F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4	Richland	18	1
	ILLINOIS	CONTRACT NO. 74064		

5-15-09 Letting, Item 079

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

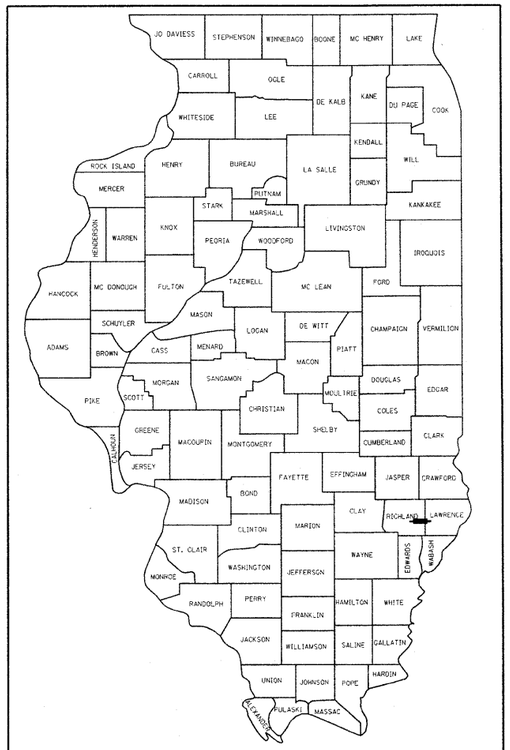
PROPOSED HIGHWAY PLANS

FAP ROUTE 327 (US 50)
SECTION (4-2)RS-4

BITUMINOUS RESURFACING
RICHLAND COUNTY

C-97-082-04

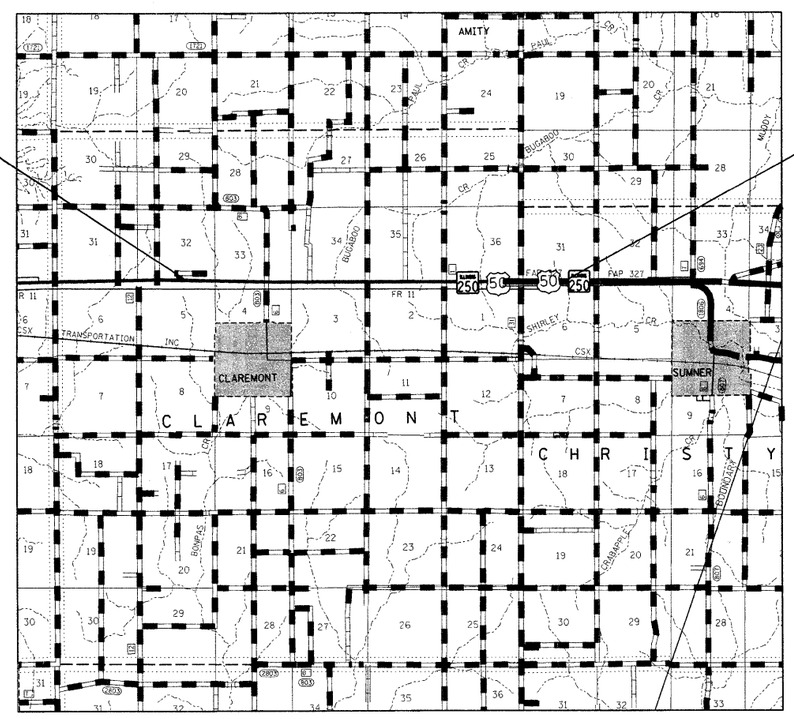
D-97-044-04



LOCATION OF SECTION INDICATED THUS:-

PROJECT BEGINS
STA 338+60

PROJECT ENDS
STA 556+70



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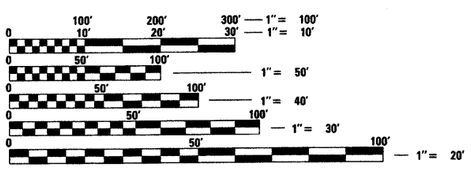

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

GROSS LENGTH = 21,810 FEET = 4.13 MILES
NET LENGTH = 21,810 FEET = 4.13 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 10 20 09

Roger L. Driskell
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 1, 20 09

Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

May 1, 20 09

Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: MARK DAUGHERTY
PROJECT MANAGER: BRIAN J. BIERMAN

CONTRACT NO. 74064

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

THE EXISTING PCC PAVEMENT SHALL BE SCARIFIED APPROXIMATELY 1/4". THIS SCARIFING OF THE PAVEMENT WILL NOT BE PAID FOR SEPARATELY. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS TO THE BITUMINOUS PLANT QUALITY CONTROL LAB SO THAT BITUMINOUS PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICES FOR OTHER ITEMS IN THE CONTRACT.

BITUMINOUS MATERIALS (PRIME COAT) SHALL BE EITHER RC-70 OR SS-1HP.

THE COST OF REMOVAL OF THE TEMPORARY RAMP SHALL BE INCLUDED IN THE UNIT PRICE FOR TEMPORARY RAMP.

THE COST OF EXCAVATION FOR BASE COURSE WIDENING 10" SHALL BE INCLUDED IN THE COST OF BASE COURSE WIDENING 10".

THE PAY ITEMS FOR PAVED SHOULDER REMOVAL AND HOT-MIX ASPHALT SHOULDERS, 6" ARE FOR SHOULDER REPAIR. THE ACTUAL LOCATIONS FOR THIS SHOULDER REPAIR SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING - LINE 4" CONSISTS OF 5,624 FEET OF YELLOW AND 42,559 FEET OF WHITE.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING - LINE 24" CONSISTS OF 23 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LINE 4" CONSISTS OF 4,466 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LINE 6" CONSISTS OF 219 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LINE 12" CONSISTS OF 335 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS CONSISTS OF 62 SQUARE FEET OF WHITE.

THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 256 TWO-WAY AMBER, 62 ONE-WAY AMBER AND 6 ONE-WAY CRYSTAL.

SHORT-TERM PAVEMENT MARKING ON THE MILLED SURFACE SHALL BE PAINT. ALL OTHER SHORT-TERM PAVEMENT MARKINGS SHALL BE TAPE.

THE ACTUAL LOCATIONS OF PAVEMENT PATCHES SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE.

THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE OR RAP.

AFTER MILLING THE EXISTING PAVEMENT AND EXISTING BITUMINOUS SHOULDERS, THE EXISTING AGGREGATE SHOULDER SHALL BE GRADED TO ALLOW FOR DRAINAGE. THIS GRADING OF THE EXISTING AGGREGATE SHOULDER WILL NOT BE PAID FOR SEPARATELY. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR PAVED SHOULDER REMOVAL (SPECIAL).

THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

QUANTITIES OF BITUMINOUS CONCRETE SURFACE COURSE WERE CALCULATED USING THE FACTOR 2.016 TON/CU YD.
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE(S):	SURFACE COURSE (1 1/2")	MIXTURE USE(S):	BINDER COURSE (2 1/4")
AC/PG:	SBS PG 70-22	AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 90	DESIGN AIR VOIDS:	4.0% @ NDESIGN = 90
MIXTURE COMPOSITION:		MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-9.5	(GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	MIXTURE D	FRICTION AGGREGATE:	N/A
MIXTURE USE(S):	BITUMINOUS SHOULDER (1 1/2")	MIXTURE USE(S):	CLASS D PATCHING (14")
AC/PG:	PG 58-22	AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 30	DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:		MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-9.5L	(GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	N/A	FRICTION AGGREGATE:	N/A
MIXTURE USE(S):	INCIDENTAL SURFACE	MIXTURE USE(S):	BITUMINOUS SHOULDER (6")
AC/PG:	PG 64-22	AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 50	DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION:		MIXTURE COMPOSITION:	
(GRADATION MIXTURE)	IL-9.5	(GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	MIXTURE C	FRICTION AGGREGATE:	N/A

INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS, LIST OF STANDARDS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULES
6	PAVING DETAILS
7	ENTRANCE SCHEDULE
8	CLAREMONT ROAD/US 50 INTERSECTION
9-16	PLAN SHEETS
17-18	PAVEMENT MARKING DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701336-05	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 1000 80% FED 20% STATE	
35650500	BASE COURSE WIDENING 10"	SQ YD	154	154	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	14	14	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	12910	12910	
40600300	AGGREGATE (PRIME COAT)	TON	258	258	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600990	TEMPORARY RAMP	SQ YD	47	47	
40600995	TEMPORARY RAMP, SPECIAL	SQ YD	161	161	
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	6870	6870	
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	5051	5051	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10	10	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	6426	6426	
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	54520	54520	
44004250	PAVED SHOULDER REMOVAL	SQ YD	4362	4362	
44004260	PAVED SHOULDER REMOVAL (SPECIAL)	SQ YD	13630	13630	
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	188	188	
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	980	980	
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	210	210	
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	350	350	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	777	777	
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	4362	4362	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1213	1213	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	4	
67100100	MOBILIZATION	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6845	6845	
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	62	62	
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	52649	52649	
70300635	TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	219	219	

