

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

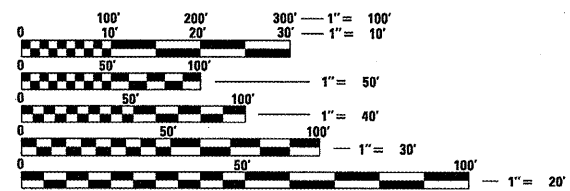
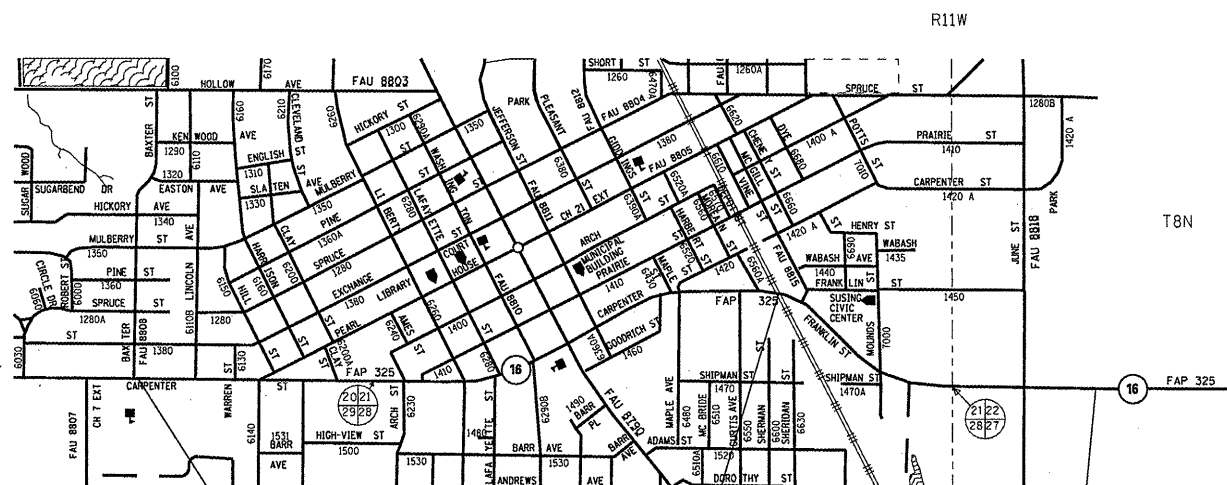
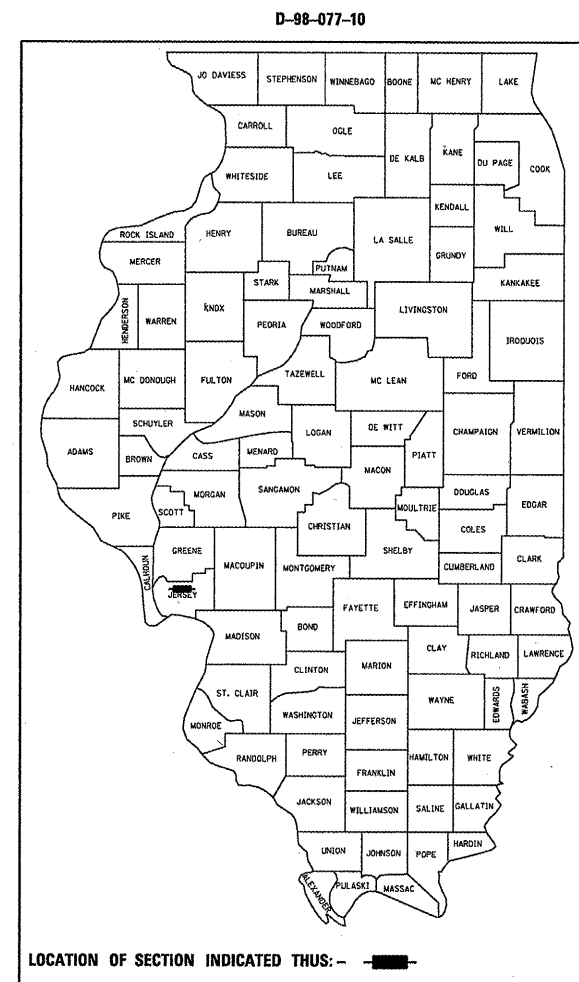
FAP ROUTE 325 (IL 16)
SECTION 57RS-2
PROJECT F-0325(056)
RESURFACING
JERSEY COUNTY

C-98-103-10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	1
		ILLINOIS	CONTRACT NO. 76E12	

INDEX OF SHEETS

- 1 COVER, INDEX OF SHEETS
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- 37 DETECTOR LOOP REPLACEMENT SHEET



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

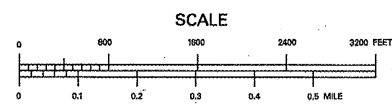
PROJECT ENGINEER: PATTI LEBEAU (618)346-3179
PROJECT MANAGER: CHERYL KEPLAR (618)346-3186

CONTRACT NO. 76E12

BEGIN PROJECT
STA. 1115+86
LAT: 39.116189
LONG: -90.340066

RAILROAD
OMISSION

END PROJECT
STA. 1208+38
LAT: 39.115980
LONG: -90.309215



GROSS LENGTH = 9252 FT. = 1.752 MILE
NET LENGTH = 9242 FT. = 1.752 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 7 20 10
May C. James
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

February 4 20 11
Scott E. Stitt P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

February 4 20 11
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

- THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO 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:

- *AMEREN CIPS - GAS & ELECTRIC
- *FRONTIER COMMUNICATIONS COMPANY - COMMUNICATIONS
- *GRAFTON COMMUNICATIONS - COMMUNICATIONS
- *GREENE COUNTY PARTNERS, INC. - CABLE TV
- *CITY OF JERSEYVILLE - WATER & SANITARY SEWER

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

- THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
- 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.
- THE CONTRACTOR AND ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH 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 X 48.
- THE PAVEMENT MARKING SHOWN IN THE PLANS IS APPROXIMATE. THE LOCATION OF THE PROPOSED CROSSWALKS AND STOP BARS SHOULD MATCH EXISTING FIELD CONDITIONS.
- SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL BITUMINOUS SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS. ONLY REMOVAL FROM THE FINAL SURFACE WILL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.
- ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- RAILROAD FLAGGERS WILL BE REQUIRED FOR THIS PROJECT. PAYMENT WILL BE COVERED PER ARTICLE 107.12 OF THE STANDARD SPECIFICATIONS.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
- THE USE OF VIBRATORY ROLLERS IS PROHIBITED, UNLESS IT CAN BE DETERMINED THAT THE EXISTING UTILITIES WILL NOT BE AFFECTED. THE CONTRACTOR SHALL VERIFY, WITH THE OWNER OF SAID UTILITIES, THE DEPTH OF THE UTILITIES AND WHETHER OR NOT THEY WILL BE ADVERSELY AFFECTED. IF IT IS DETERMINED THAT THE UTILITIES WILL BE UNAFFECTED, VIBRATORY ROLLERS WILL BE USED ON THIS PROJECT.
- THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	LEVEL BINDER	PATCHING	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	See Contract RAP
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	Special Provision
MIX COMPOSITION				2.0% @ Ndes=30
(GRADATION MIXTURE)	IL 12.5/9.5	IL 9.5	IL 19.0	
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	BAM

** 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).

- MAINTAIN EXISTING PAVEMENT CROSS SLOPES AND PAVEMENT PROFILES UNLESS SHOWN OTHERWISE ON THE TYPICAL SECTIONS. EXISTING CROSS SLOPES ARE GENERALLY BETWEEN 1/8 INCH/FOOT AND 1/4 INCH/FOOT.
- STRIP REFLECTIVE CRACK CONTROL SHALL BE INSTALLED OVER THE LONGITUDINAL CRACKS EVIDENT IN THE FIELD WHICH MAY OR MAY NOT FOLLOW A CONSISTENT DISTANCE FROM THE CENTERLINE. THE CRACK LOCATIONS SHOULD BE MEASURED AND REFERENCED PRIOR TO MILLING.

COMMITMENTS

COMMITMENTS FOR THIS PROJECT ARE AS FOLLOWS:
NONE

HIGHWAY STANDARDS

- 442201-03
- 701011-02
- 701301-04
- 701311-03
- 701501-06
- 701502-04
- 701701-07
- 701901-01
- 780001-02
- 781001-03
- 886001-01
- 886006-01

ADT

MAPLE SUMMIT RD. TO LINCOLN AVE.
2009 ADT = 7700 (ACTUAL)
2011 ADT = 7900 (ESTIMATED)
2031 ADT = 9600 (ESTIMATED)
SU = 2.9%
MU = 1.3%

STATE ST. TO GOODRICH ST.
2009 ADT = 7400 (ACTUAL)
2011 ADT = 7500 (ESTIMATED)
2031 ADT = 9200 (ESTIMATED)
SU = 3.4%
MU = 0.9%

LINCOLN AVE. TO S. ARCH ST.
2009 ADT = 7600 (ACTUAL)
2011 ADT = 7800 (ESTIMATED)
2031 ADT = 9500 (ESTIMATED)
SU = 2.6%
MU = 1.6%

GOODRICH ST. TO CURTIS ST.
2009 ADT = 6300 (ACTUAL)
2011 ADT = 6400 (ESTIMATED)
2031 ADT = 7800 (ESTIMATED)
SU = 3.6%
MU = 1.6%

S. ARCH ST. TO S. LAFAYETTE ST.
2009 ADT = 6900 (ACTUAL)
2011 ADT = 7000 (ESTIMATED)
2031 ADT = 8500 (ESTIMATED)
SU = 3.3%
MU = 0.9%

CURTIS ST. TO MOUNDS ST.
2009 ADT = 4400 (ACTUAL)
2011 ADT = 4500 (ESTIMATED)
2031 ADT = 5500 (ESTIMATED)
SU = 3.4%
MU = 2.3%

S. LAFAYETTE ST. TO STATE ST.
2009 ADT = 7500 (ACTUAL)
2011 ADT = 7700 (ESTIMATED)
2031 ADT = 9400 (ESTIAMTED)
SU = 3.0%
MU = 0.9%

MOUNDS ST. TO EAST OF JUNE ST.
2009 ADT = 3050 (ACTUAL)
2011 ADT = 3100 (ESTIMATED)
2031 ADT = 3800 (ESTIAMTED)
SU = 3.3%
MU = 3.3%

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	PLOT DATE # #DATE#	DATE - ---	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, COMMITMENTS,
HIGHWAY STANDARDS, ADT**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	2
			CONTRACT NO. 76E12	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

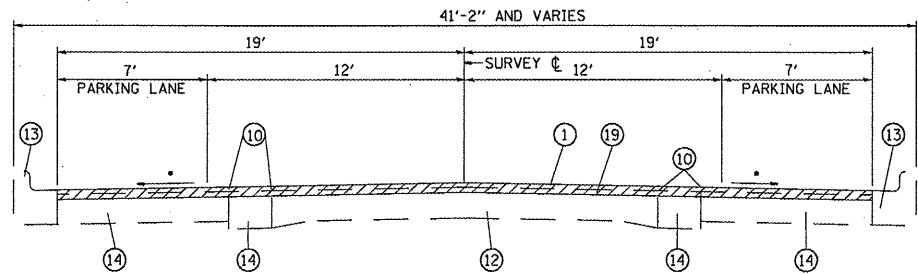
SCALE: _____ SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 50% CITY 50% STATE	CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 50% CITY 50% STATE
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	22	18.4	3.6	*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	415	415	
40600300	AGGREGATE (PRIME COAT)	TON	105	88	17	*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	139	139	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1431	1190	241	*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	172	172	
40600990	TEMPORARY RAMP	SO YD	161	161		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	172	172	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2806	2325	481	80300100	LOCATING UNDERGROUND CABLE	FOOT	20	20	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	35991	30263	5728	88600600	DETECTOR LOOP REPLACEMENT	FOOT	714	714	
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SO YD	134	134		20048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	12028	12028							
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	59	59							
48203100	HOT-MIX ASPHALT SHOULDERS	TON	244	244							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3							
67100100	MOBILIZATION	L SUM	1	1							
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1							
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1							
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2796	2796							
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	381	381							
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	24055	24055							
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	415	415							
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	139	139							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	311	311							
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	381	381							
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	24055	24055							

