL 16 129 130+00 131

126 127 128 129 130+00 131

3A9 ENDS
EX IL 16 STA. 128+01.4
DITCH STA. 8+00.01
CL 4' DITCH BOTTOM

MODEL: Ex IL 16 - STAGE 3A DRAINAGE-4 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelk\d0852862\D774435-sheets-Drainage-Stage3A.dgn

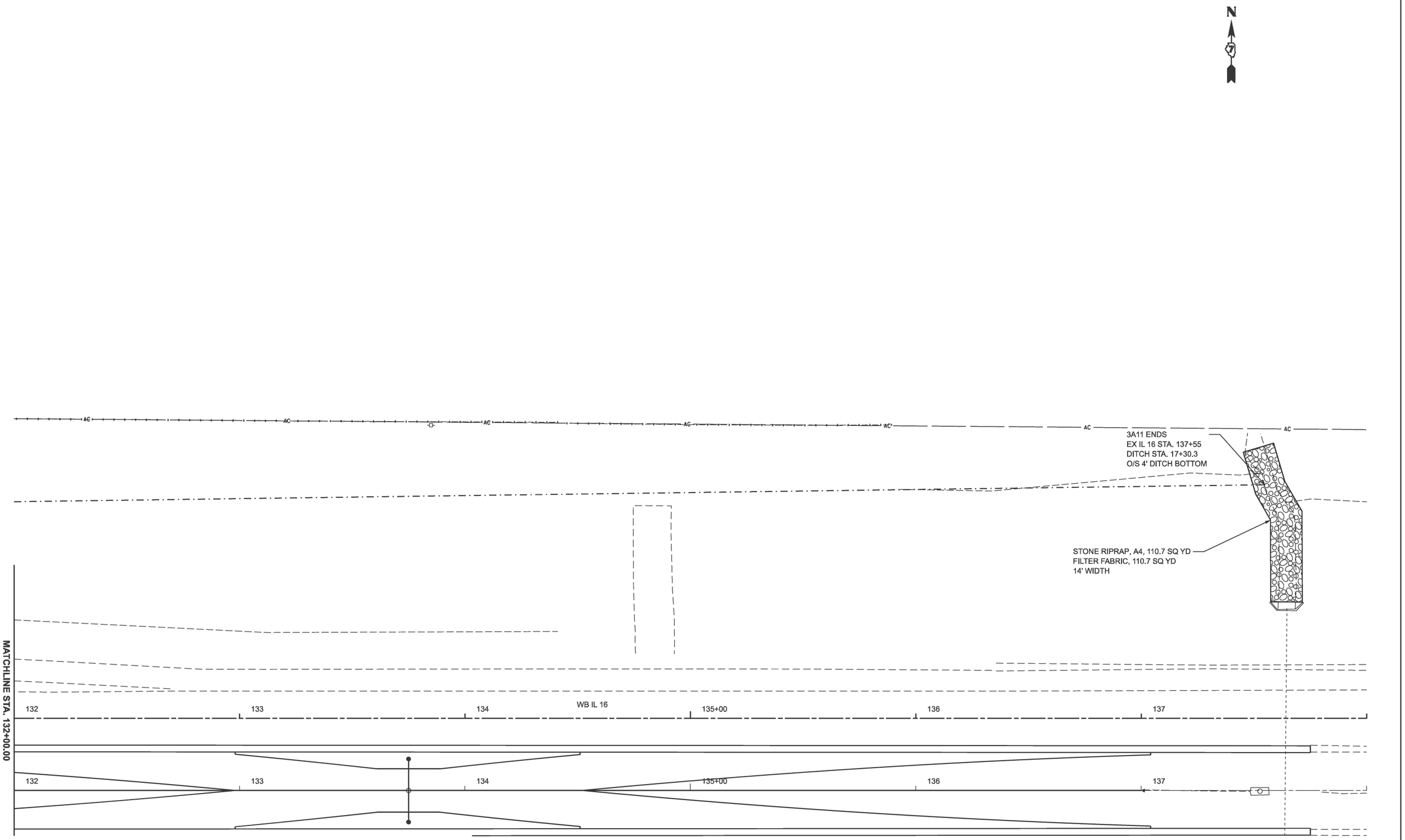
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

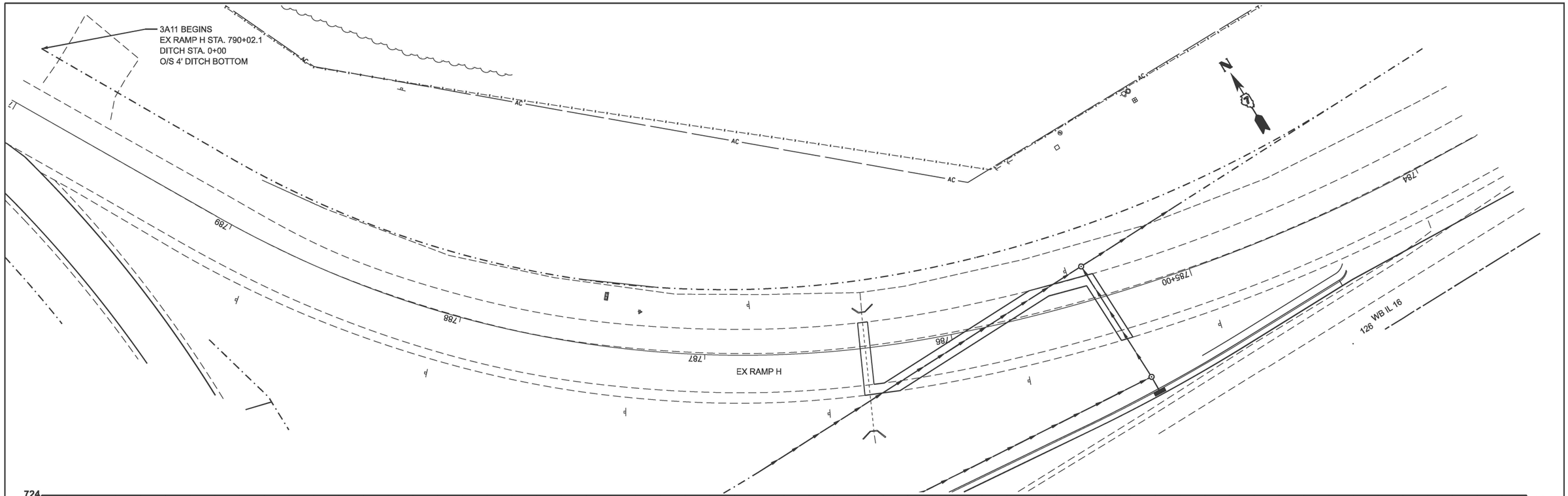
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 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\hirtzelkld\d0852852\D7744435-sheets-Drainage-Stage3A.dgn

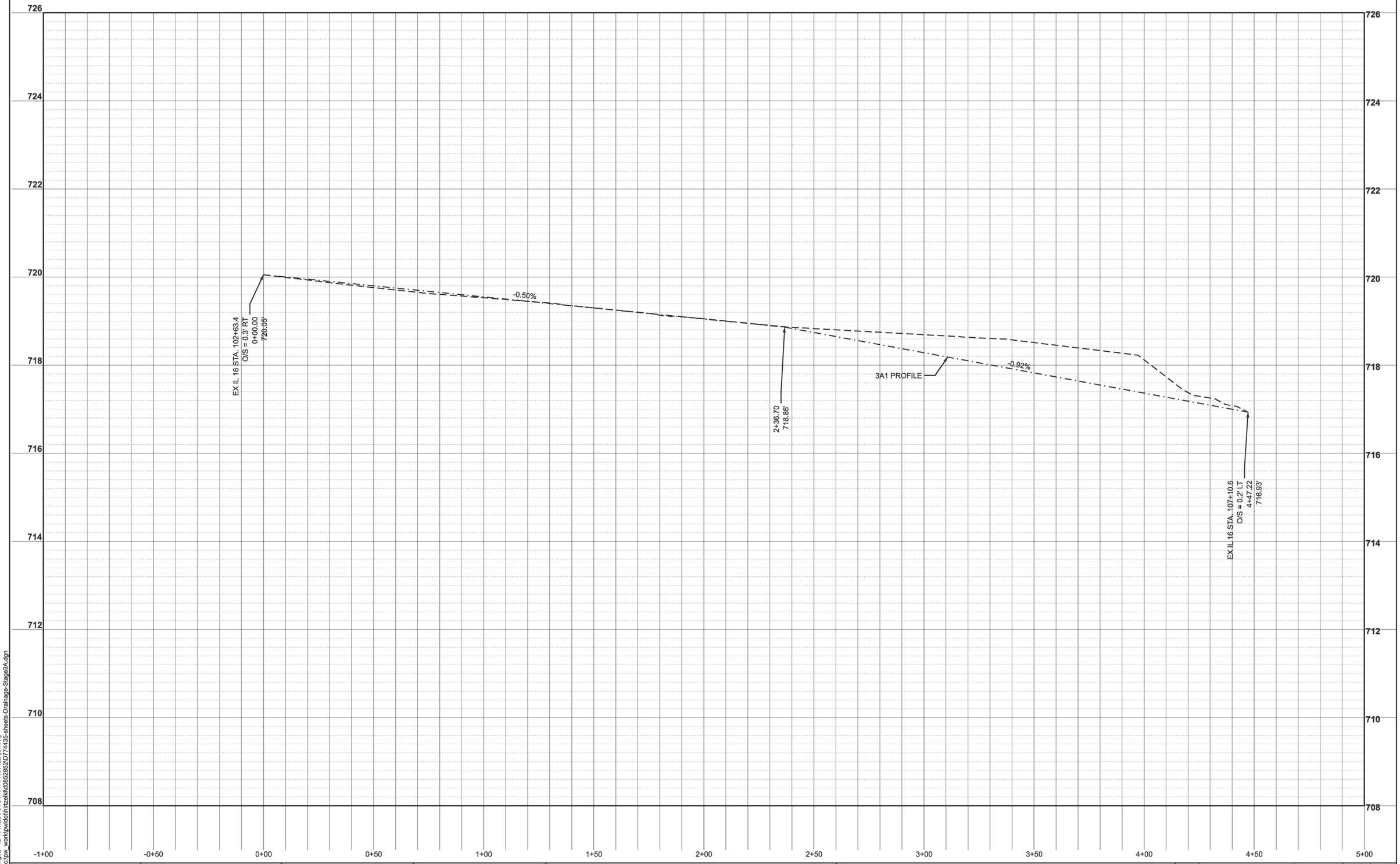
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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: GrHngs2 - IL 16 MEDIAN DITCH PROFILE [Sheet]
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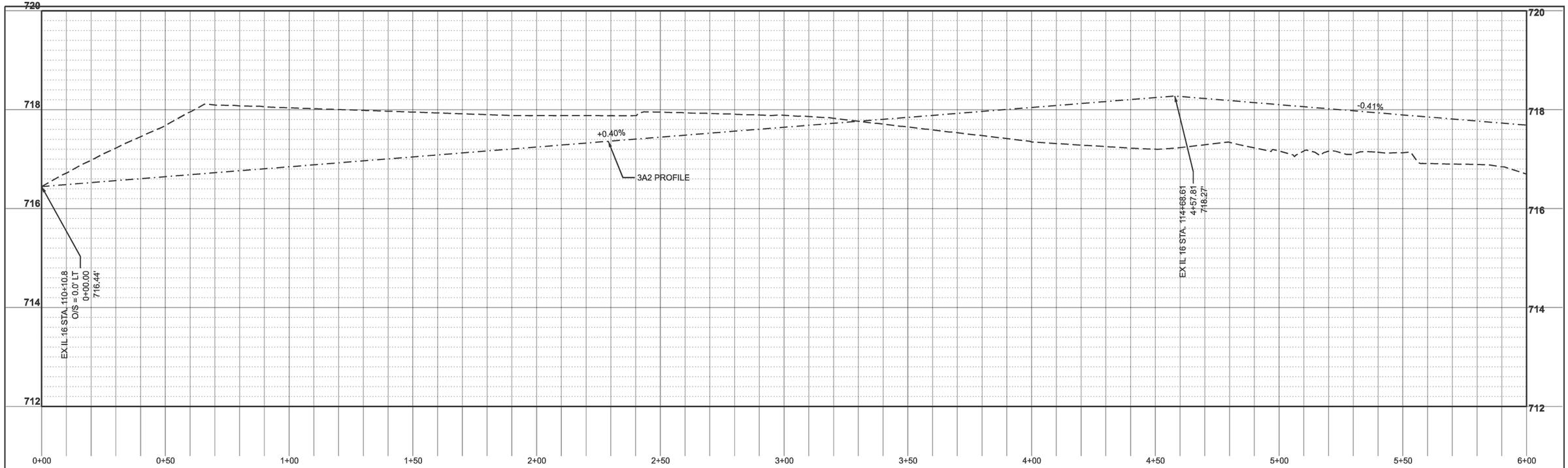
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