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	100% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 1000 80% FED 20% STATE	
	70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	335	335	
	70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	23	23	
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	800	800	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62	62	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4466	4466	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	219	219	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	335	335	
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	48183	48183	
*	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	23	23	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	323	323	

*Specialty Items

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			327	(4-2)RS-4	Richland		3
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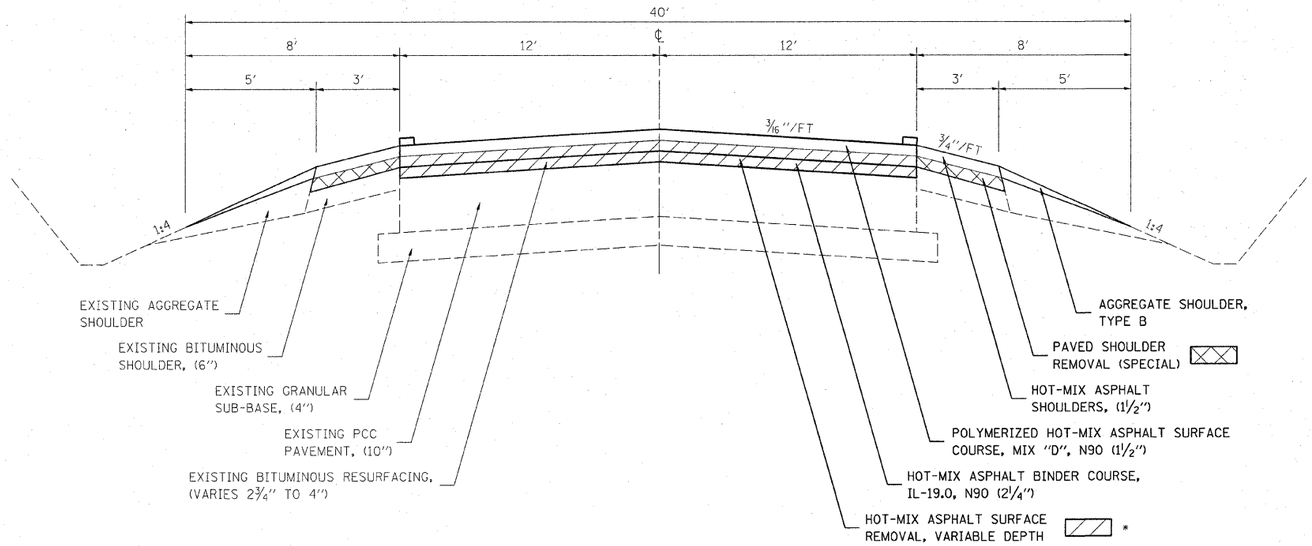
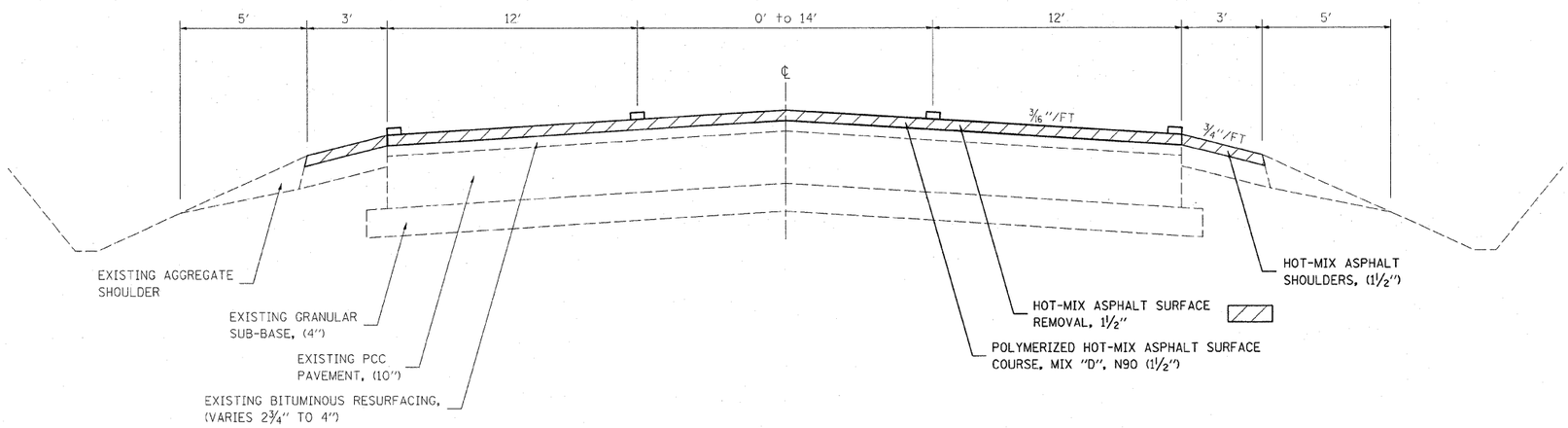


* FIRST STAGE:
MILL EXISTING PAVEMENT AND SHOULDER TO WITHIN 2 1/4" OF THE ORIGINAL PCC PAVEMENT.

SECOND STAGE:
MILL ONLY EXISTING PAVEMENT TO ORIGINAL PCC PAVEMENT UNTIL 1/4" IS SCARIFIED.

TYPICAL SECTION
STA 338+60 TO STA 543+05



TYPICAL SECTION
STA 543+05 TO STA 556+70

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PAVEMENT MARKING SCHEDULE

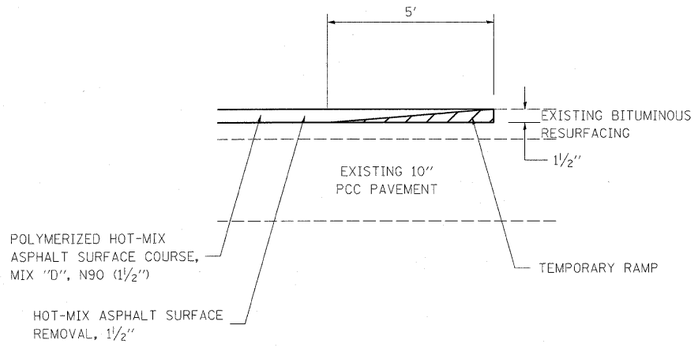
STATION TO STATION	LENGTH	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	PAINT PAVEMENT MARKING -LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	TEMPORARY PAVEMENT MARKING - LINE 12"	PAINT PAVEMENT MARKING - LINE 24"	TEMPORARY PAVEMENT MARKING - LINE 24"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKER
	FEET	FT	SQ FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	SQ FT	SQ FT	EACH
338+60.00 TO 543+05.00	20445	6134	682	0	45755	45755	0	0	0	0	23	23	0	0	255
543+05.00 TO 547+81.00	476	95	16	1904	952	2856	0	0	159	159	0	0	0	0	24
547+81.00 TO 548+95.00	114	231	38	228	221	449	104	104	0	0	0	0	31	31	9
548+95.00 TO 550+24.00	129	26	4	0	34	34	0	0	0	0	0	0	0	0	0
550+24.00 TO 551+49.00	125	255	43	250	179	429	115	115	0	0	0	0	31	31	9
551+49.00 TO 556+70.00	521	104	17	2084	1042	3126	0	0	176	176	0	0	0	0	26
TOTALS	21810	6845	800	4466	48183	52649	219	219	335	335	23	23	62	62	323

