

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-6T	ST. CLAIR	53	1
		ILLINOIS	CONTRACT NO. 76E69	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

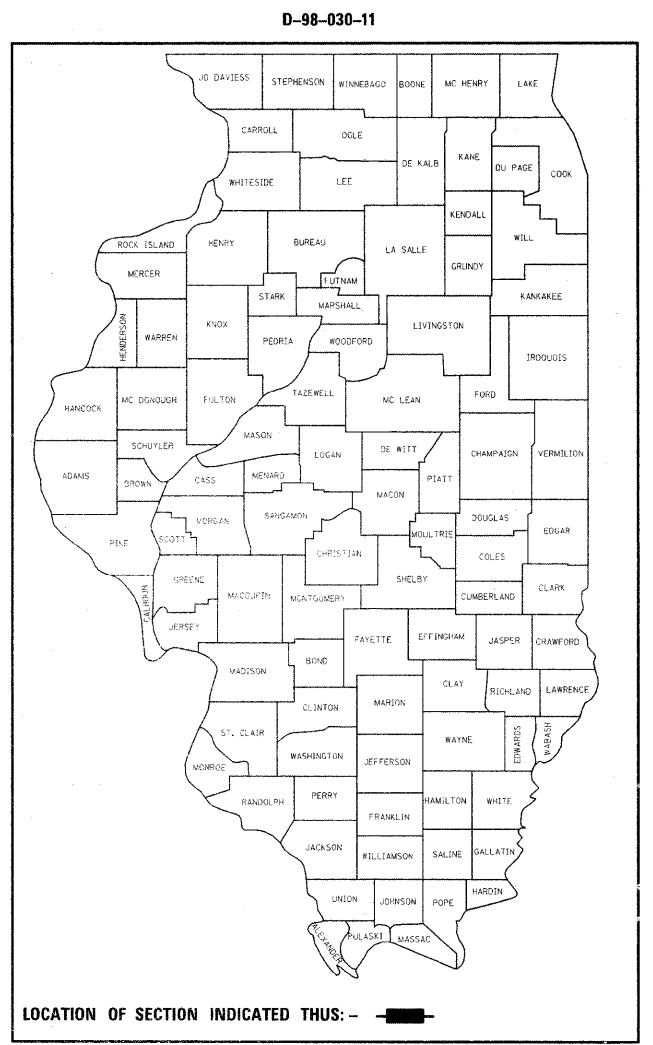
PROPOSED
HIGHWAY PLANS

FAI ROUTE 64 (I-64)
SECTION 82-6T

DRAINAGE IMPROVEMENT & HMA OVERLAY
ST. CLAIR COUNTY

C-98-030-11

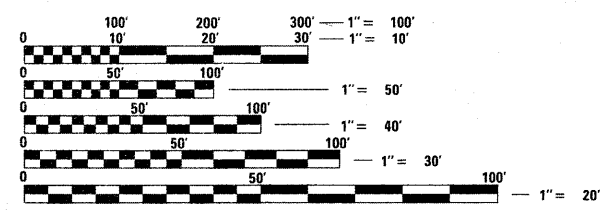
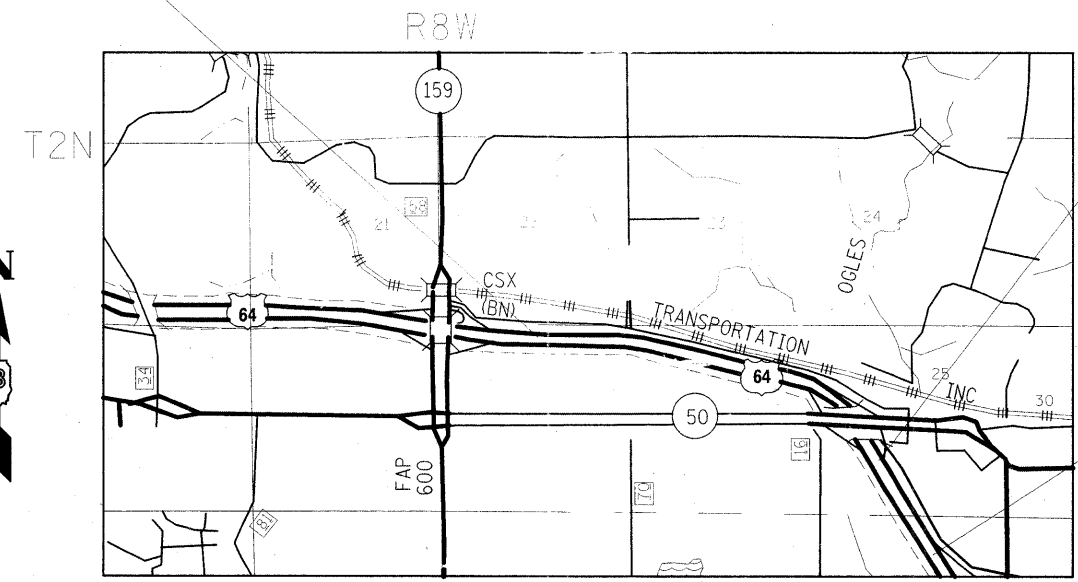
FOR INDEX OF SHEETS, SEE SHEET NO. 2



LOCATION NO. 1
STA. 603+00 TO STA. 609+00 (EB ONLY)
START- LAT 38.5984
LONG -89.9623

LOCATION NO. 2
STA. 690+00 TO STA. 694+00
EB ONLY

LOCATION NO. 3
STA. 731+00 TO STA. 734+00 (WB ONLY)
END - LAT 38.5810
LONG -89.9359



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

FUNCTIONAL CLASSIFICATION
INTERSTATE

SCALE 1 IN = .5 MILE

PROJECT ENGINEER: TIM PADGETT (618)346-3325
PROJECT MANAGER: AARON KARLAS (618)346-3208

ADT
69,300
MU=10.1%
SU=3.6%

GROSS LENGTH = 1,300 FT. = 0.25 MILE
NET LENGTH = 1,300 FT. = 0.25 MILE

CONTRACT NO. 76E69

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 30 20 11

Mark C. Jamel
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13 20 11
Scott E. Still, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13 20 11
Christine M. Road
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

- ① SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
- ② ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
* AMEREN ILLINOIS	X	X
* AT&T ILLINOIS	X	X
* CASEYVILLE TOWNSHIP ADVD, WASTEWATER TMT. SYS.		X
* CHARTER COMMUNICATIONS, INC.	X	X
* CITY OF O'FALLON		X
* PAETEC	X	X
* QWEST COMMUNICATIONS	X	X
* AT&T CORPORATION	X	X
* VILLAGE OF SHILOH		X

MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ③ THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ROUTE	FAI 64
SECTION	82-6T
COUNTY	ST. CLAIR
CONTRACT	76E69

DESCRIPTION	DRAINAGE IMPROVEMENTS AND HMA OVERLAY
-------------	---------------------------------------

ADT (Construction Yr):	69,300
MU%:	10.1%
SU%:	3.6%
20YR. ESAL'S:	44.93

MIXTURE USE	POLY-SURFACE	LEVEL BINDER	BINDER/PATCHING	INCIDENTAL SURF
AC/PG	SBS 76-22			
RAP % (MAX)	SEE SPEC.			
DESIGN AIR VOIDS	4.0% @ Ndes=90			
MIX COMPOSTITION				
(GRADATION MIXTURE)	IL 12.5/9.5			
FRICTION AGG	MIXTURE "E"			

MIXTURE USE	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE CONTRACT RAP SPECIAL PROVISION	
DESIGN AIR VOIDS		
MIX COMPOSTITION	**2.0% @ NDES=30	**2.0% @ NDES=30
(GRADATION MIXTURE)	NMAS 3/4"	NMAS 1/2"
FRICTION AGG		

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.
Plan quantities for Bituminous Concrete Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

- ④ THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ⑤ "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. (48"X48")
- ⑥ THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

INDEX OF SHEETS

1. COVER SHEET
2. INDEX OF SHEETS, STANDARDS, GENERAL NOTES, AND COMMITMENTS
3. SUMMARY OF QUANTITIES
- 4.-11. TYPICAL SECTIONS
- 12.-15. SCHEDULE OF QUANTITIES
16. LOCATION MAP
- 17.-20. TIE POINTS AND BENCHMARKS
- 21.-26. PLAN SHEETS
- 27.-31. PAVEMENT MARKING
- 32.-33. DETAILS
- 34.-53. CROSS-SECTIONS

STANDARDS

- 000001-06
- 001006
- 602301-03
- 642001-01
- 701400-05
- 701401-06
- 701406-06
- 701411-07
- 701446-02
- 701901-01
- 781001-03

COMMITMENTS

NONE

FILE NAME =	USER NAME = karlesol	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, SHEET INDEX, AND COMMITMENTS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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						FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT			

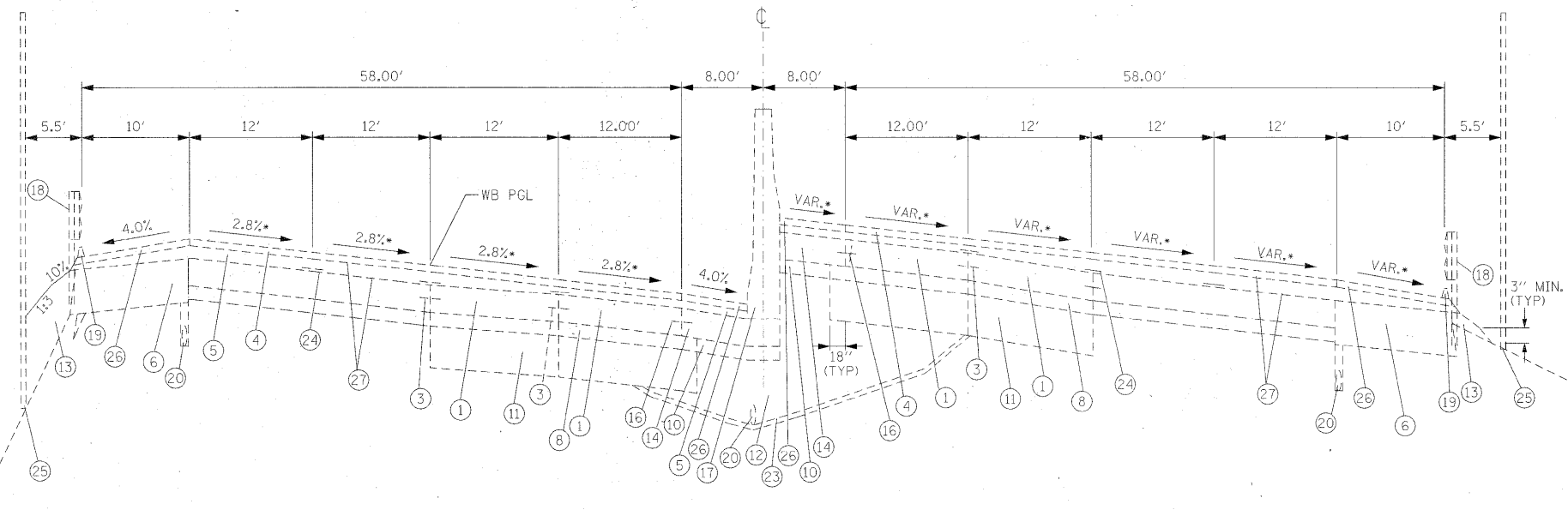
SUMMARY OF QUANTITIES

100% STATE

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 LOCATION 1	0005 LOCATION 2	0005 LOCATION 3	CODE NO	ITEM	UNIT		005 LOCATION 1	005 LOCATION 2	005 LOCATION 3
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.88	1.36	0.9	0.68							
40600300	AGGREGATE (PRIME COAT)	TON	9.02	6.5	4.33	3.25							
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	1346	628	359	359							
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	10259.9	4932.1	2966.7	2361.1							
48203100	HOT-MIX ASPHALT SHOULDERS	TON	377	191	106	80							
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	72	48	16	8							
60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH	9	6	2	1							
64200105	SHOULDER RUMBLE STRIP	FOOT	1000	600	400	300							
67100100	MOBILIZATION	L SUM	1	0.4	0.3	0.3							
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	1	1								
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	0.4	0.3	0.3							
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.4	0.3	0.3							
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	0.4	0.3	0.3							
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1204	604	336	264							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	136	68	38	30							
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3260	1500	1000	760							
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	513	135	81	297							
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	52	32	24	16							
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	52	32	24	16							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.4	0.3	0.3							
Z0018302	DRAINAGE STRUCTURES, TYPE 1 (SPECIAL)	EACH	9	6	2	1							
Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.4	0.3	0.3							
	XSPECIALTY ITEM												

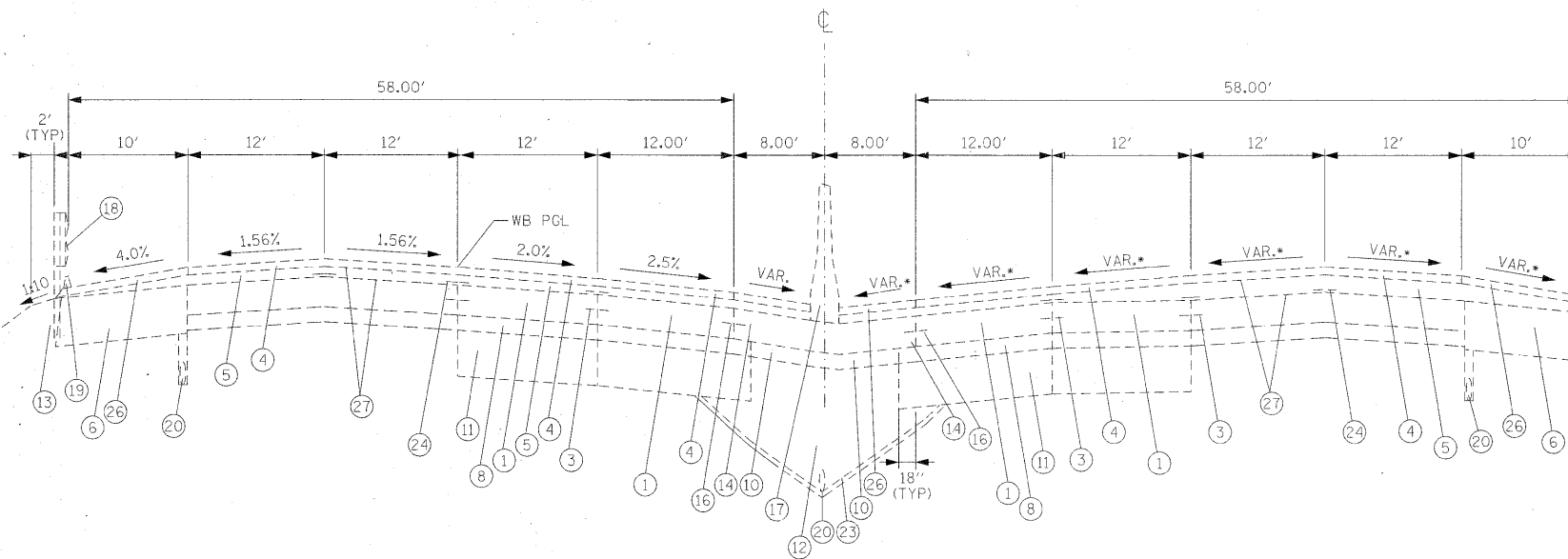
EXISTING LEGEND

- ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
- ② CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 9"
- ③ LONGITUDINAL CONSTRUCTION JOINT - USE NO. 6 EPOXY COATED DEFORMED TIE BARS AT 24" C-C AND 24" LONG, DRILLED AND GROUTED (COST WILL BE INCLUDED IN PCC BASE COURSE)
- ④ POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, STONE MATRIX ASPHALT, CLASS I (2")
- ⑤ POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105 (2-1/4" & VARIES)
- ⑥ 13" BITUMINOUS SHOULDER (TO BE PAID FOR AS POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105)
- ⑦ 8" BITUMINOUS SHOULDER (TO BE PAID FOR AS POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105)
- ⑧ STABILIZED SUB-BASE 4"
- ⑨ SUB-BASE GRANULAR MATERIAL, TYPE B 12"
- ⑩ SUB-BASE GRANULAR MATERIAL, TYPE A 4"
- ⑪ AGGREGATE SUBGRADE 12"
- ⑫ POROUS GRANULAR EMBANKMENT, SUBGRADE
- ⑬ AGGREGATE SHOULDER, TYPE B
- ⑭ PORTLAND CEMENT CONCRETE SHOULDERS 8"
- ⑮ PORTLAND CEMENT CONCRETE SHOULDERS 9"
- ⑯ LONGITUDINAL CONSTRUCTION JOINT - USE 3/4 INCH EPOXY COATED SMOOTH DOWEL BARS AT 24" C-C AND 24" LONG (COST WILL BE INCLUDED IN PCC SHOULDER)
- ⑰ CONCRETE BARRIER, CONCRETE BARRIER (MODIFIED), CONCRETE BARRIER (SPECIAL), OR CONCRETE BARRIER TRANSITION
- ⑱ GUARDRAIL
- ⑲ BITUMINOUS SHOULDER CURB
- ⑳ PIPE UNDERDRAINS 6"
- ㉑ SLOTTED DRAIN STRUCTURE (CA 6 TO BE INCLUDED IN COST)
- ㉒ STORM SEWER
- ㉓ FILTER FABRIC
- ㉔ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉕ NOISE ABATEMENT WALL
- ㉖ BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 (2")
- ㉗ BITUMINOUS MATERIALS (PRIME COAT)
- ㉘ EMBANKMENT



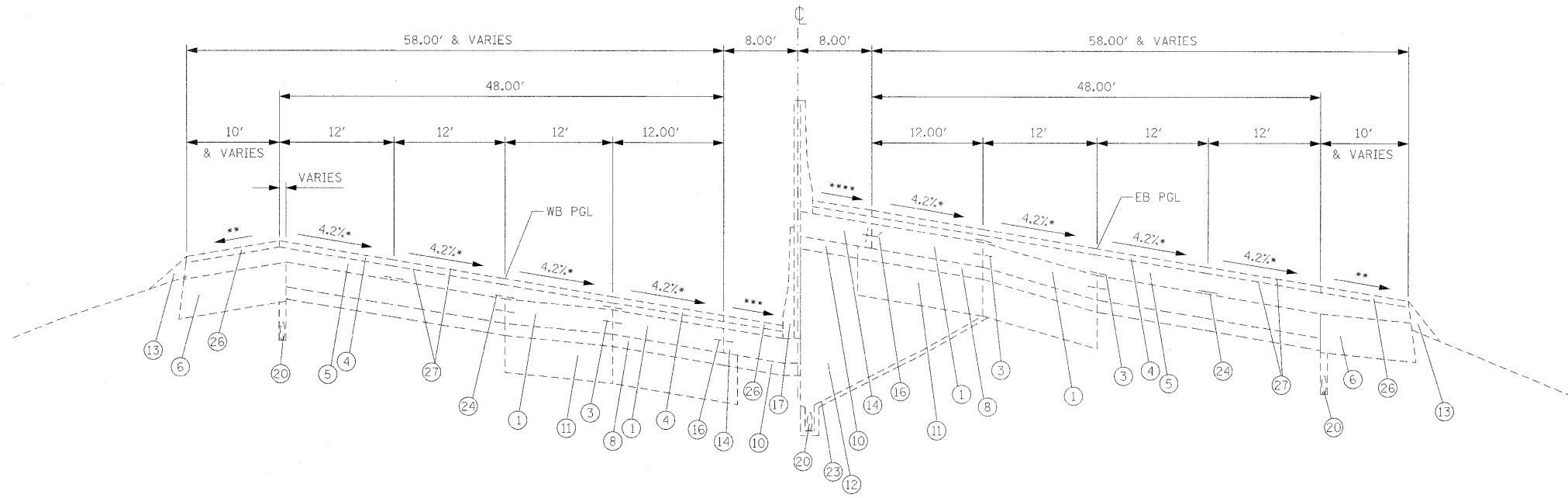
EXISTING FAI 64
STA. 603+00 EB TO STA. 607+83.78 EB

* SLOPE VARIES SEE CROSS-SECTIONS FOR SLOPES.

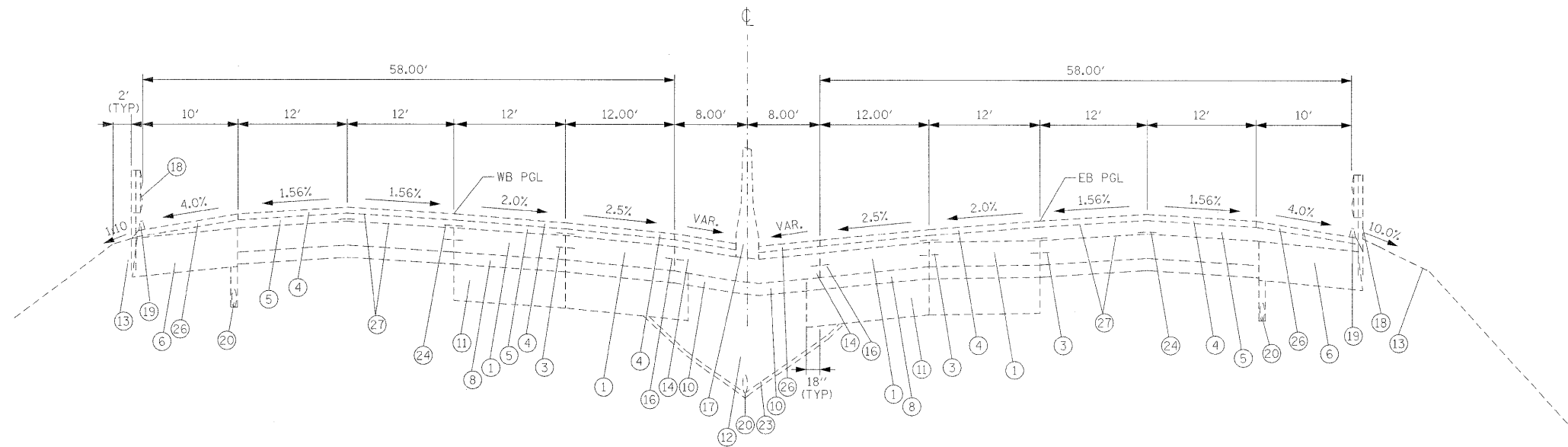


EXISTING FAI 64
STA. 607+83.78 EB TO STA. 609+00 EB

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		CHECKED - ---	REVISED - ---			FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					
		DATE - -----	REVISED - ---			CONTRACT NO. 76E69					