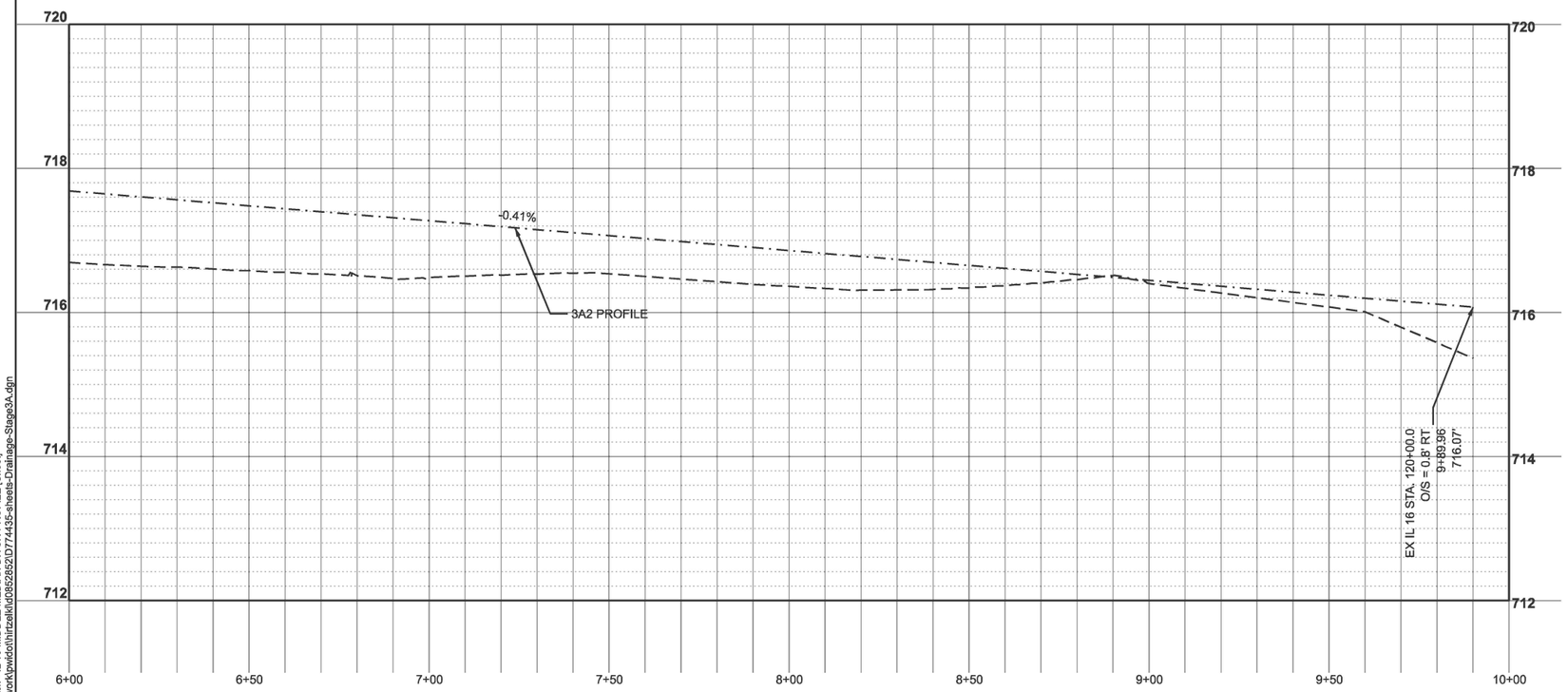
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
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\pwdot\hirtzelkl\d0852652\D7744435-sheets-Drainage-Stage3A.dgn

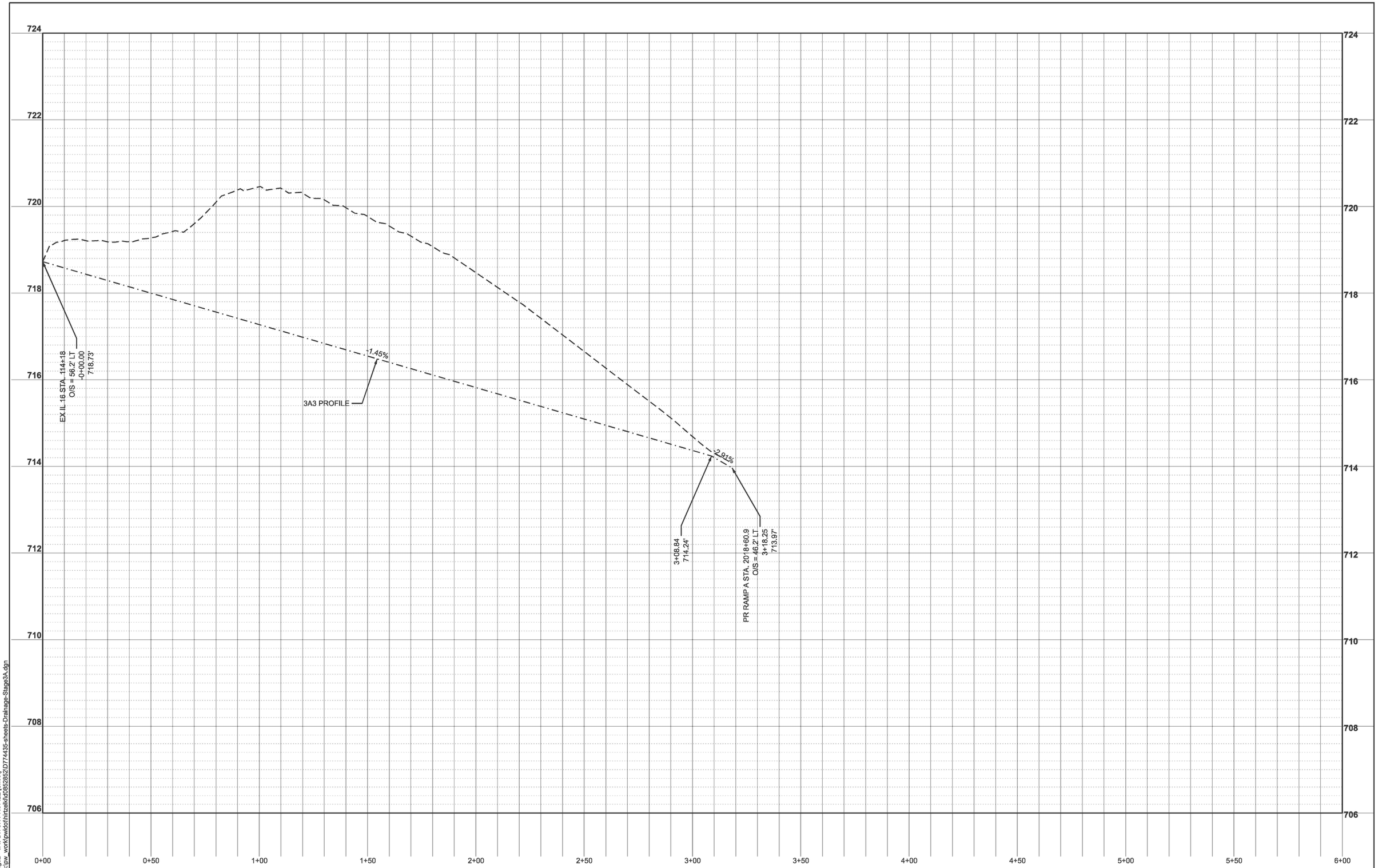
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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: GrHnge2 - 3A3 DITCH PROFILE [Sheet]
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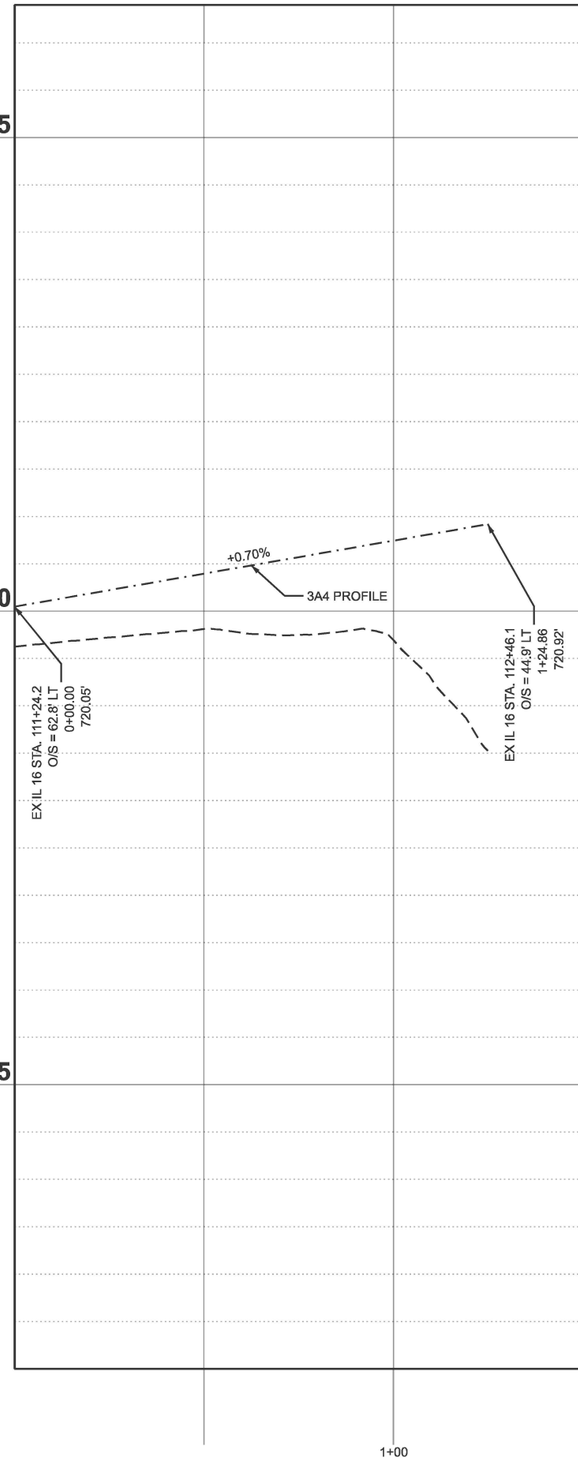
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 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]
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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: 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\hirtzel\d08528521D774435-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\pwdot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