PAVEMENT SCHEDULE

STATION TO STATION	LENGTH	BASE COURSE WIDENING 10"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	TEMPORARY RAMP	TEMPORARY RAMP, SPECIAL	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	PAVED SHOULDER REMOVAL (SPECIAL)	AGGREGATE SHOULDERS, TYPE B	HOT-MIX ASPHALT SHOULDERS
	FEET	SQ YD	GAL	TON	SQ YD	SQ YD	TON	TON	SQ YD	SQ YD	SQ YD	TON	TON
338+60.00 TO 543+05.00	20445	0	12267	245	17	161	6870	4580	0	54520	13630	771	1145
543+05.00 TO 546+54.00	349	0	143	3	0	0	0	101	1435	0	0	0	20
546+54.00 TO 553+21.00	667	0	316	6	0	0	0	237	3161	0	0	0	29
553+21.00 TO 556+70.00	349	0	143	3	17	0	0	101	1435	0	0	0	20
CLAREMONT RD INTERSECTION:													
SOUTHWEST QUADRANT	0	84	20	0.4	7	0	0	17	198	0	0	3	0
SOUTHEAST QUADRANT	0	70	20	0.4	7	0	0	17	198	0	0	4	0
TOTALS	21810	154	12910	258	47	161	6870	5051	6426	54520	13630	777	1213

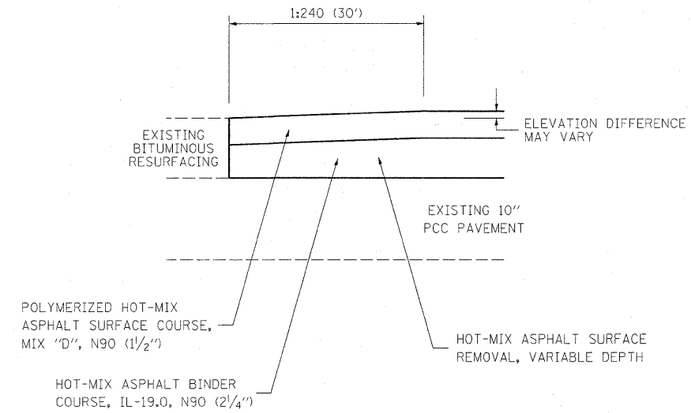
PERMANENT SURVEY MARKERS, TYPE I

LOCATION	DESCRIPTION	EACH
P.O.T. STA 354+44.48	MAG NAIL WITH WASHER	1
P.O.T. STA 386+51.15	MAG NAIL WITH WASHER	1
	TOTAL =	2



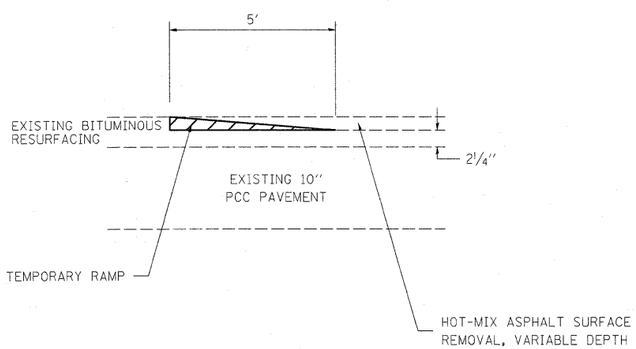
TEMPORARY RAMP DETAIL

STA 556+65 TO STA 556+70



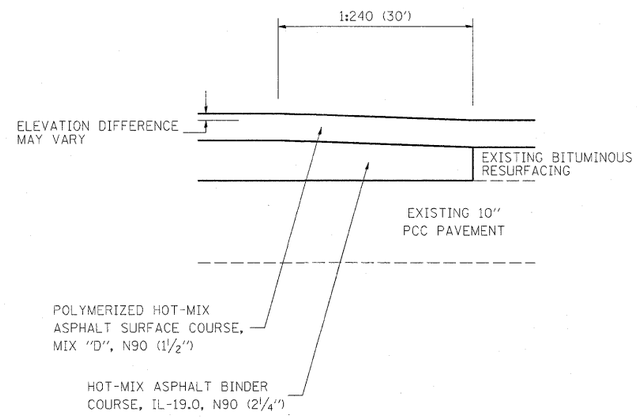
PAVING TRANSITION

STA 338+60 TO STA 338+90



TEMPORARY RAMP DETAIL

STA 338+60 TO STA 338+65



PAVING TRANSITION

STA 542+75 TO STA 543+05

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		DRAWN -	REVISED -			327	(4-2)RS-4	Richland	18	6
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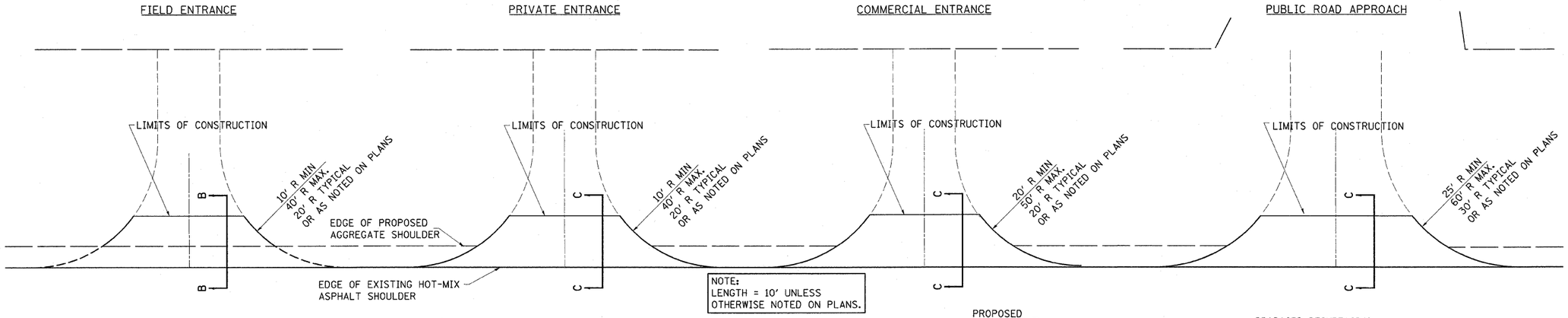
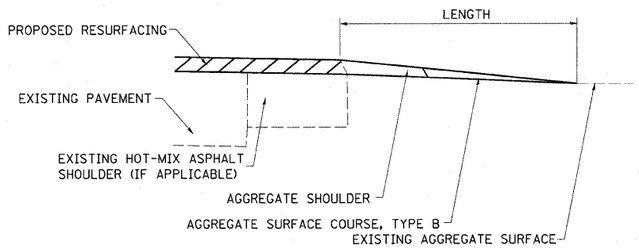
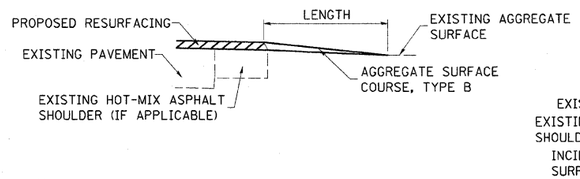
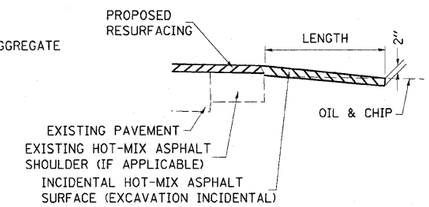


NOTE:
LENGTH = 10' UNLESS
OTHERWISE NOTED ON PLANS.

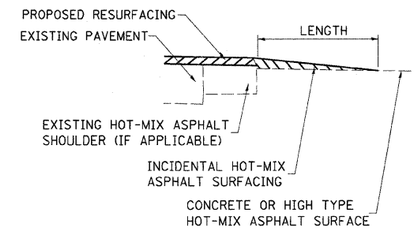


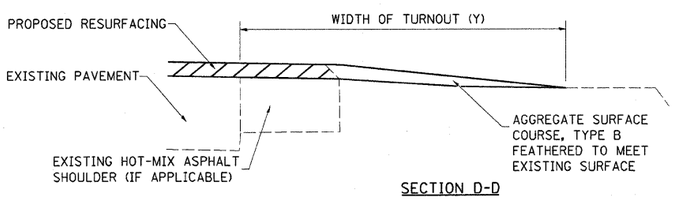
SECTION B-B





SECTION C-C





SECTION D-D

TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

THE COST OF THE ASPHALT MATERIALS, AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROADS AND APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE COST OF EXCAVATION IS INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING TON	AGGREGATE SURFACE COURSE, TYPE B TON
RT	348+08	PRA		1.5
LT	348+08	PE		1.0
RT	358+00	PRA		1.5
LT	370+70	PRA	7.2	
LT	401+97	PRA		1.5
RT	401+97	PRA		1.5
LT	428+73	FE		0.6
RT	442+34	PRA		1.5
LT	442+34	PRA	1.4	
LT	469+15	PRA		1.5
LT	482+68	FE		0.6
RT	496+16	PRA		1.5
LT	496+16	PRA	1.4	
LT	509+34	FE		0.6
LT	536+40	PE		1.0
	TOTALS:		10	14