EXISTING FAI 64
STA. 690+00 EB TO STA. 693+92.51 EB



EXISTING FAI 64
STA. 693+92.51 EB TO STA. 694+00 EB

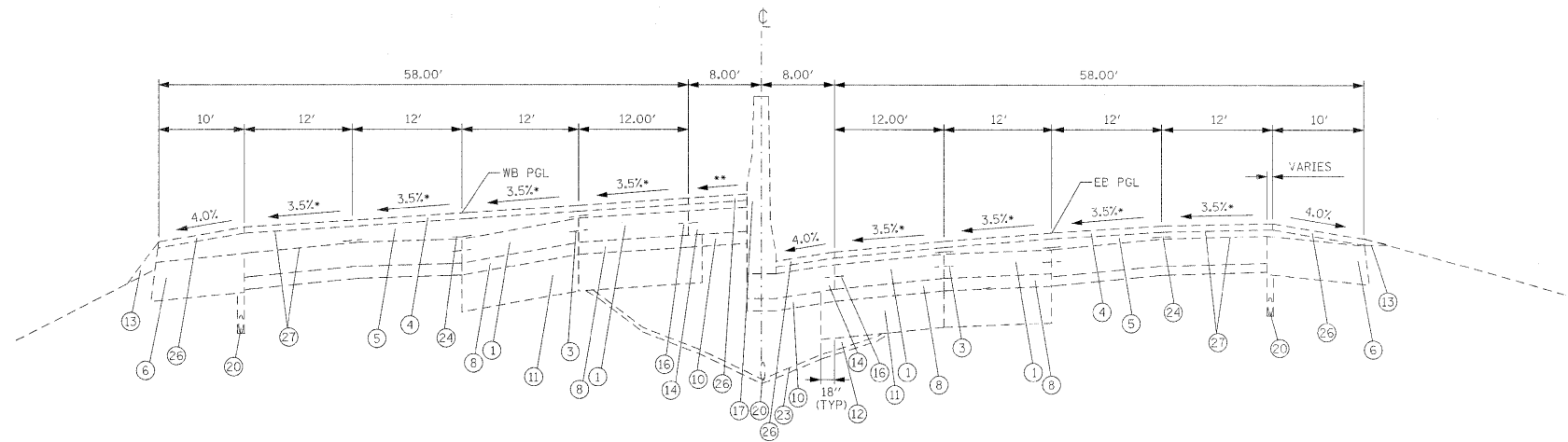
EXISTING LEGEND

- ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 8"
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- ④ POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, STONE MATRIX ASPHALT, CLASS I (2")
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- ⑱ GUARDRAIL
- ⑲ BITUMINOUS SHOULDER CURB
- ⑳ PIPE UNDERDRAINS 6"
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- ㉒ STORM SEWER
- ㉓ FILTER FABRIC
- ㉔ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉕ NOISE ABATEMENT WALL
- ㉖ BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 (2")
- ㉗ BITUMINOUS MATERIALS (PRIME COAT)
- ㉘ EMBANKMENT

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS (LOCATION 2)			F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 5
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PLOT DATE = #DATE#		DATE - ---	REVISED - ---		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT							

EXISTING LEGEND

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- ⑤ POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105 (2-1/4" & VARIES)
- ⑥ 13" BITUMINOUS SHOULDER (TO BE PAID FOR AS POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N105)
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- ㉓ FILTER FABRIC
- ㉔ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉕ NOISE ABATEMENT WALL
- ㉖ BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 (2")
- ㉗ BITUMINOUS MATERIALS (PRIME COAT)
- ㉘ EMBANKMENT

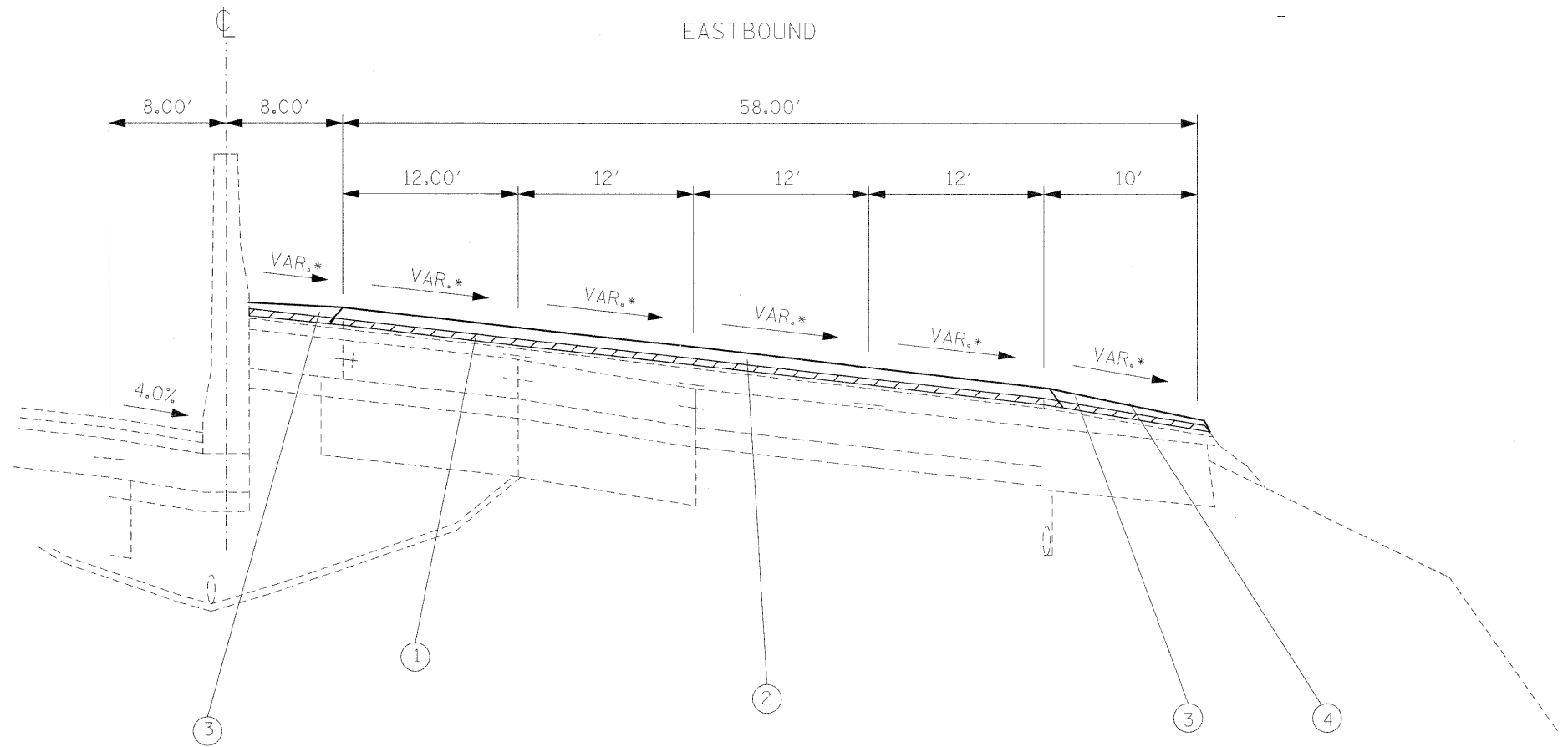


STA. 731+00 WB TO STA. 734+00 WB

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS (LOCATION 3)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = #DATE#	DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
						SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____					

PROPOSED LEGEND

- ① VARIABLE DEPTH HMA SURFACE REMOVAL
- ② HOT-MIX ASPHALT SURFACE COURSE, 3.5"
- ③ HOT-MIX ASPHALT SHOULDERS, (TONS)
- ④ SHOULDER RUMBLE STRIP



PROPOSED FAI 64

STA. 603+00 EB TO STA. 607+83.78 EB

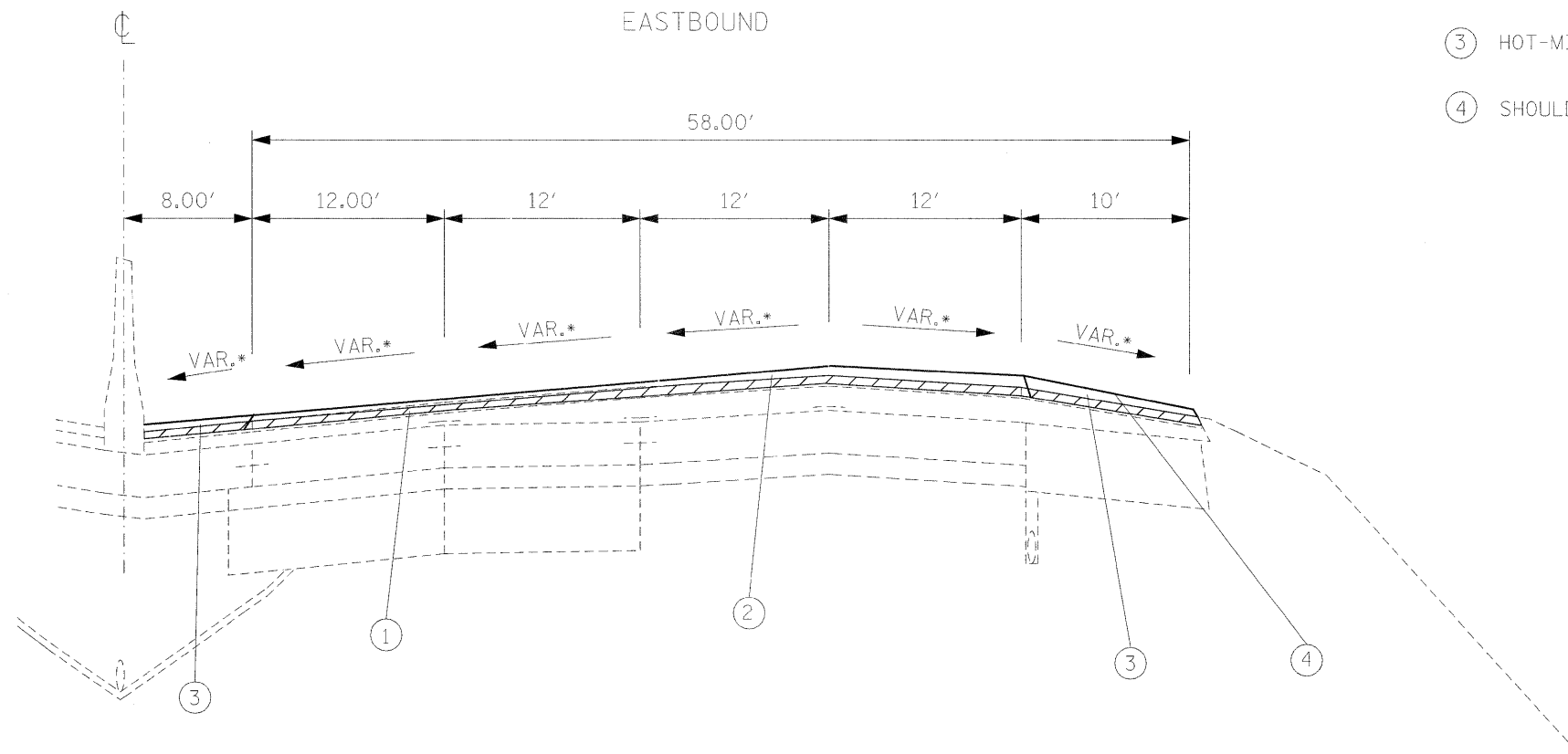
* SLOPE VARIES SEE CROSS-SECTIONS FOR SLOPES.

HMA SURFACE REMOVAL OF INSIDE SHOULDER ONLY (STA. 596+00 EB TO STA. 603+00 EB). SEE CROSS-SECTIONS FOR MILL SLOPE.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS (LOCATION 1)		F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 7
#FILE#		DRAWN -	REVISED -		SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
		CHECKED -	REVISED -		CONTRACT NO. 76E69						
		DATE -	REVISED -								

PROPOSED LEGEND

- ① VARIABLE DEPTH HMA SURFACE REMOVAL
- ② HOT-MIX ASPHALT SURFACE COURSE, 3.5"
- ③ HOT-MIX ASPHALT SHOULDERS, (TONS)
- ④ SHOULDER RUMBLE STRIP



PROPOSED FAI 64

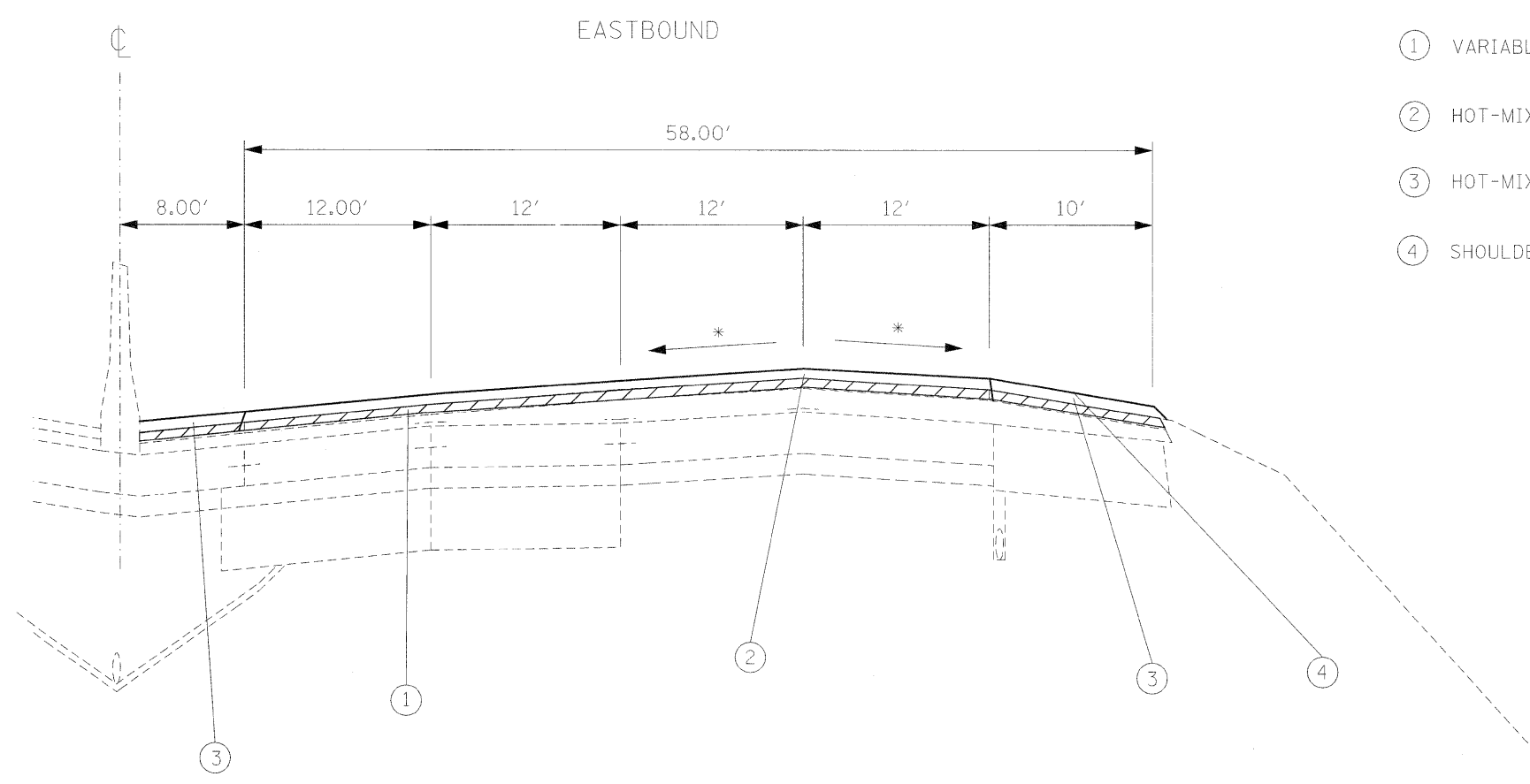
* SLOPE VARIES SEE CROSS-SECTIONS FOR SLOPES.

STA. 607+83.78 EB TO 609+00 EB

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		DATE - -----	REVISED - ---		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						

PROPOSED LEGEND

- ① VARIABLE DEPTH HMA SURFACE REMOVAL
- ② HOT-MIX ASPHALT SURFACE COURSE, 3.0" (AVERAGE)
- ③ HOT-MIX ASPHALT SHOULDERS, (TONS)
- ④ SHOULDER RUMBLE STRIP



* SLOPE VARIES SEE CROSS-SECTIONS FOR SLOPES.

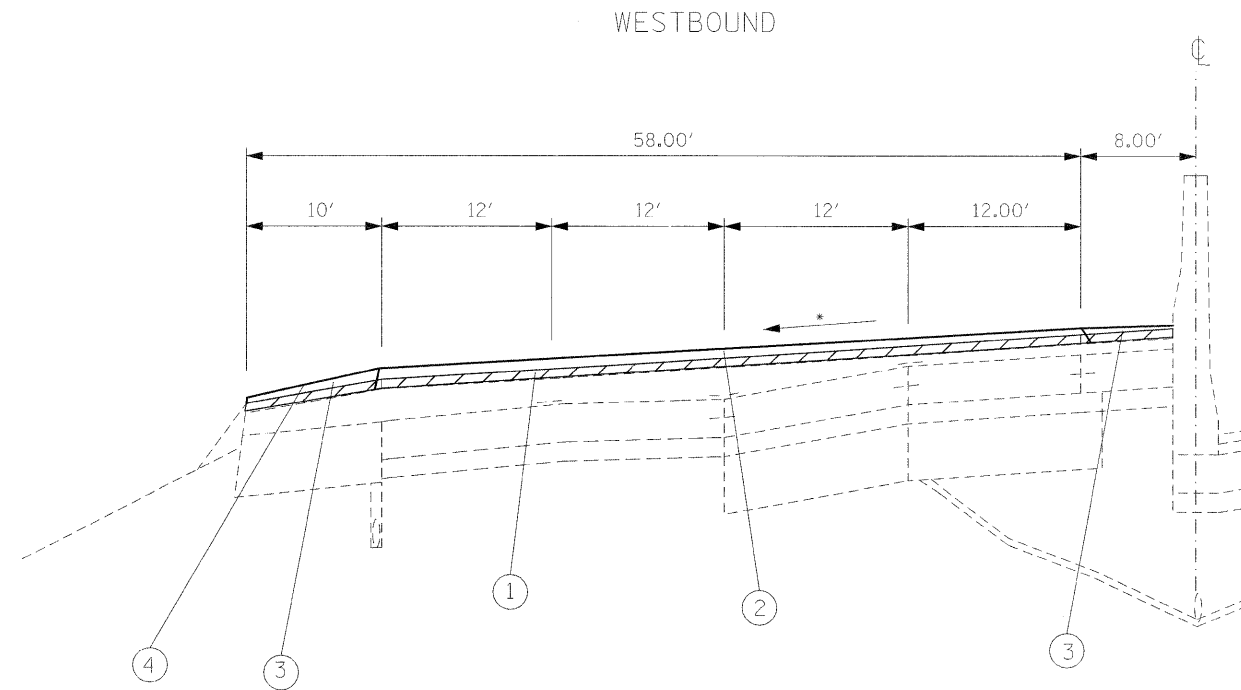
PROPOSED FAI 64

STA. 693+92.51 EB TO STA. 694+00 EB

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	PLOT SCALE = #SCALE#	DRAWN -	REVISED -				64	82-6T	ST. CLAIR	53	10
	PLOT DATE = #DATE#	CHECKED -	REVISED -				CONTRACT NO. 76E69				
	DATE -	REVISED -		SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

PROPOSED LEGEND

- ① VARIABLE DEPTH HMA SURFACE REMOVAL
- ② HOT-MIX ASPHALT SURFACE COURSE, 4.0" (AVERAGE)
- ③ HOT-MIX ASPHALT SHOULDERS, (TONS)
- ④ SHOULDER RUMBLE STRIP



PROPOSED FAI 64

STA. 731+00 WB TO STA. 734+00 WB

* SLOPE VARIES SEE CROSS-SECTIONS FOR SLOPES.

HMA SURFACE REMOVAL OF INSIDE SHOULDER ONLY (STA. 734+00 WB TO STA. 736+50 WB). SEE CROSS-SECTIONS FOR MILL SLOPE.

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - ____	REVISED - ____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS (LOCATION 3)	F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 11
PLOT SCALE = #SCALE#	CHECKED - ____	REVISED - ____	SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 76E69				
PLOT DATE = #DATE#	DATE - ____	REVISED - ____	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							

HMA QUANTITIES

LOCATION			HMA SURFACE COURSE (TON)	BITUMINOUS MATERIALS (PRIME COAT) (TON)	AGGREGATE MATERIALS (PRIME COAT) (TON)
STA.	TO	STA.			
LOCATION 1					
603+00	-	609+00	628	1.36	6.50
LOCATION 2					
690+00		694+00	359	0.90	4.33
LOCATION 3					
731+00		734+00	359	0.68	3.25
TOTAL			1,346	2.94	14.08

HMA SURFACE REMOVAL, VARIABLE DEPTH

LOCATION			HMA SURFACE REMOVAL, VARIABLE DEPTH (SQ YD)
STA.	TO	STA.	
LOCATION 1			
596+00	-	609+00	4,932.1
LOCATION 2			
689+00		694+00	2,966.7
LOCATION 3			
731+00		736+50	2,361.1
TOTAL			10,259.9

ALL SURFACE REMOVAL INCLUDED IN "HMA SURFACE REMOVAL, VARIABLE DEPTH", INCLUDING MILLING TERMINI LOCATIONS.