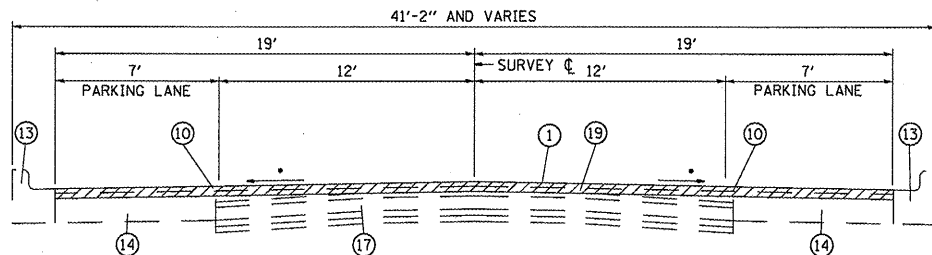
*SPECIALTY ITEM

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		CHECKED - ---	REVISED - ---			CONTRACT NO. 76E12					
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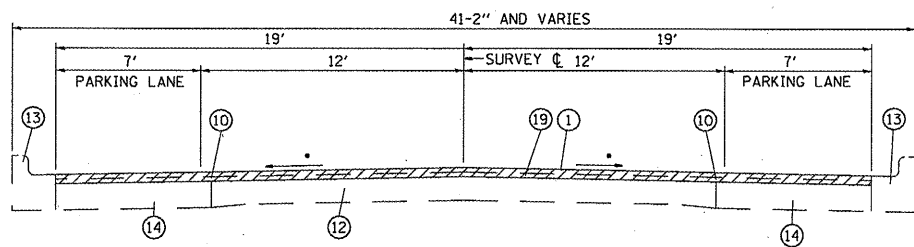


STA. 1115+86 TO STA. 1120+39
F.A.P. RTE. 325 (IL. RTE. 16)

• MATCH EXISTING CROSS SLOPE



STA. 1120+39± TO STA. 1128+45±
F.A.P. RTE. 325 (IL. RTE. 16)



STA. 1128+45± TO STA. 1153+66
F.A.P. RTE. 325 (IL. RTE. 16)

NOTE:
THIS TANGENT SECTION APPLIES THROUGH THE CURVE WHOSE P.I. IS AT STA. 1147+41.14
BECAUSE THERE IS NO SUPERELEVATION

LEGEND

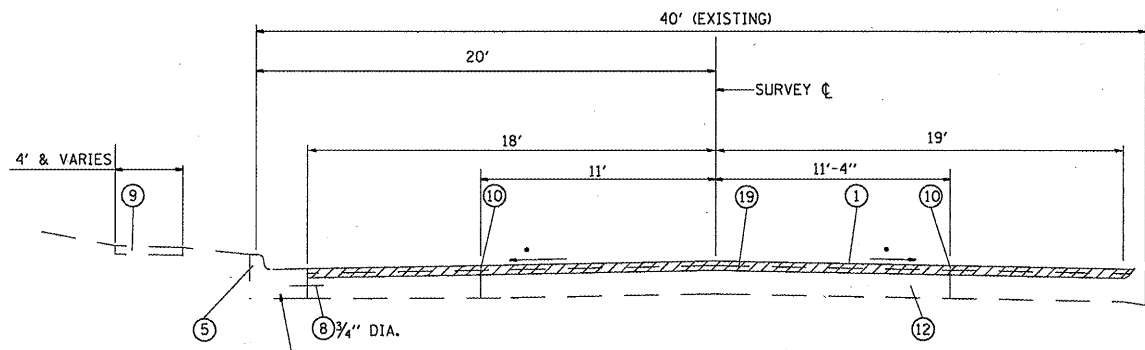
- ① EXISTING BITUMINOUS CONCRETE SURFACE COURSE MIXTURE D, CLASS I, TYPE 2, 1 1/2 INCHES (1" STA. 1054+06 TO STA. 1054+20)
- ② EXISTING AGGREGATE SHOULDERS, TYPE A 6" (1 1/2" STA. 920+00 TO 1054+06 AND STA. 1054+20 TO STA. 1109+50)
- ③ EXISTING BITUMINOUS SHOULDERS 6"
- ④ EXISTING PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"
- ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (SEE STD. 2130)
- ⑥ EXISTING AGGREGATE SHOULDER TYPE B
- ⑦ EXISTING LEVELING BINDER (MACHINE METHOD), TYPE 2 (VARIABLE THICKNESS)
- ⑧ EXISTING EXPANSION TIE BAR
- ⑨ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK 4"
- ⑩ EXISTING STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑪ EXISTING BITUMINOUS OVERLAY
- ⑫ EXISTING CONCRETE PAVEMENT
- ⑬ EXISTING COMBINATION CONCRETE CURB AND GUTTER (TIED WITH #4 TIE BARS ON 2'-6" CENTERS)
- ⑭ EXISTING BASE COURSE
- ⑮ EXISTING CONCRETE SIDEWALK
- ⑯ EXISTING AGGREGATE SHOULDER WEDGE
- ⑰ EXISTING BRICK ROAD STRUCTURE (3" CONCRETE - 2" SAND - 4" BRICK - 2" 1-1)
- ⑱ EXISTING CONCRETE CURB TYPE B
- ⑲ EXISTING LEVELING BINDER (MACHINE METHOD) TYPE 2 (3/4")
- ⑳ EXISTING BITUMINOUS SHOULDERS 6"
- ㉑ EXISTING AGGREGATE SHOULDER
- ▨ PROPOSED HMA SURFACE REMOVAL, 2 1/4"

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

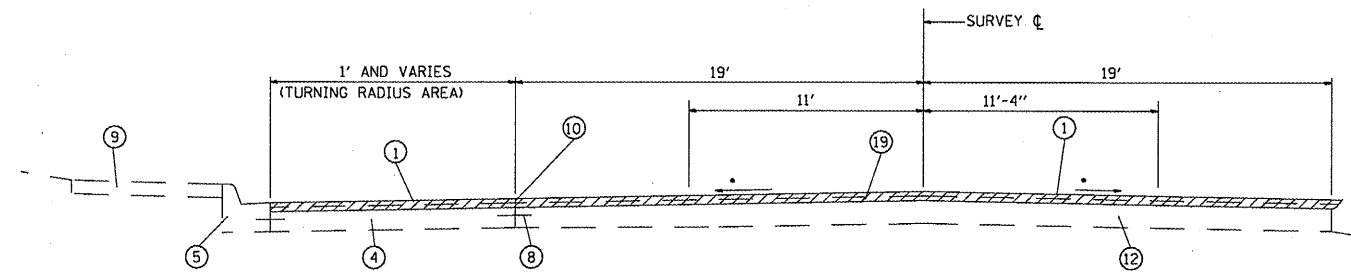
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			CONTRACT NO. 76E12				
			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



STA. 1153+66 TO STA. 1154+29.5
F.A.P. RTE. 325 (IL. RTE. 16)

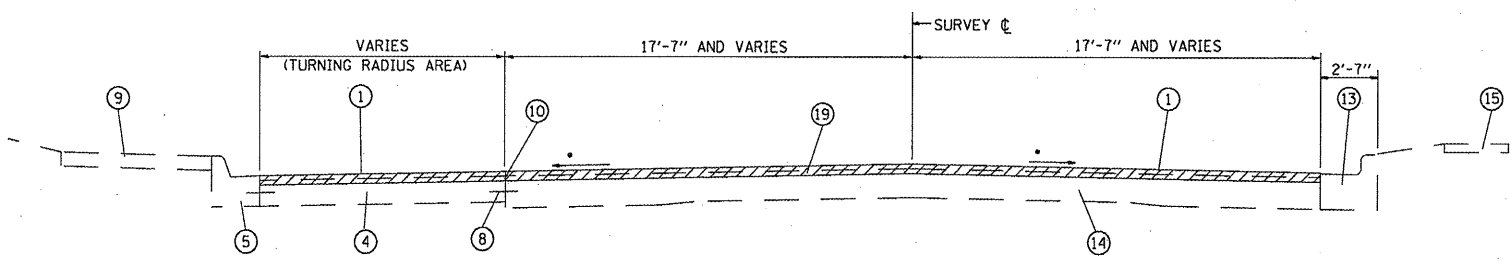
MATCH EXISTING CROSS SLOPE

GUTTER FLAG VARIES FROM 1'-5" TO 2' LT. STA. 1154+00 TO LT. STA. 1154+14.



STA. 1154+29.5 TO STA. 1154+50.3
F.A.P. RTE. 325 (IL. RTE. 16)

EXISTING PCC SIDEWALK BEGINS AT STA. 1154+17.5 LT.

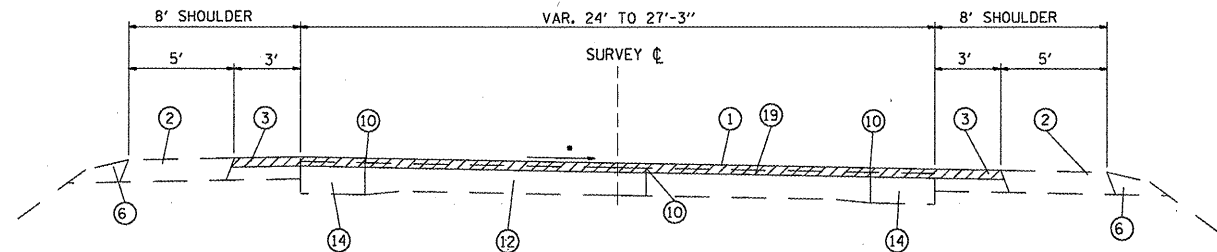


STA. 1154+50.3 TO STA. 1155+29.07
F.A.P. RTE. 325 (IL. RTE. 16)

LEGEND

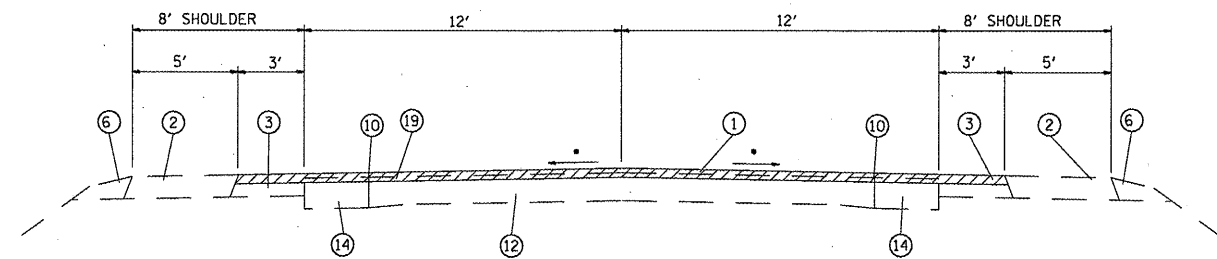
- ① EXISTING BITUMINOUS CONCRETE SURFACE COURSE MIXTURE D, CLASS 1, TYPE 2, 1 1/2 INCHES (1" STA. 1054+06 TO STA. 1054+20)
- ② EXISTING AGGREGATE SHOULDERS, TYPE A 6" (1 1/2" STA. 920+00 TO 1054+06 AND STA. 1054+20 TO STA. 1109+50)
- ③ EXISTING BITUMINOUS SHOULDERS 6"
- ④ EXISTING PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"
- ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (SEE STD. 2130)
- ⑥ EXISTING AGGREGATE SHOULDER TYPE B
- ⑦ EXISTING LEVELING BINDER (MACHINE METHOD), TYPE 2 (VARIABLE THICKNESS)
- ⑧ EXISTING EXPANSION TIE BAR
- ⑨ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK 4"
- ⑩ EXISTING STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑪ EXISTING BITUMINOUS OVERLAY
- ⑫ EXISTING CONCRETE PAVEMENT
- ⑬ EXISTING COMBINATION CONCRETE CURB AND GUTTER (TIED WITH #4 TIE BARS ON 2'-6" CENTERS)
- ⑭ EXISTING BASE COURSE
- ⑮ EXISTING CONCRETE SIDEWALK
- ⑯ EXISTING AGGREGATE SHOULDER WEDGE
- ⑰ EXISTING BRICK ROAD STRUCTURE (3" CONCRETE - 2" SAND - 4" BRICK - 2" 1-11)
- ⑱ EXISTING CONCRETE CURB TYPE B
- ⑲ EXISTING LEVELING BINDER (MACHINE METHOD) TYPE 2 (3/4")
- ⑳ EXISTING BITUMINOUS SHOULDERS 6"
- ㉑ EXISTING AGGREGATE SHOULDER
- ▨ PROPOSED HMA SURFACE REMOVAL, 2 1/4"