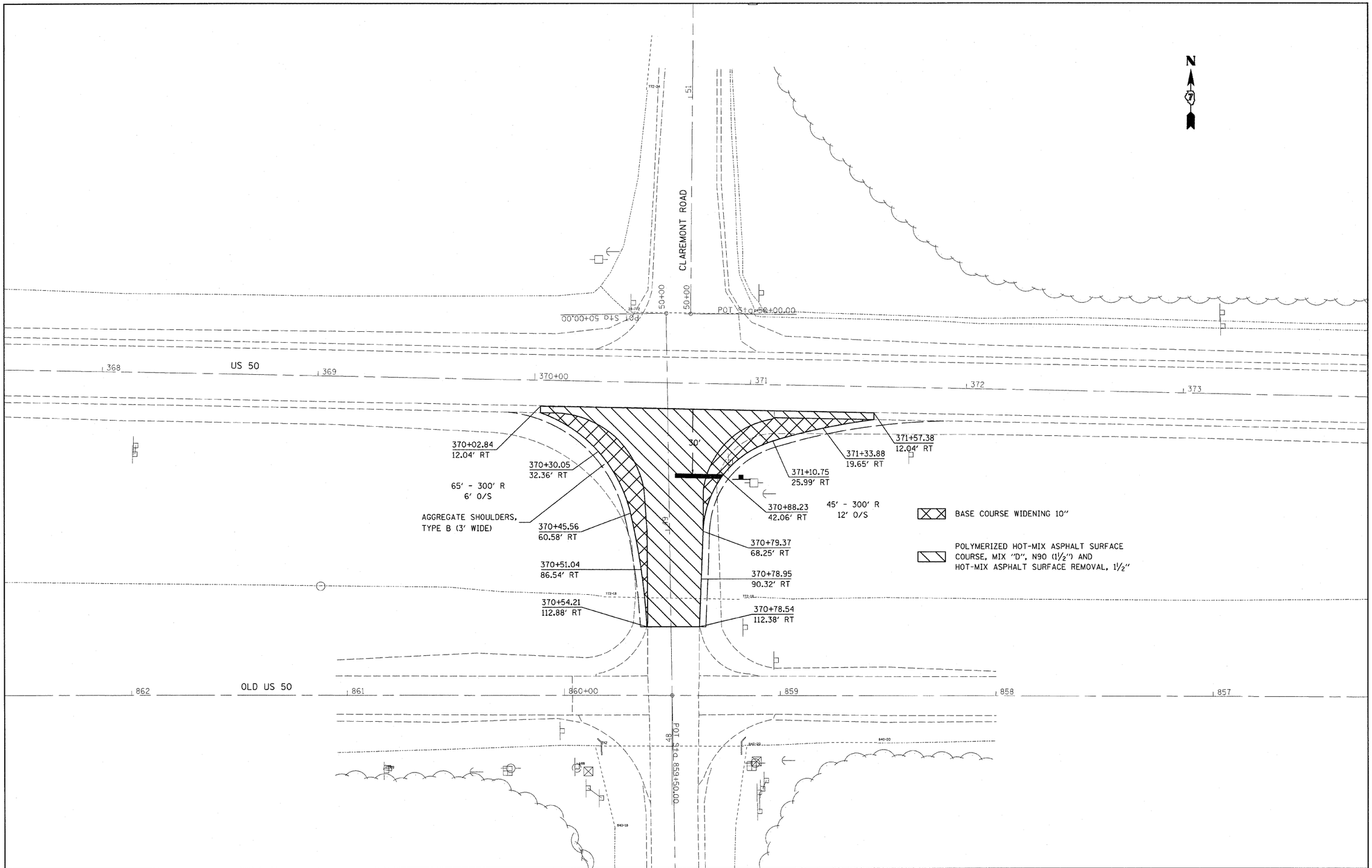
SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING TON	AGGREGATE SURFACE COURSE, TYPE B TON

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING TON	AGGREGATE SURFACE COURSE, TYPE B TON

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING TON	AGGREGATE SURFACE COURSE, TYPE B TON

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING TON	AGGREGATE SURFACE COURSE, TYPE B TON

FE=FIELD ENTRANCE
PE=PRIVATE ENTRANCE
CE=COMMERCIAL ENTRANCE
PRA - PUBLIC ROAD APPROACH
MBT - MAILBOX TURNOUT



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		DRAWN -	REVISED -			327	(4-2)RS-4	Richland	18 / 8
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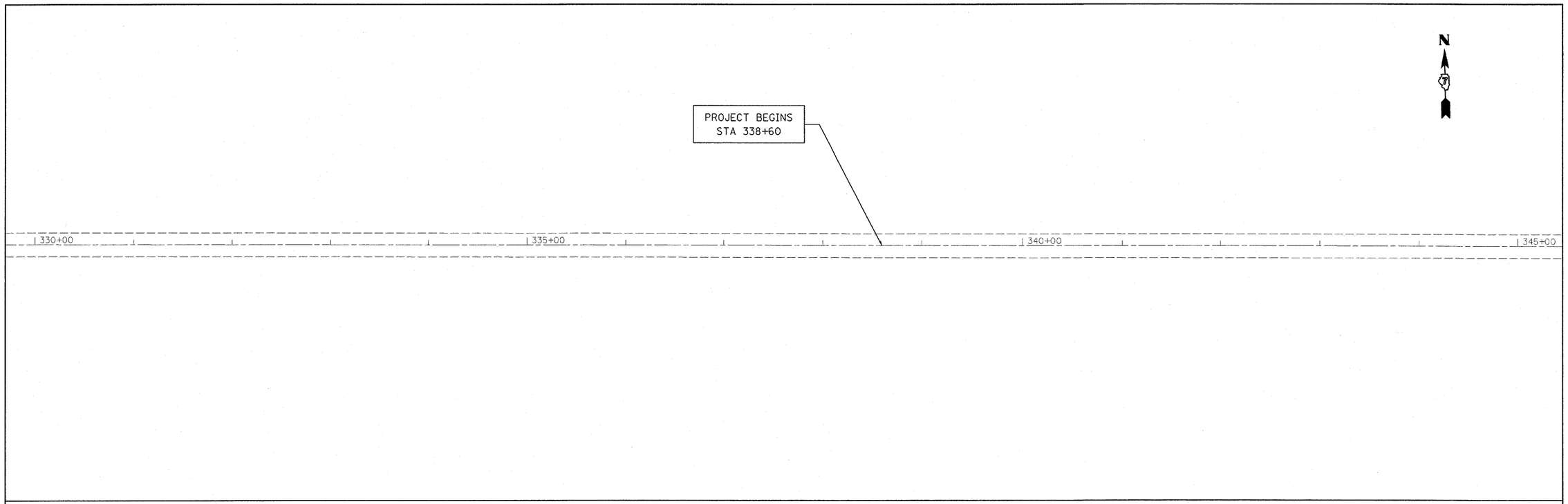