HMA SHOULDERS (TON)

LOCATION			HMA SHOULDERS (TON)
STA.	TO	STA.	
LOCATION 1			
603+00	-	609+00	191
LOCATION 2			
690+00		694+00	106
LOCATION 3			
731+00		734+00	80
TOTAL			377

THERMOPLASTIC PAVEMENT MARKING

LOCATION			THERMO. PM - LINE 4" (FT)	THERMO. PM- LINE 12" (FT)
STA.	TO	STA.		
LOCATION 1				
603+00	-	609+00	1,500	135
LOCATION 2				
690+00		694+00	1,000	81
LOCATION 3				
731+00		734+00	760	81
TOTAL			3,260	297

SHOULDER RUMBLE STRIP

LOCATION			SHOULDER RUMBLE STRIP (FT)
STA.	TO	STA.	
LOCATION 1			
603+00	-	609+00	600
LOCATION 2			
690+00		694+00	400
LOCATION 3			
731+00		734+00	300
TOTAL			1,300

SHORT-TERM PAVEMENT MARKING

LOCATION			SHORT-TERM PAVEMENT MARKING (FT)	WORKZONE PM REMOVAL (SQ FT)
STA.	TO	STA.		
LOCATION 1				
603+00	-	609+00	604	68
LOCATION 2				
690+00		694+00	336	38
LOCATION 3				
731+00		734+00	264	30
TOTAL			1,204	136

RAISED REFLECTIVE PAVEMENT MARKING AND REMOVAL

LOCATION			RRPM (EACH)	RRPM REMOVAL (EACH)
STA.	TO	STA.		
LOCATION 1				
603+00	-	609+00	32	32
LOCATION 2				
690+00		694+00	24	24
LOCATION 3				
731+00		734+00	16	16
TOTAL			72	72

STORM SEWER

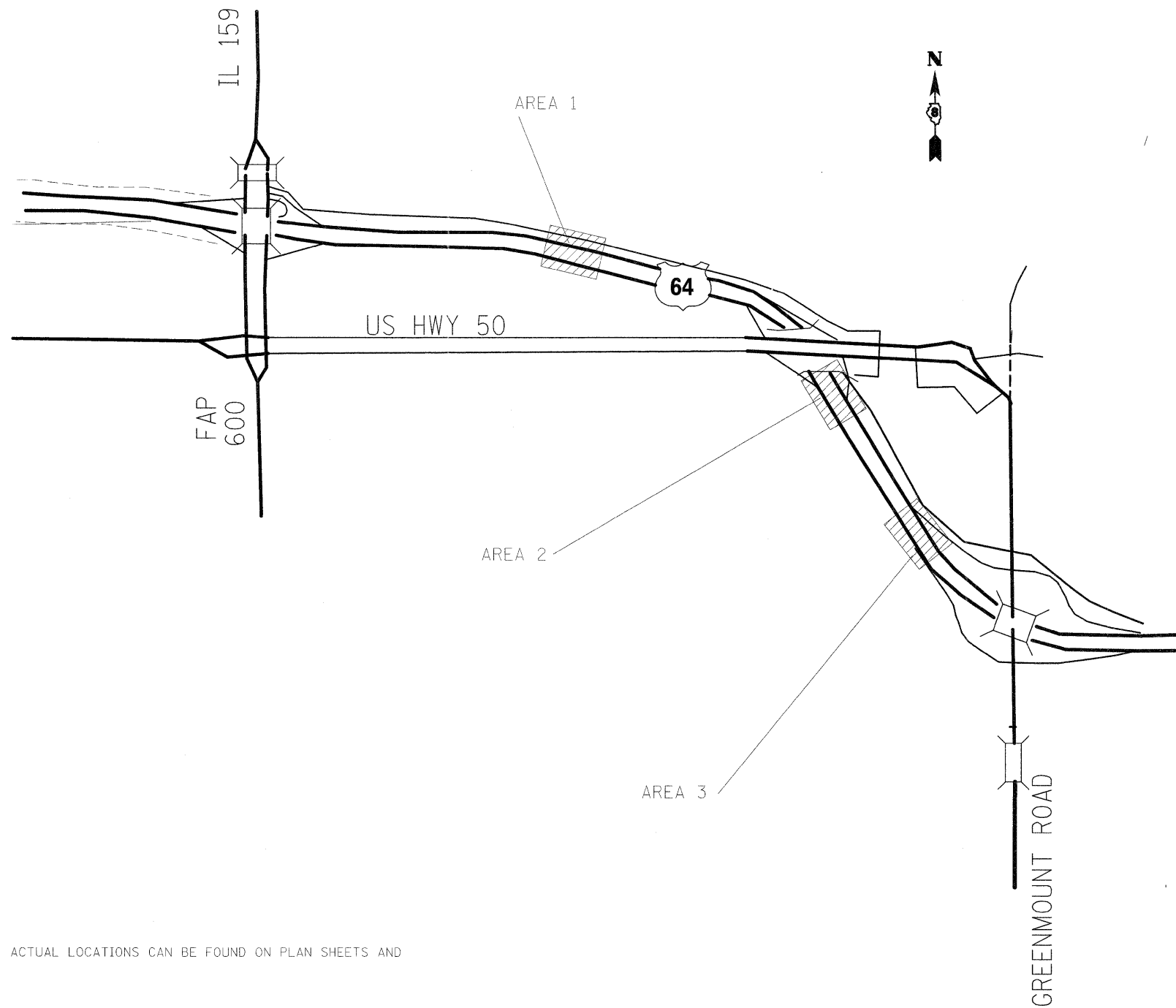
LOCATION STA.	STORM SEWER, CL A, TYPE 2 12" (FT)
LOCATION 1	
594+00	8
596+00	8
598+00	8
600+00	8
602+25	8
604+85	8
SUBTOTAL	48
LOCATION 2	
689+41	8
691+94	8
SUBTOTAL	16
LOCATION 3	
735+83	8
SUBTOTAL	8
TOTAL	72

INLETS, TYPE A W/ T20 F&G

LOCATION STA.	INLETS TYPE A TYPE 20 F&G (EACH)
LOCATION 1	
594+00	1
596+00	1
598+00	1
600+00	1
602+25	1
604+85	1
SUBTOTAL	6
LOCATION 2	
689+41	1
691+94	1
SUBTOTAL	2
LOCATION 3	
735+83	1
SUBTOTAL	1
TOTAL	9

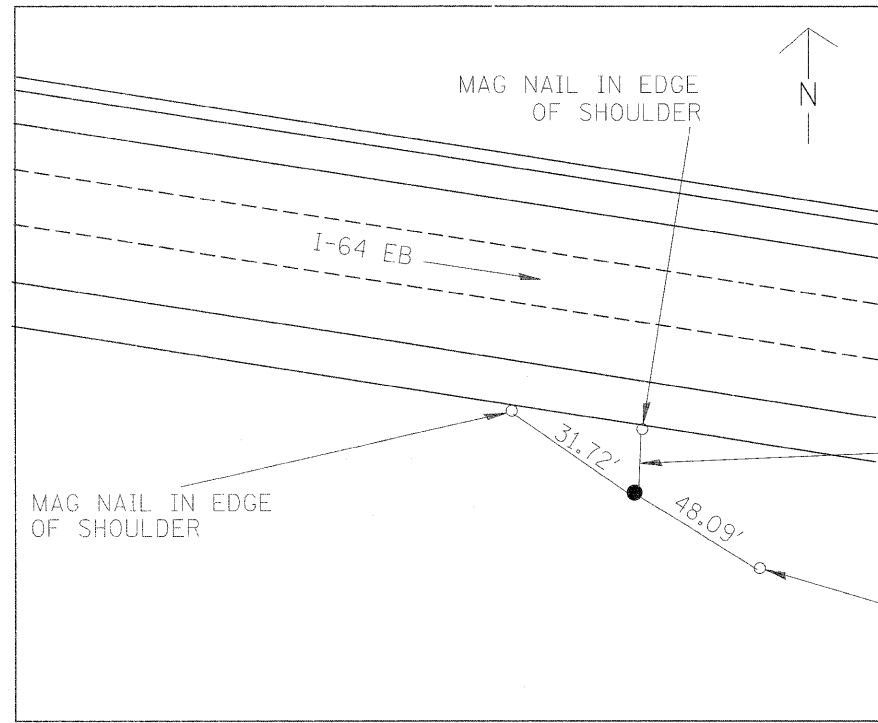
DRAINAGE STRUCTURE, TYPE 1 (SPECIAL)

LOCATION STA.	DRAINAGE STRUCTURE, TYPE 1, (SPECIAL) (EACH)
LOCATION 1	
594+00	1
596+00	1
598+00	1
600+00	1
602+25	1
604+85	1
SUBTOTAL	6
LOCATION 2	
689+41	1
691+94	1
SUBTOTAL	2
LOCATION 3	
735+83	1
SUBTOTAL	1
TOTAL	9



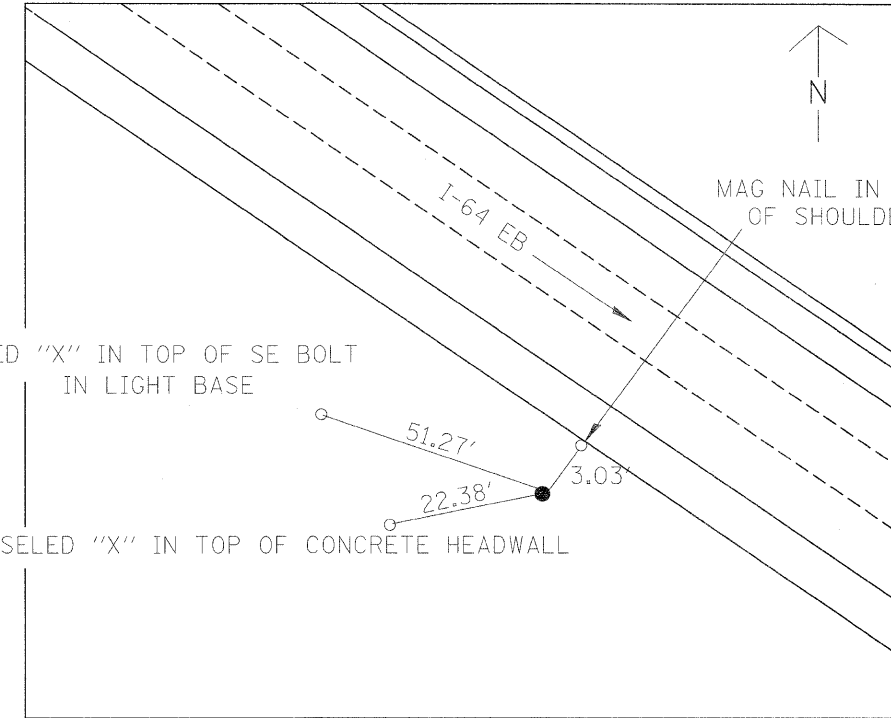
LOCATIONS ARE APPROXIMATE GRAPHICAL REPRESENTATIONS. ACTUAL LOCATIONS CAN BE FOUND ON PLAN SHEETS AND CORRESPONDING TIE-POINTS.

FILE NAME =	USER NAME = karlesal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ei:\pw_work\pwidot\karlesal\d0244336\d87	6469-sht-plan.dgn	DRAWN -	REVISED -			64	82-6T	ST. CLAIR	53	16	
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76E69					
	PLOT DATE = 3/27/2011	DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
					SCALE: -----	SHEET NO. -- OF -- SHEETS		STA. ----- TO STA. -----			



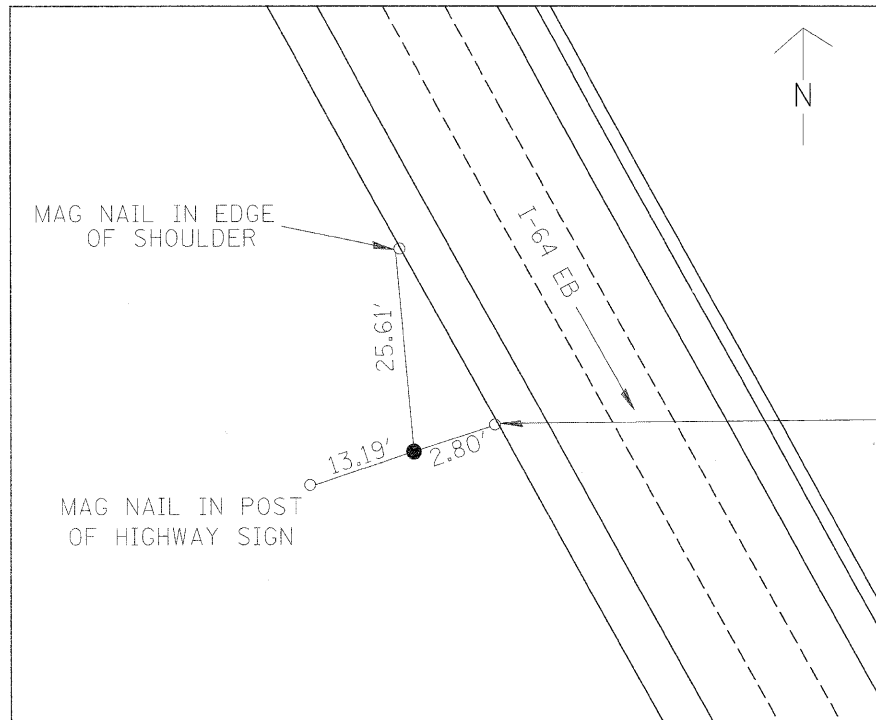
CONTROL PT 71
 REBAR WITH IDOT CAP
 STA. 631+51 71' RT
 N 703,137.6764
 E 2,356,223.3884

EX 14
O'FALLON



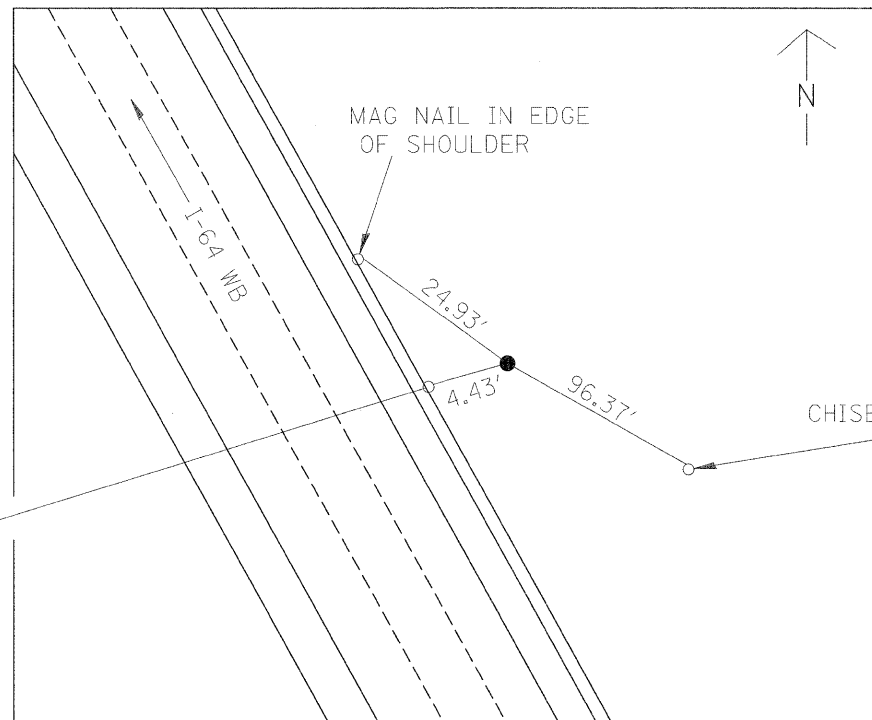
CONTROL PT 72
 REBAR WITH IDOT CAP
 STA. 697+25 85' RT
 N 700,245.1790
 E 2,360,909.0691

FILE NAME =	USER NAME = #USER#	DESIGNED - - - -	REVISED - - - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIE-POINTS AND BENCHMARKS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN - - - -	REVISED - - - -			64	82-6T	ST. CLAIR	53	17	
PLOT SCALE = #SCALE#		CHECKED - - - -	REVISED - - - -			CONTRACT NO. 76E69					
PLOT DATE = #DATE#		DATE - - - - -	REVISED - - - -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
				SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____							



CONTROL PT 73
 REBAR WITH IDOT CAP
 STA. 717+13 69' RT
 N 698,538.3151
 E 2,361,927.2256

MAG NAIL IN EDGE
 OF SHOULDER

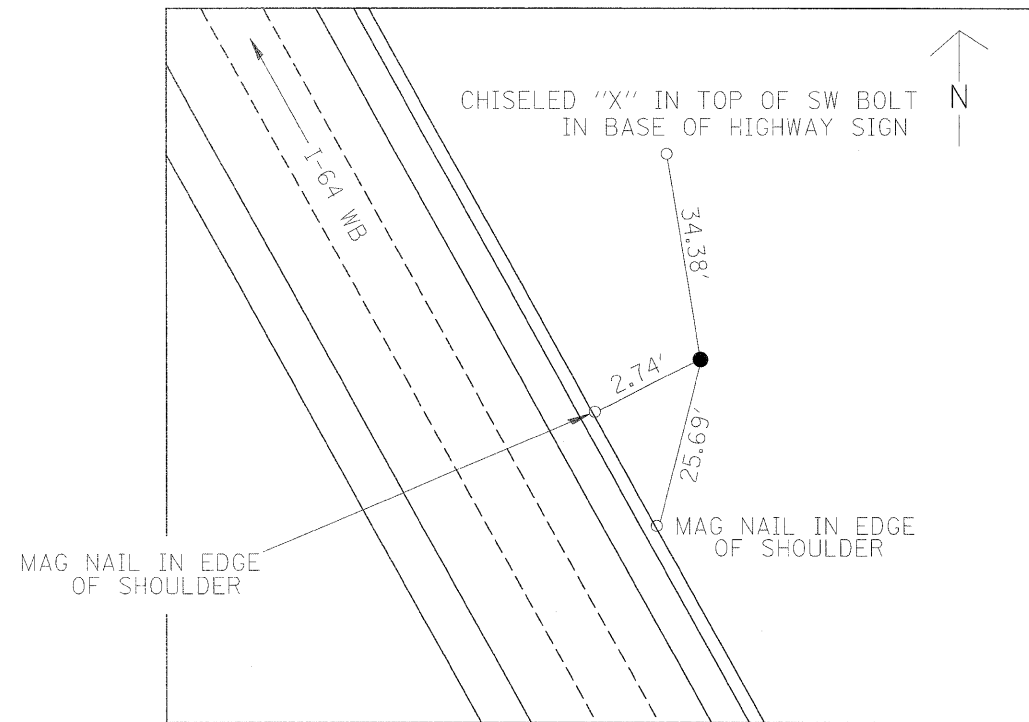


CONTROL PT 74
 REBAR WITH IDOT CAP
 STA. 729+58 71' LT
 N 697,533.3657
 E 2,362,676.5725

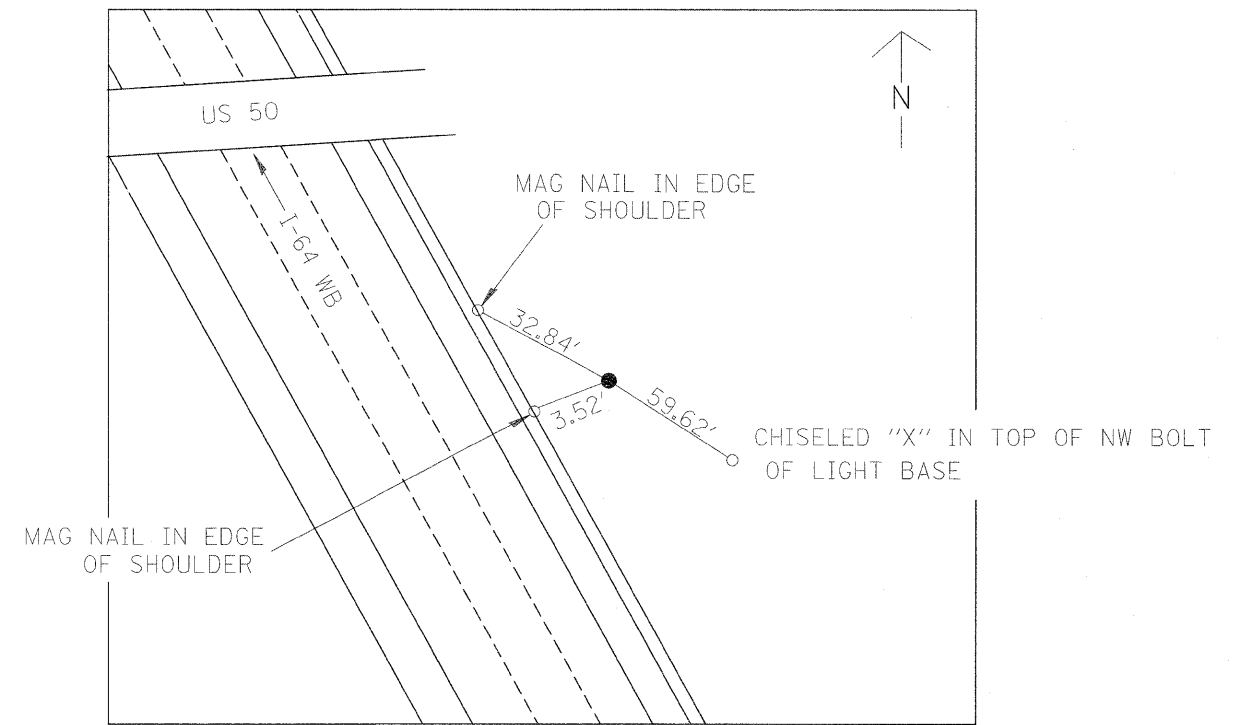
MAG NAIL IN EDGE
 OF SHOULDER

CHISELED "X" IN TOP OF NW BOLT
 IN BASE OF HIGHWAY SIGN

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIE-POINTS AND BENCHMARKS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN - ---	REVISED - ---				64	82-6T	ST. CLAIR	53	18
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---		SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
	PLOT DATE = #DATE#	DATE - -----	REVISED - ---		CONTRACT NO. 76E69						

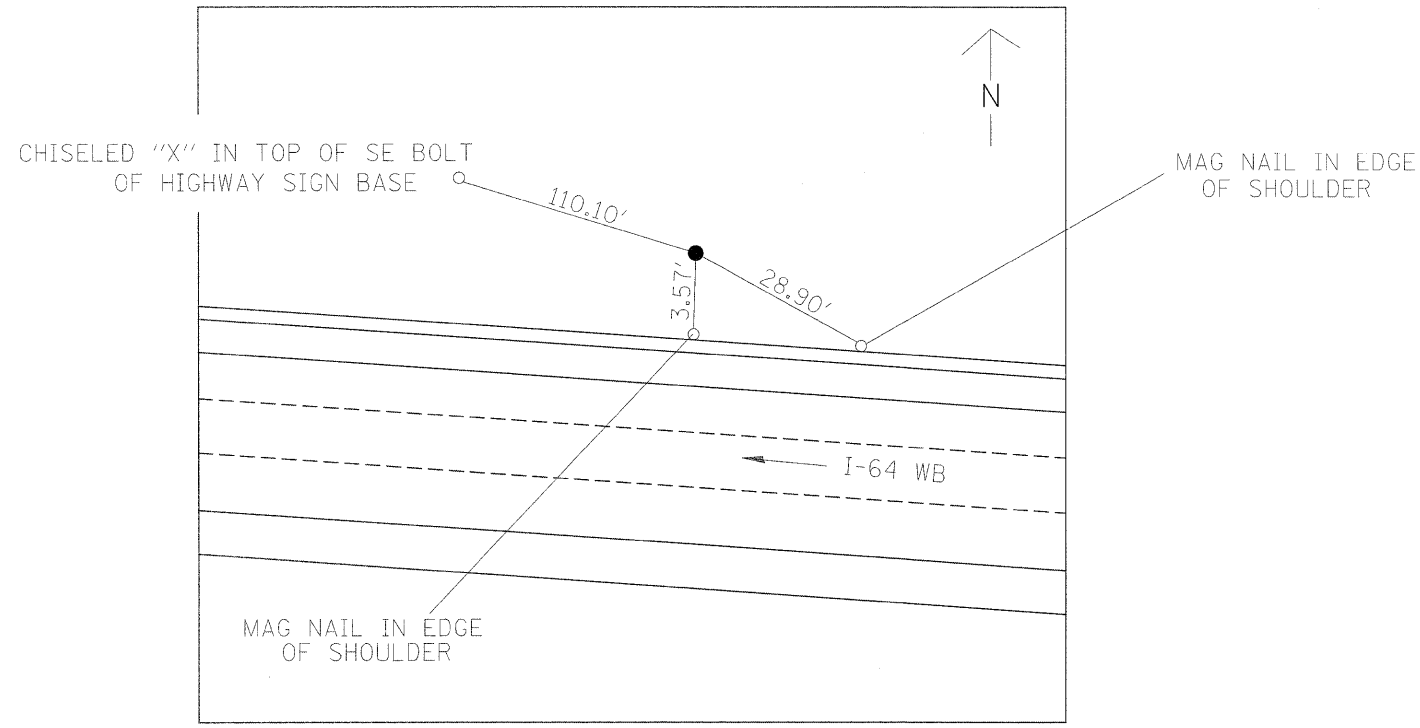


CONTROL PT 75
 REBAR WITH IDOT CAP
 STA. 708+08 69' LT
 N 699,387.9386
 E 2,361,589.5954



CONTROL PT 76
 REBAR WITH IDOT CAP
 STA. 689+16 69' LT
 N 701,022.3573
 E 2,360,629.3412

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIE-POINTS AND BENCHMARKS	F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 19		
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 76E69				
	PLOT DATE = #DATE#	CHECKED -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