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		325	57RS-2	JERSEY	37	5				
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PLOT DATE = #DATE#		DATE -	REVISED -		SCALE: _____	SHEET NO. 2 OF 10 SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

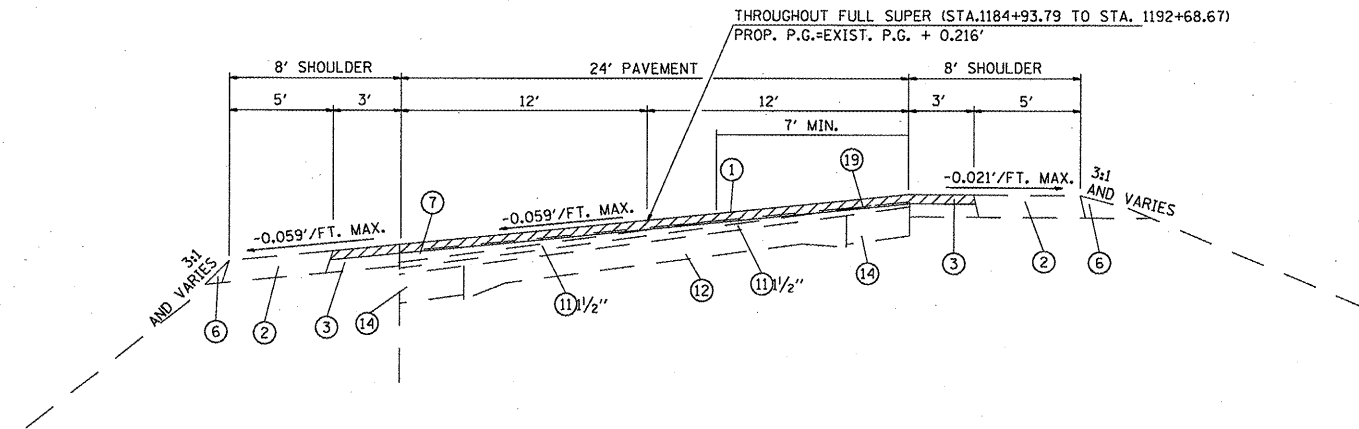


STA. 1176+07 TO STA. 1181+61.83
F.A.P. RTE. 325 (IL. RTE. 16)

• MATCH EXISTING CROSS SLOPE



STA. 1181+61.83 TO STA. 1182+93.79
F.A.P. RTE. 325 (IL. RTE. 16)



STA. 1182+93.79 TO STA. 1194+68.67
F.A.P. RTE. 325 (IL. RTE. 16)

NOTE: SUPERELEVATION ATTAINMENT IS BETWEEN STA. 1182+93.79 AND STA. 1184+93.79, AND SUPERELEVATION REMOVAL IS BETWEEN STA. 1192+68.67 AND STA. 1194+68.67, FOR CURVE AT P.I. STA. 1189+12.34.

LEGEND

- ① EXISTING BITUMINOUS CONCRETE SURFACE COURSE MIXTURE D, CLASS I, TYPE 2, 1 1/2" INCHES (1" STA. 1054+06 TO STA. 1054+20)
- ② EXISTING AGGREGATE SHOULDERS, TYPE A 6" (1 1/2" STA. 920+00 TO 1054+06 AND STA. 1054+20 TO STA. 1109+50)
- ③ EXISTING BITUMINOUS SHOULDERS 6"
- ④ EXISTING PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"
- ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (SEE STD. 2130)
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- ⑪ EXISTING BITUMINOUS OVERLAY
- ⑫ EXISTING CONCRETE PAVEMENT
- ⑬ EXISTING COMBINATION CONCRETE CURB AND GUTTER (TIED WITH #4 TIE BARS ON 2'-6" CENTERS)
- ⑭ EXISTING BASE COURSE
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- ⑱ EXISTING CONCRETE CURB TYPE B
- ⑲ EXISTING LEVELING BINDER (MACHINE METHOD) TYPE 2 (3/4")
- ⑳ EXISTING BITUMINOUS SHOULDERS 6"
- ㉑ EXISTING AGGREGATE SHOULDER
- ▨ PROPOSED HMA SURFACE REMOVAL, 2 1/4"

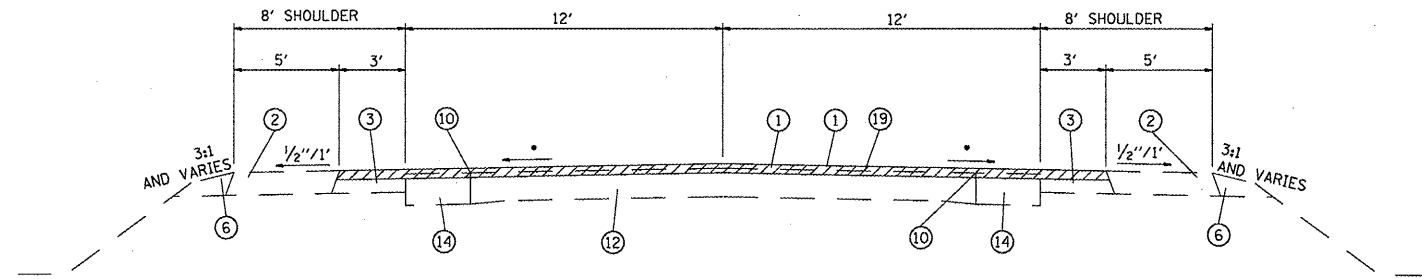
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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS	
SCALE: _____	SHEET NO. 4 OF 10 SHEETS
STA. _____ TO STA. _____	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	7
CONTRACT NO. 76E12				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



STA. 1194+68.67 TO STA. 1208+38
 F.A.P. RTE. 325 (IL. RTE. 16)

• MATCH EXISTING CROSS SLOPE

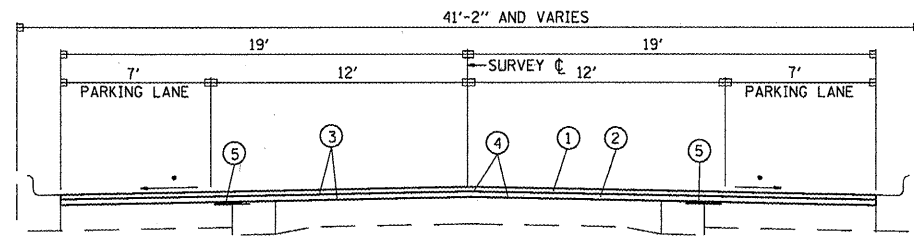
- LEGEND**
- ① EXISTING BITUMINOUS CONCRETE SURFACE COURSE MIXTURE D, CLASS I, TYPE 2, 1 1/2 INCHES (1" STA. 1054+06 TO STA. 1054+20)
 - ② EXISTING AGGREGATE SHOULDERS, TYPE A 6" (1 1/2" STA. 920+00 TO 1054+06 AND STA. 1054+20 TO STA. 1109+50)
 - ③ EXISTING BITUMINOUS SHOULDERS 6"
 - ④ EXISTING PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"
 - ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (SEE STD. 2130)
 - ⑥ EXISTING AGGREGATE SHOULDER TYPE B
 - ⑦ EXISTING LEVELING BINDER (MACHINE METHOD), TYPE 2 (VARIABLE THICKNESS)
 - ⑧ EXISTING EXPANSION TIE BAR
 - ⑨ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK 4"
 - ⑩ EXISTING STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑪ EXISTING BITUMINOUS OVERLAY
 - ⑫ EXISTING CONCRETE PAVEMENT
 - ⑬ EXISTING COMBINATION CONCRETE CURB AND GUTTER (TIED WITH #4 TIE BARS ON 2'-6" CENTERS)
 - ⑭ EXISTING BASE COURSE
 - ⑮ EXISTING CONCRETE SIDEWALK
 - ⑯ EXISTING AGGREGATE SHOULDER WEDGE
 - ⑰ EXISTING BRICK ROAD STRUCTURE (3" CONCRETE - 2" SAND - 4" BRICK - 2" 1-1)
 - ⑱ EXISTING CONCRETE CURB TYPE B
 - ⑲ EXISTING LEVELING BINDER (MACHINE METHOD) TYPE 2 (3/4 ")
 - ⑳ EXISTING BITUMINOUS SHOULDERS 6"
 - ㉑ EXISTING AGGREGATE SHOULDER
 - ▨ PROPOSED HMA SURFACE REMOVAL, 2 1/4"

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

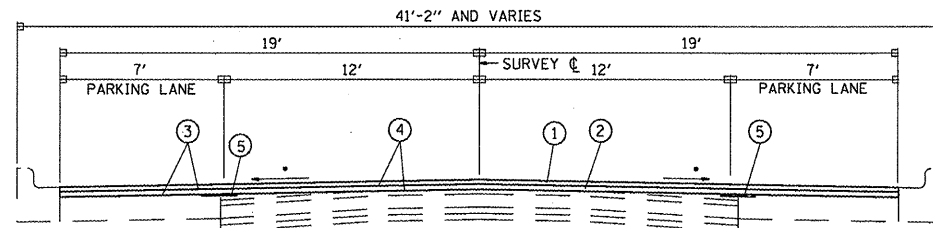
EXISTING TYPICAL SECTIONS

SCALE: -----	SHEET NO. 5 OF 10 SHEETS	STA. ----- TO STA. -----	F.A.P. RTE. 325	SECTION 5TRS-2	COUNTY JERSEY	TOTAL SHEETS 37	SHEET NO. 8
			CONTRACT NO. 76E12				
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

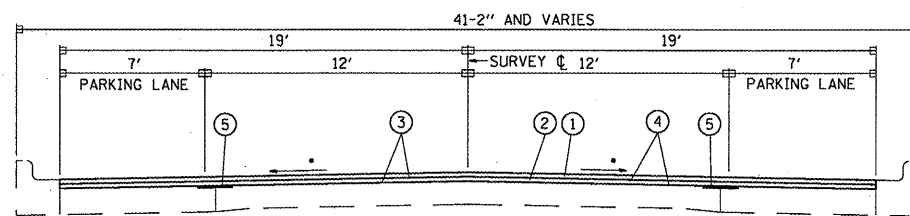


STA. 1115+86 TO STA. 1120+39
F.A.P. RTE. 325 (IL. RTE. 16)

• MATCH EXISTING CROSS SLOPE



STA. 1120+39± TO STA. 1128+45±
F.A.P. RTE. 325 (IL. RTE. 16)



STA. 1128+45± TO STA. 1153+66
F.A.P. RTE. 325 (IL. RTE. 16)

NOTE:
THIS TANGENT SECTION APPLIES THROUGH THE CURVE WHOSE P.I. IS AT STA. 1147+41.14
BECAUSE THERE IS NO SUPERELEVATION

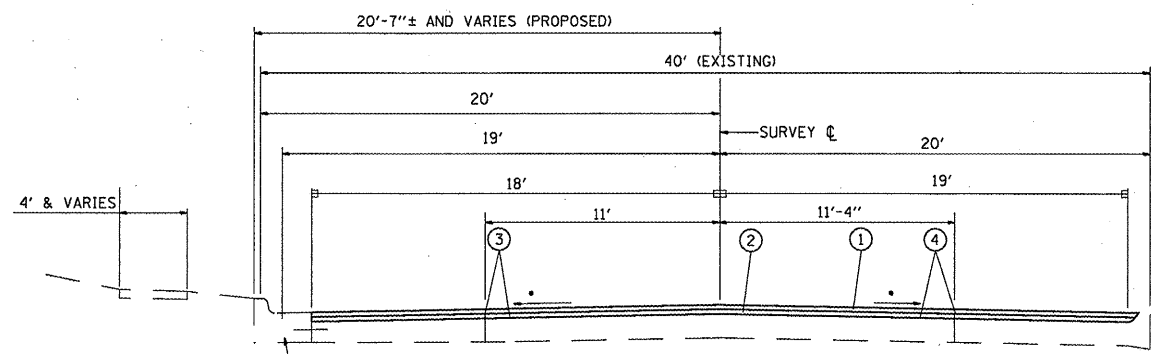
- LEGEND**
- ① PROPOSED HMA SURFACE COURSE, MIX D, N70, 1 1/2"
 - ② PROPOSED LEVELING BINDER (MM), N70, 3/4"
 - ③ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ④ PROPOSED AGGREGATE (PRIME COAT)
 - ⑤ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
 - ⑦ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
FILE#		DRAWN -	REVISED -
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	PLOT DATE = *DATE*	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: _____	SHEET NO. 6 OF 10 SHEETS	STA. _____ TO STA. _____	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			325	57RS-2	JERSEY	37	9
			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
			CONTRACT NO. 76E12				