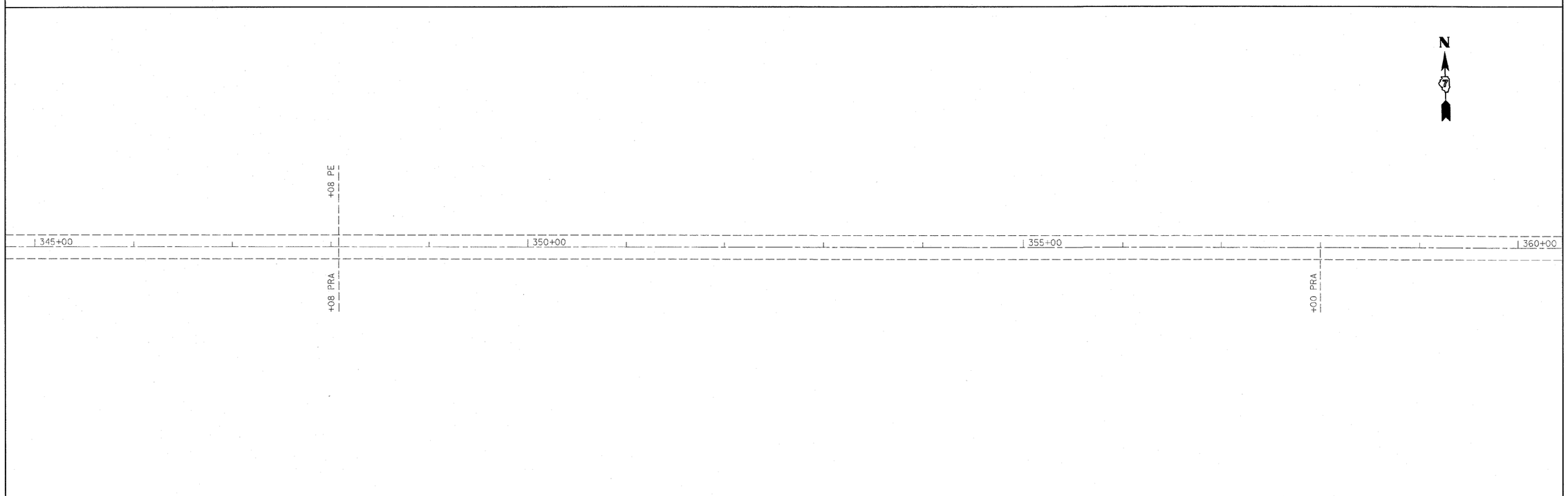

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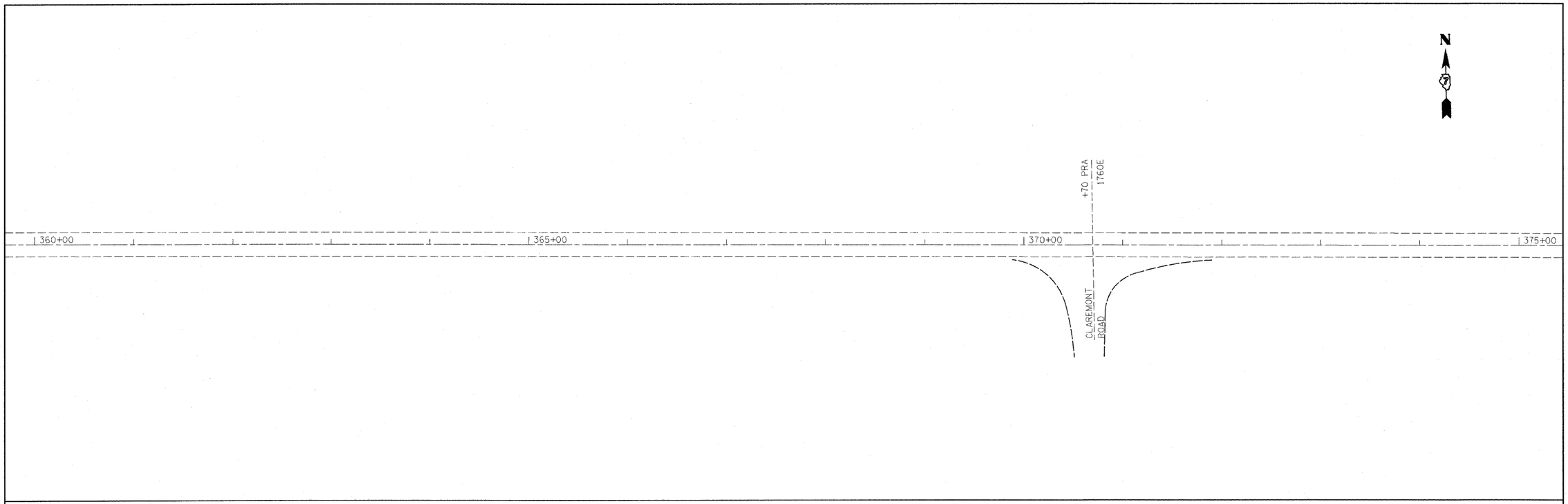

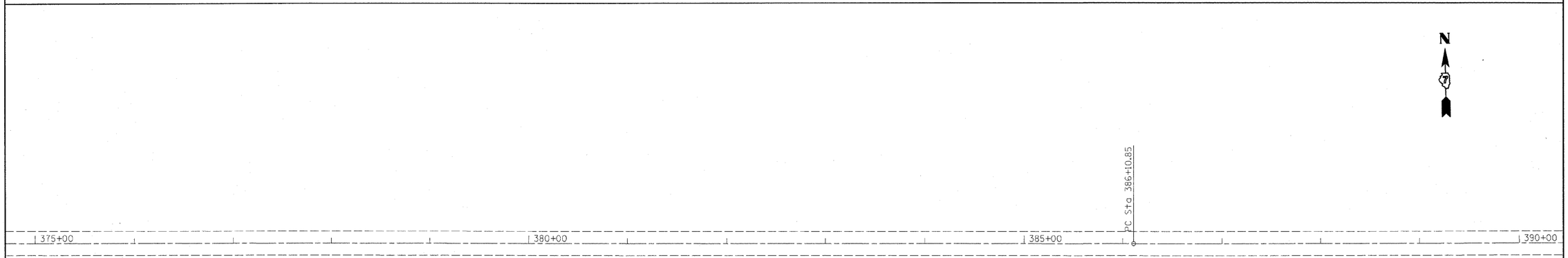

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c:\pw_work\PWIDOT\STEFFENMK\d0121428\D774064-sht-plan.dgn		DRAWN -	REVISED -			327	(4-2)RS-4	Richland	18	15
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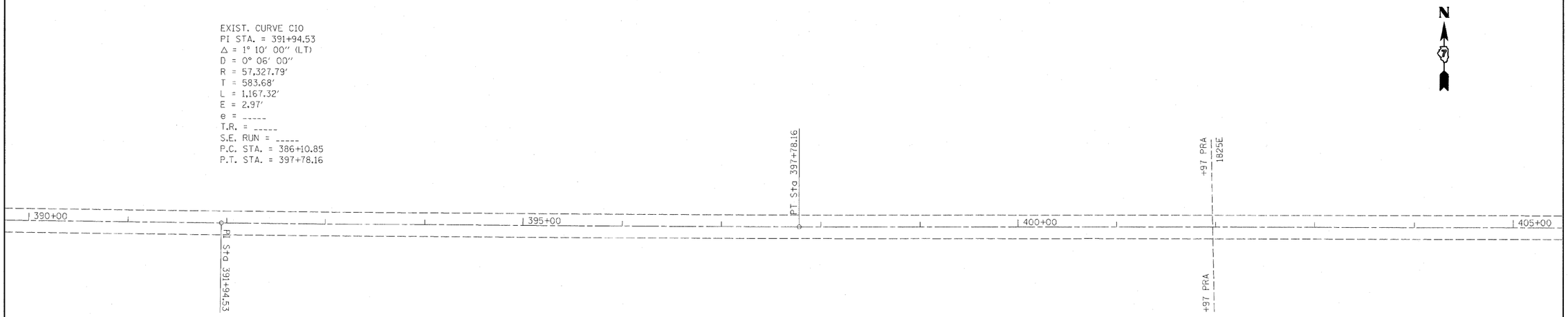
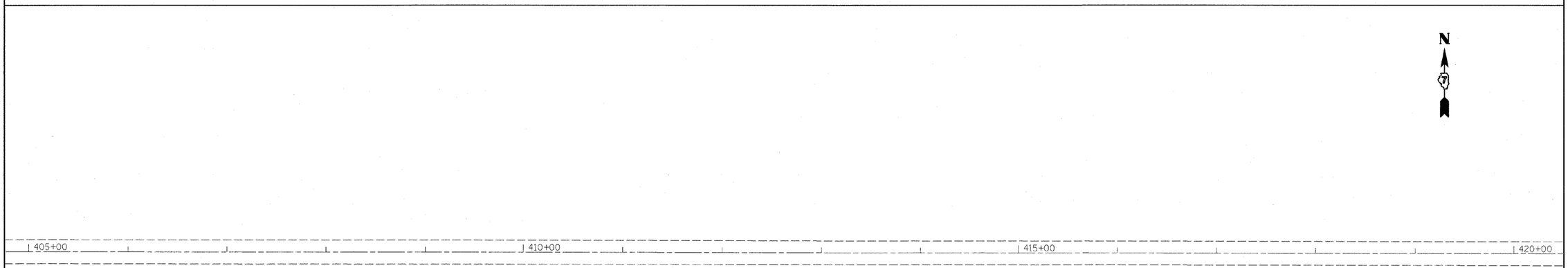
	PLOT DATE = 4/10/2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

EXIST. CURVE C10
PI STA. = 391+94.53
Δ = 1° 10′ 00″ (LT)
D = 0° 06′ 00″
R = 57,327.79′
T = 583.68′
L = 1,167.32′
E = 2.97′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 386+10.85
P.T. STA. = 397+78.16