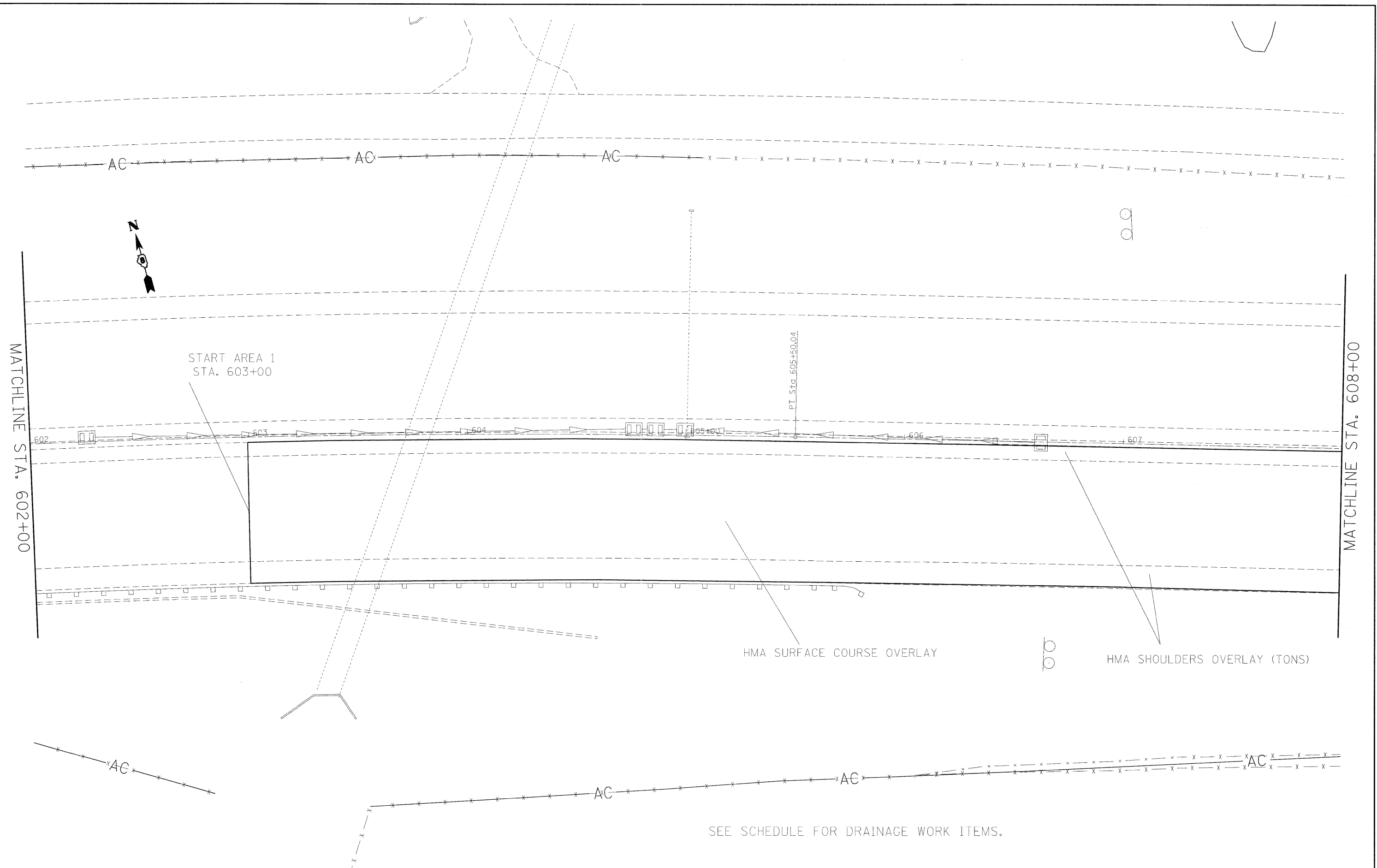


CONTROL PT 77
 REBAR WITH IDOT CAP
 STA. 600+42 70' LT
 N 703,614.9628
 E 2,354,992.0688

BENCHMARKS

- BM 1 - ON TOP OF MEDIAN BARRIER WALL STA. 607+50. ELEV. = 560.394
- BM 2 - ON TOP OF MEDIAN BARRIER WALL STA. 692+50. ELEV. = 555.513
- BM 3 - ON TOP OF MEDIAN BARRIER WALL STA. 712+50 ELEV. = 560.160
- BM 4 - ON TOP OF MEDIAN BARRIER WALL STA. 725+00 ELEV. = 555.332

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIE-POINTS AND BENCHMARKS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			64	82-6T	ST. CLAIR	53	20	
		CHECKED -	REVISED -			CONTRACT NO. 76E69					
		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
				SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____							



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS (LOCATION 1)			F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 21
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---		SCALE: 1"=20'	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76E69				
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT							
		DATE - -----	REVISED - ---									

MATCHLINE STA. 608+00

MATCHLINE STA. 614+00



CALL BOX

HMA

30" RCP

END AREA 1
STA. 609+00

608

609

610+00

611

612

613

HMA

CALL BOX

AC

AC

AC

AC

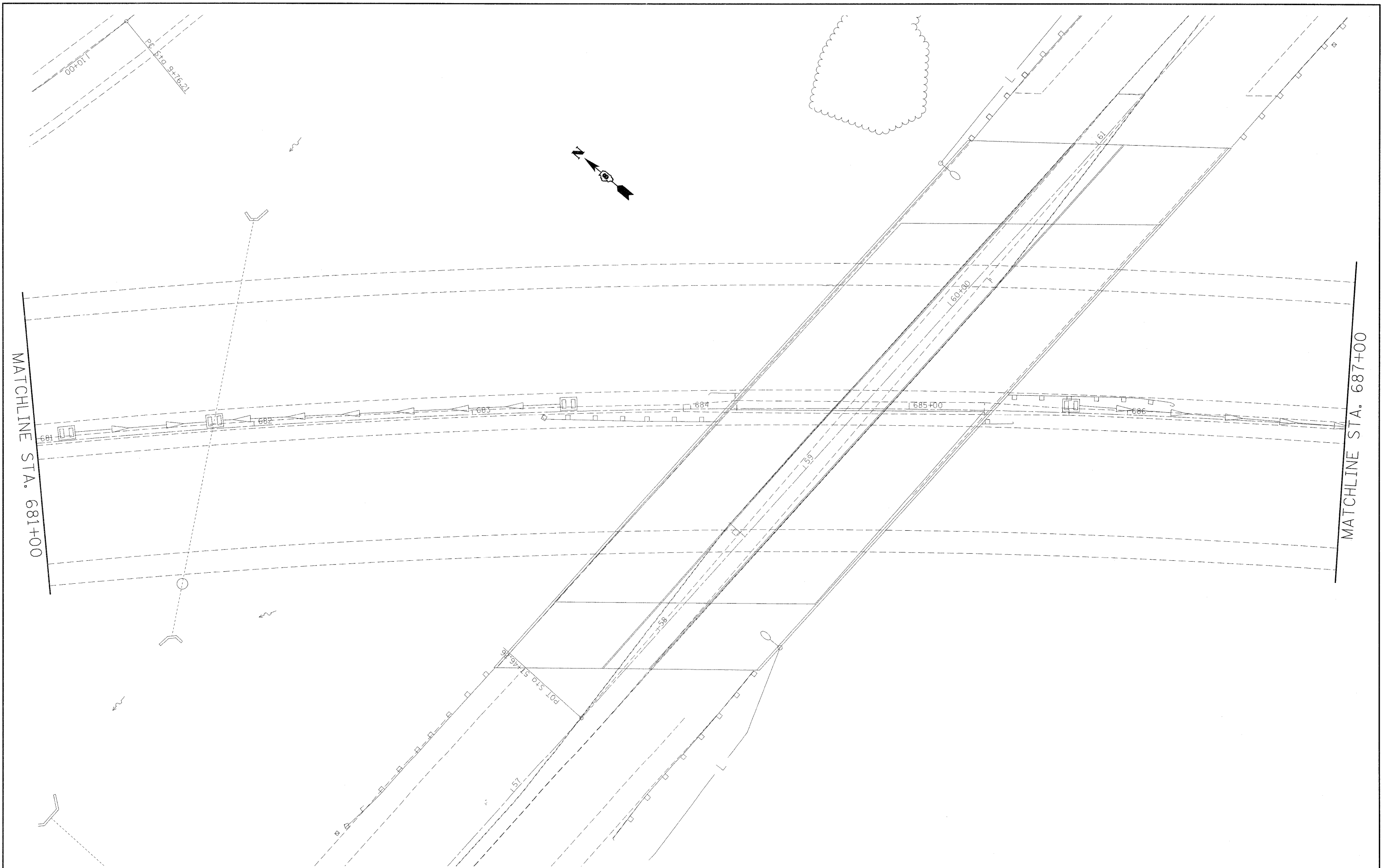
AC

(ELEC)

SEE SCHEDULE FOR DRAINAGE WORK ITEMS.

HMA

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS (LOCATION 1)		F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 22	
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---		SCALE: 1"=20'	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ (ILLINOIS) FED. AID PROJECT				
PLOT DATE = #DATE#	DATE - -----	REVISED - ---	REVISED - ---		CONTRACT NO. 76E69							



FILE NAME =
#FILE#

USER NAME = #USER#
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

DESIGNED -
DRAWN -
CHECKED -
DATE -

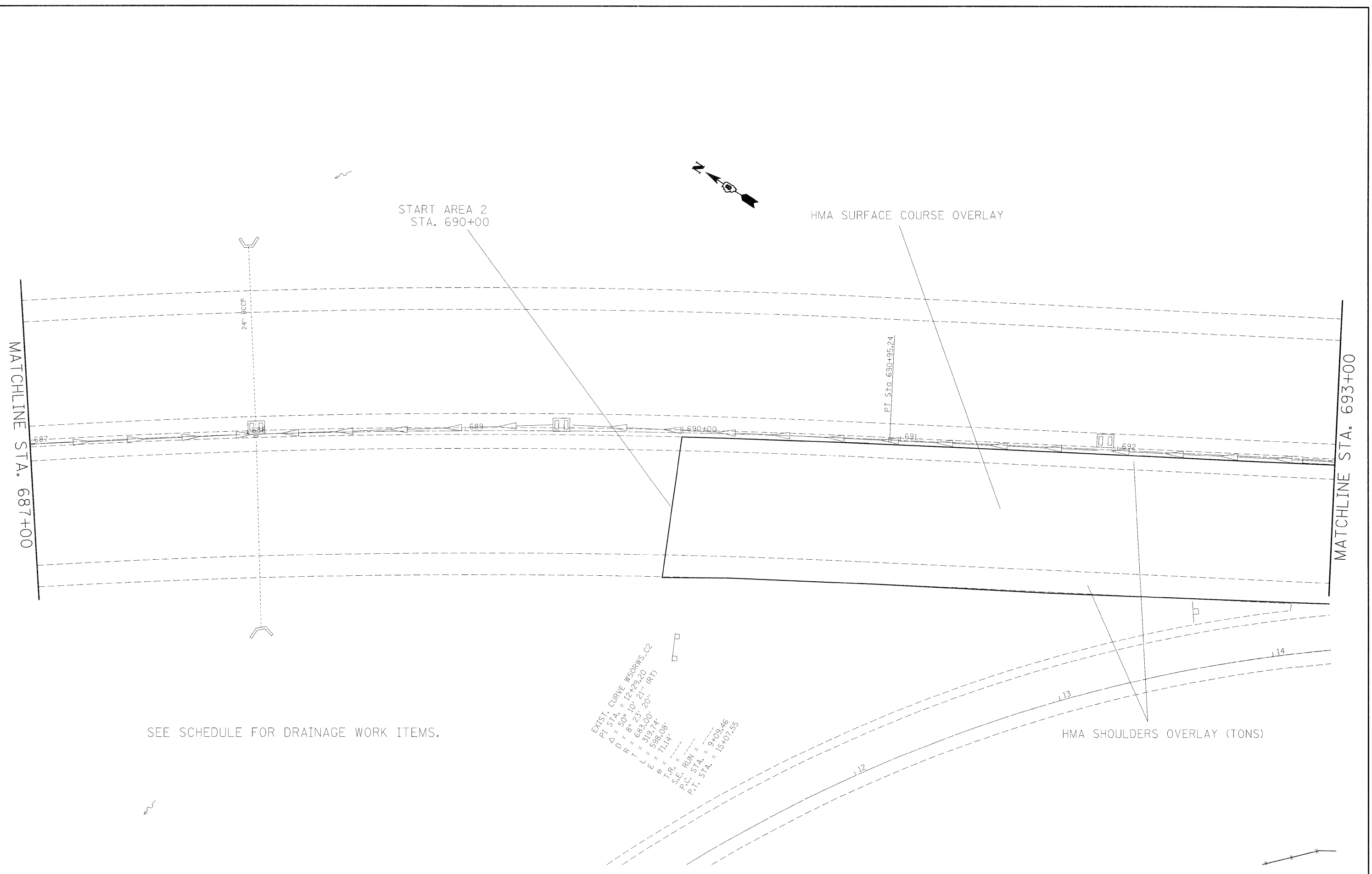
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS (LOCATION 2)

SCALE: 1"=20' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

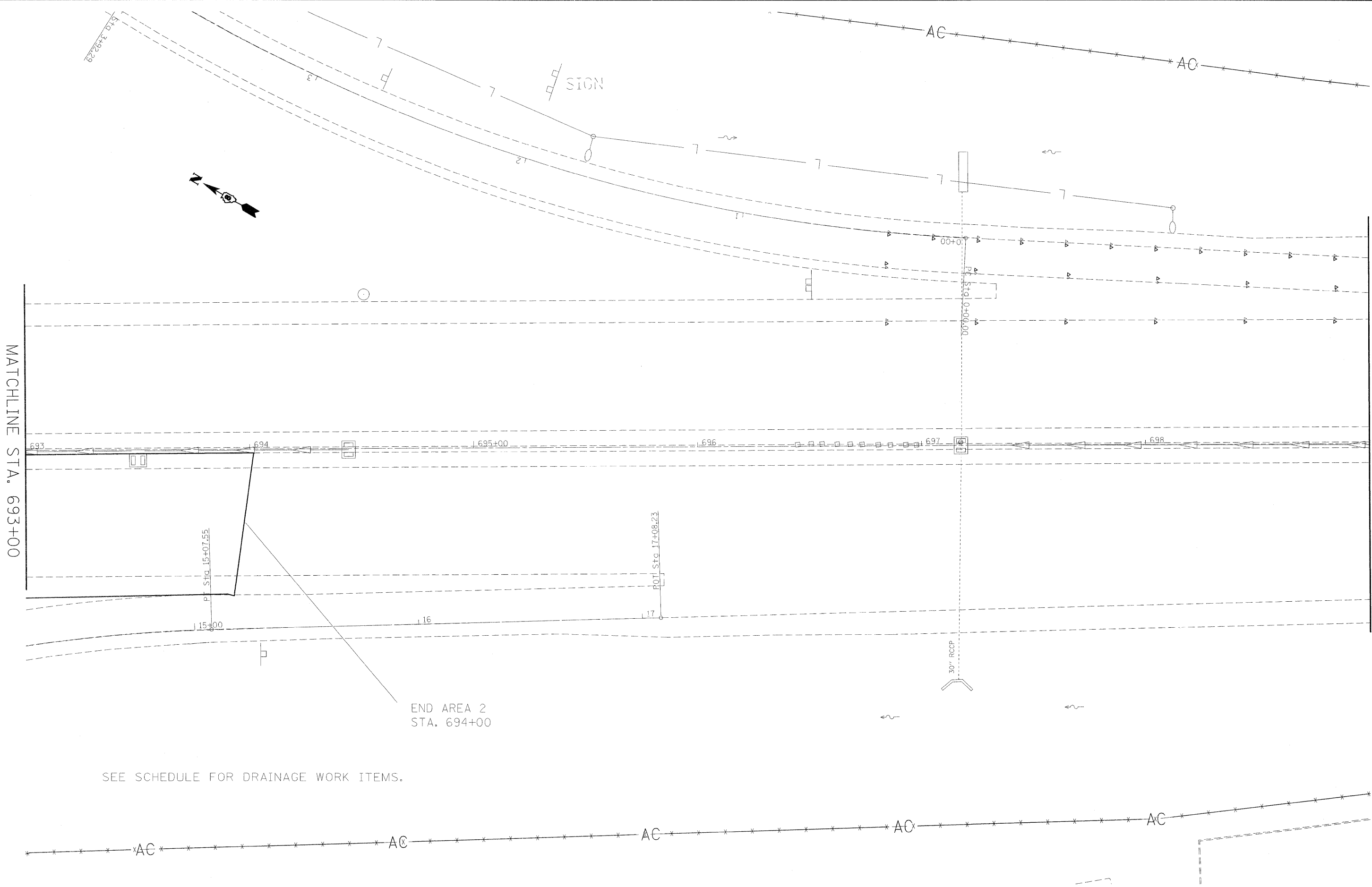
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-6T	ST. CLAIR	53	23
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E69	



SEE SCHEDULE FOR DRAINAGE WORK ITEMS.

EXIST. CURVE W/SPRKS-C2
 P.I. STA. = 12+29.20
 $\Delta = 50^\circ 10' 21''$ (RT)
 $D = 8^\circ 23' 20''$ (RT)
 $F = 683.00'$
 $L = 319.74'$
 $E = 99.08'$
 $e = 71.14'$
 S.E. RUN =
 P.C. STA. = 9+09.46
 P.T. STA. = 15+07.55

FILE NAME = \$FILEL\$	USER NAME = \$USER\$	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS (LOCATION 2)		F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 24	
PLOT SCALE = \$SCALE\$	CHECKED - ---	REVISED - ---	SCALE: 1"=20'		SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					
PLOT DATE = \$DATE\$	DATE - _____	REVISED - ---	CONTRACT NO. 76E69									



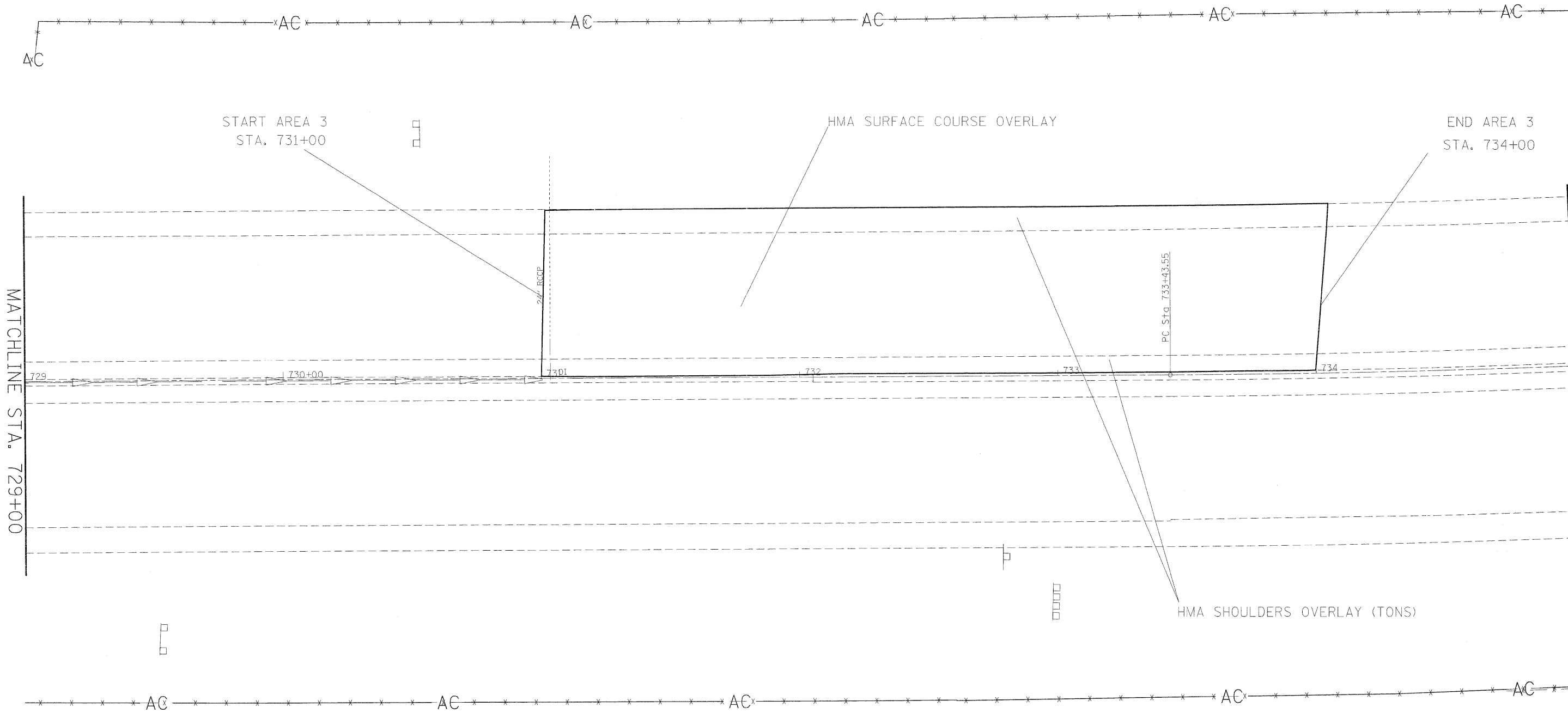
MATCHLINE STA. 693+00

MATCHLINE STA. 705+00

END AREA 2
STA. 694+00

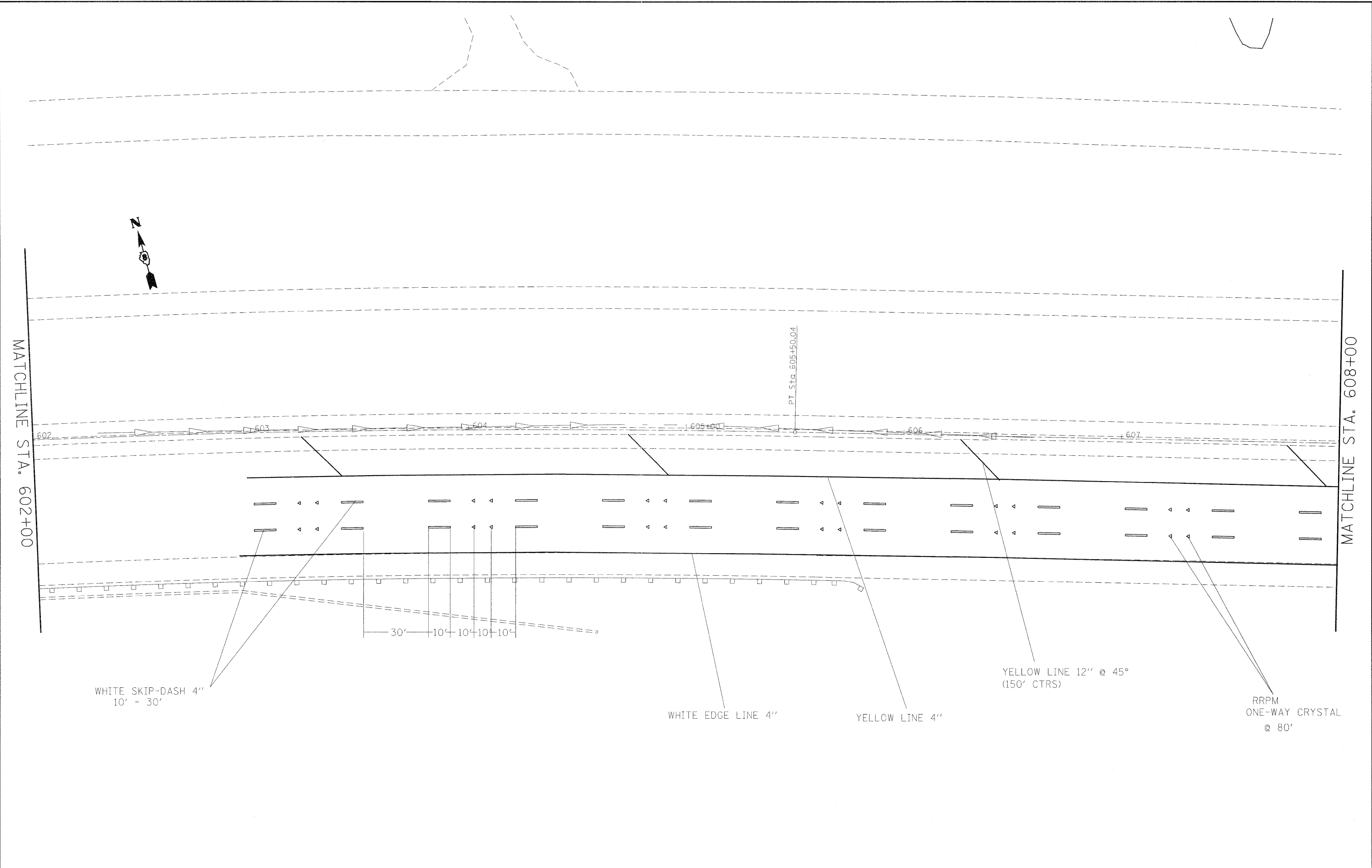
SEE SCHEDULE FOR DRAINAGE WORK ITEMS.