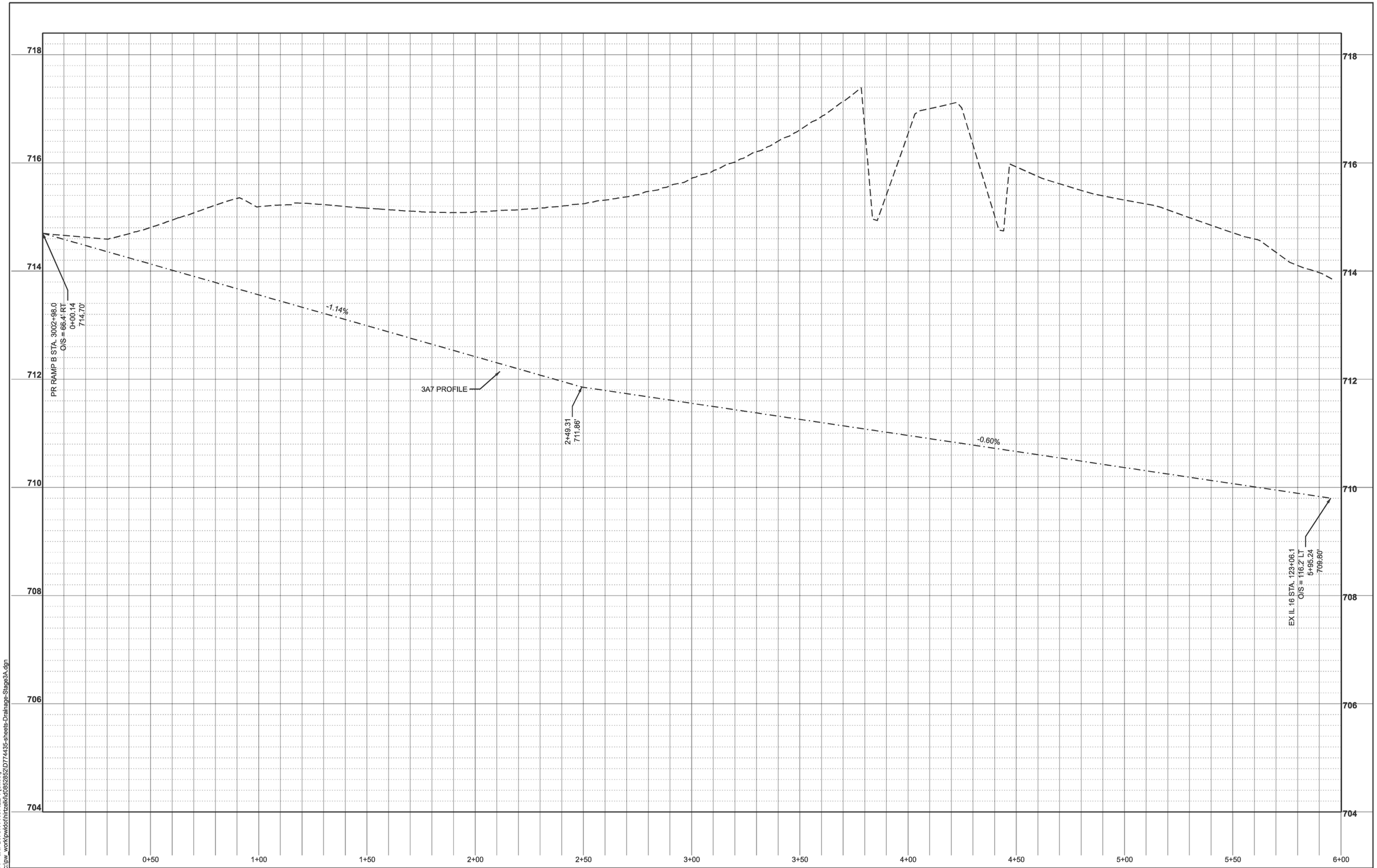
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 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]
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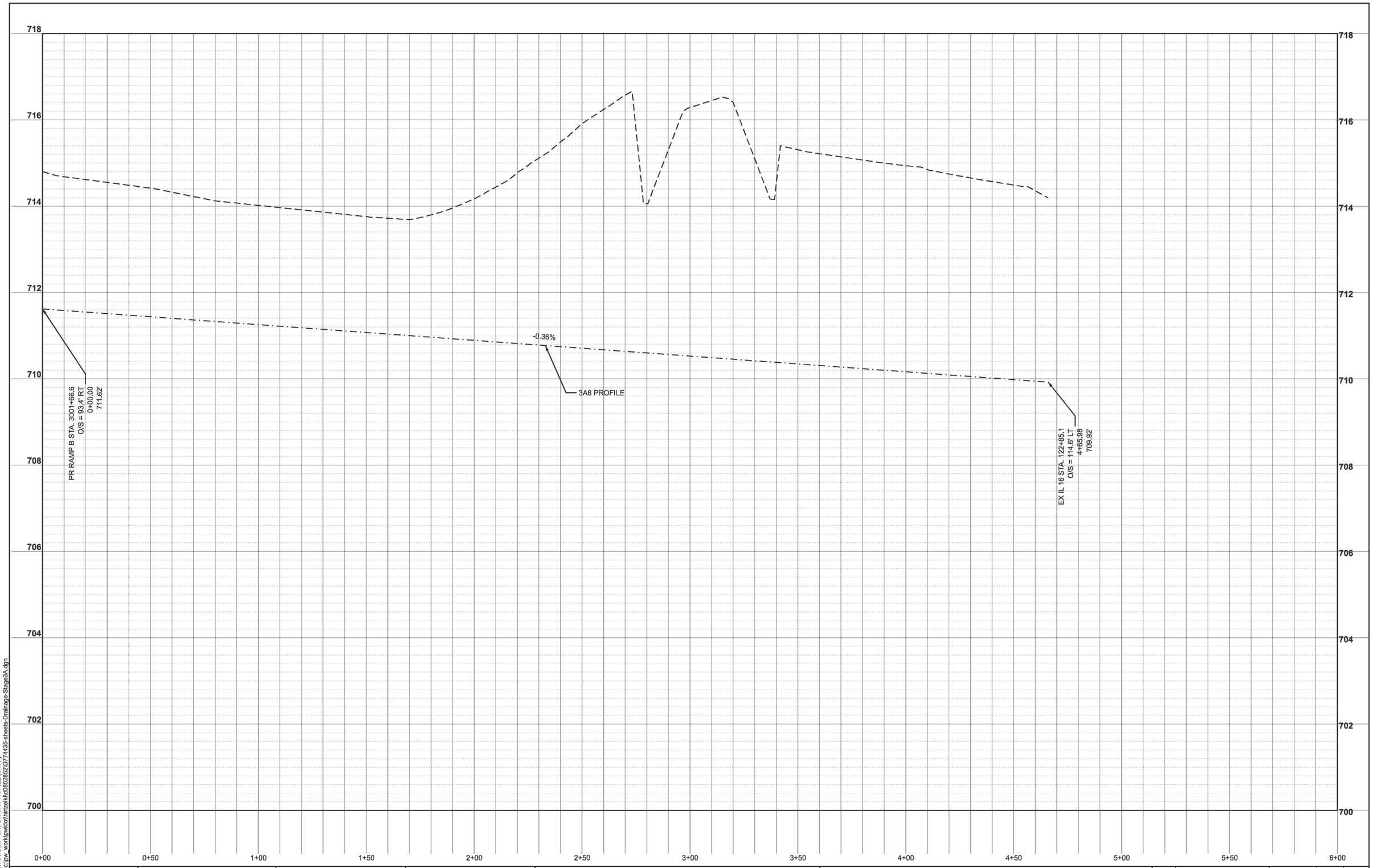
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 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\hirtzelk\d0852852\D774435-sheets-Drainage-Stage3A.dgn

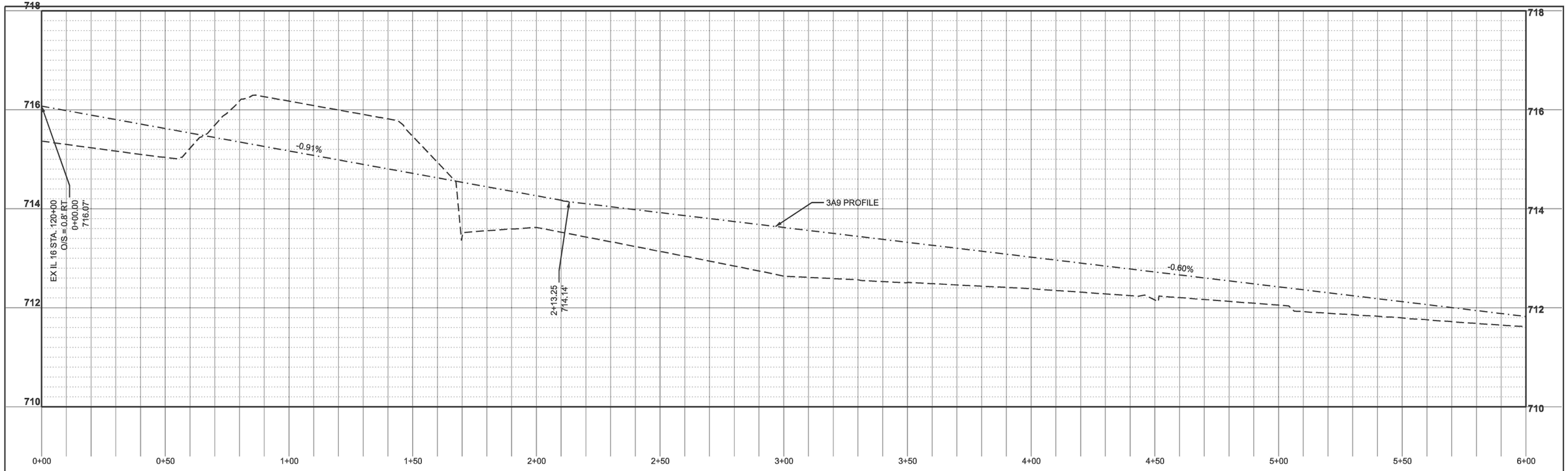
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