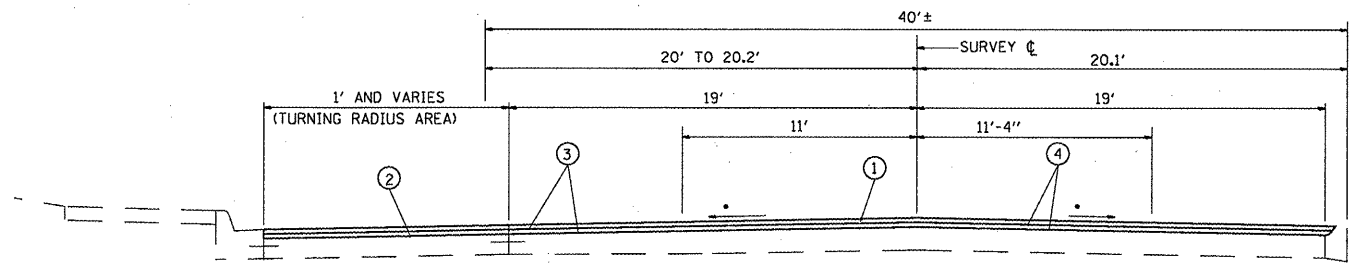


STA. 1153+66 TO STA. 1154+29.5
F.A.P. RTE. 325 (IL. RTE. 16)

GUTTER FLAG VARIES FROM 1'-5" TO 2' LT. STA. 1154+00 TO LT. STA. 1154+14.

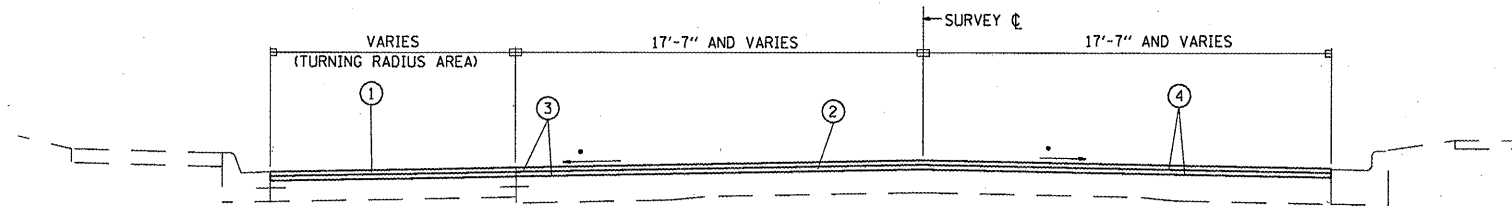
MATCH EXISTING CROSS SLOPE

- LEGEND**
- ① PROPOSED HMA SURFACE COURSE, MIX D, N70, 1 1/2"
 - ② PROPOSED LEVELING BINDER (MM), N70, 3/4"
 - ③ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ④ PROPOSED AGGREGATE (PRIME COAT)
 - ⑤ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
 - ⑦ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



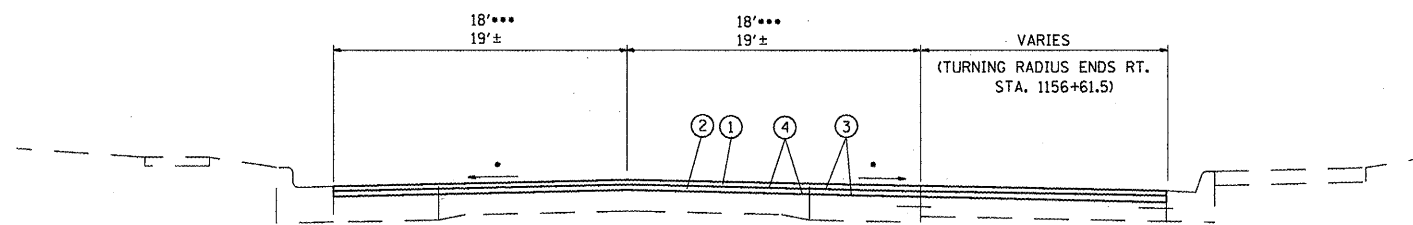
EXISTING PCC SIDEWALK BEGINS AT STA. 1154+17.5 LT.

STA. 1154+29.5 TO STA. 1154+50.3
F.A.P. RTE. 325 (IL. RTE. 16)



STA. 1154+50.3 TO STA. 1155+29.07
F.A.P. RTE. 325 (IL. RTE. 16)

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---				325	57RS-2	JERSEY	37	10
	PLOT DATE = #DATE#	DATE - ---	REVISED - ---				CONTRACT NO. 76E12		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		
					SCALE: _____	SHEET NO. 7 OF 10 SHEETS	STA. _____ TO STA. _____				



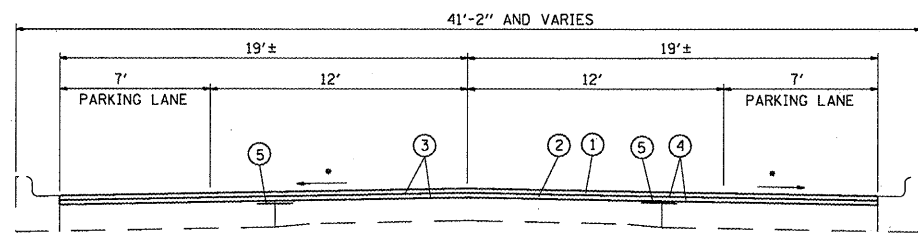
- LEGEND**
- ① PROPOSED HMA SURFACE COURSE, MIX D, N70, 1 1/2"
 - ② PROPOSED LEVELING BINDER (MM), N70, 3/4"
 - ③ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ④ PROPOSED AGGREGATE (PRIME COAT)
 - ⑤ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
 - ⑦ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

STA. 1155+29.07 TO STA. 1156+62
F.A.P. RTE. 325 (IL. RTE. 16)

THIS TANGENT SECTION APPLIES THROUGH THE CURVE WITH THE P.I. STA. 1165+41.30,
THERE IS NO SUPERELEVATION.

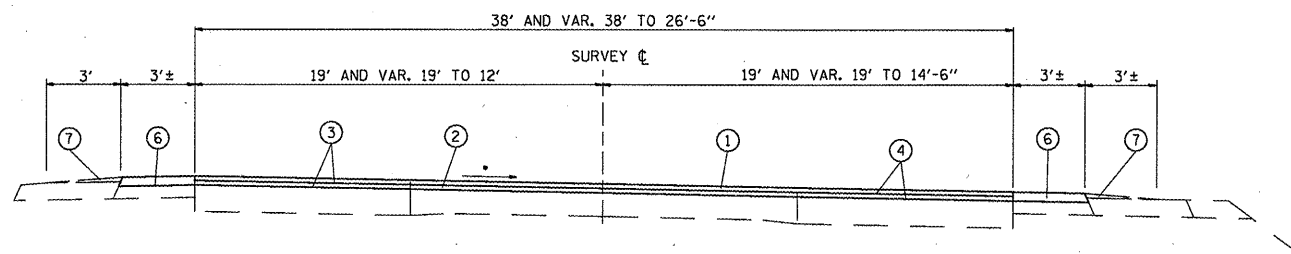
* MATCH EXISTING CROSS SLOPE

** EXISTING C.C.C. & GUTTER TYPE B-6.24 ENDS AT STA. 1156+61.5
*** STA. 1155+62 TO STA. 1156+17L.T., 1155+62 TO STA. 1157+32.5RT.



STA. 1156+62 TO STA. 1175+55± BK.
F.A.P. RTE. 325 (IL. RTE. 16)

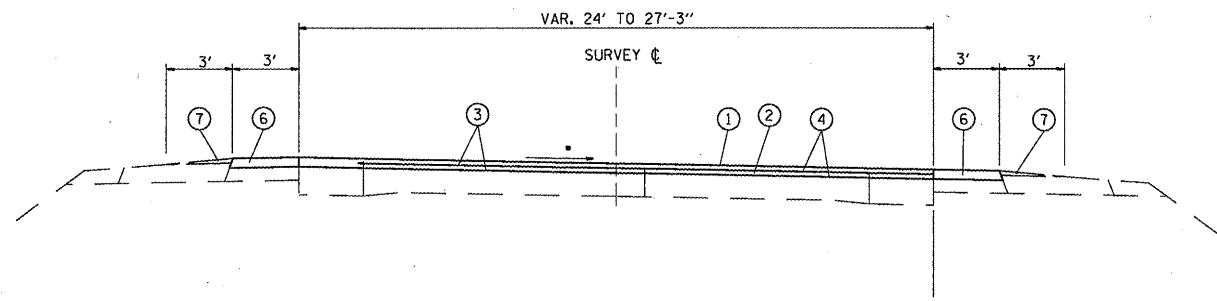
SUPERELEVATION ATTAINMENT IS BETWEEN STA. 1174+54.09 AND STA.1176+54.09, FOR
CURVE AT P.I. STA.1178+23.54.



STA. 1175+55 TO STA. 1175+98 BK.
F.A.P. RTE. 325 (IL. RTE. 16)

NOTE: SUPERELEVATION ATTAINMENT IS BETWEEN STA.1174+54.09 AND STA.1176+54.09, FOR
CURVE AT P.I. STA.1178+23.54.

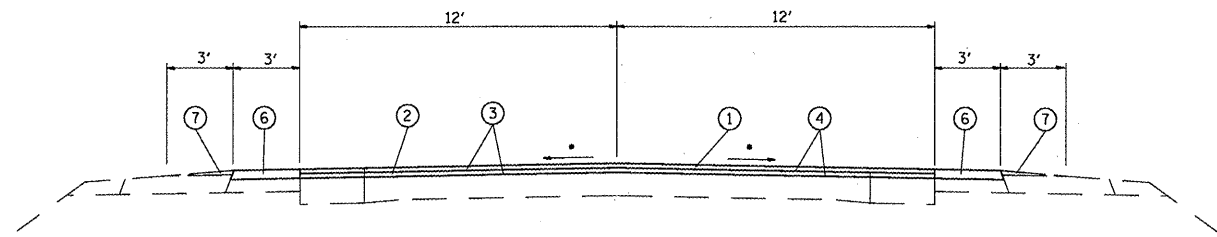
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	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---				CONTRACT NO. 76E12				
	PLOT DATE = #DATE#	DATE - ---	REVISED - ---				SCALE: -----	SHEET NO. 8 OF 10 SHEETS	STA. ----- TO STA. -----	FED. ROAD DIST. NO. -----	ILLINOIS FED. AID PROJECT