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS (LOCATION 2)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		64	82-6T	ST. CLAIR	53	25		
PLOT DATE = #DATE#	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 76E69			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			
	DATE -	REVISED -	REVISED -		SCALE: 1"=20'	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____				



SEE SCHEDULE FOR DRAINAGE WORK ITEMS.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS (LOCATION 3)			F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 26
#FILE#		DRAWN -	REVISED -		SCALE: 1"=20'	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76E69				
		CHECKED -	REVISED -		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



WHITE SKIP-DASH 4"
10' - 30'

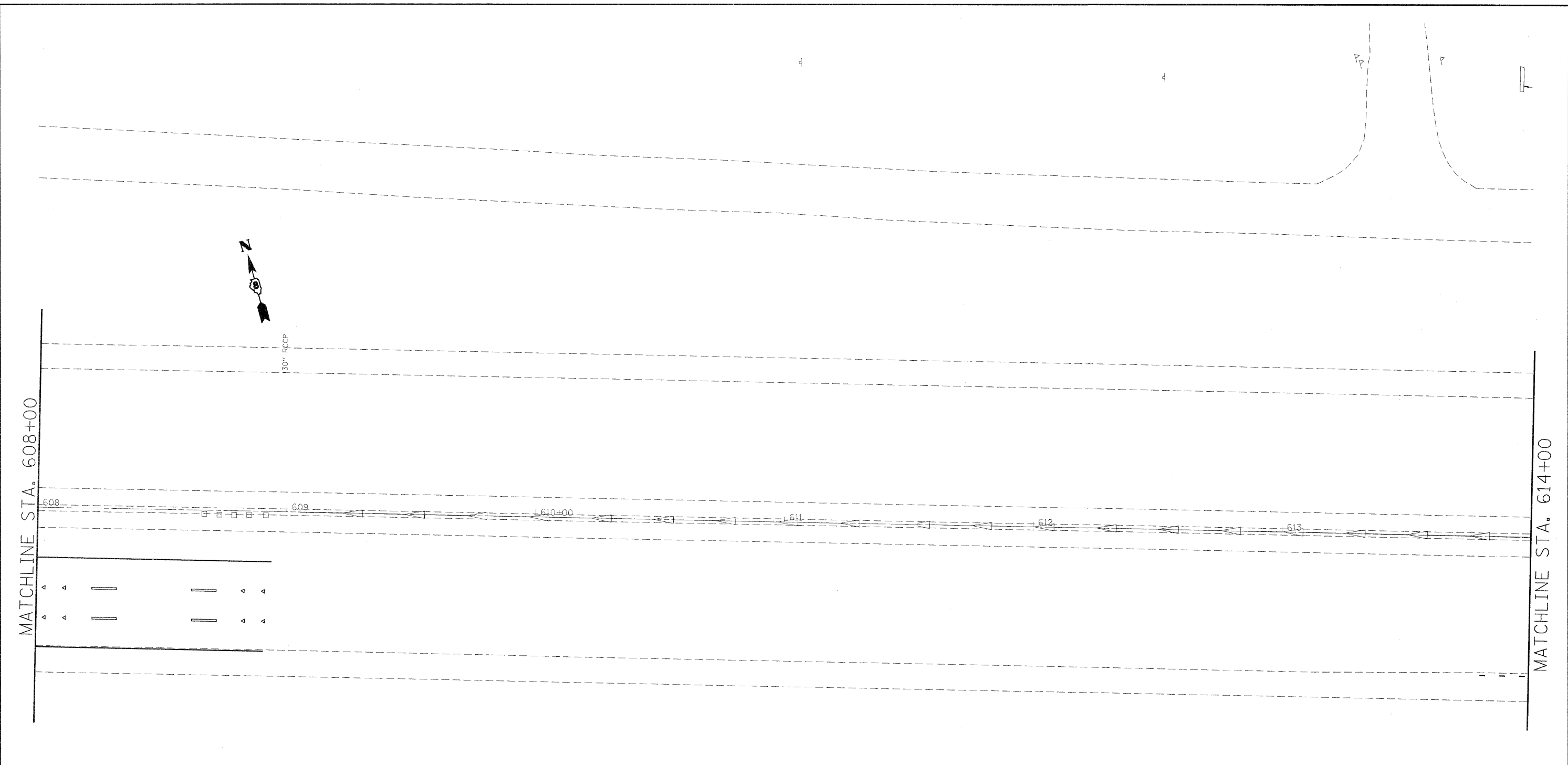
WHITE EDGE LINE 4"

YELLOW LINE 4"

YELLOW LINE 12" @ 45°
(150' CTRS)

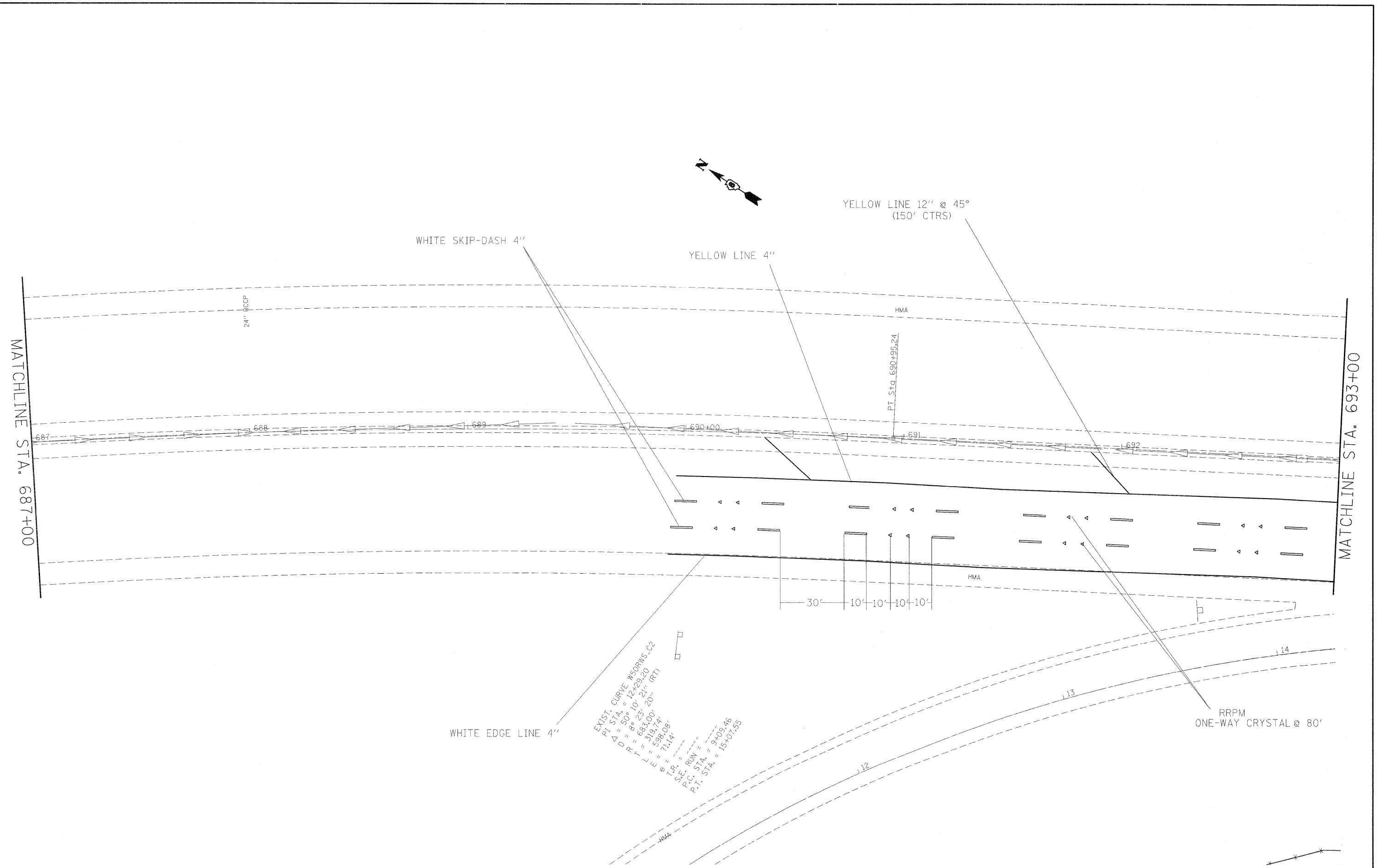
RRPM
ONE-WAY CRYSTAL
@ 80'

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING (LOCATION 1)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---				.64	.82-6T	ST. CLAIR	53	27
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---				CONTRACT NO. 76E69				
				SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

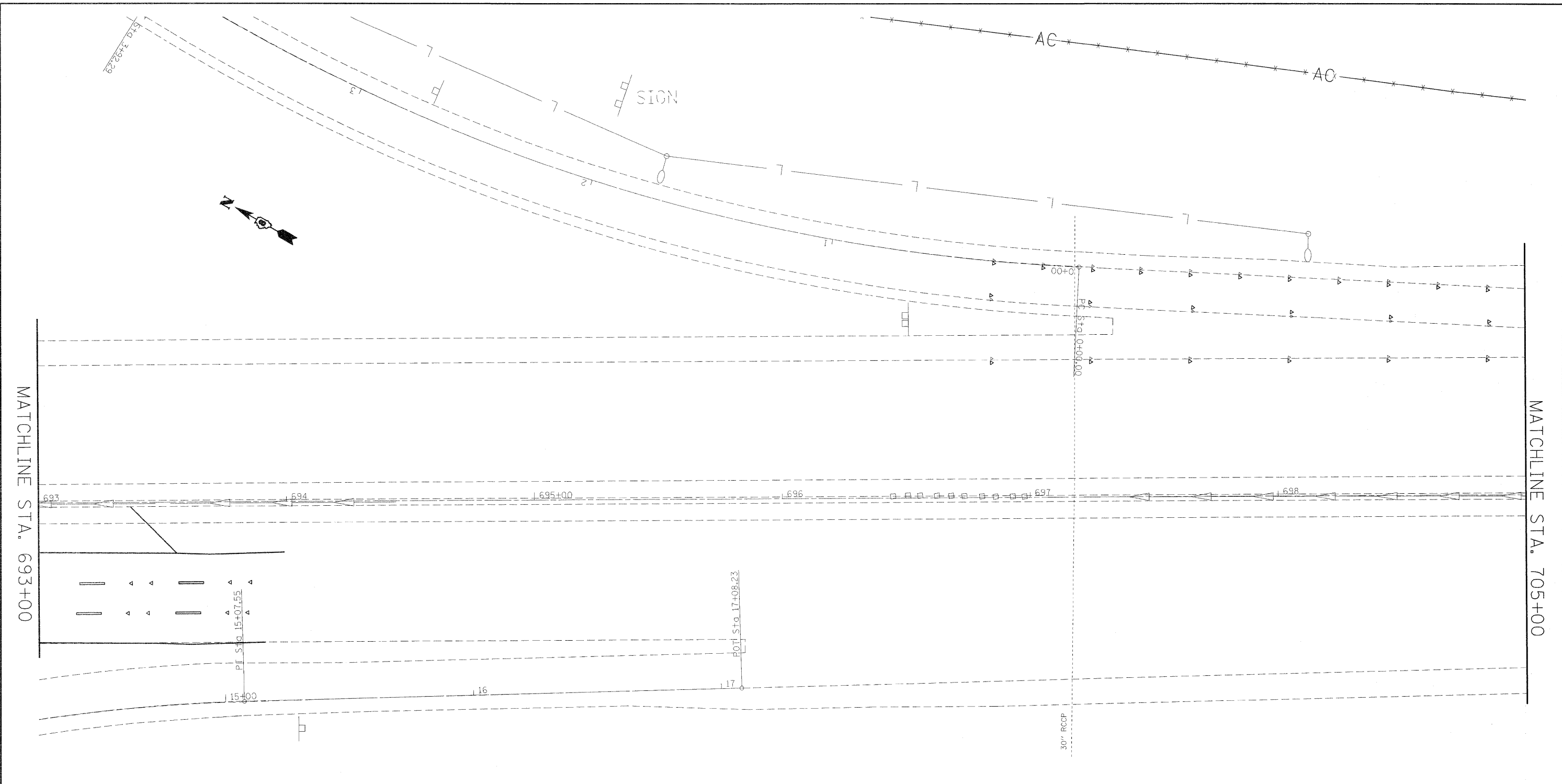


SEE PREVIOUS SHEET FOR LABELING.

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING (LOCATION 1)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			.64.	82-6T	ST. CLAIR	53	28	
	PLOT DATE = #DATE#	DATE -	REVISED -			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			
						CONTRACT NO. 76E69					

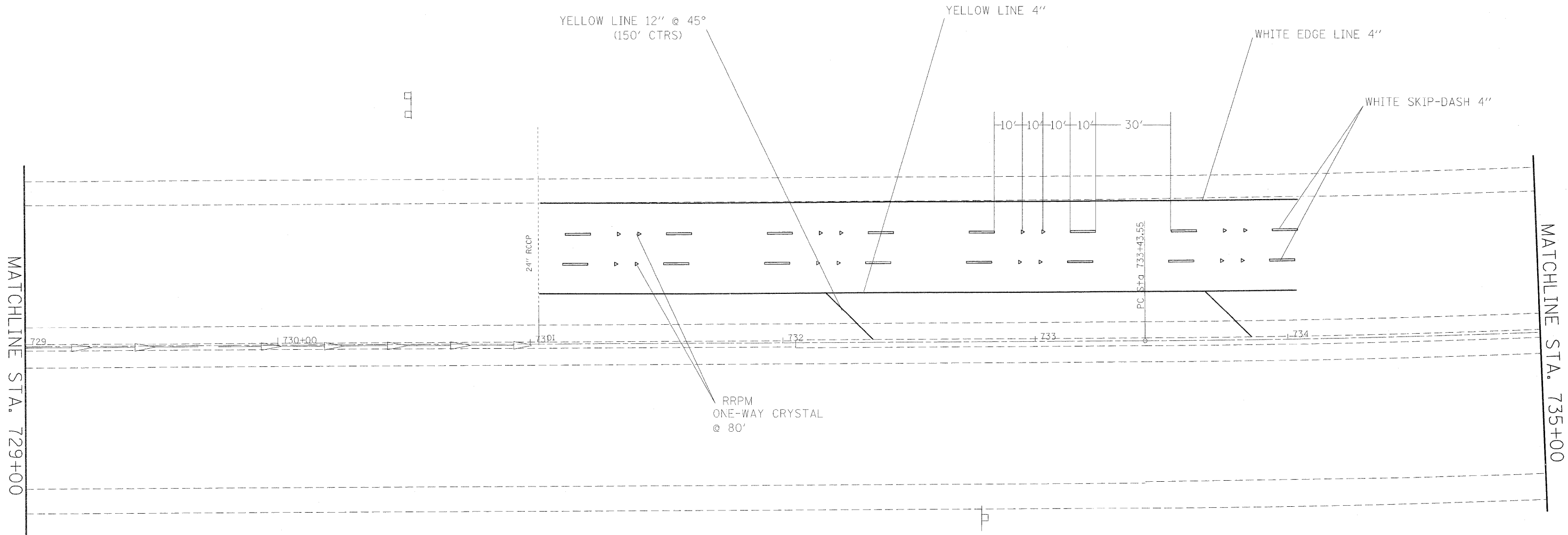


FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS (LOCATION 2)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN -	REVISED -			.64	82-6T	ST. CLAIR	53	29	
PLOT SCALE = #SCALE#		CHECKED -	REVISED -			CONTRACT NO. 16E69					
PLOT DATE = #DATE#		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
					SCALE: _____	SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____			



SEE PREVIOUS SHEET FOR LABELING.

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS (LOCATION 2)		F.A.I. RTE. 64	SECTION 82-6I	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 30
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		CONTRACT NO. 76E69	
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---								
		DATE - -----	REVISED - ---								

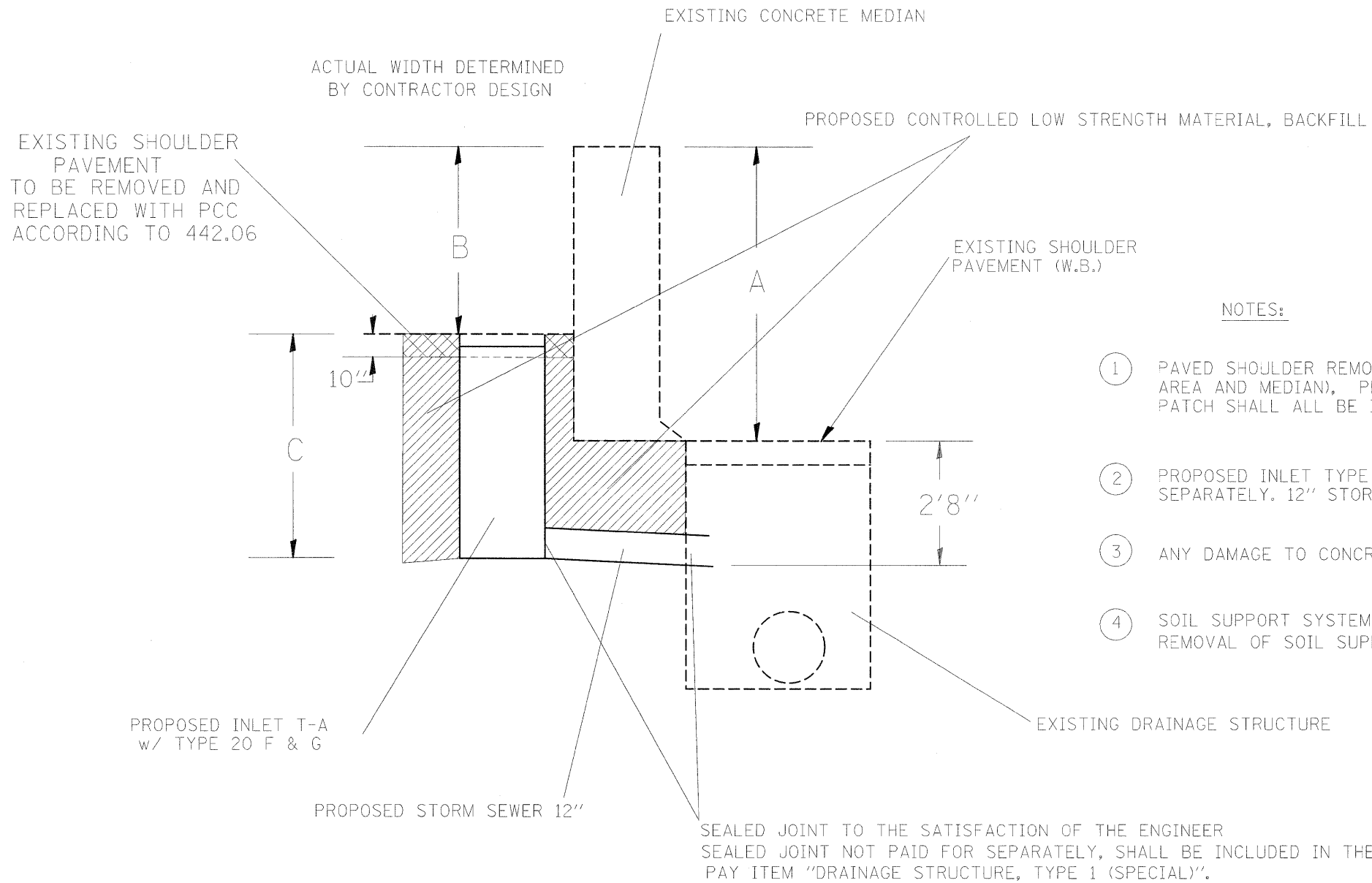


FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS (LOCATION 3)		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---				.64	82-6T	ST. CLAIR	53	31
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---				CONTRACT NO. 76E69				
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____							FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE, TYPE 1 (SPECIAL) (CROSS-SECTION)

DRAINAGE STRUCTURE DESIGN

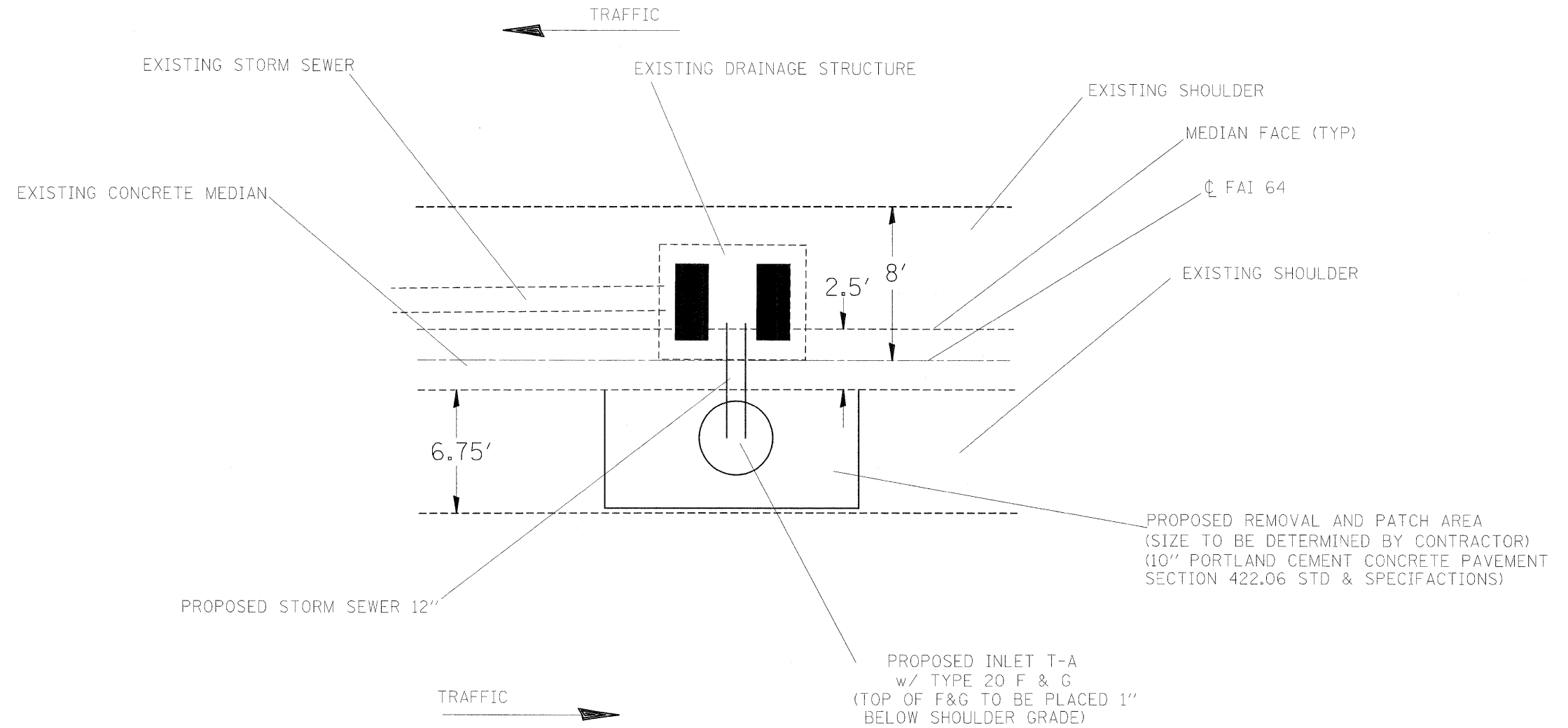
STATION	A	B	C
LOCATION 1			
594+00	5' 8"	3' 4"	4' 10"
596+00	6' 1"	3' 6"	5' 1"
598+00	5' 10"	3' 7"	4' 9"
600+00	6' 0"	3' 7"	4' 11"
602+25	6' 2"	3' 7"	5' 1"
604+85	5' 9"	3' 7"	4' 8"
LOCATION 2			
689+41	6' 8"	3' 7"	5' 7"
691+94	5' 3"	3' 8"	4' 1"
LOCATION 3			
735+83	6' 6"	3' 10"	5' 4"



NOTES:

- ① PAVED SHOULDER REMOVAL, SOIL EXCAVATION, TRENCH PROTECTION (FOR EXCAVATION AREA AND MEDIAN), PLACEMENT OF CONTROLLED LOW STRENGTH MATERIAL, AND PAVEMENT PATCH SHALL ALL BE INCLUDED IN THE PAY ITEM "DRAINAGE STRUCTURE, TYPE 1 (SPECIAL)".
- ② PROPOSED INLET TYPE A W/ TYPE 20 FRAME AND GRATE WILL BE PAID FOR SEPARATELY. 12" STORM SEWER WILL BE PAID FOR SEPARATELY ALSO.
- ③ ANY DAMAGE TO CONCRETE MEDIAN SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- ④ SOIL SUPPORT SYSTEM OF AGGREGATE AND WELDED WIRE WILL BE ENCOUNTERED DURING EXCAVATION. REMOVAL OF SOIL SUPPORT SYSTEM INCLUDED IN COST OF "DRAINAGE STRUCTURE, TYPE 1 (SPECIAL)".