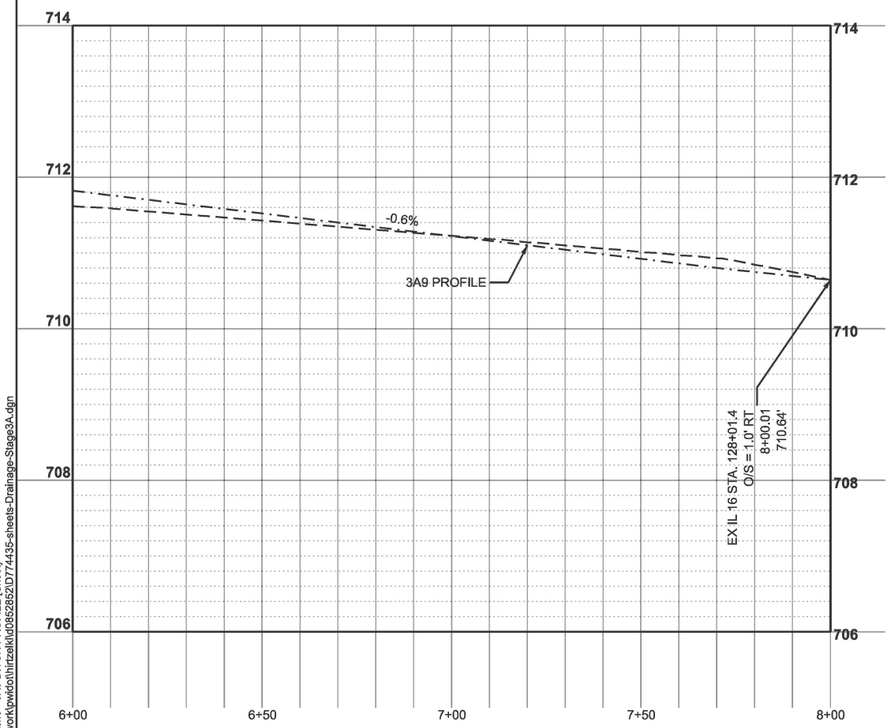
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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]
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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 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: GrDBgt - 3A10 DITCH PROFILE [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3A.dgn

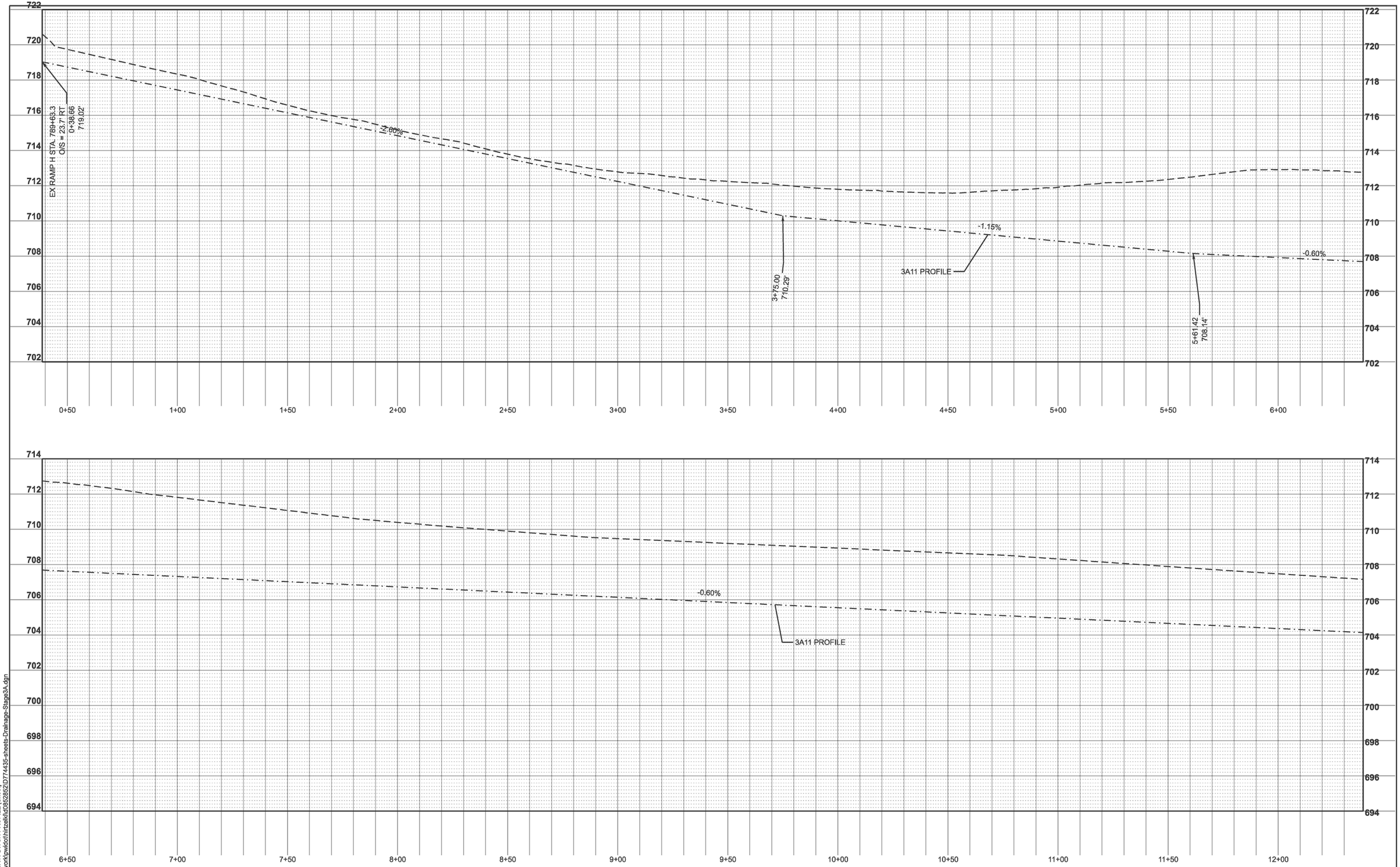
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3A: 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\pwdot\hirtzelkl\d0852852\D7744435-sheets-Drainage-Stage3A.dgn

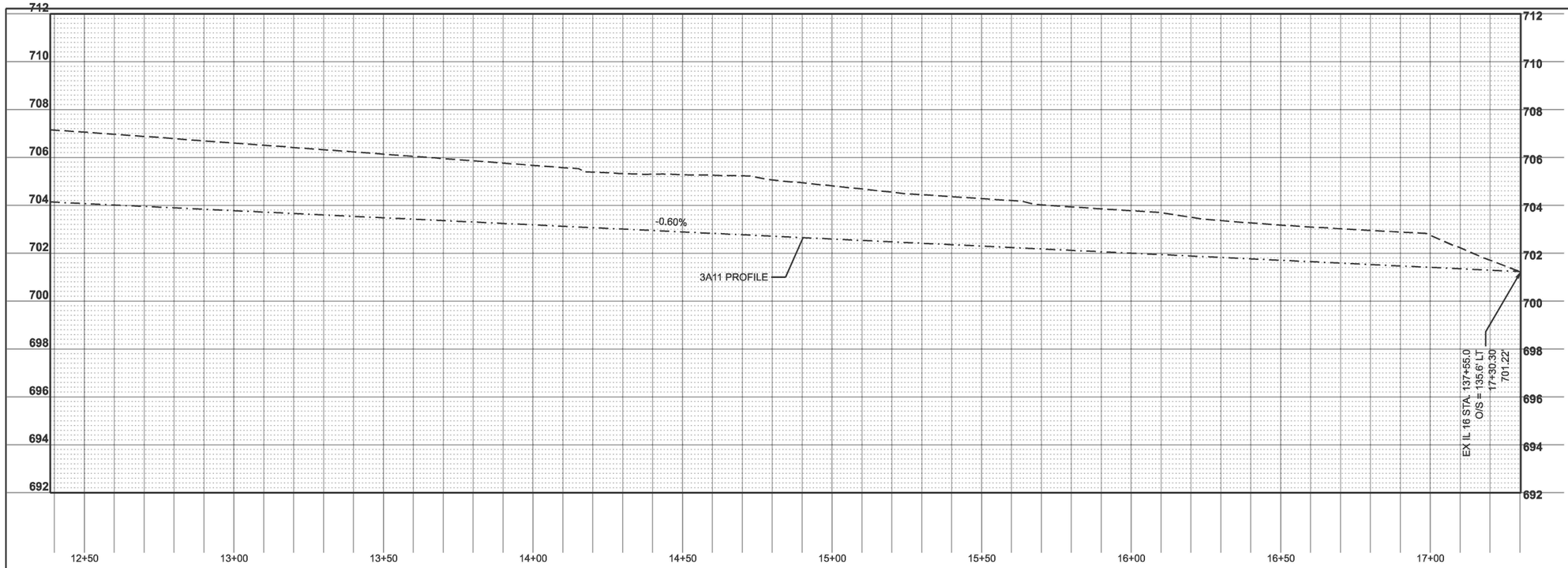
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = $SCALE$	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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: GrDBd4 - 3A11 DITCH PROFILE-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 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\pwdot\hirtzelk\d0852652\D7744435-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			

SWORDS DR

SWORDS DR

WB IL 16

EB IL 16

EX RAMP E

SB I-57

NB I-57

PR DITCH 3B9

PR DITCH 3B7

PR DITCH 3B1

PR SHARED-USE PATH

PR DITCH 3B2

PR DITCH 3B3

PR DITCH 3B5

PR DITCH 3B6

PR DITCH 3B8

PR DITCH 3B10

PR RAMP D

EX RAMP D

PR DITCH 3B4

PR DITCH 3B19

N

MODEL: STAGE 3B EAST [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3BRtpRap.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			

N

NB I-57

EXRAMP I

PR DITCH 3B9

PR DITCH 3B8

PR DITCH 3B10

PR DITCH 3B11

PR DITCH 3B22

PR DITCH 3B13

PR DITCH 3B14

PR DITCH 3B15

PRECAST CONCRETE BOX CULVERT, 8' X 3'

PR DITCH 3B16

PR DITCH 3B17

PR DITCH 3B18

COLES CENTER DR

WB IL 16

EB IL 16

EX RAMP B

PR DITCH 3B21

PR DITCH 3B12

PR RAMP C

PR DITCH 3B20

MODEL: STAGE 3B EAST-1 [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelk\d0852852\D774435-sheets-Drainage-Stage3BRipRap.dgn