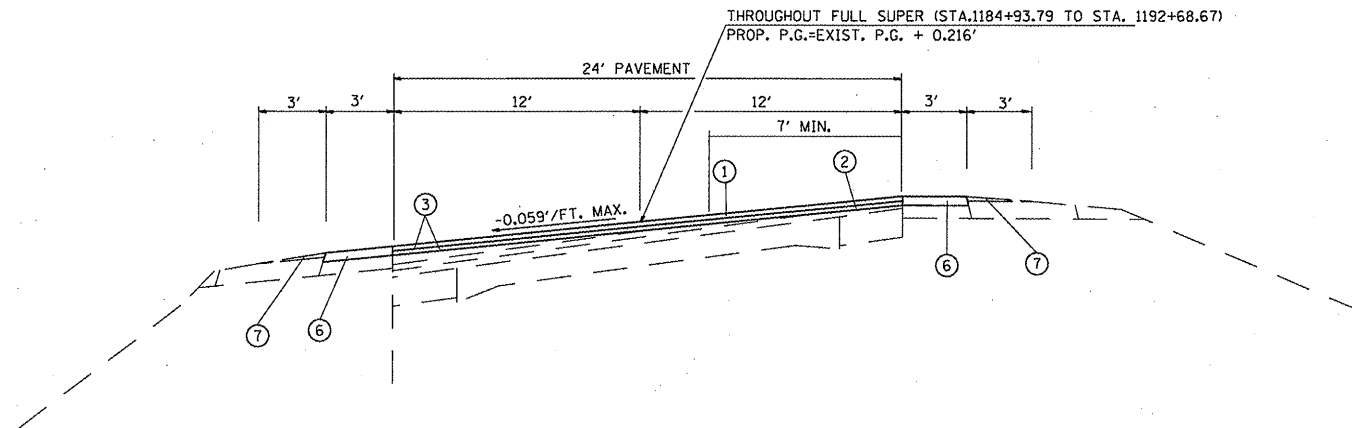
STA. 1176+07 TO STA. 1181+61.83
F.A.P. RTE. 325 (IL. RTE. 16)

* MATCH EXISTING CROSS SLOPE

- LEGEND**
- ① PROPOSED HMA SURFACE COURSE, MIX D, N70, 1 1/2"
 - ② PROPOSED LEVELING BINDER (MM), N70, 3/4"
 - ③ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ④ PROPOSED AGGREGATE (PRIME COAT)
 - ⑤ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
 - ⑦ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



STA. 1181+61.83 TO STA. 1182+93.79
F.A.P. RTE. 325 (IL. RTE. 16)



STA. 1182+93.79 TO STA. 1194+68.67
F.A.P. RTE. 325 (IL. RTE. 16)

NOTE: SUPERELEVATION ATTAINMENT IS BETWEEN STA.1182+93.79 AND STA.1184+93.79, AND SUPERELEVATION REMOVAL IS BETWEEN STA.1192+68.67 AND STA.1194+68.67, FOR CURVE AT P.I. STA.1189+12.34.

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PLOT DATE = #DATE#

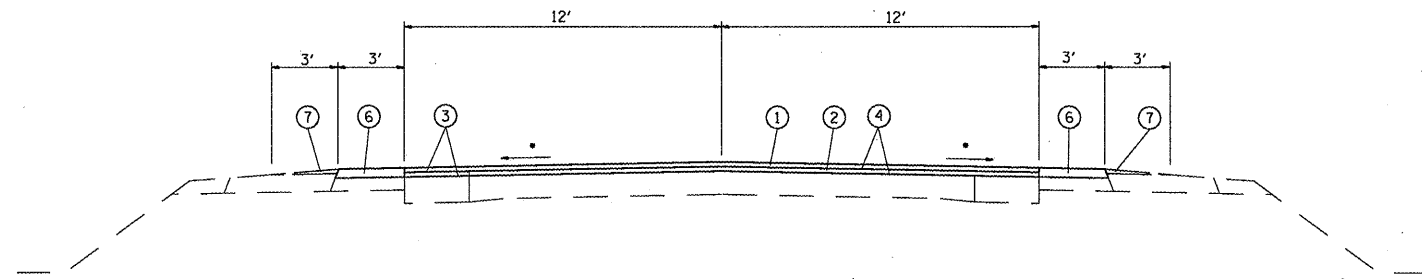
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CHECKED -
DATE -

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REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

SCALE: _____	SHEET NO. 9 OF 10 SHEETS	STA. _____ TO STA. _____	F.A.P. RTE. 325	SECTION 57RS-2	COUNTY JERSEY	TOTAL SHEETS 37	SHEET NO. 12
			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
			CONTRACT NO. 76E12				



- LEGEND**
- ① PROPOSED HMA SURFACE COURSE, MIX D, N70, 1 1/2"
 - ② PROPOSED LEVELING BINDER (MM), N70, 3/4"
 - ③ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
 - ④ PROPOSED AGGREGATE (PRIME COAT)
 - ⑤ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
 - ⑥ PROPOSED HOT-MIX ASPHALT SHOULDERS, 2 1/4"
 - ⑦ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

STA. 1194+68.67 TO STA. 1208+38
 F.A.P. RTE. 325 (IL. RTE. 16)

• MATCH EXISTING CROSS SLOPE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---				325	57RS-2	JERSEY	37	13
	PLOT DATE = #DATE#	DATE - ---	REVISED - ---				CONTRACT NO. 76E12				
					SCALE: -----	SHEET NO. 10 OF 10 SHEETS	STA. ----- TO STA. -----	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

TEMPORARY & THERMOPLASTIC PAVEMENT MARKING

STATION TO STATION	EDGE LINE SOLID WHITE, 4"		PARKING LANE SOLID WHITE, 4"		LANE TRANSITION SKIP-DASH WHITE, 4"		CENTERLINE SKIP-DASH WHITE, 4"	NO PASSING SOLID YELLOW, 4"	BI-DIRECT. TURN LANE YELLOW, 4"	MEDIAN DOUBLE YELLOW, 4"	TURN LANE WHITE, 4"	CROSSWALK SOLID WHITE, 12"	CHEVRONS SOLID YELLOW, 12"	STOP BAR SOLID WHITE, 24"	LETTERS & SYMBOLS WHITE	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER		
	RT	LT	RT	LT	RT	LT											2-WAY AMBER	1-WAY AMBER	1-WAY CRYSTAL
	FEET	FEET	FEET	FEET	FEET	FEET											FEET	FEET	FEET
1115+86 - 1117+00			114	114			30								55.1	2	2		
1117+00 - 1123+00			600	514			150									7	7		
1123+00 - 1129+00			510	401			150	79								8	8		
1129+00 - 1135+00			516	521			150	462								7	7		
1135+00 - 1141+00			514	496			150	544								8	8		
1141+00 - 1147+00			491	423			130	484								8	8		
1147+00 - 1152+75			296	294				736		828		78	50.7			24	10	10	
1152+75 - 1158+50							60	606	240	124	237	222		51	171.6	29	15	1	8
1158+50 - 1164+50			226	226			160	219	402	720			65.3		31.2	24	16	8	
1164+50 - 1170+00			291	323	102	186	130	309								10	10		
1170+00 - 1176+00			504	468			150	413						55	61.2	8	8		
1176+00 - 1181+75	558	461					30	1025						36	61.2	13	13		
1181+75 - 1187+50	575	575					140	225								7	7		
1187+50 - 1193+25	479	468					140									7	7		
1193+25 - 1199+25	600	600					150									8	8		
1199+25 - 1205+00	398	494					150	100								7	7		
1205+00 - 1208+38	338	338					80	338								4	4		
SUB-TOTALS	2948	2936	4062	3780	102	186	1950	5540	642	1672	237	300	116	142	380.3	181	145	19	8
TOTALS	24055											415		142	380.3	181	172		

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -					325	57RS-2	JERSEY	37	14
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	PLOT DATE = #DATE#	DATE -	REVISED -		CONTRACT NO. 76E12							

MAINLINE RESURFACING

STATION TO STATION	HMA SURFACE REMOVAL, 2 1/4"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MM), N70	HMA SURFACE COURSE, MIX D, N70	STRIP REFLECTIVE CRACK CONTROL
	SQ YD	TON	TON	TON	TON	FOOT
1115+86 - 1123+21	2037.7	1.28	6.0	85.6	171.1	1470
1123+21 - 1128+04.5	1547.1	0.96	4.6	64.9	117.7	967
1128+04.5 - 1133+68.5	1653.1	1.04	5.0	69.5	138.9	1128
1133+68.5 - 1140+74.5	2031.4	1.28	6.2	85.2	170.7	1412
1140+74.5 - 1147+58	2087.6	1.30	6.4	87.8	175.4	1367
1147+58 - 1150+67.5	972.8	0.62	2.8	40.9	81.7	619
1150+67.5 - 1162+31	4912.6	3.08	14.8	206.4	412.7	2327
1162+31 - 1164+65.5	625.3	0.4	1.8	26.3	52.5	469
1164+65.5 - 1170+21.5	1992.9	1.26	6.1	83.8	167.5	1112
1170+21.5 - 1176+00	1763.6	1.12	5.2	74.1	148.2	1157
1176+00 - 1181+62	1570.5	0.98	4.7	66.0	88.6	
1181+62 - 1207+32	6853.3	4.34	20.8	291.8	583.5	
1207+32 - 1208+38	282.7	0.12	0.6	8.0	15.9	
PARKING LANES	5728.0	3.56	17.0	240.6	481.0	
TOTALS	34058.6	21.34	102.0	1430.9	2805.4	12028

FILE NAME =
#FILE#

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DESIGNED - ---

REVISED - ---

DRAWN - ---

REVISED - ---

PLOT SCALE = #SCALE#

CHECKED - ---

REVISED - ---

PLOT DATE = #DATE#

DATE - -----

REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

F.A.P.
RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

325

57RS-2

JERSEY

37

15

CONTRACT NO. 76E12

SCALE: -----

SHEET NO. 2 OF 3 SHEETS

STA. -----

TO STA. -----

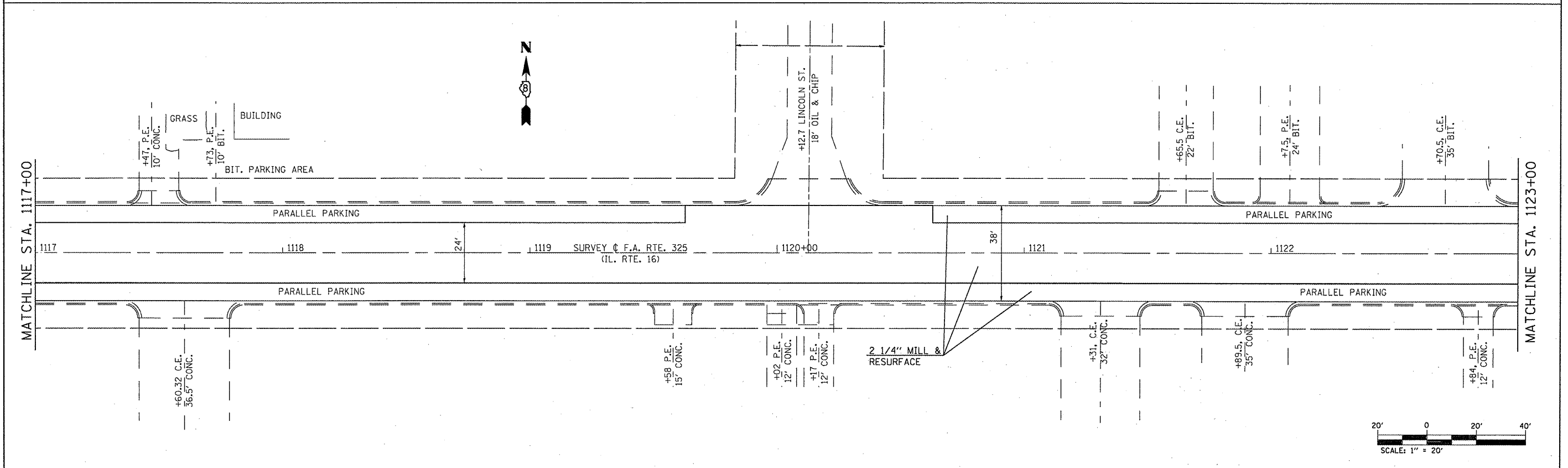
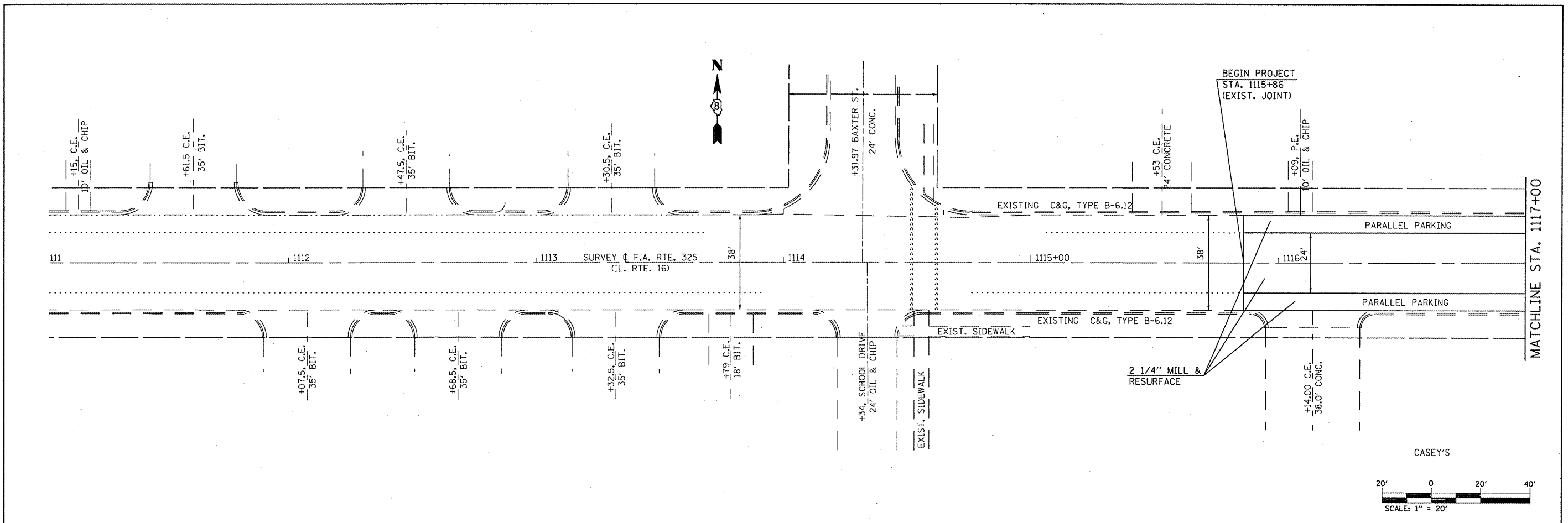
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT