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		DRAWN -	REVISED -			327	(4-2)RS-4	Richland	18	11
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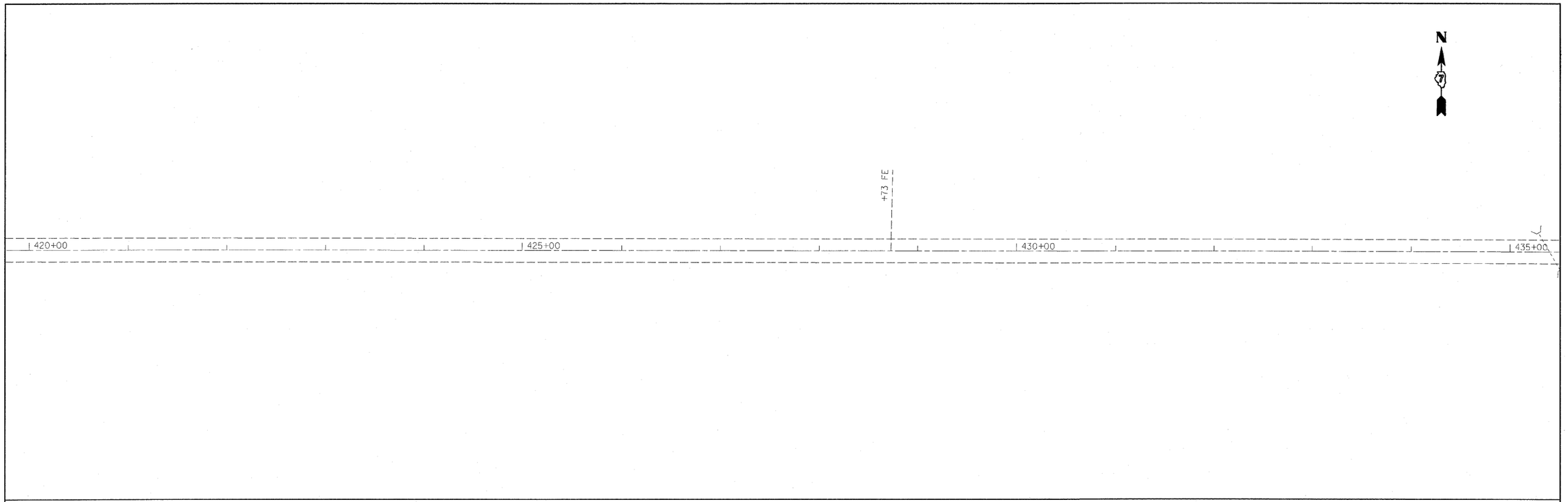

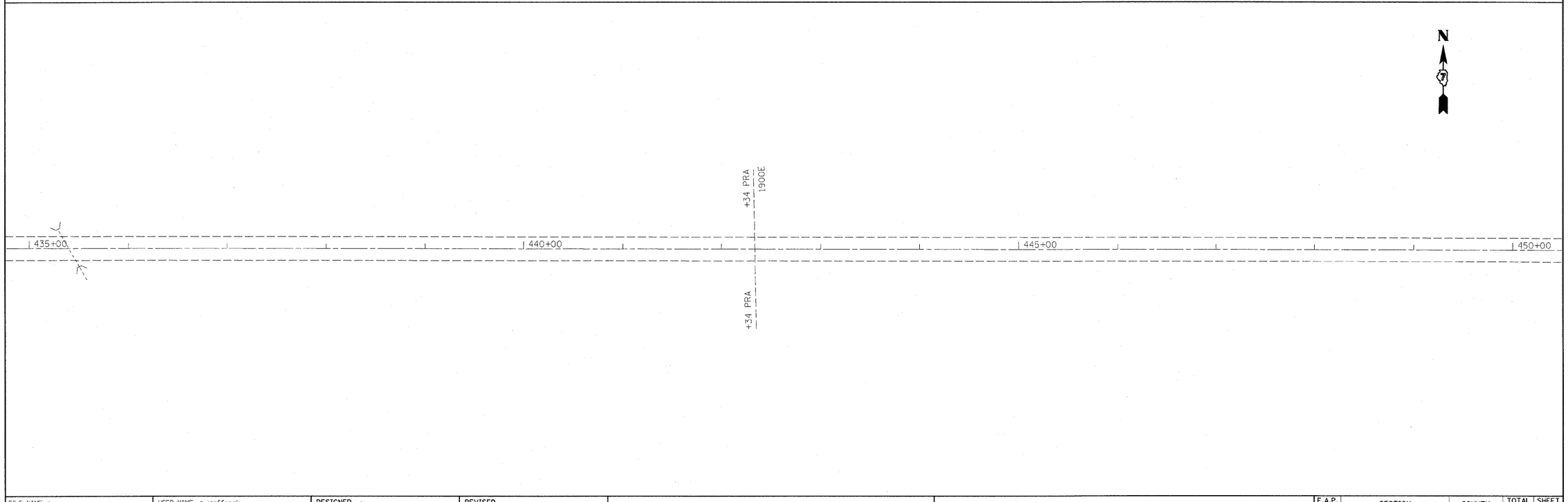

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N

450+00 455+00 460+00 465+00

N

+15 PRA 1950E

465+00 470+00 475+00 480+00

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
d:\pw_work\PWIDOT\STEFFENMK\d0121428\D774064-sht-plan.dgn		DRAWN -	REVISED -			327	(4-2)RS-4	Richland	18 / 13
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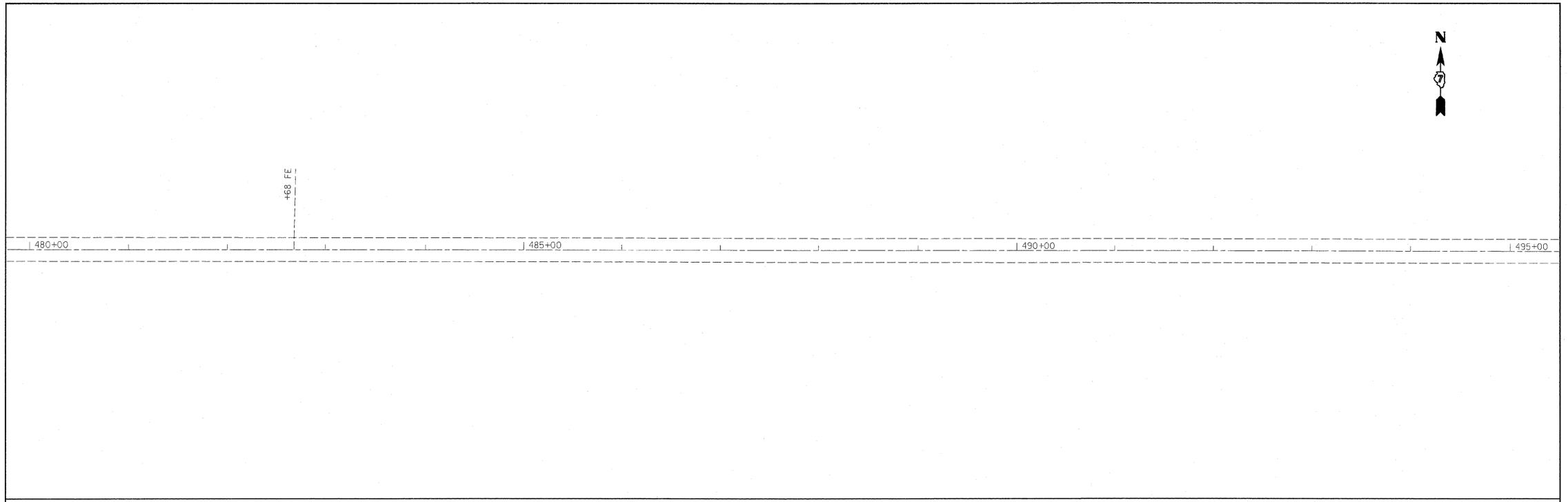