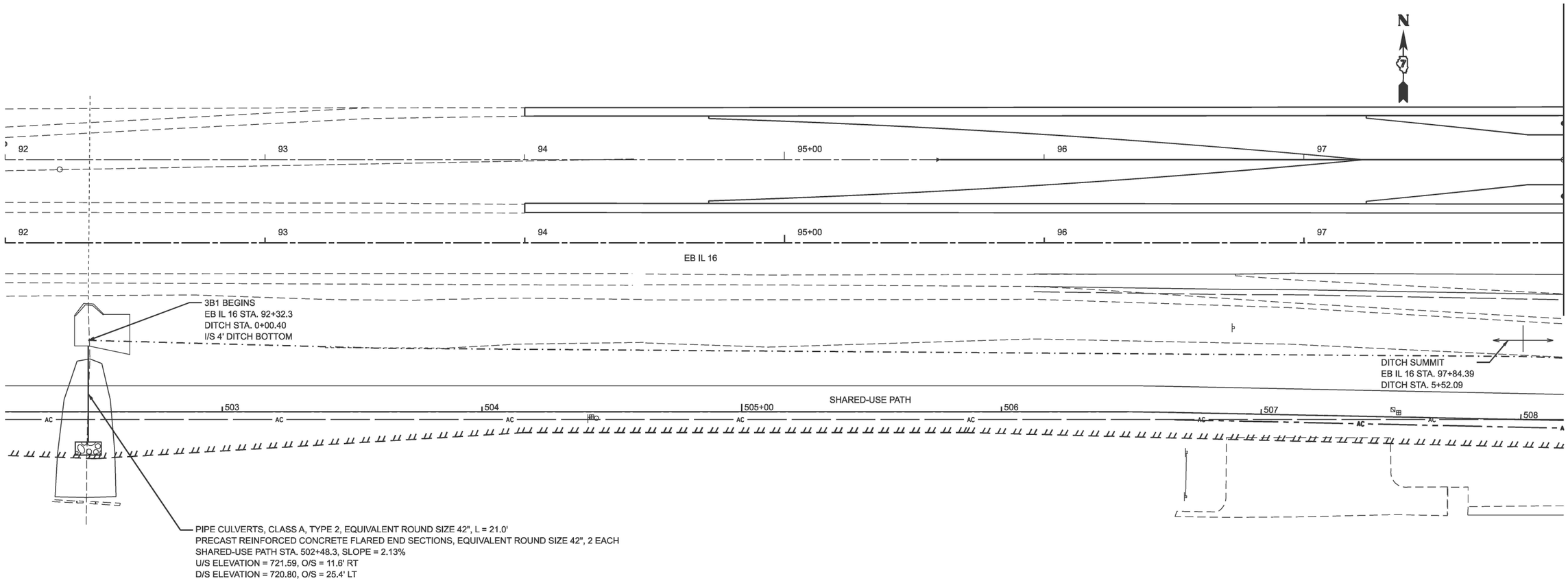
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = $SCALE$	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: 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		



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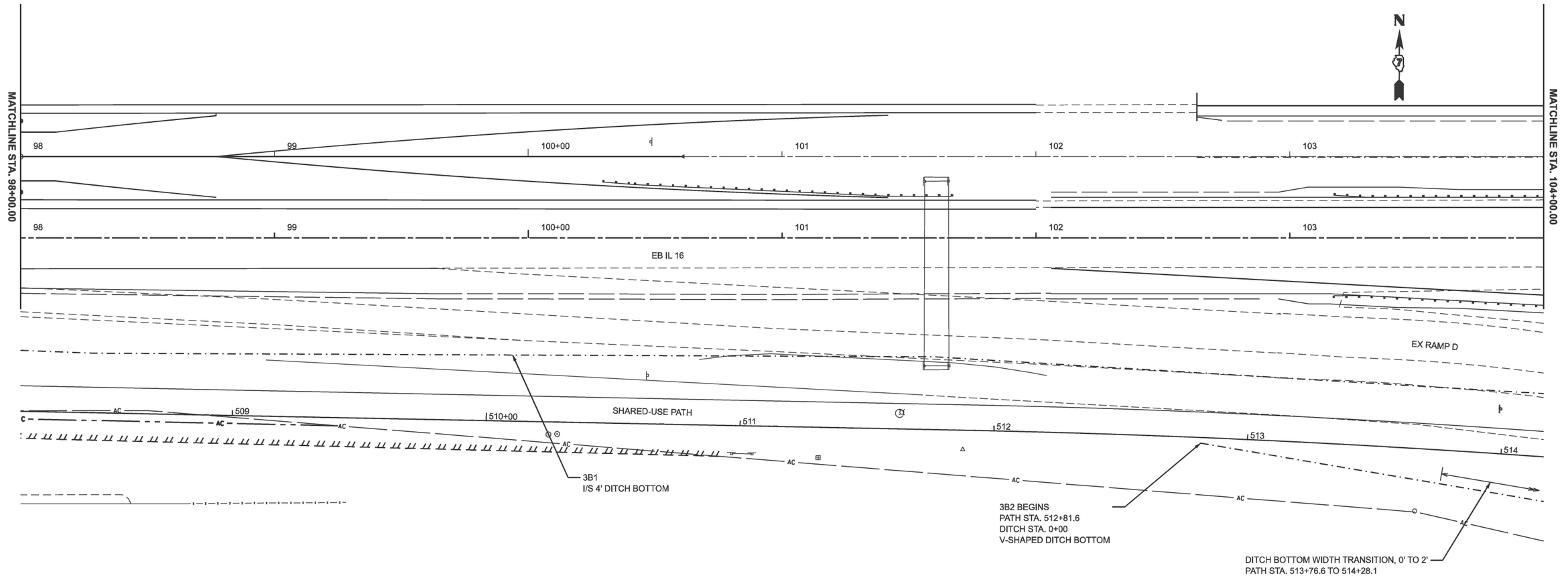
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

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			



MODEL: Ex IL 16 - NewIL 17 [Sheet]
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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 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

N

104 105+00 106 107 108 109

104 105+00 106 EB IL 16 107 108 109

41 42 43 44 46

515+00 516 517 518 519 520+00

145+00

SHARED-USE PATH

EX RAMP D

AC

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

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

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

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\pwdot\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 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

MODEL: SS NEW IL 18 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D774435-sheets-Drainage-Stage3B.dgn

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: STORM SEWER SCHEDULE

SCALE: | SHEET 6 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	485
		CONTRACT NO. 74435		
	ILLINOIS FED. AID PROJECT			

MATCHLINE STA. 110+00.00

3B7 ENDS
EX IL 16 STA. 110+94.4
DITCH STA. 2+35.22
V-SHAPED DITCH

3B7 BEGINS
EX IL 16 STA. 113+28.7
DITCH STA. 0+00
V-SHAPED DITCH

3B9 BEGINS
EX IL 16 STA. 115+64.5
DITCH STA. 0+00
V-SHAPED DITCH

MATCHLINE STA. 116+00.00

110+00 111 112 113 114 115+00 116

EB IL 16

525+00 526 527

3B6 BEGINS
PATH STA. 525+40.2
DITCH STA. 0+00
CL 2' DITCH BOTTOM

3B8 BEGINS
PATH STA. 526+86.1
DITCH STA. 0+00
CL 2' DITCH BOTTOM

SHARED-USE PATH

PR RAMP D

SB I-57

NB I-57

5001 5002 5003

521 522 523 524

788 787 786 785+00

3B5 DITCH BOTTOM WIDTH TRANSITION, 0' TO 4'
PR RAMP D STA. 5001+54.2 TO STA. 5001+33

3B5 BEGINS
PR RAMP D STA. 5001+54.2
DITCH STA. 0+00
V-SHAPED DITCH BOTTOM

3B6 ENDS
PATH STA. 522+82.7
DITCH STA. 2+53.43
CL 2' DITCH BOTTOM

N

MODEL: Ex IL 16 - NewIL19 [Sheet]
FILE NAME: c:\pw_work\pwdot\hirtzelkl\d08528521D777435-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

MODEL: SS NEW IL 19 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D7744335-sheets-Drainage-Stage3B.dgn

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: STORM SEWER SCHEDULE

SCALE: | SHEET 8 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	487
		CONTRACT NO. 74435		
	ILLINOIS	FED. AID PROJECT		

MATCHLINE STA. 116+00.00

MATCHLINE STA. 122+00.00

3B9 ENDS
EX IL 16 STA. 118+83.6
DITCH STA. 3+19.22
V-SHAPED DITCH

EB IL 16

SHARED-USE PATH

PR RAMP C

EX RAMP B

3B10 ENDS
PR RAMP C STA. 4018+52.0
DITCH STA. 0+79.6
I/S 4' DITCH BOTTOM

3B8 ENDS
PATH STA. 529+59.5
DITCH STA. 2+98.94
CL 2' DITCH BOTTOM

3B11 BEGINS
PR RAMP C STA. 4018+52.0
DITCH STA. 1+64.77
I/S 4' DITCH BOTTOM

3B12 ENDS
PR RAMP C STA. 4018+74.7
DITCH STA. 6+05.83
I/S 4' DITCH BOTTOM

3B11 ENDS
PATH STA. 533+33.5
DITCH STA. 4+89.13
I/S 4' DITCH BOTTOM

3B21 ENDS
PATH STA. 533+03.42
DITCH STA. 1+77.44
CL 4' DITCH DITCH BOTTOM

DITCH BOTTOM WIDTH TRANSITION, 0' TO 4'
EX RAMP B STA. 87+55.91 TO STA. 87+98.40

L = 49'

3B10 BEGINS
PR RAMP C STA. 4017+98.2
DITCH STA. 0+00
I/S 4' DITCH BOTTOM

3B12
I/S 4' DITCH BOTTOM
(SEE PR RAMP C SHEETS)

3B21 BEGINS
EX RAMP B STA. 87+55.91
DITCH STA. 0+00
V-SHAPED DITCH BOTTOM

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			

MODEL: Ex IL 16 - NewIL20 [Sheet]
FILE NAME: c:\pw_work\dot\hirtzelkl\d08528521D774435-sheets-Drainage-Stage3B.dgn