LOCATION	TEMPORARY RAMP	
	SQ YD	
	NORTH	SOUTH
STA. 1115+86	26.7	
LINCOLN ST.	66.7	
WARREN ST.	66.7	
PEARL ST.	83.3	55.6
CROSS ST.		61.1
CLAY ST.		50
ARCH ST.	55.6	55.6
PRAIRIE ST.	61.1	
LIBERTY ST.	61.1	77.8
LAFAYETTE ST.	50.0	55.6
WASHINGTON ST.	44.4	55.6
US 67	155.6	155.6
JEFFERSON ST.	44.4	44.4
GOODRICH ST.		44.4
MAPLE ST.	55.6	44.4
CARPENTER ST.	72.2	
MCBRIDE ST.		44.4
HARBERT ST.	61.7	
CURTIS ST.		50.0
MOREAN ST.	50.0	
RAILROAD	53.2	54.0
FRANKLIN ST.	88.9	
MOUND ST.	100	77.8
JUNE ST.	72.2	138.9
STA. 1208+38	26.7	
SUB-TOTAL	1296.1	1065.2
TOTAL	2361.3	

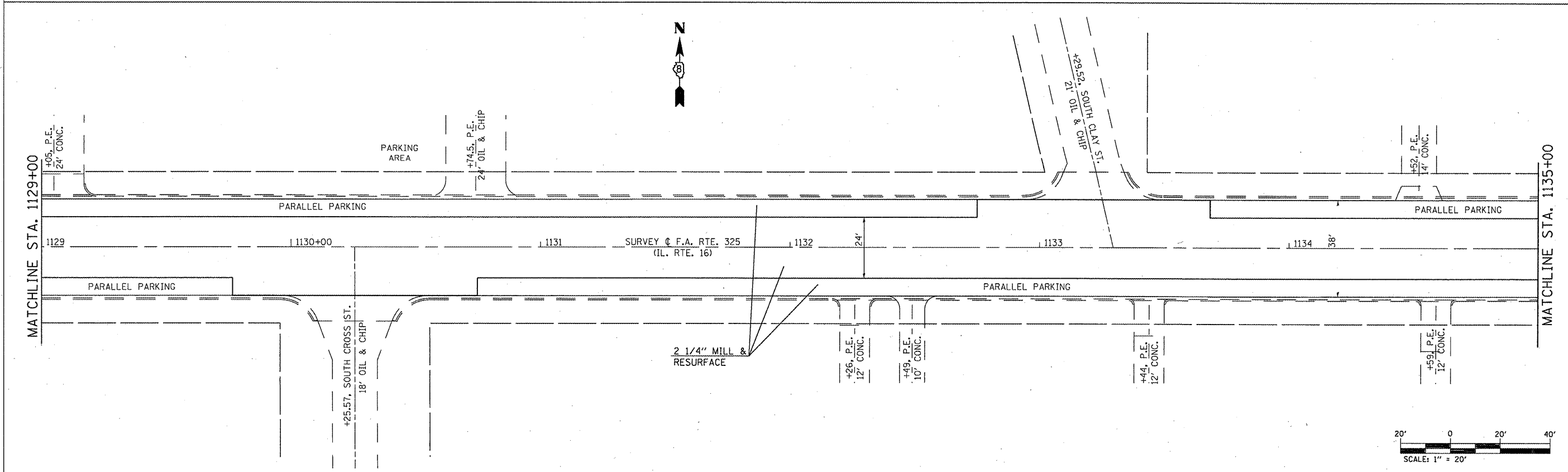
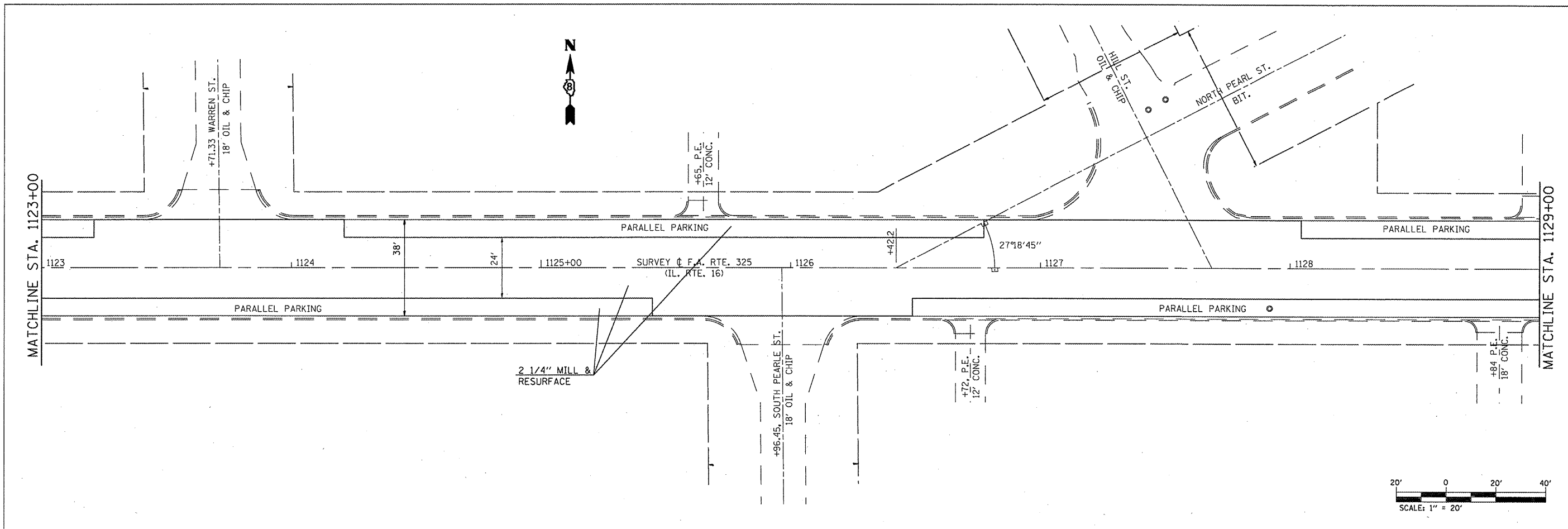
STA. TO STA.	SIZE	PAVEMENT PATCHING, TYPE IV, 13"
	FEET	SQ YD
EB Sta. 1199+25	12x20	26.7
WB Sta. 1199+25	12x20	26.7
EB Sta. 1206+70	12x20	26.7
WB Sta. 1206+70	12x20	26.7
25% FAILURES	12x20	26.7
TOTALS		133.5

SHOULDER RESURFACING					
STATION TO STATION	HMA SURFACE REMOVAL, 2 1/4"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SHOULDERS, 2 1/4"	AGGREGATE WEDGE SHOULDER, TYPE B
	SQ YD	TON	TON	TON	TON
LT. 1176+08 - 1177+92	61.3	0.02	0.1	7.7	2.7
RT. 1176+17 - 1188+15	399.3	0.12	0.6	50.3	2.9
LT. 1178+96 - 1187+70	291.3	0.09	0.4	36.7	1.2
LT. 1188+61 - 1201+40	426.3	0.13	0.6	53.7	18.7
RT. 1188+96 - 1201+21	408.3	0.13	0.6	51.4	17.9
LT. 1202+03 - 1203+70	55.7	0.02	0.1	7.0	2.4
RT. 1202+41 - 1203+50	36.3	0.01	0.1	4.6	1.6
LT. 1204+00 - 1206+65	88.3	0.03	0.1	11.1	3.9
RT. 1203+81 - 1206+08	75.7	0.02	0.1	9.5	3.3
RT. 1206+68 - 1208+38	54.0	0.02	0.1	6.8	2.4
LT. 1207+32 - 1208+38	35.3	0.01	0.1	4.5	1.5
TOTALS	1931.8	0.60	2.9	243.3	58.5