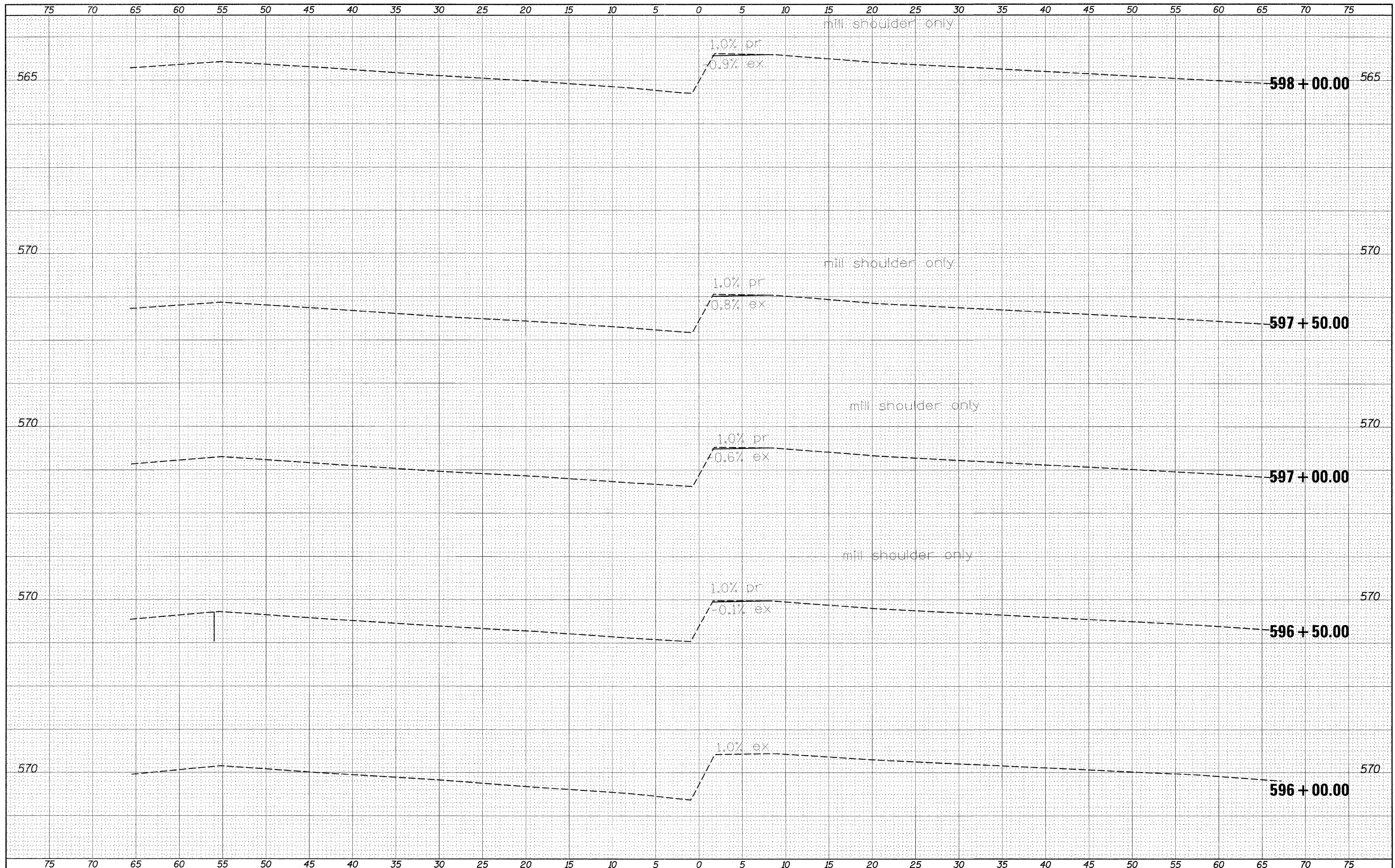
DRAINAGE STRUCTURE, TYPE 1 (SPECIAL) (PLAN VIEW)



FILE NAME =	USER NAME = karlasal	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURE, TYPE 1 (SPECIAL)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\karlasal\1\0244335\087669-sht-plan.dgn	669-sht-plan.dgn	DRAWN -	REVISED -			64	82-6T	ST. CLAIR	53	33	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76E69					
PLOT DATE = 3/28/2011		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
SCALE: NTS						SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____			

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

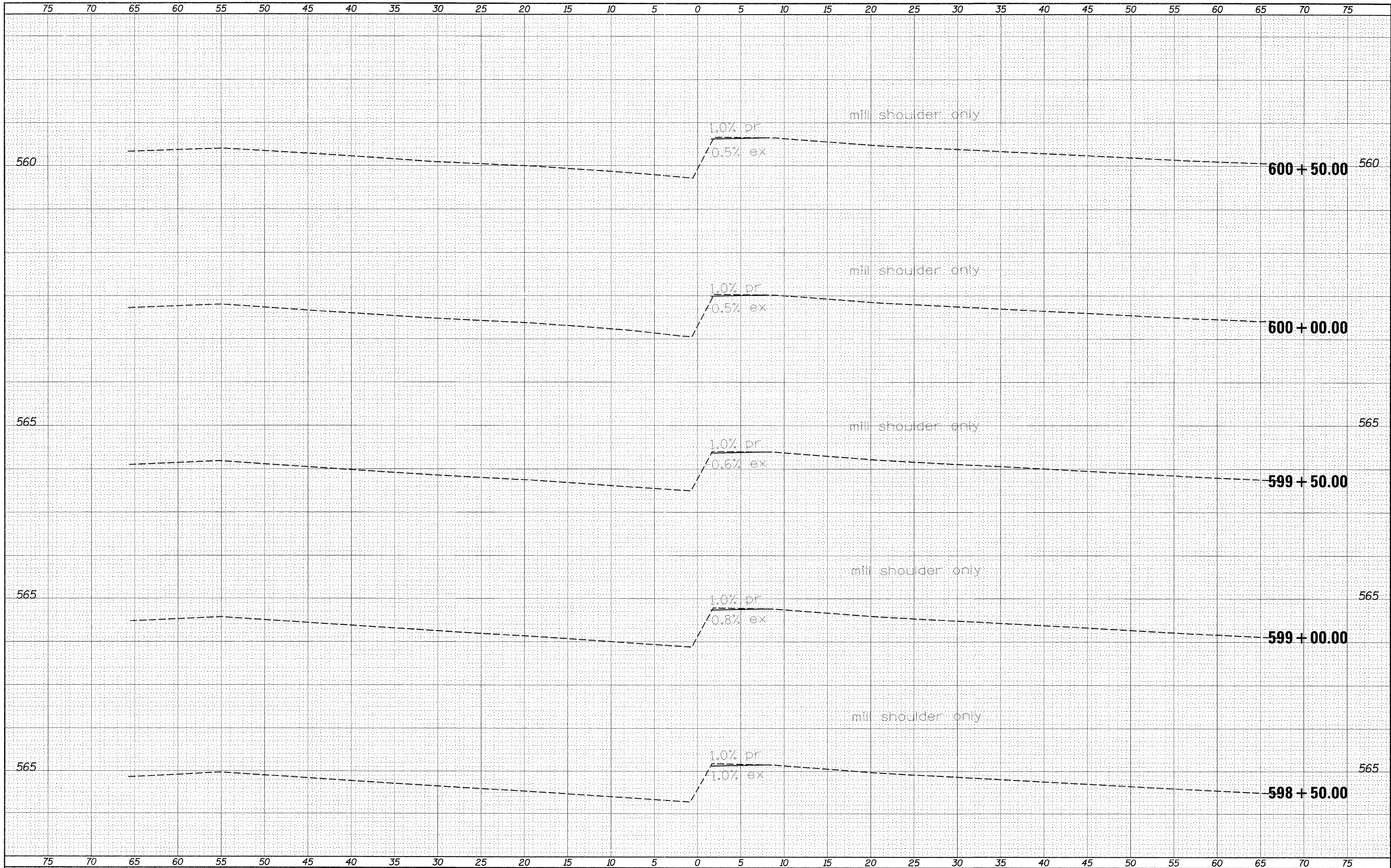
CROSS-SECTION SHEETS (LOCATION 1)

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. 596+00.00 TO STA. 598+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-6T	ST. CLAIR	53	34
CONTRACT NO. 76E69				
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

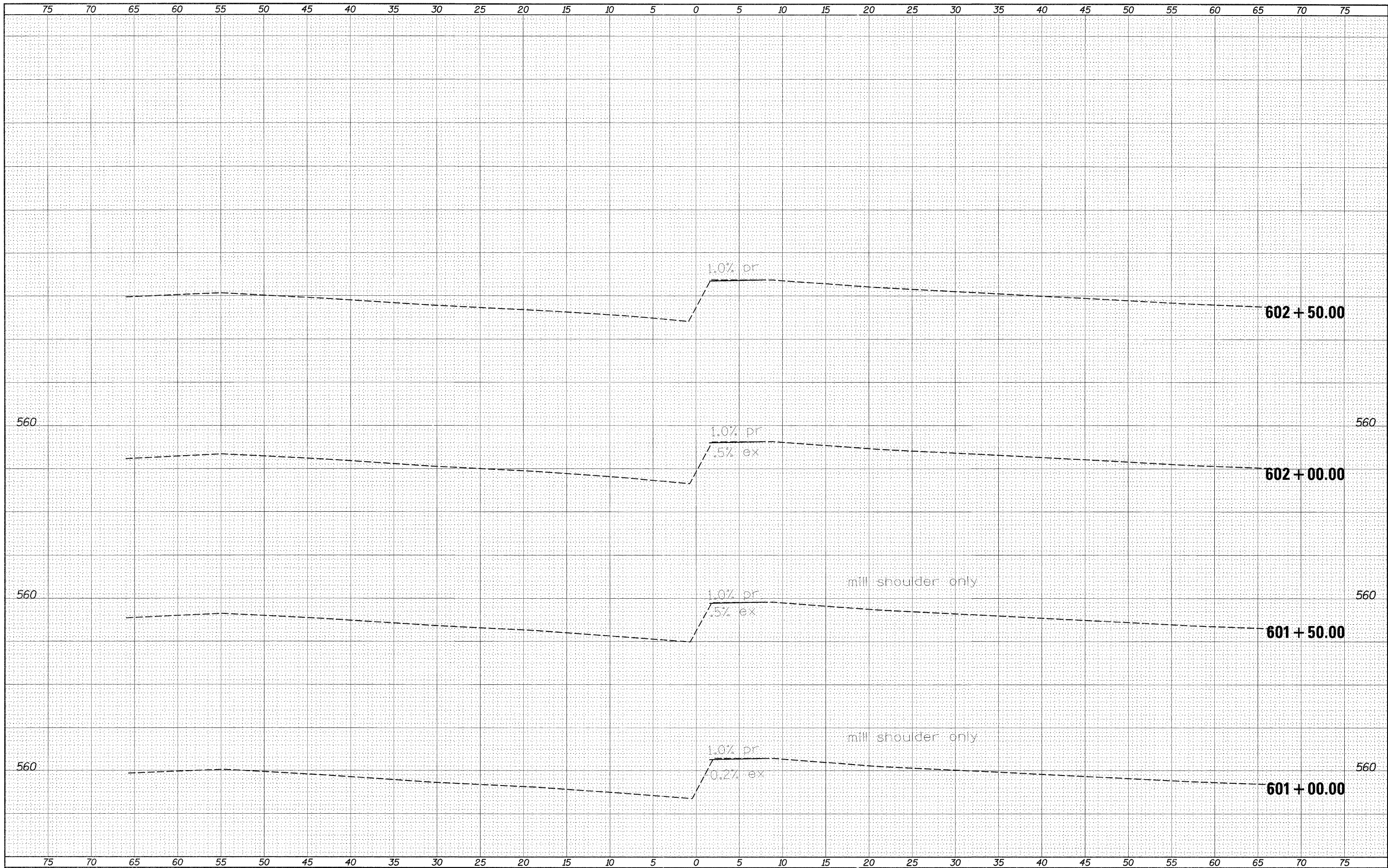
CROSS-SECTION SHEETS (LOCATION 1)

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. 598+50.00 TO STA. 600+50.00

F.A.I. RTE. 64	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	82-6T	ST. CLAIR	53	35
CONTRACT NO. 76E69				
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

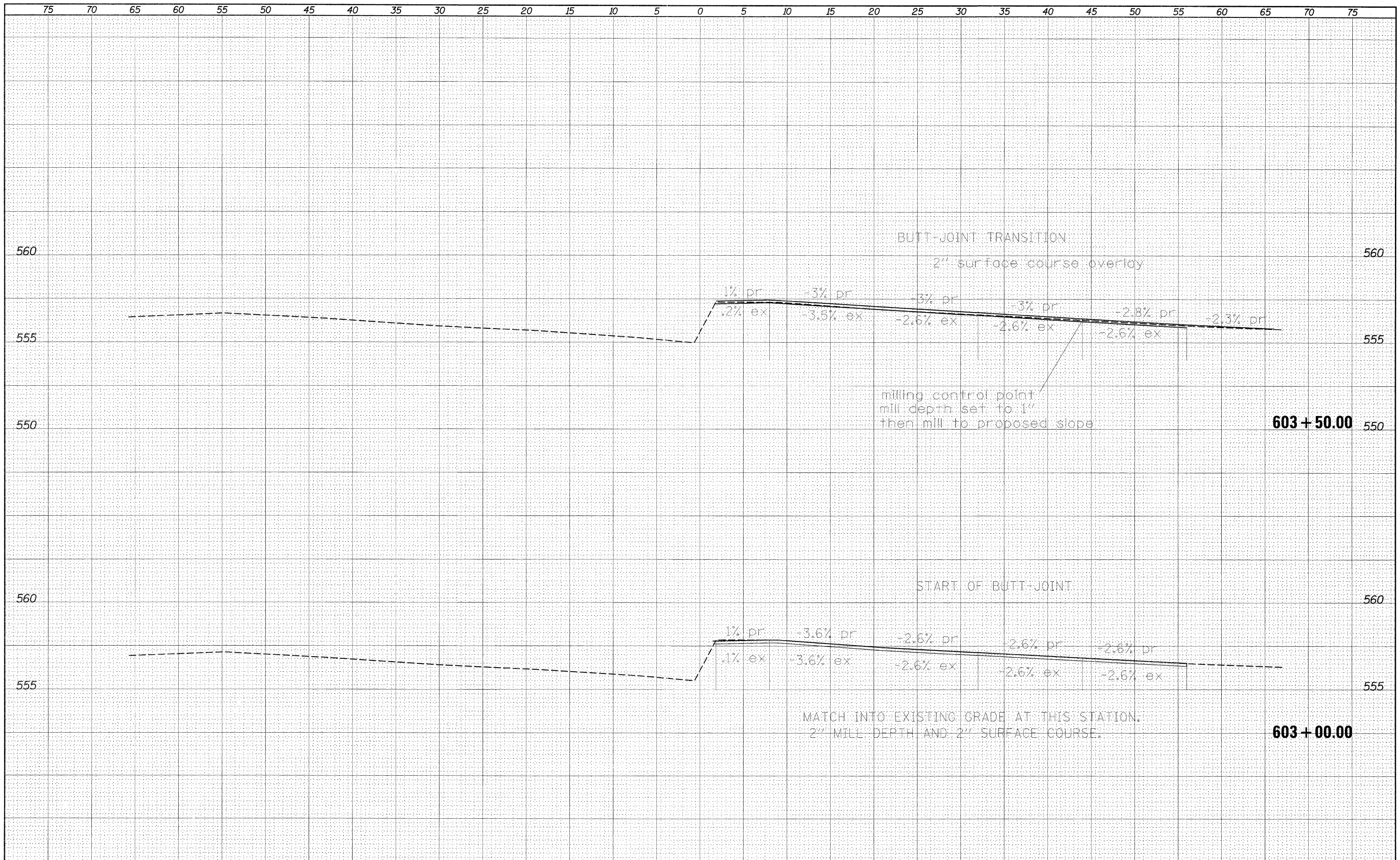
CROSS-SECTION SHEETS (LOCATION 1)

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. 601+00.00 TO STA. 602+50.00

F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 36
CONTRACT NO. 76E69				
ILLINOIS FED. AID PROJECT				