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

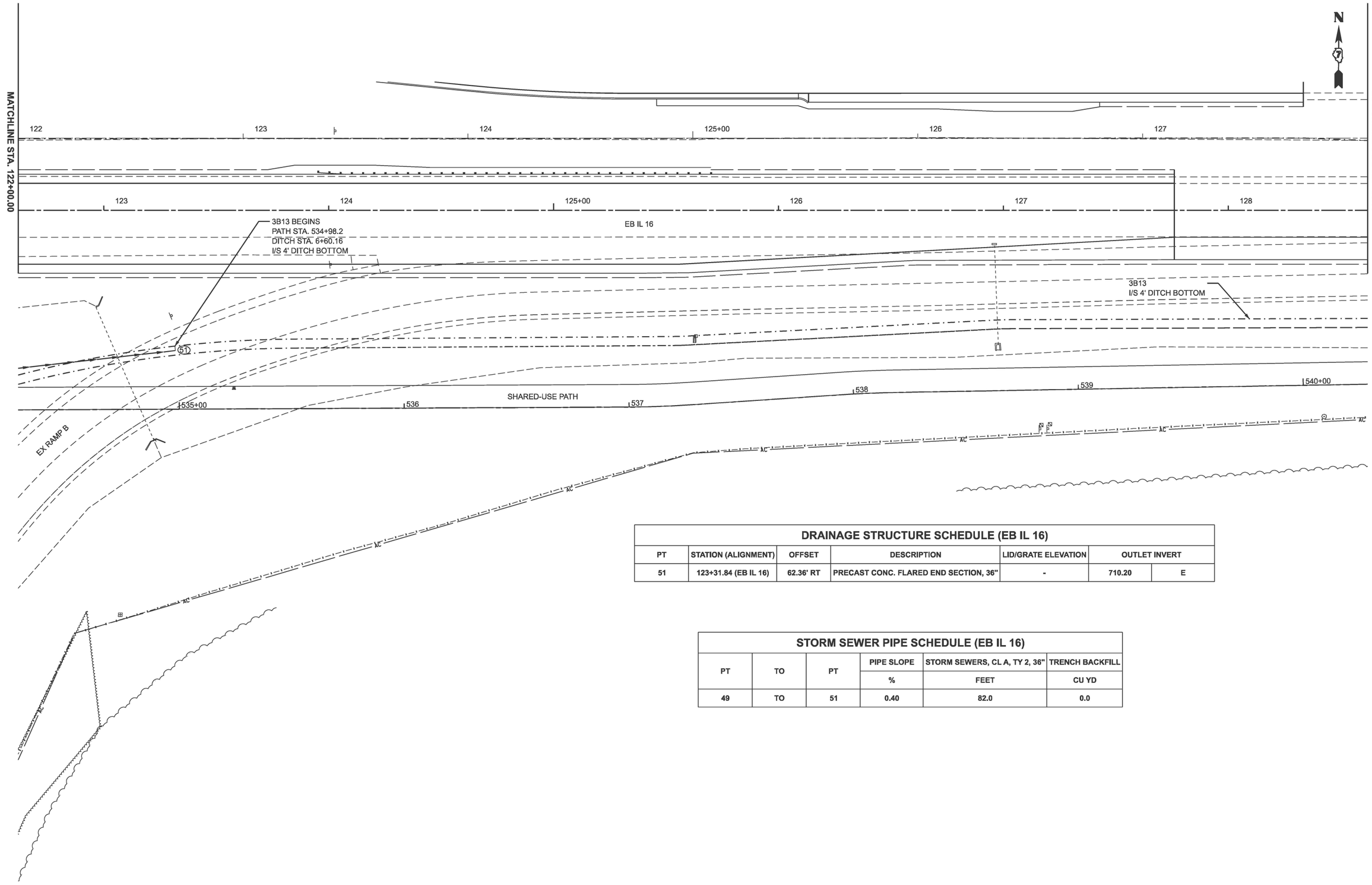
MODEL: SS NEW IL 20 [Sheet]
FILE NAME: c:\pw_work\pwidot\hirtzelkl\d0852852\D1774435-sheets-Drainage-Stage3B.dgn

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: STORM SEWER SCHEDULE

SCALE: | SHEET 10 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	489
		CONTRACT NO. 74435		
	ILLINOIS FED. AID PROJECT			



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

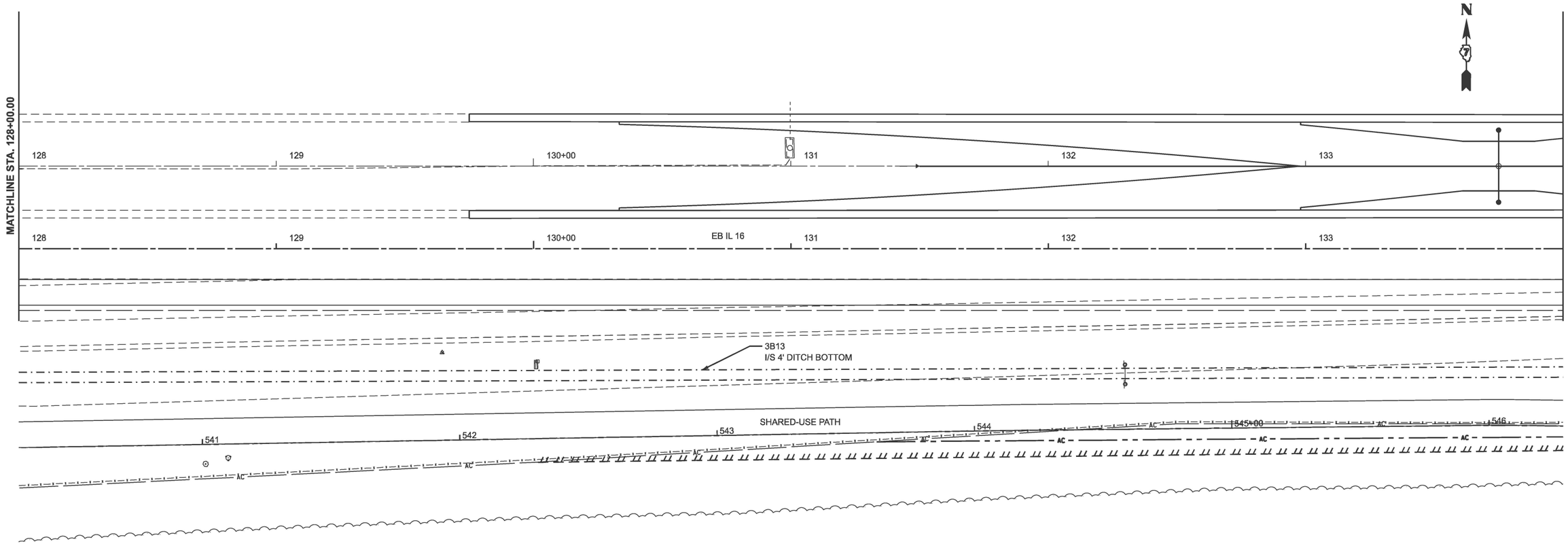
MODEL: Ex IL 16 - NewIL21 [Sheet]
FILE NAME: c:\pw_work\pwidothirzelk\d0852852\D7774435-sheets-Drainage-Stage3B.dgn

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 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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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 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			

MATCHLINE STA. 134+00.00

MATCHLINE STA. 140+00.00

134 135+00 136 137 138 139

EB IL 16

134 135+00 136 137 138 139

SHARED-USE PATH

AC 547 548 549 550+00 551 552

DITCH BOTTOM WIDTH TRANSITION, 0' TO 2'
PATH STA. 547+22 TO STA. 547+58.7

DITCH BOTTOM WIDTH TRANSITION, 2' TO 0'
PATH STA. 550+01.1 TO STA. 551+10

3B13 ENDS
PATH STA. 549+95.7
DITCH STA. 21+57.98
I/S 4' DITCH BOTTOM

3B17 BEGINS
PATH STA. 549+96.1
DITCH STA. 0+00
I/S 4' DITCH BOTTOM

3B14 BEGINS
PATH STA. 547+00
DITCH STA. 0+00
V-SHAPED DITCH

3B15 ENDS
PATH STA. 547+75.0
DITCH STA. 0+39.34
O/S 2' DITCH BOTTOM

3B15 BEGINS
PATH STA. 547+56.9
DITCH STA. 0+00
O/S 2' DITCH BOTTOM

3B14 ENDS
PATH STA. 549+88.1
DITCH STA. 2+89.05
I/S 2' DITCH BOTTOM

3B16 BEGINS
PATH STA. 549+96.1
DITCH STA. 0+00
O/S 2' DITCH BOTTOM

3B16 ENDS
PATH STA. 555+18.9
DITCH STA. 5+22.18
V-SHAPED DITCH

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\pwdot\hirtzelkt\d08528521D777435-sheets-Drainage-Stage3B.dgn

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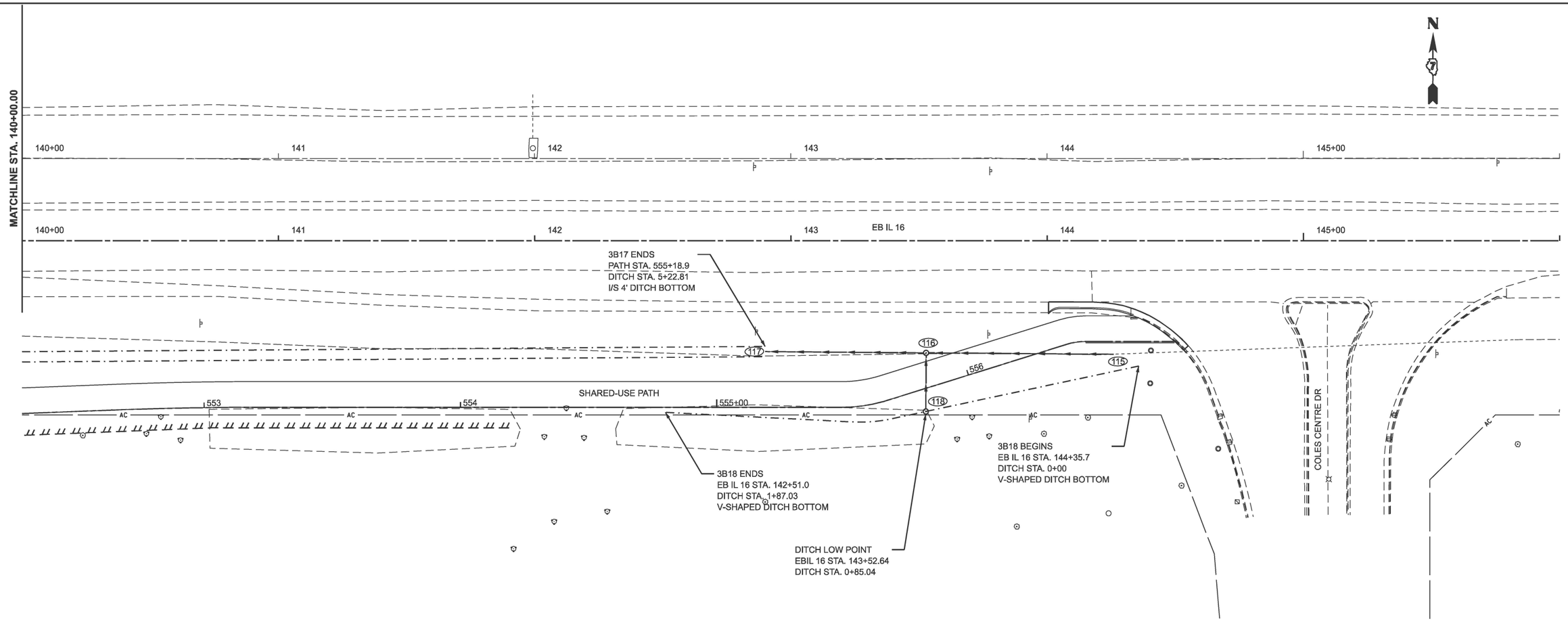
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: 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]
FILE NAME: c:\pw_work\pwdot\hirtzelkl\d0852852\D7774435-sheets-Drainage-Stage3B.dgn