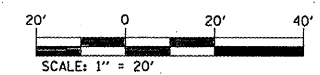
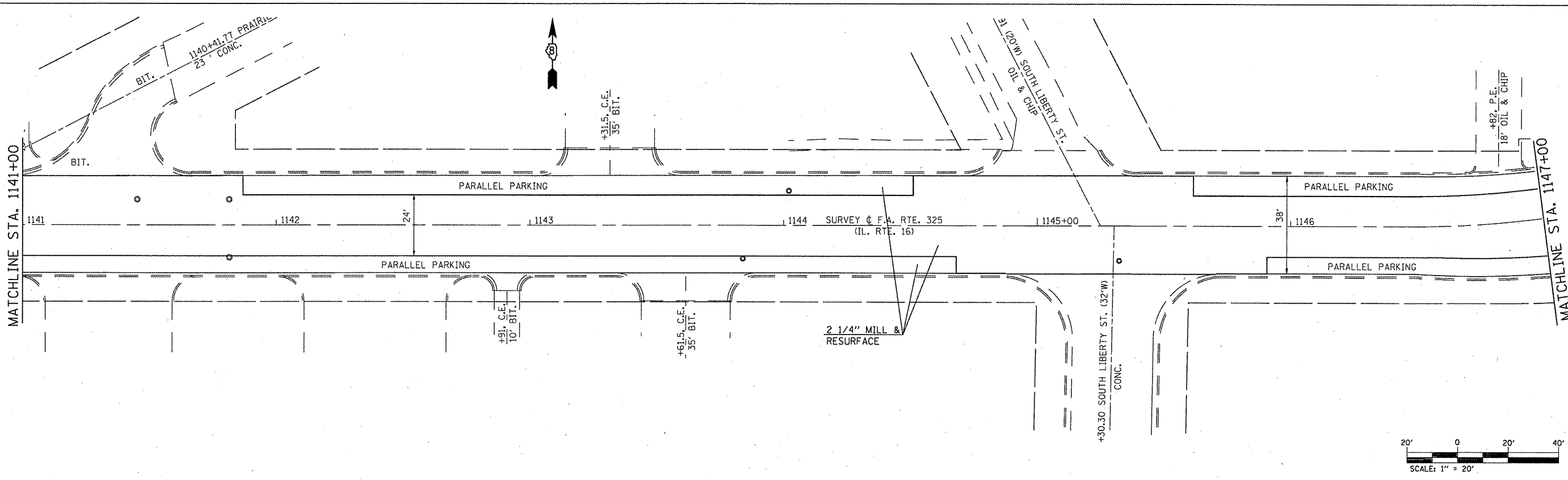
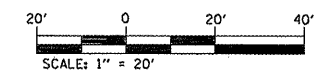
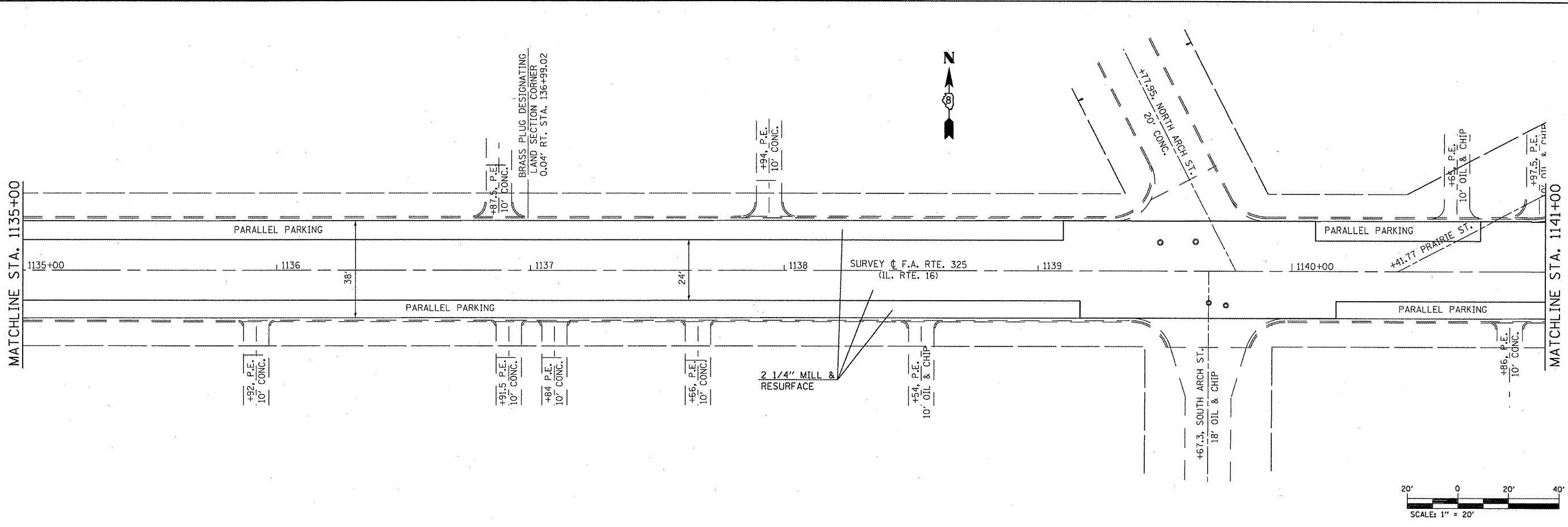
FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---			325	57RS-2	JERSEY	37	16
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---			CONTRACT NO. 76E12				
				SCALE: _____	SHEET NO. 3 OF 3 SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			



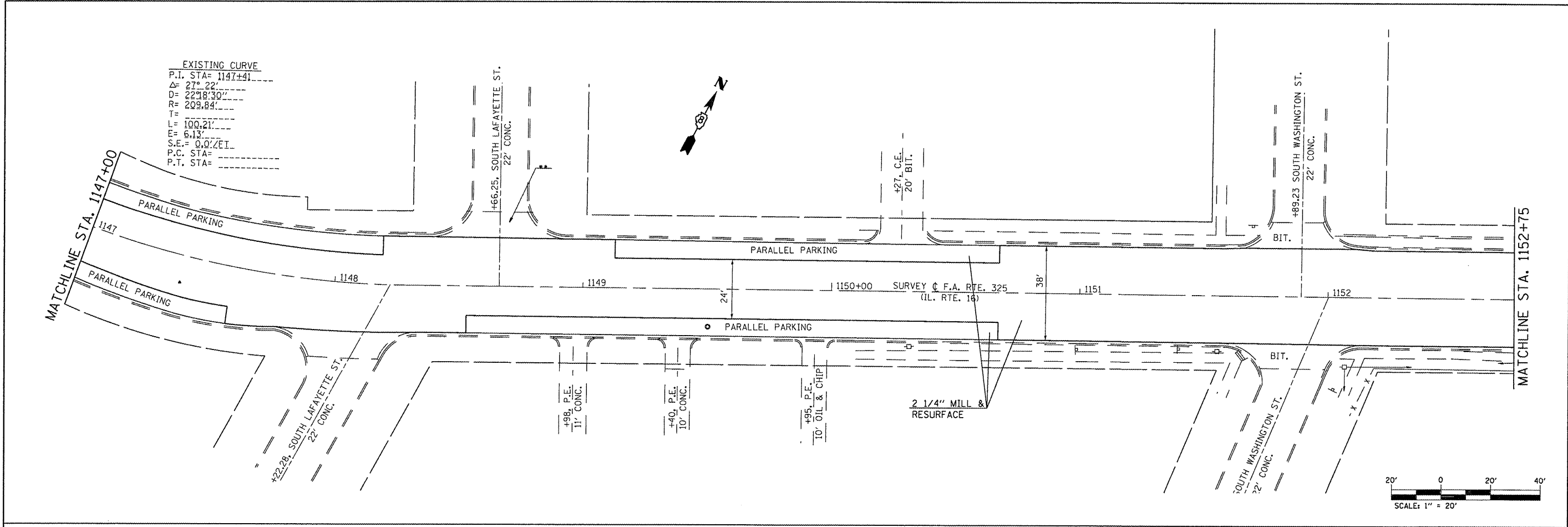
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#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			SCALE: 1" = 20'	SHEET NO. 1 OF 9 SHEETS	STA. 1100+00 TO STA. 1123+00	CONTRACT NO. 76E12		
	PLOT DATE = #DATE#	CHECKED -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
		DATE -	REVISED -								



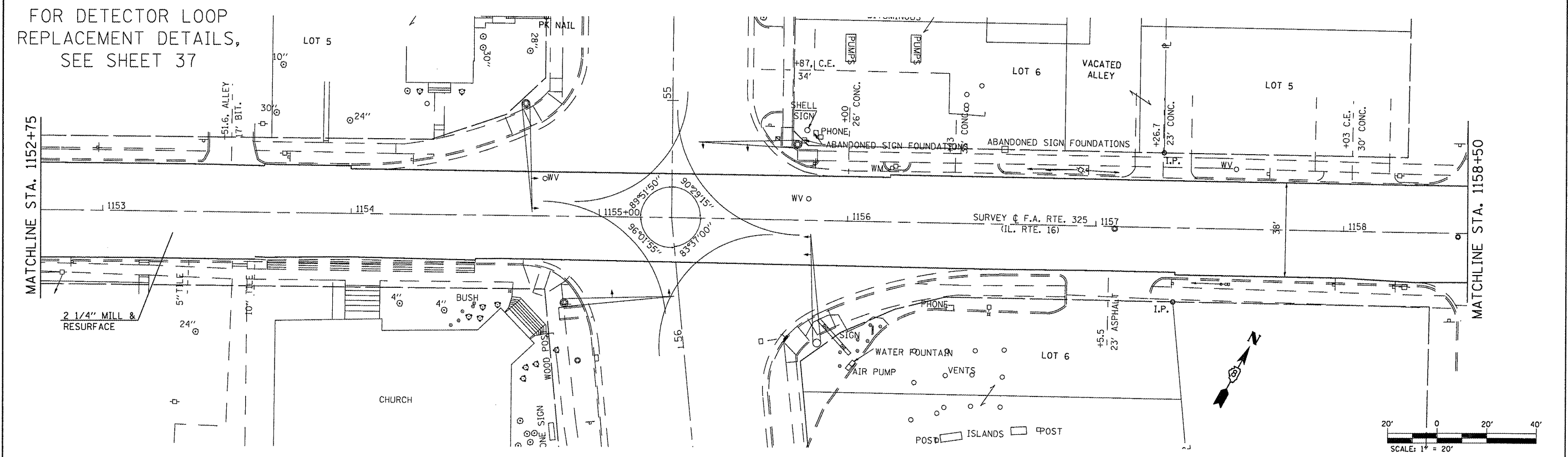
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#FILE#		DRAWN -	REVISED -			325	57RS-2	JERSEY	37	18	
		CHECKED -	REVISED -			CONTRACT NO. 76E12					
		DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 3 OF 9 SHEETS	325	57RS-2	JERSEY	37	19
		CHECKED -	REVISED -		STA. 1135+00 TO STA. 1147+00						
		DATE -	REVISED -								
							CONTRACT NO. 76E12				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT											



EXISTING CURVE
 P.I. STA= 1147+41
 Δ= 27° 22'
 D= 2238' 30"
 R= 209.84'
 T= 100.21'
 E= 6.13'
 S.E. = 0.07 E.T.
 P.C. STA= 1147+00
 P.T. STA= 1147+82



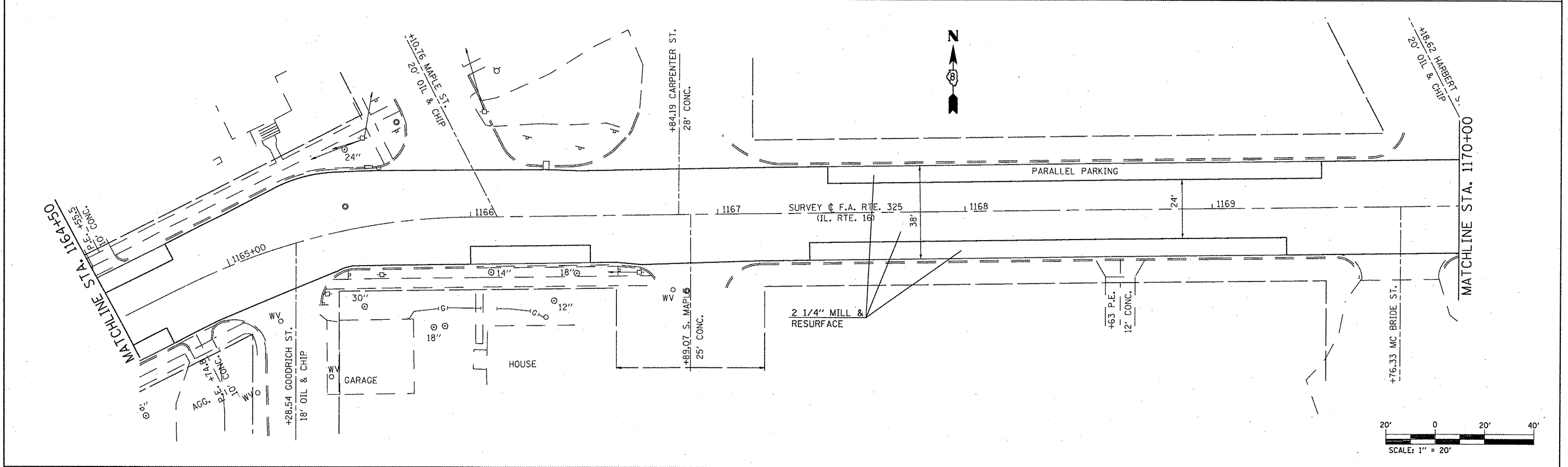
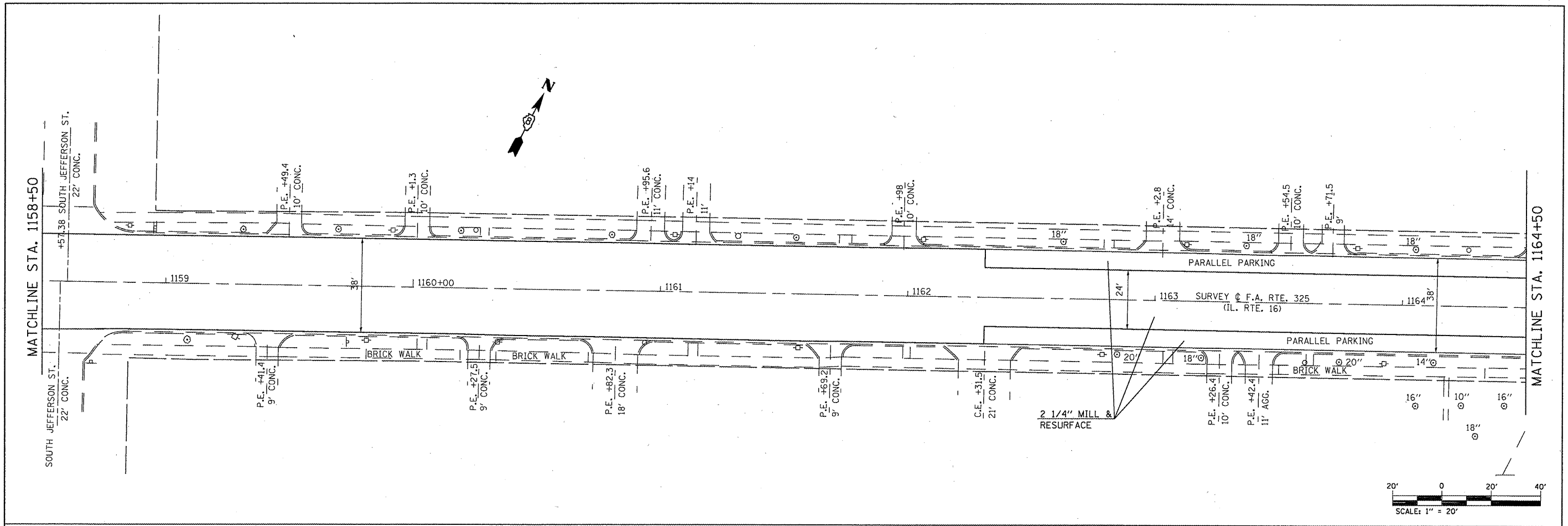
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	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