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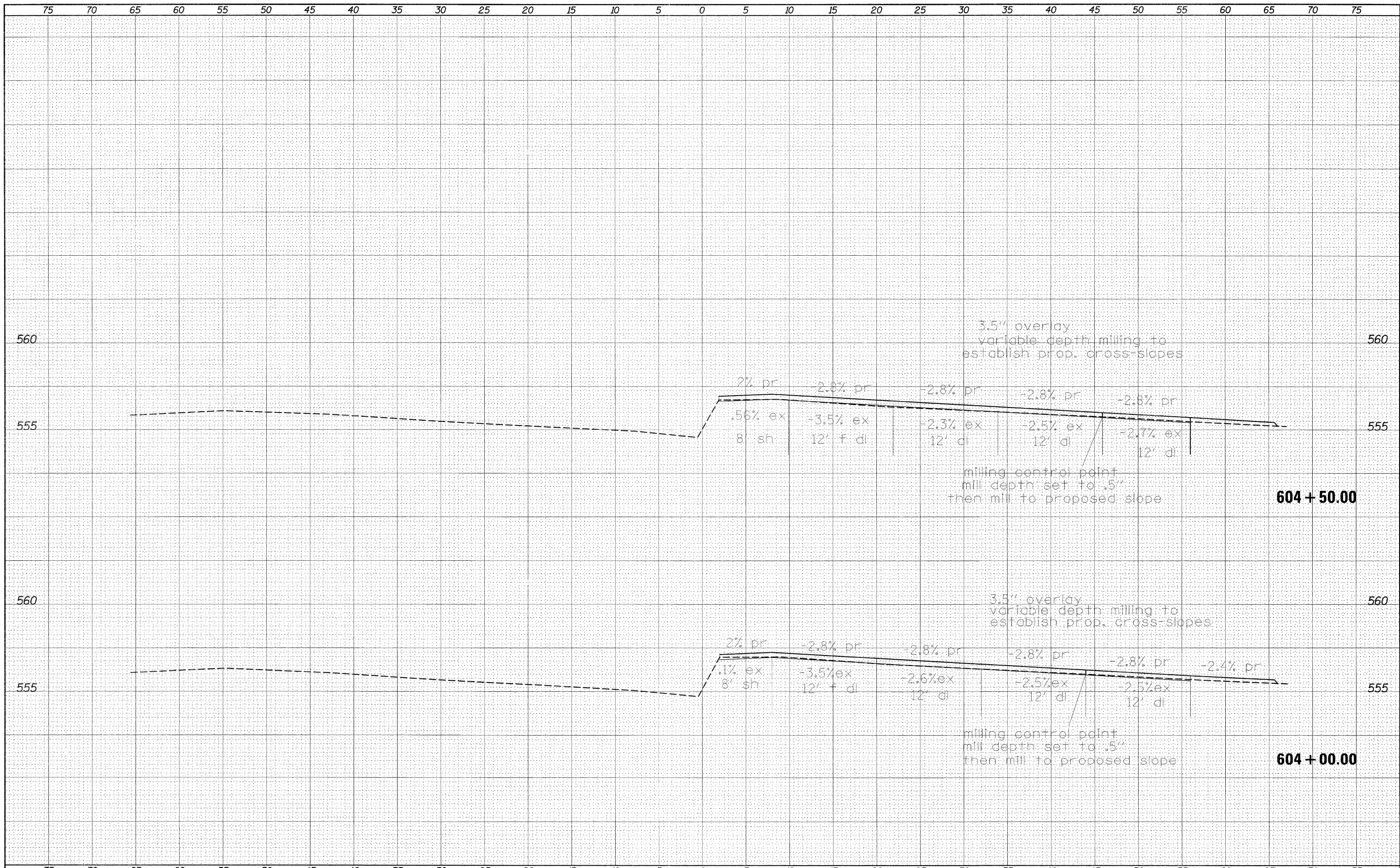
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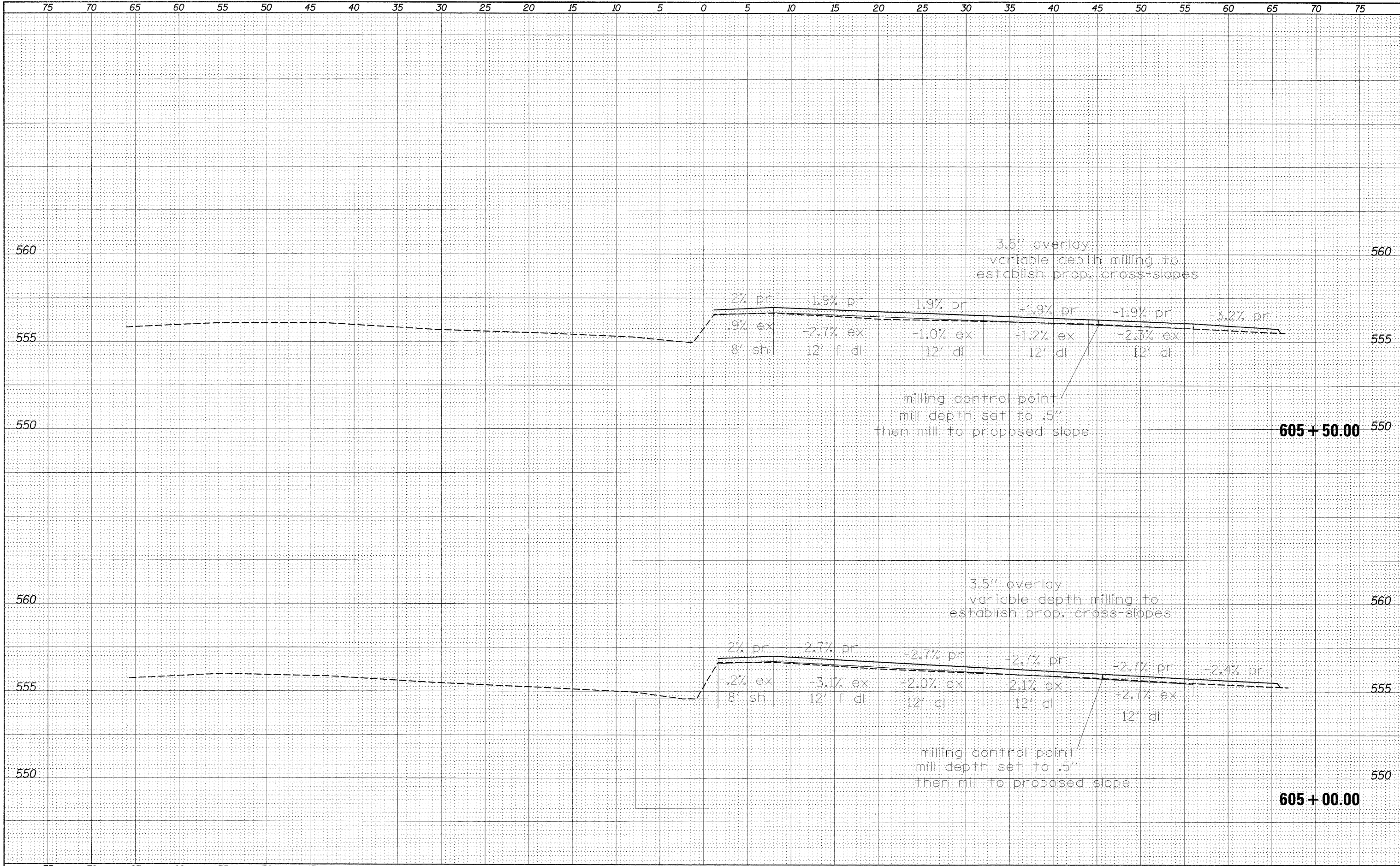
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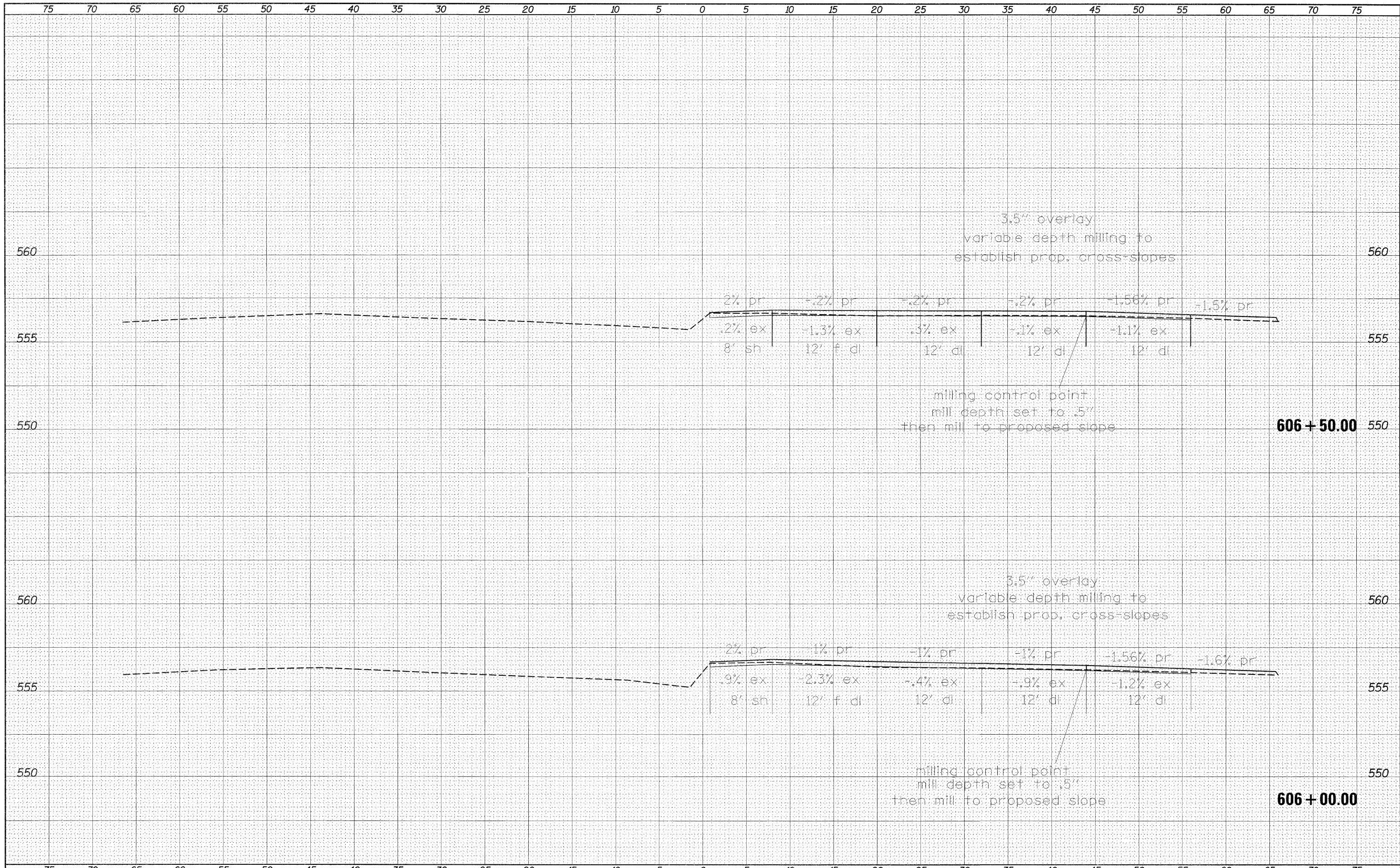
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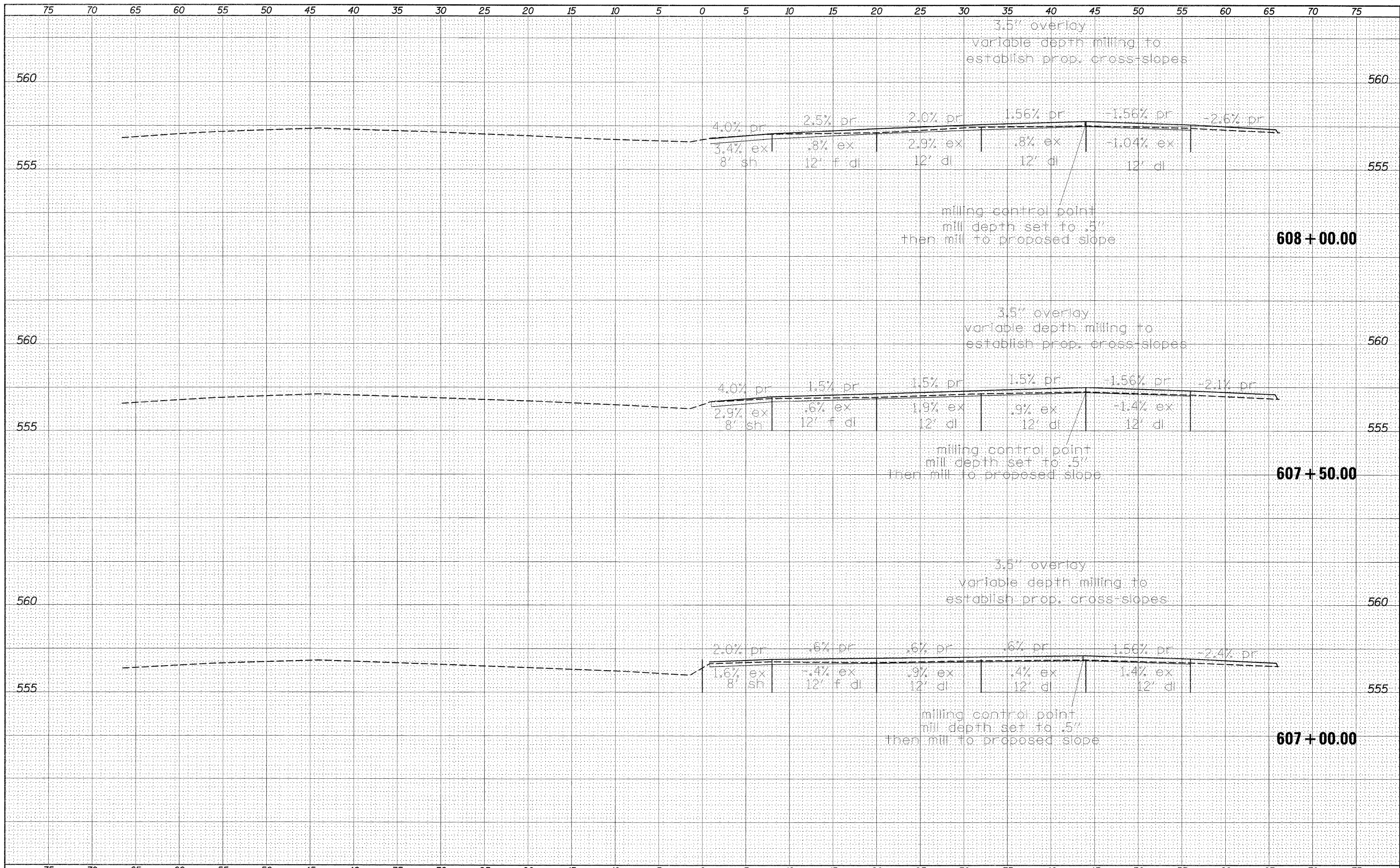
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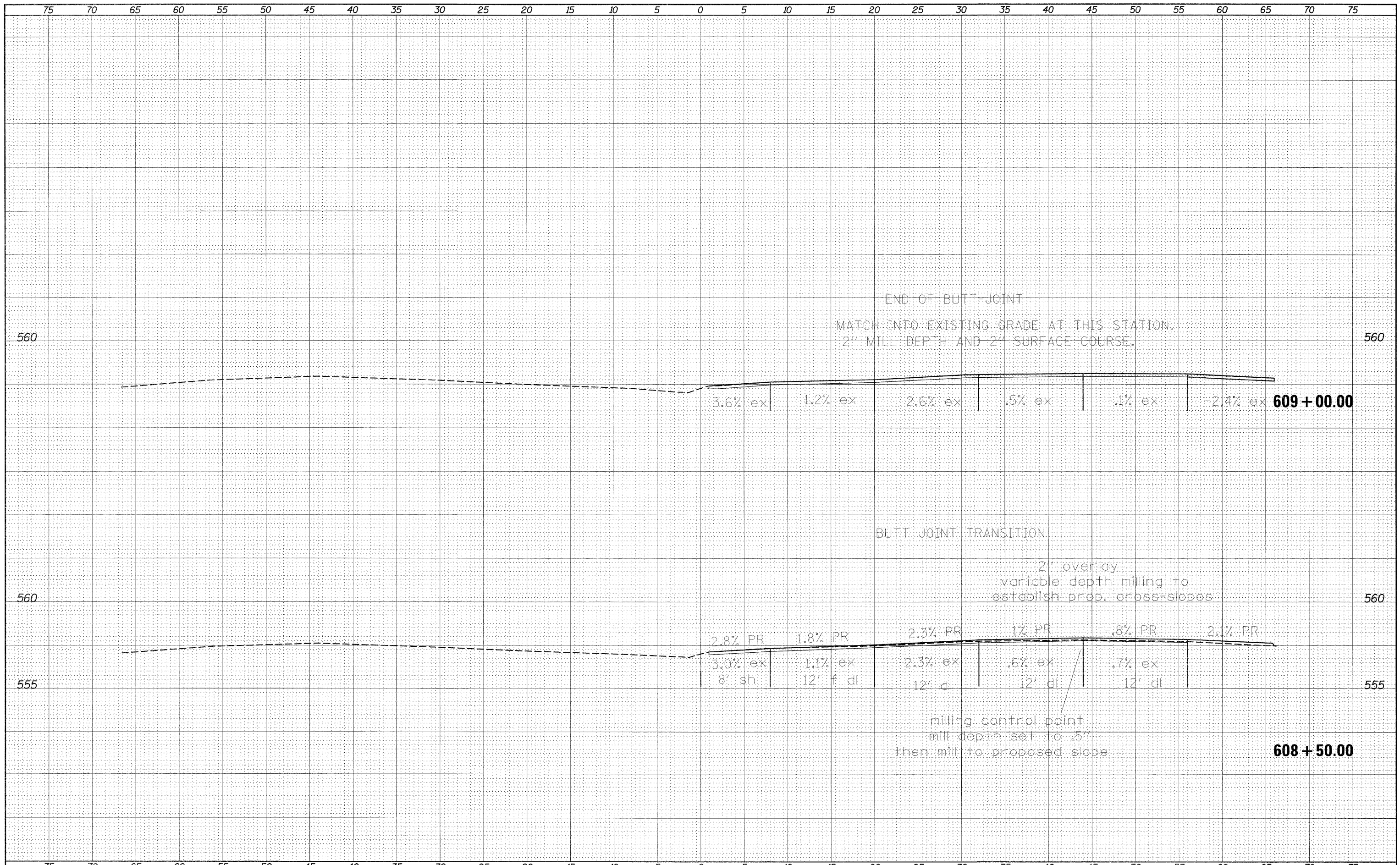
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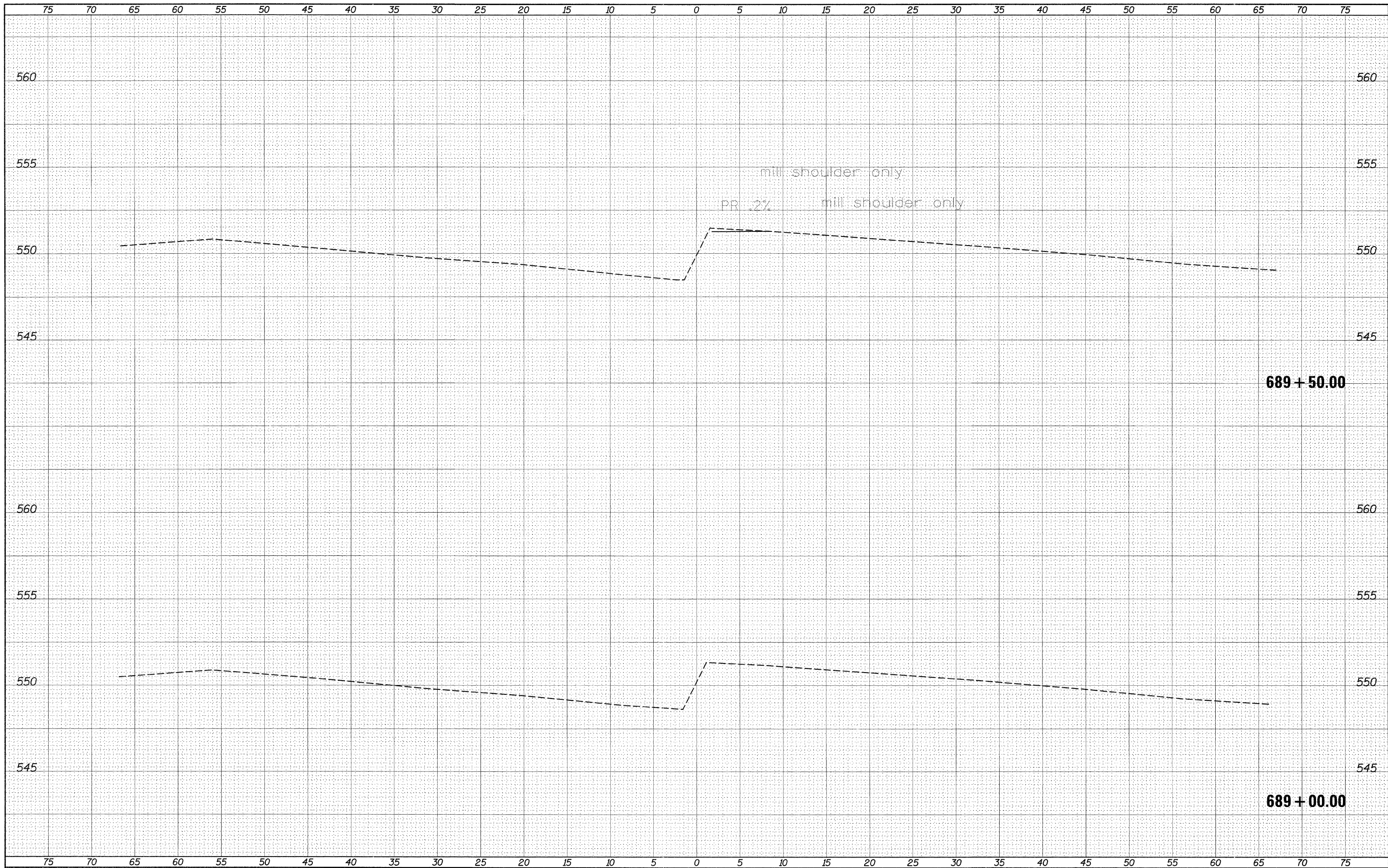
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

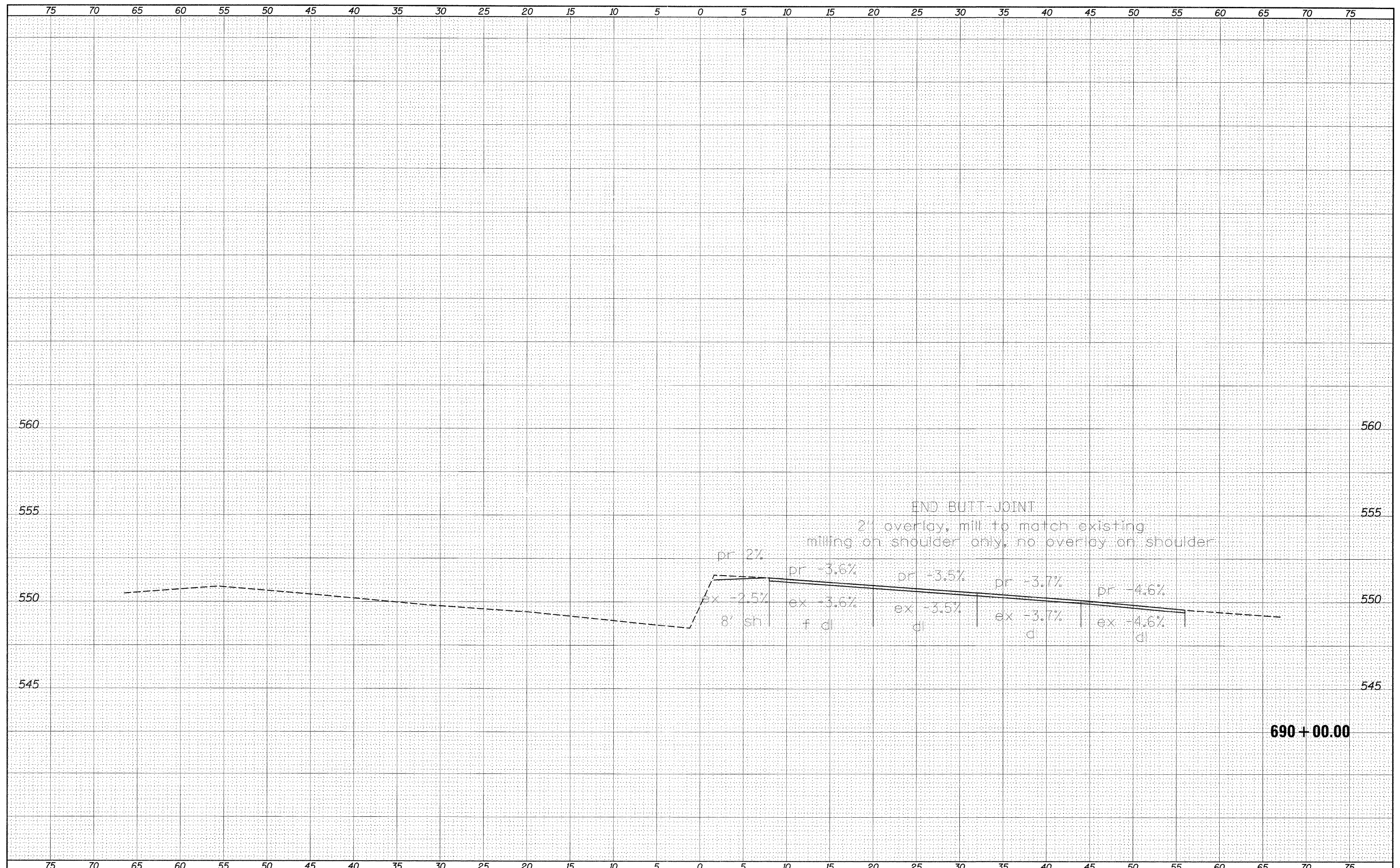
CROSS-SECTION SHEETS (LOCATION 2)

SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. 689+00.00 TO STA. 689+50.00

F.A.I. RTE. 64	SECTION 82-6T	COUNTY ST. CLAIR	TOTAL SHEETS 53	SHEET NO. 43
CONTRACT NO. 76E69				ILLINOIS FED. AID PROJECT