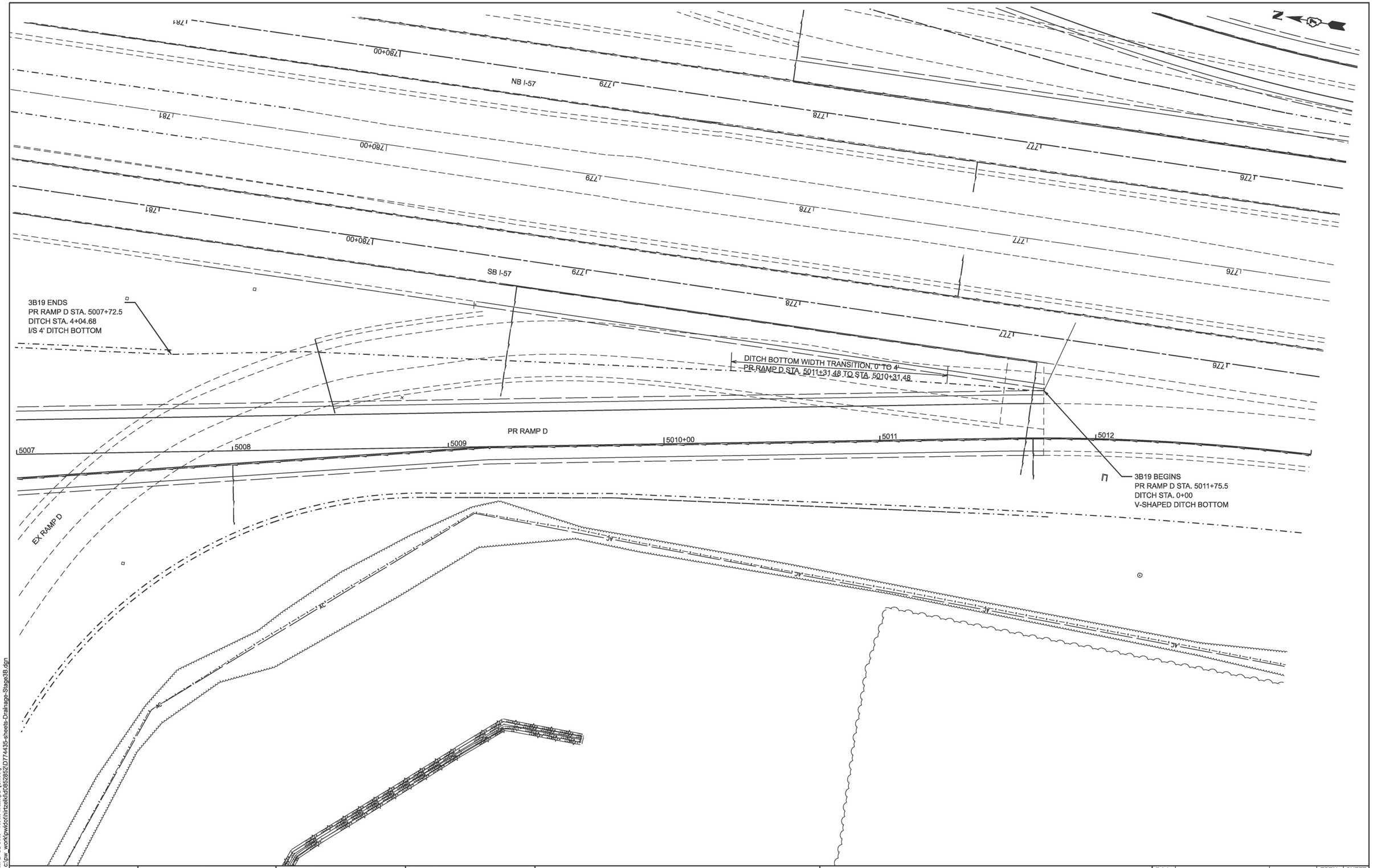
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: EB IL 16