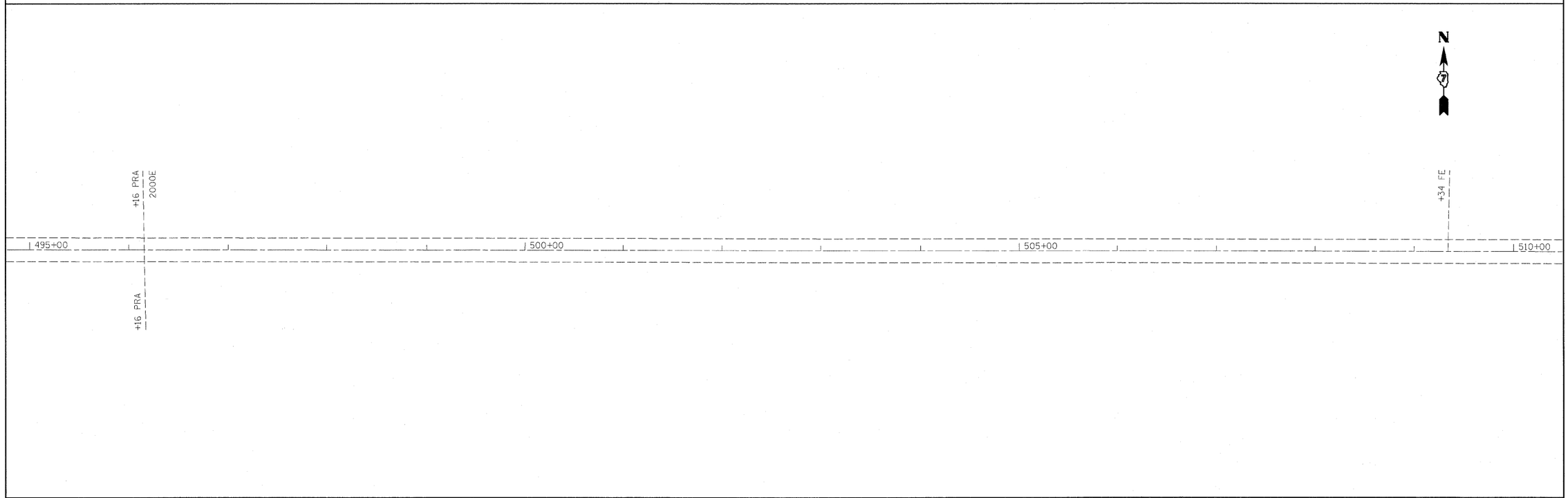

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c:\pw_work\PWIDOT\STEFFENMK\d0121428\D774064-sht-plan.dgn		DRAWN -	REVISED -			327	(4-2)RS-4	Richland	18	14
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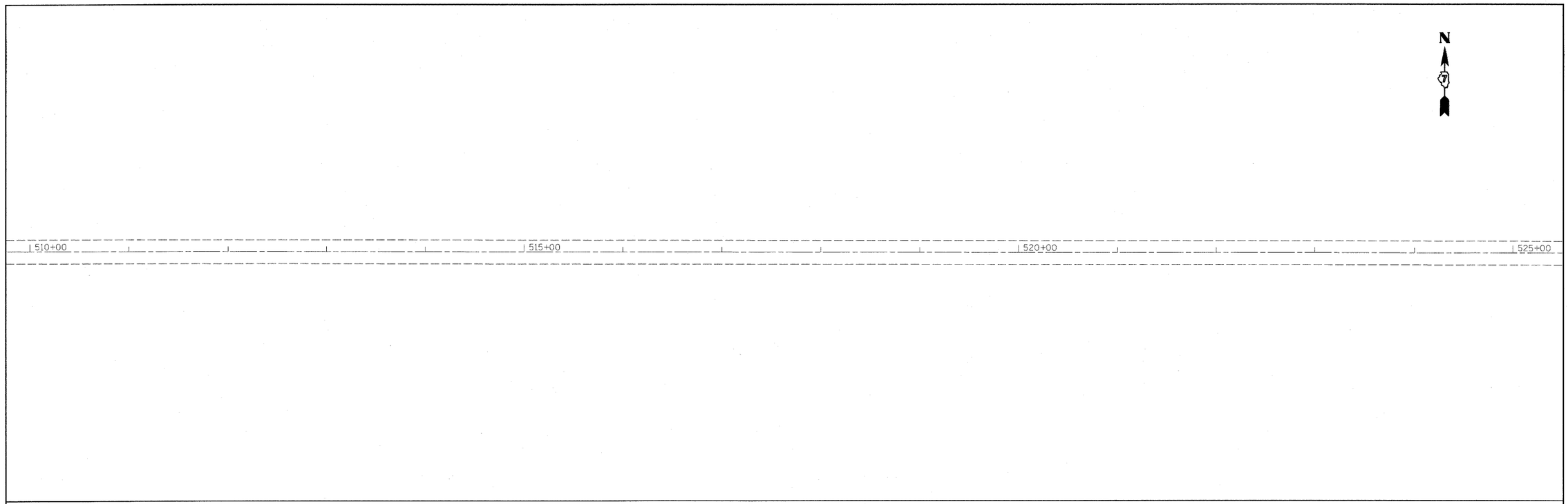

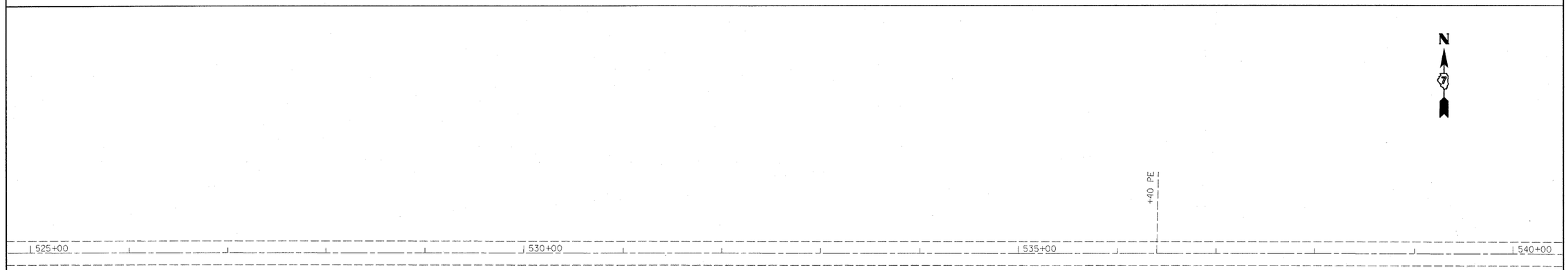

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		DRAWN -	REVISED -			327	(4-2)RS-4	Richland	18 / 15
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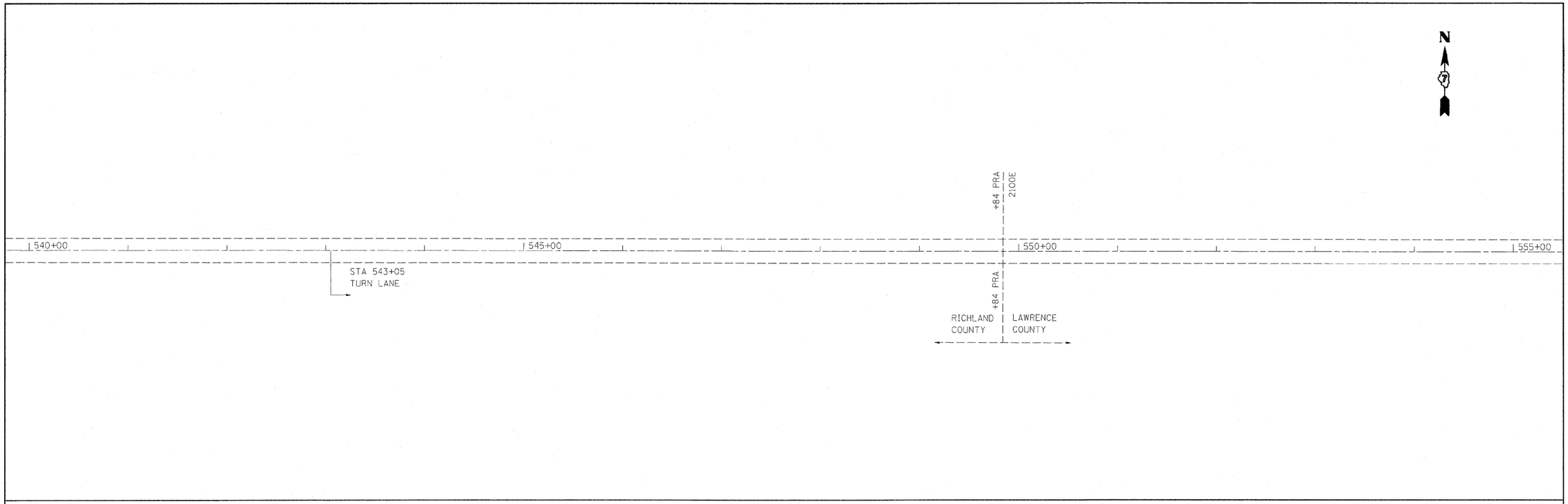