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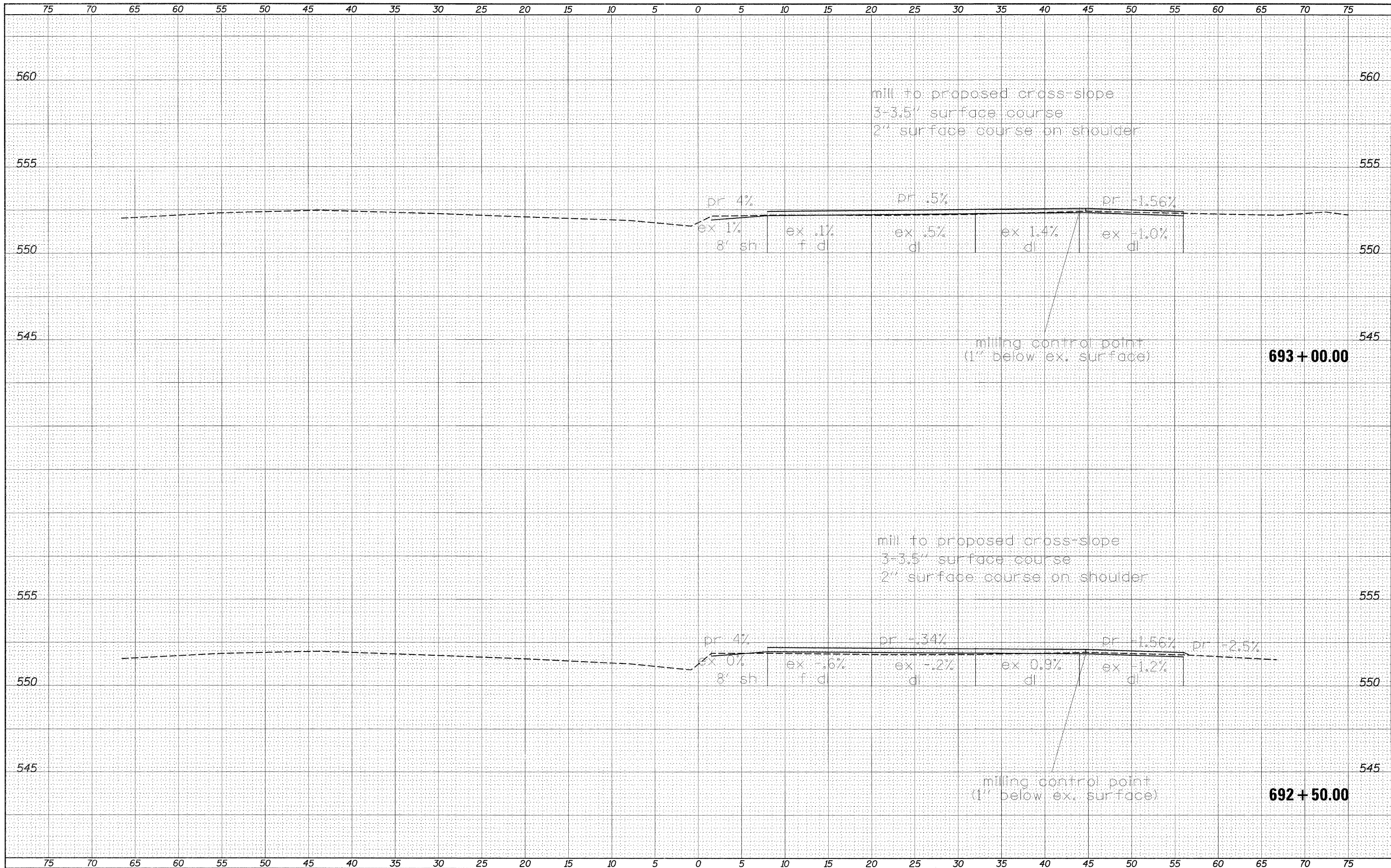
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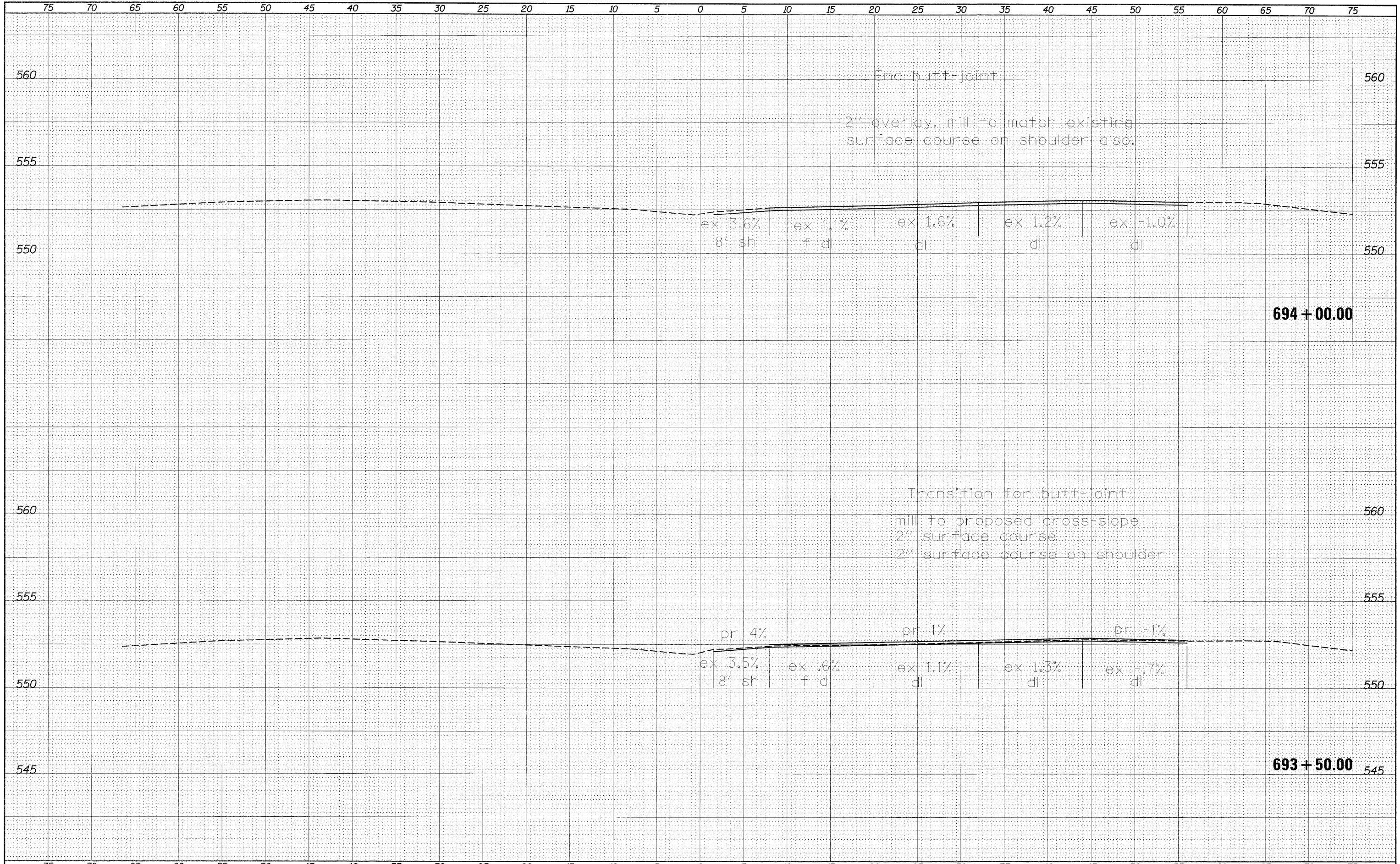
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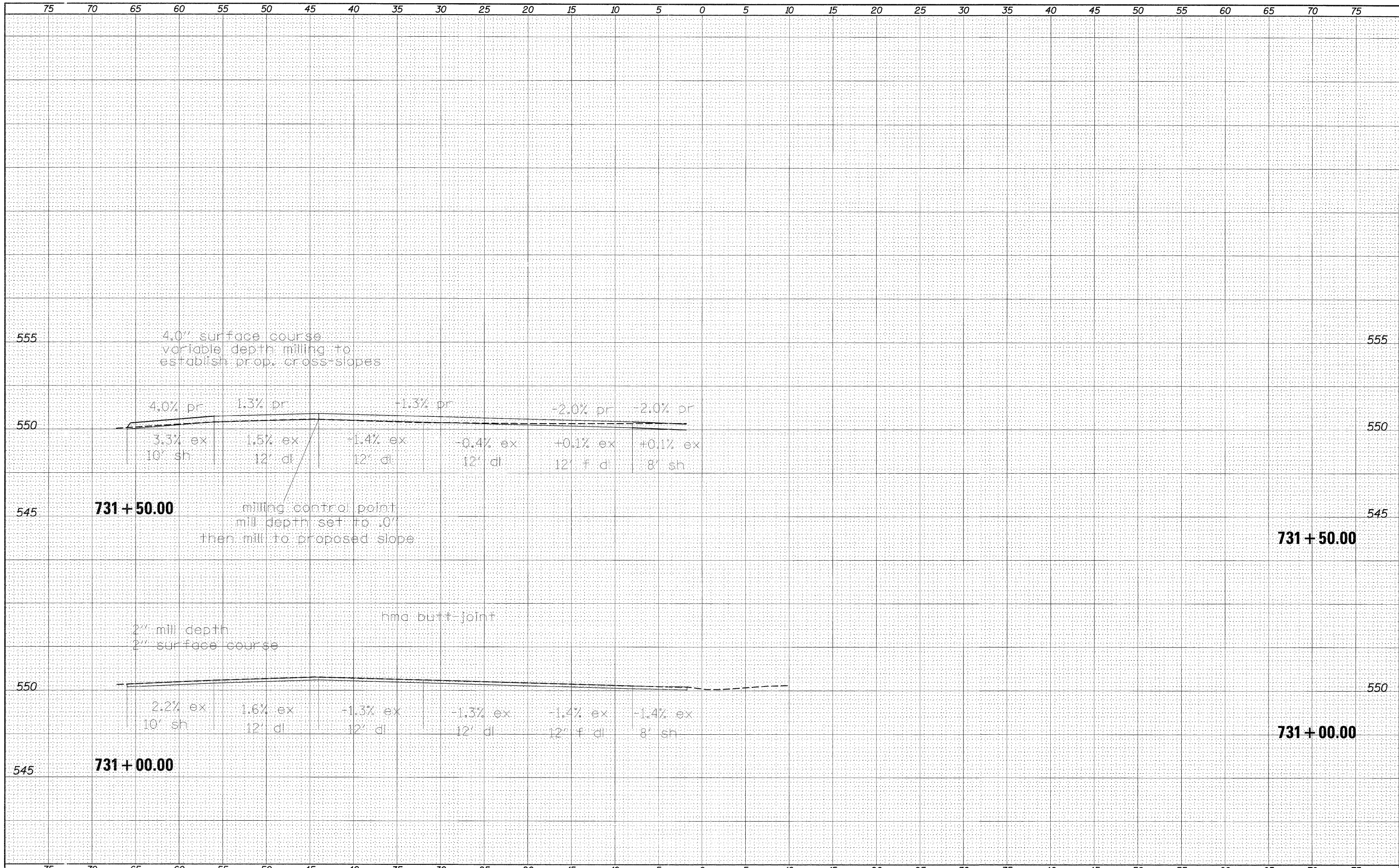
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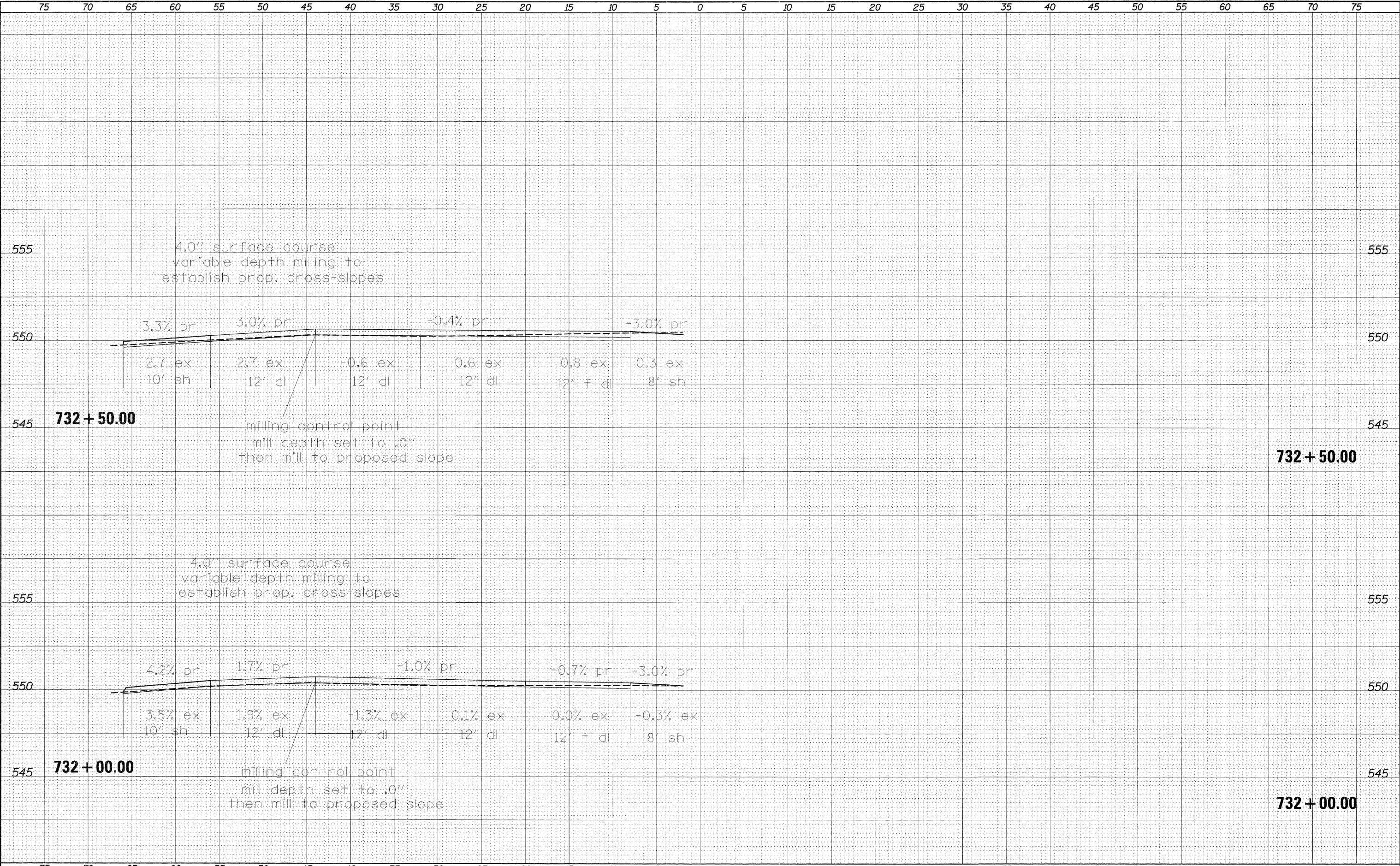
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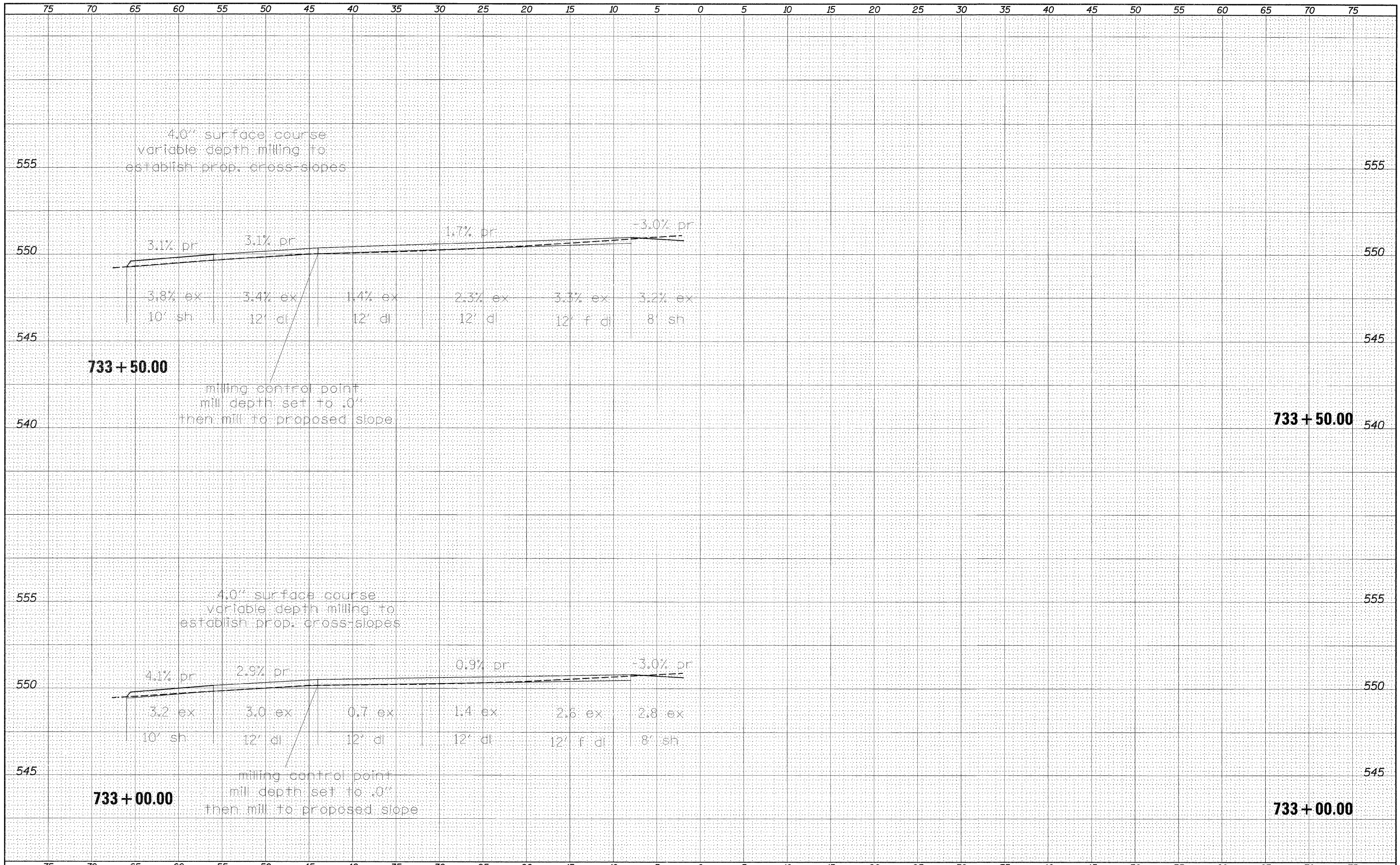
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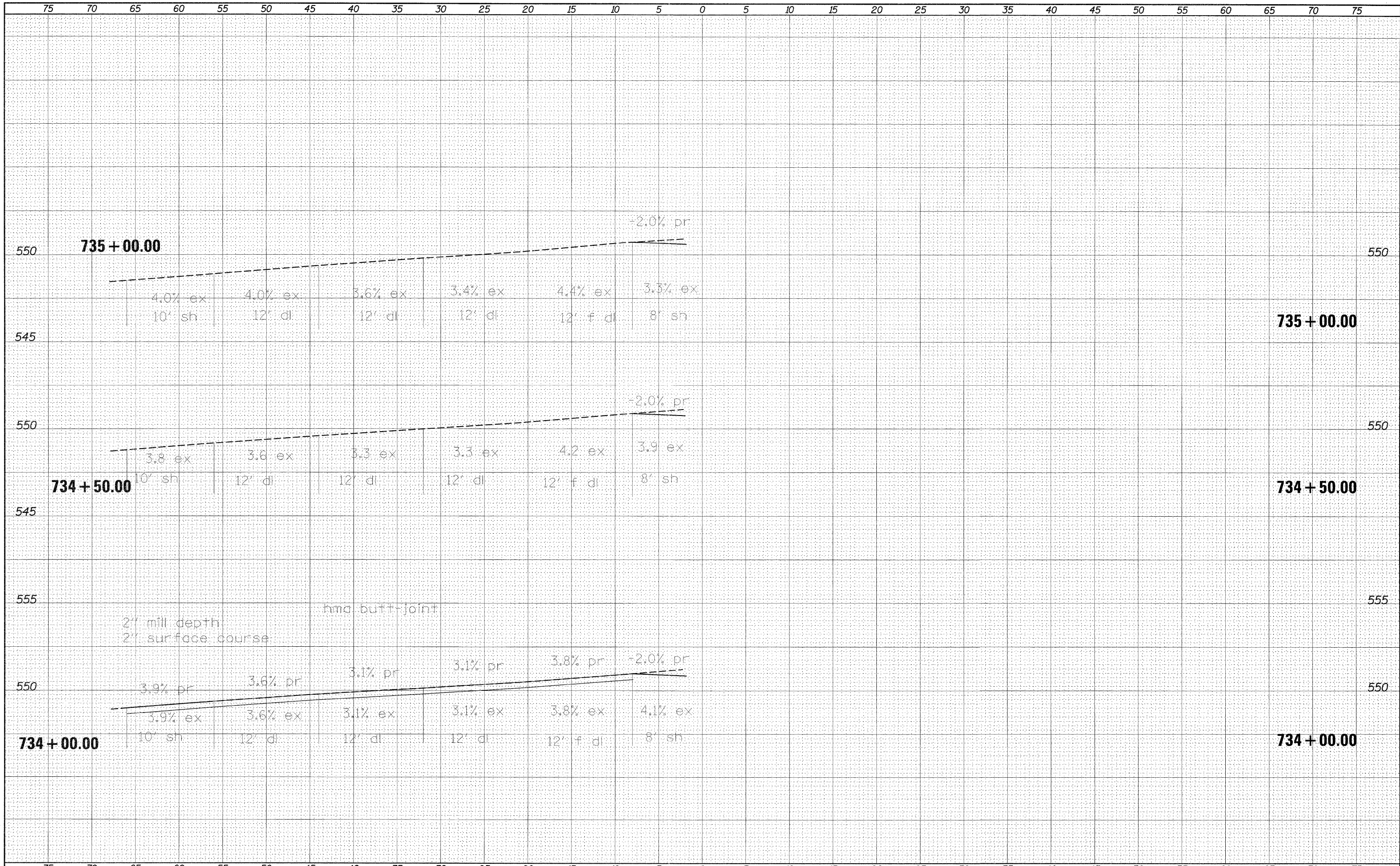
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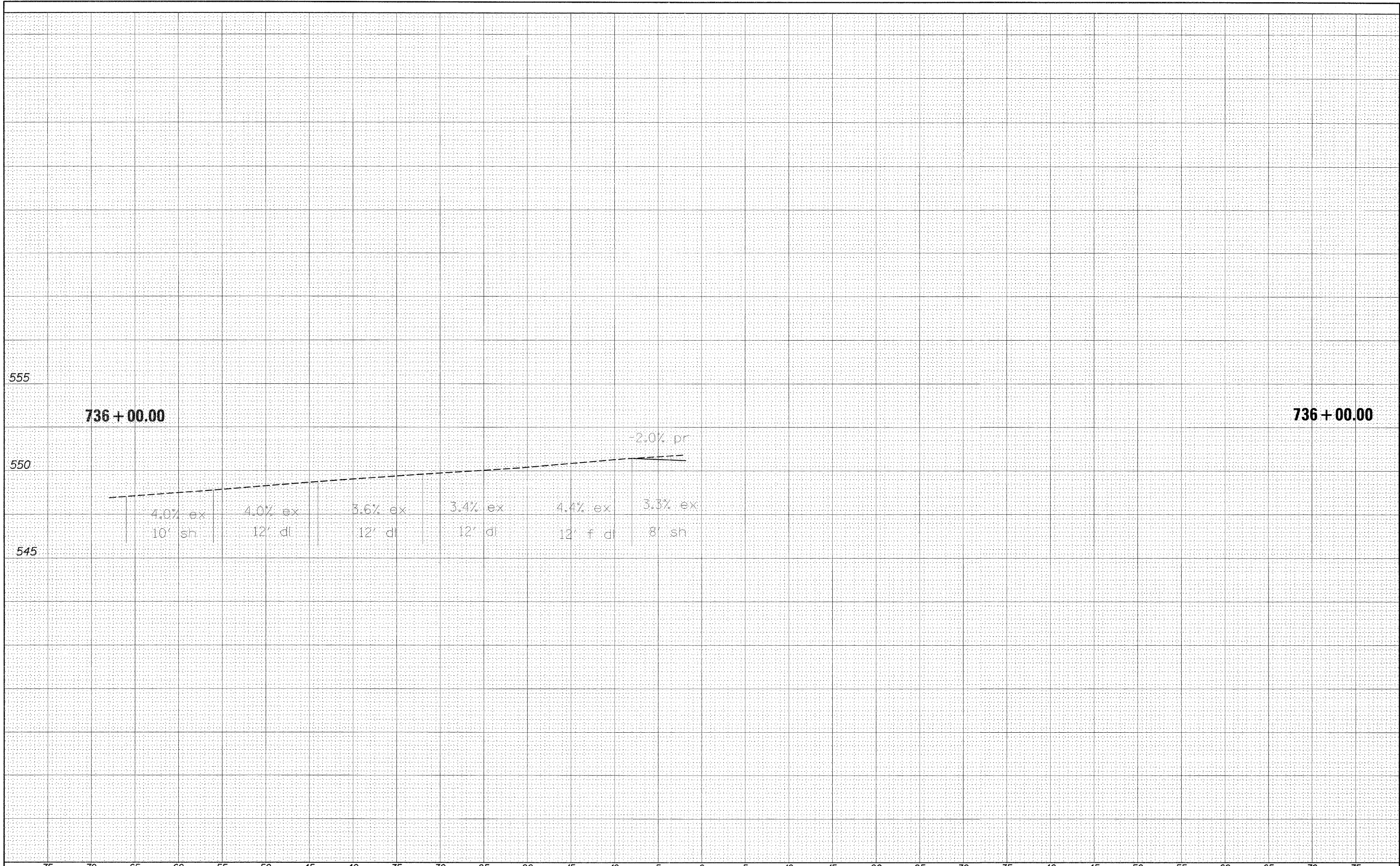
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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
		SCALE: _____		SHEET NO. ___ OF ___ SHEETS		STA. 734+00.00 TO STA. 735+00.00					

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