SCALE: 1"=20' | SHEET 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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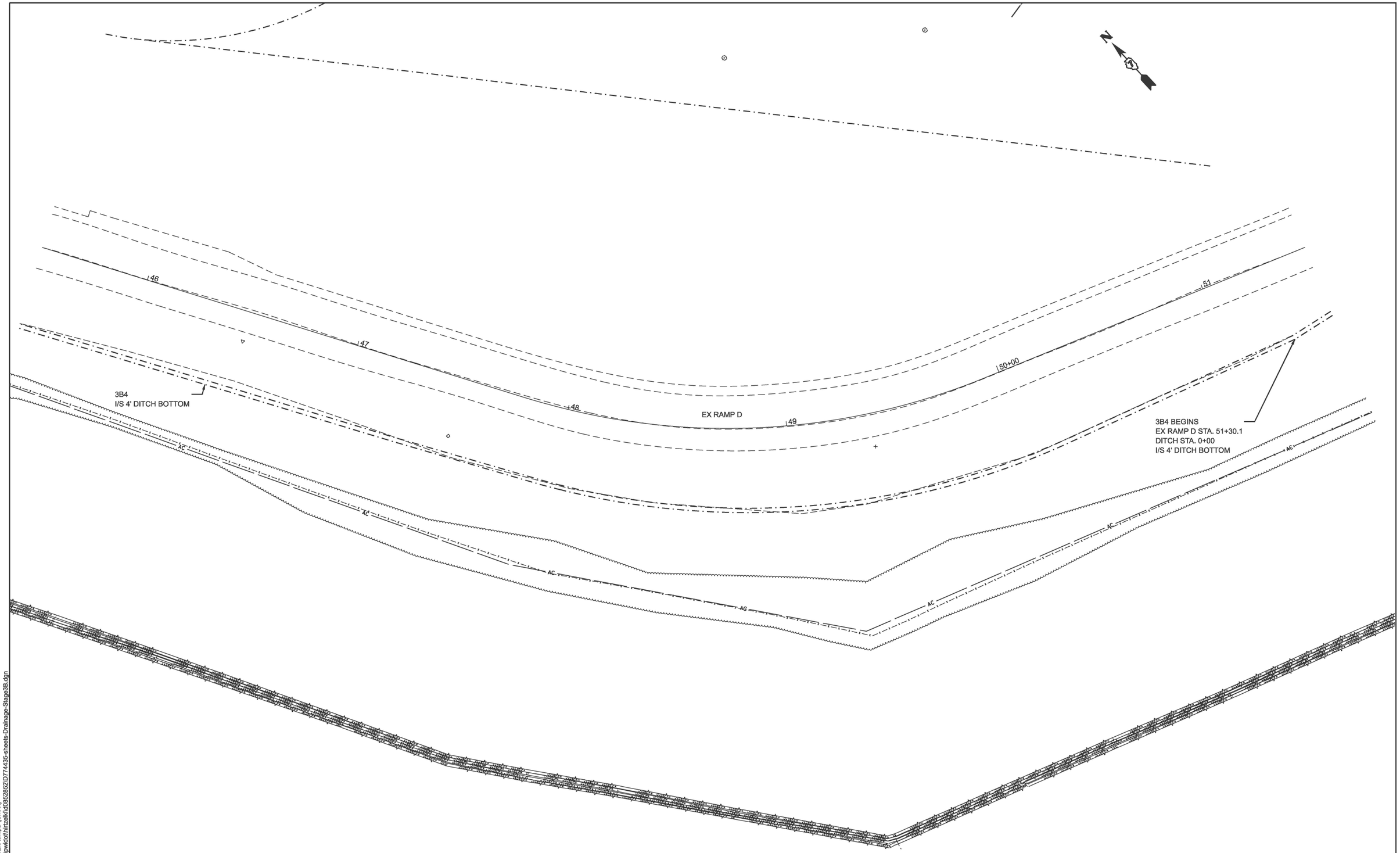
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: 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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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: 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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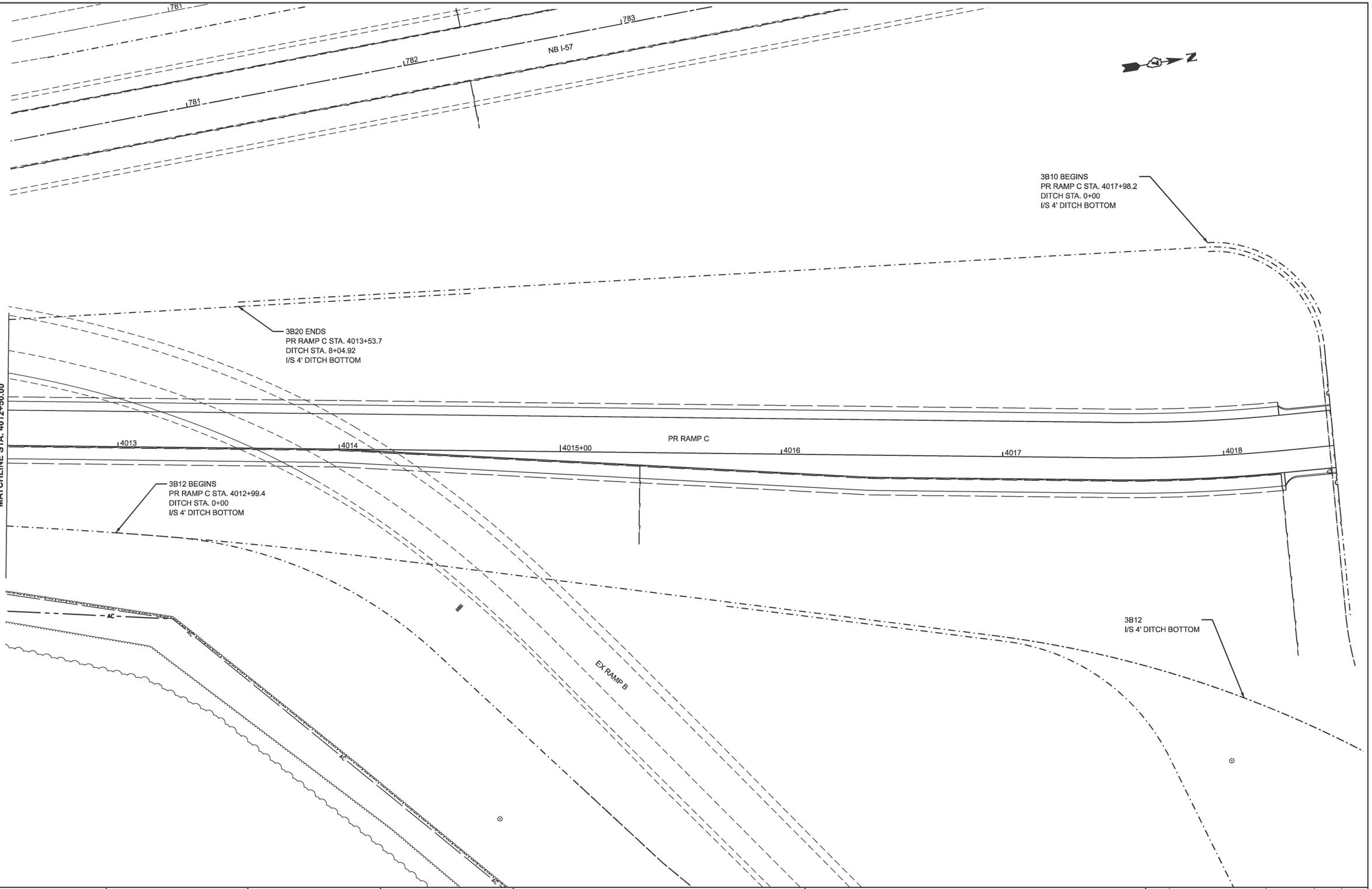
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: 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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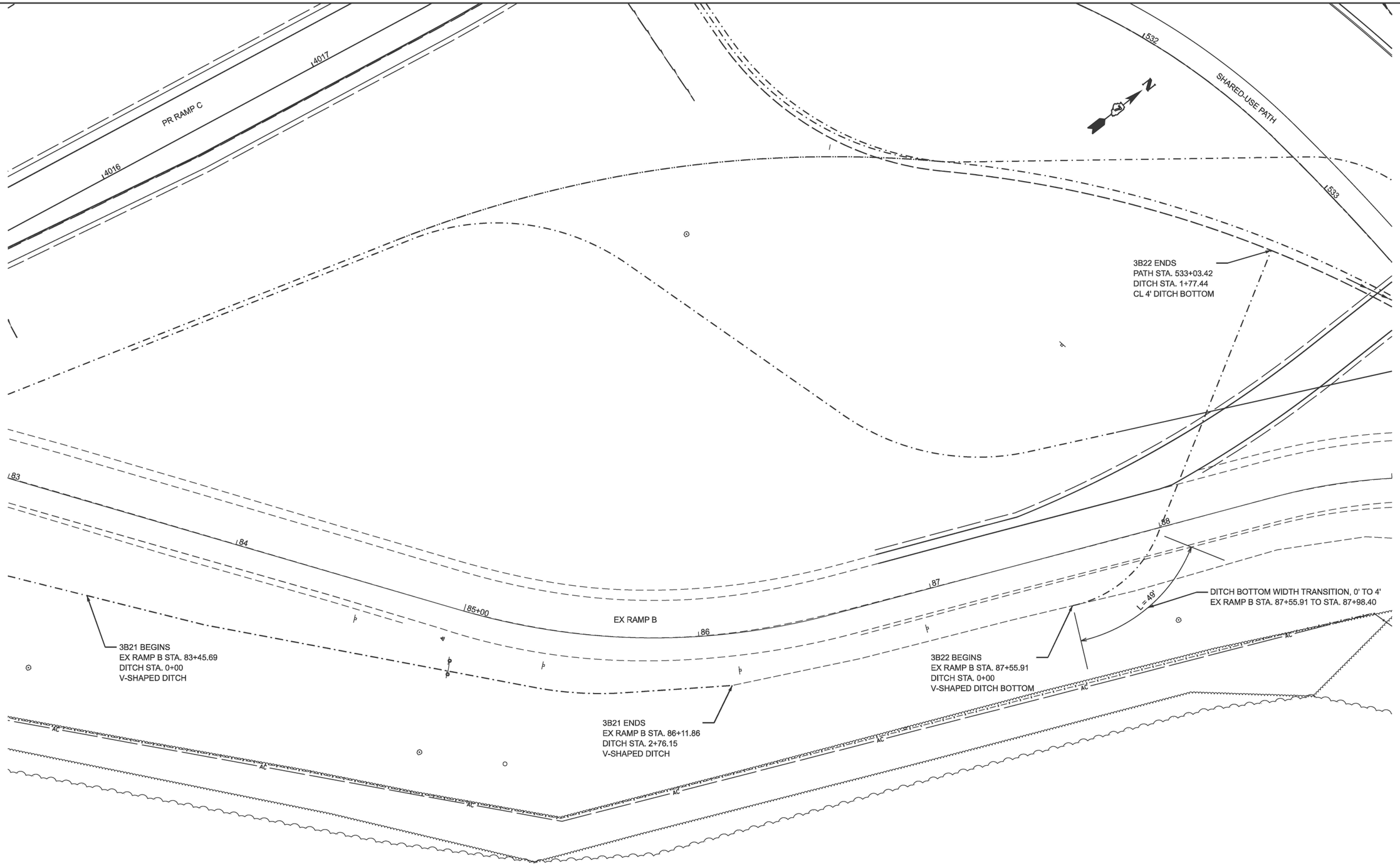
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: 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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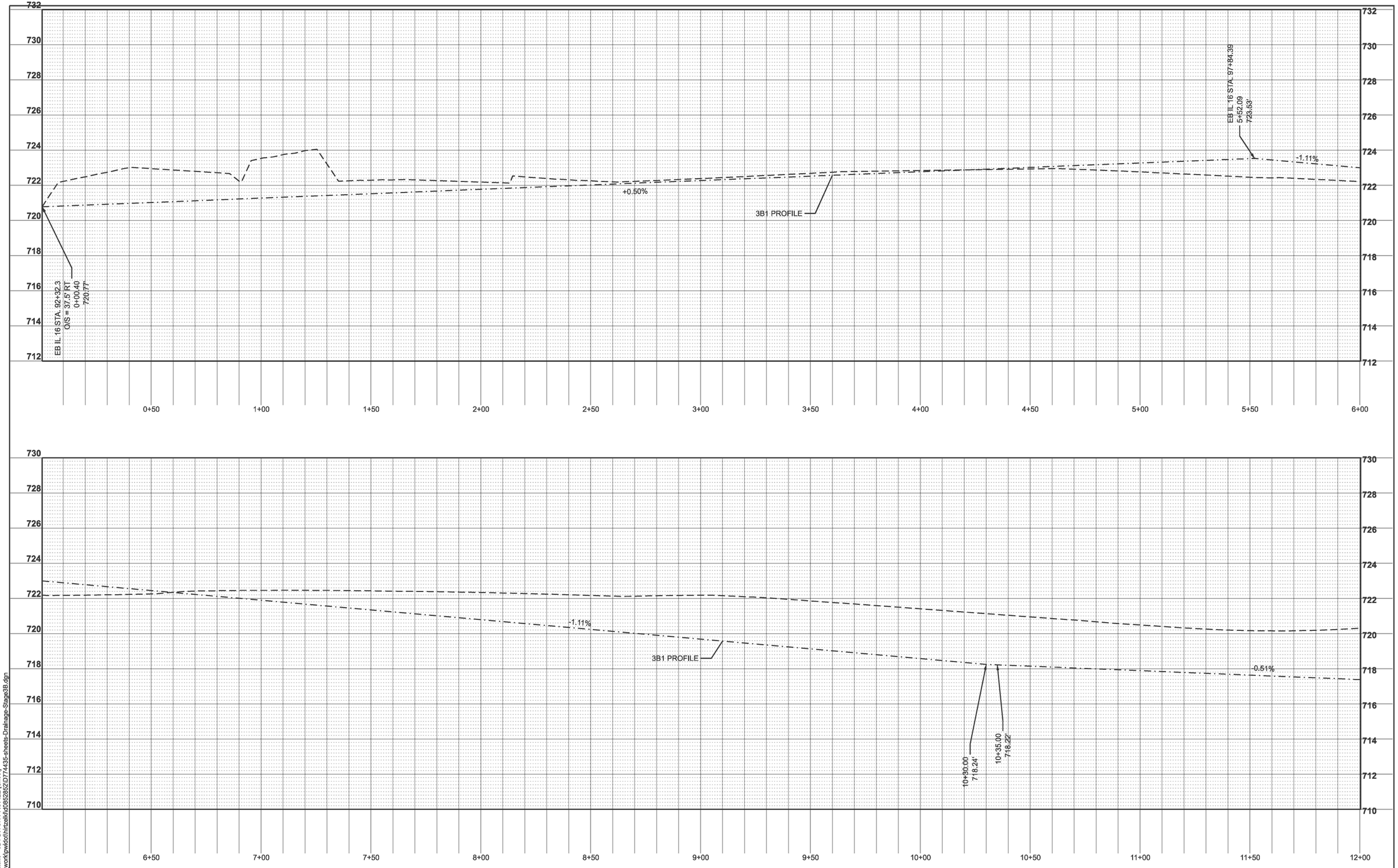
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 8/20/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
STAGE 3B: 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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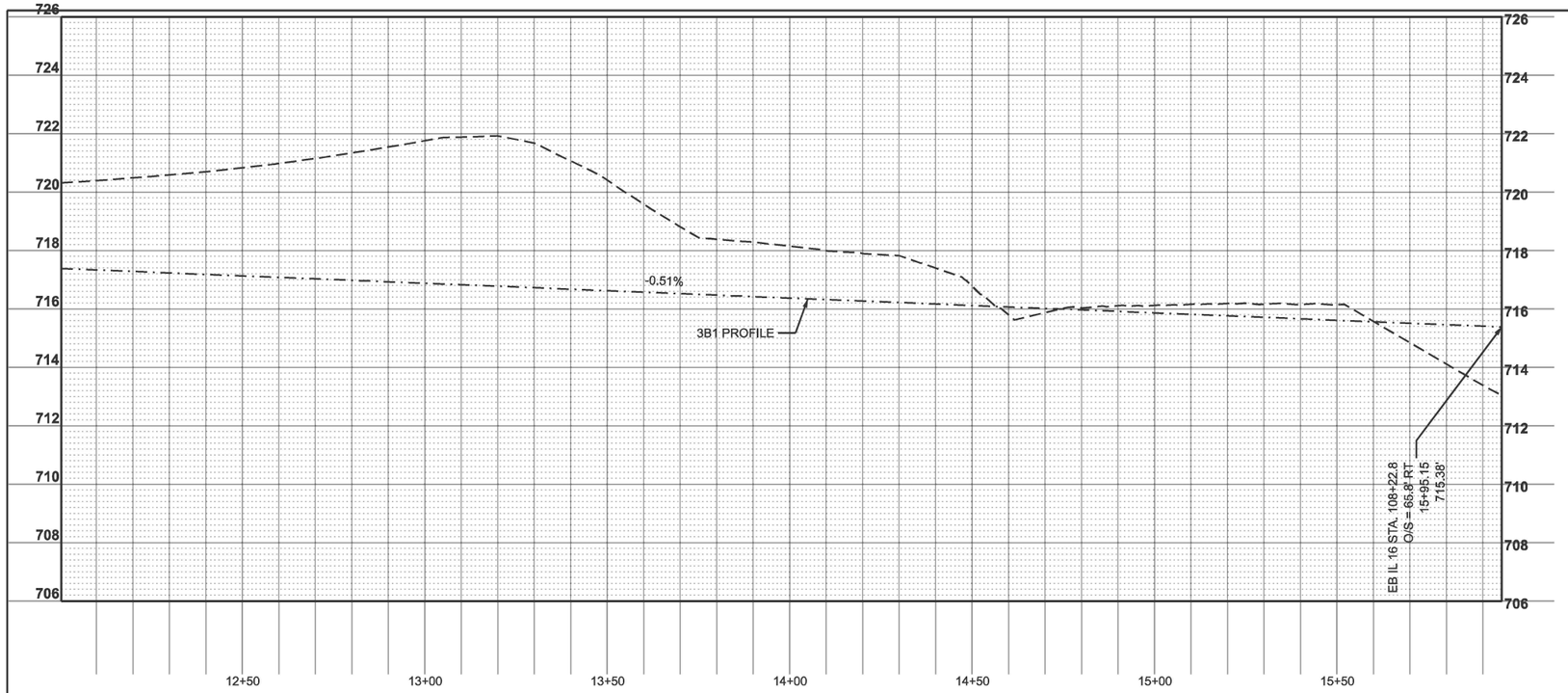
USER NAME = kaleb.hirtzel	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 8/20/2024	DATE -	REVISED -

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**
	DRAWN -	REVISED -	
	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			