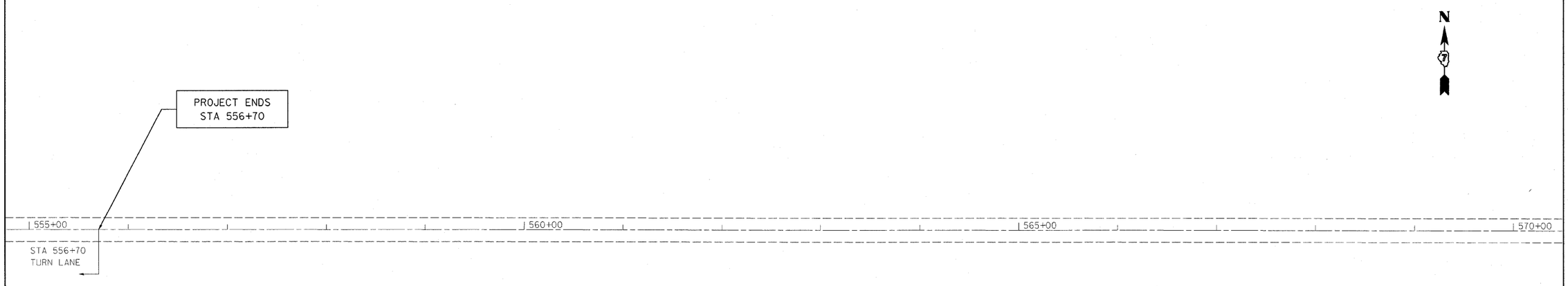

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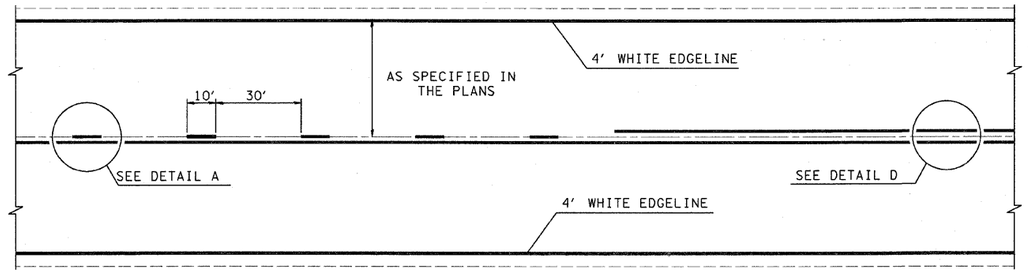
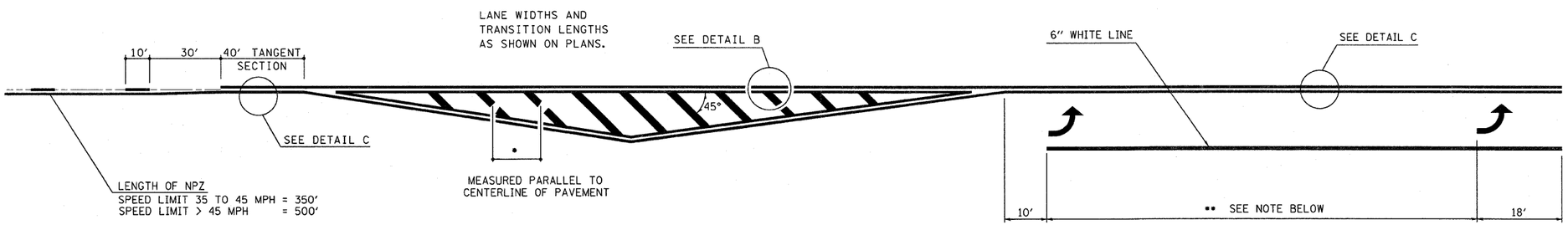


TYPICAL CENTERLINE, NO PASSING ZONE LINE (NPZ) & EDGELINE MARKINGS
2-LANE PAVEMENT



•DIAGONAL SPACING

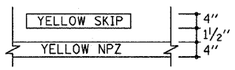
SPEED LIMIT	< 30 MPH	= 15'
SPEED LIMIT	30 TO 45 MPH	= 20'
SPEED LIMIT	> 45 MPH	= 30'

•• PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY. PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR. IF REQUIRED, ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.

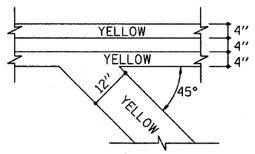
NOTES:

1. OMIT EDGELINE THRU SIDE ROADS.
2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
3. WHEN MEDIANS ARE PRESENT, PLACE A SINGLE YELLOW STRIPE AROUND ITS PERIMETER.

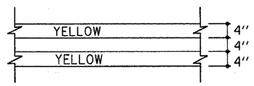
DETAIL A



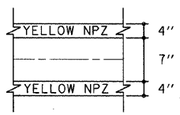
DETAIL B



DETAIL C



DETAIL D



NOT TO SCALE

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		DRAWN -	REVISED - DRM 08-04			327	(4-2)RS-4	Richland	18	17
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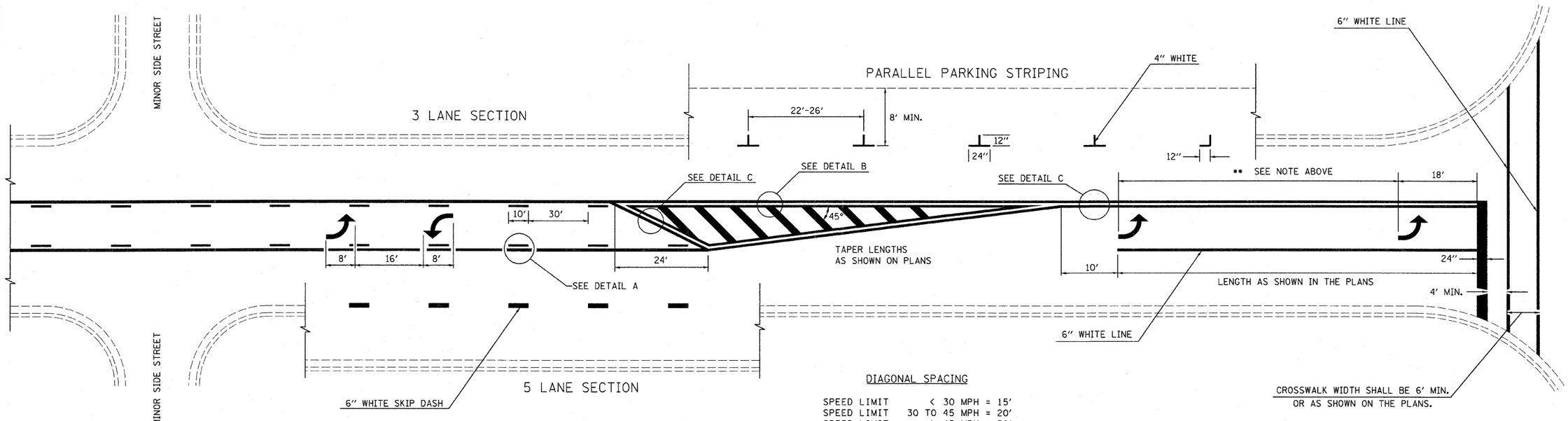
	PLOT DATE = 4/10/2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

•• PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.
PLACE ANOTHER ARROW 18′ BACK FROM THE STOP BAR. IF REQUIRED,
ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80′ SPACING.



DIAGONAL SPACING

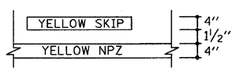
SPEED LIMIT	< 30 MPH = 15′
SPEED LIMIT	30 TO 45 MPH = 20′
SPEED LIMIT	> 45 MPH = 30′

TYPICAL BI-DIRECTIONAL TURN LANE MARKINGS
(SHOWING TRANSITION TO EXCLUSIVE LEFT TURN LANE)

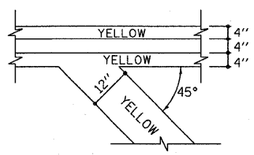
NOTE:

1. NO LESS THAN 2 ARROWS SHALL BE USED.
2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
3. AVOID PLACING BI-DIRECTIONAL ARROWS IN INTERSECTIONS.
4. BI-DIRECTIONAL ARROWS SHALL BE SPACED A MAXIMUM OF 250′.

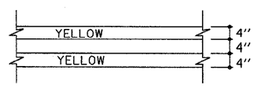
DETAIL A



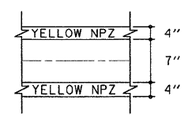
DETAIL B



DETAIL C



DETAIL D



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	PLOT DATE = 4/10/2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		