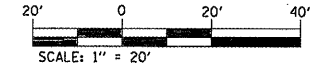
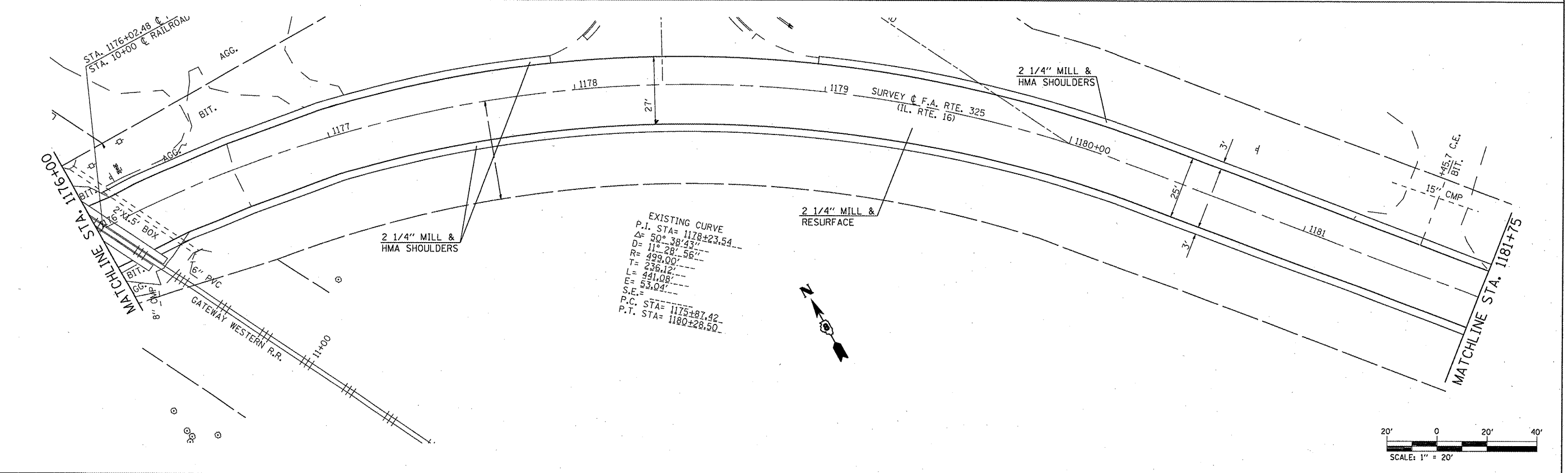
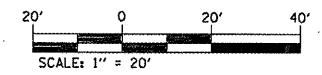
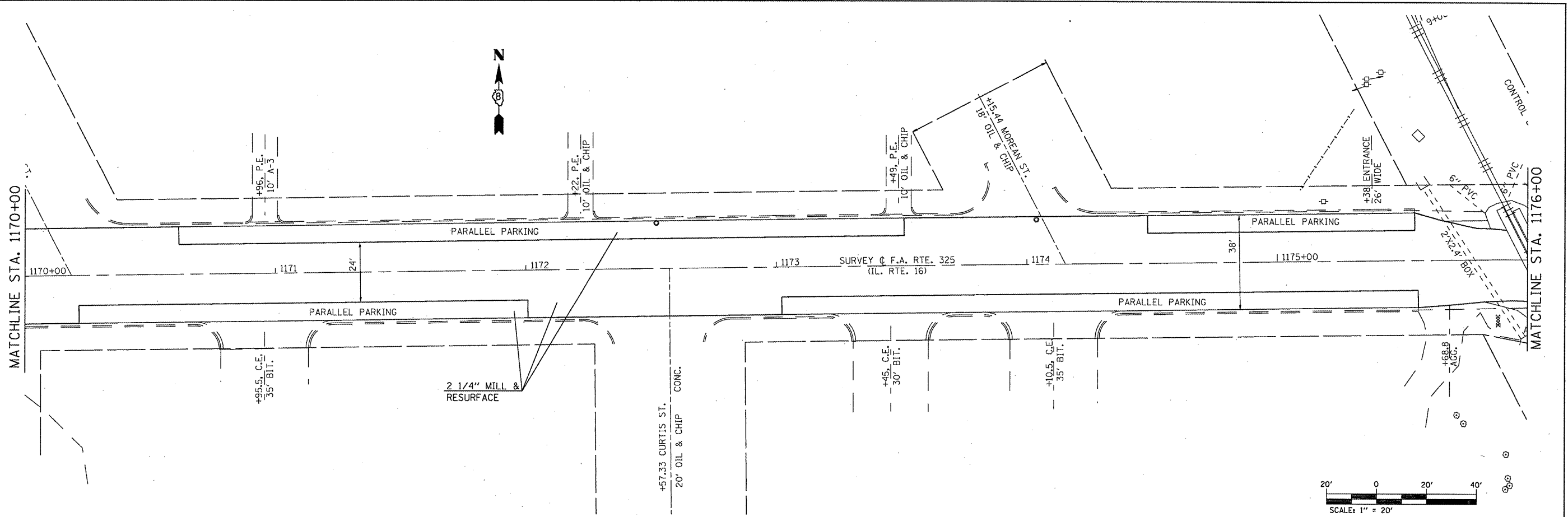
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 4 OF 9 SHEETS STA. 1147+00 TO STA. 1159+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57R5-2	JERSEY	37	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E12	



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 5 OF 9 SHEETS	STA. 2258+50 TO STA. 1170+00	325	57RS-2	JERSEY	37	21	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		CONTRACT NO. 76E12								
	PLOT DATE = #DATE#	DATE -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT								



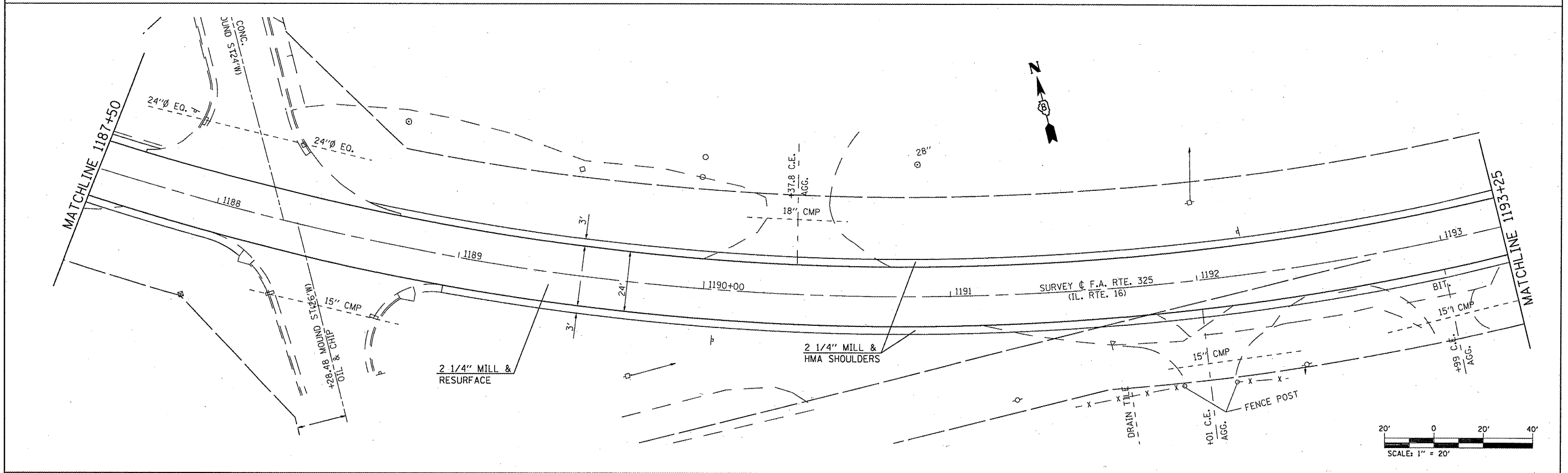
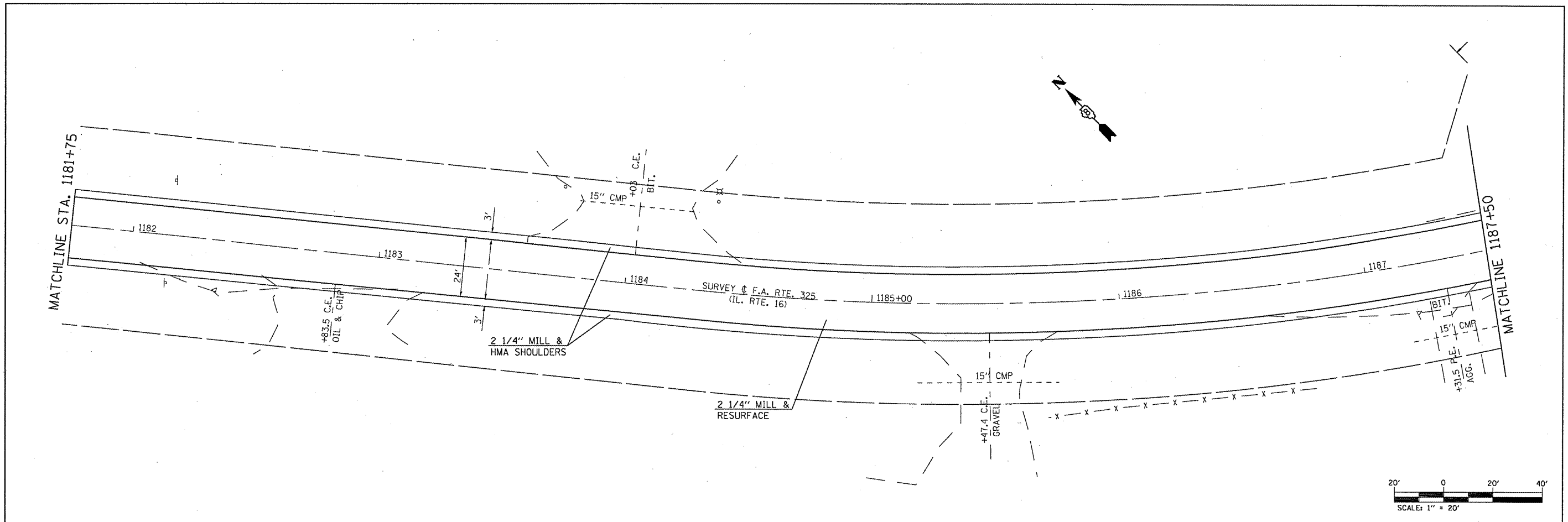
EXISTING CURVE
 P.I. STA= 1178+23.54
 Δ= 50° 38' 43"
 D= 11° 28' 56"
 R= 499.00'
 L= 236.12'
 E= 441.08'
 S.E.= 53.04'
 P.C. STA= 1175+87.42
 P.T. STA= 1180+28.50

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

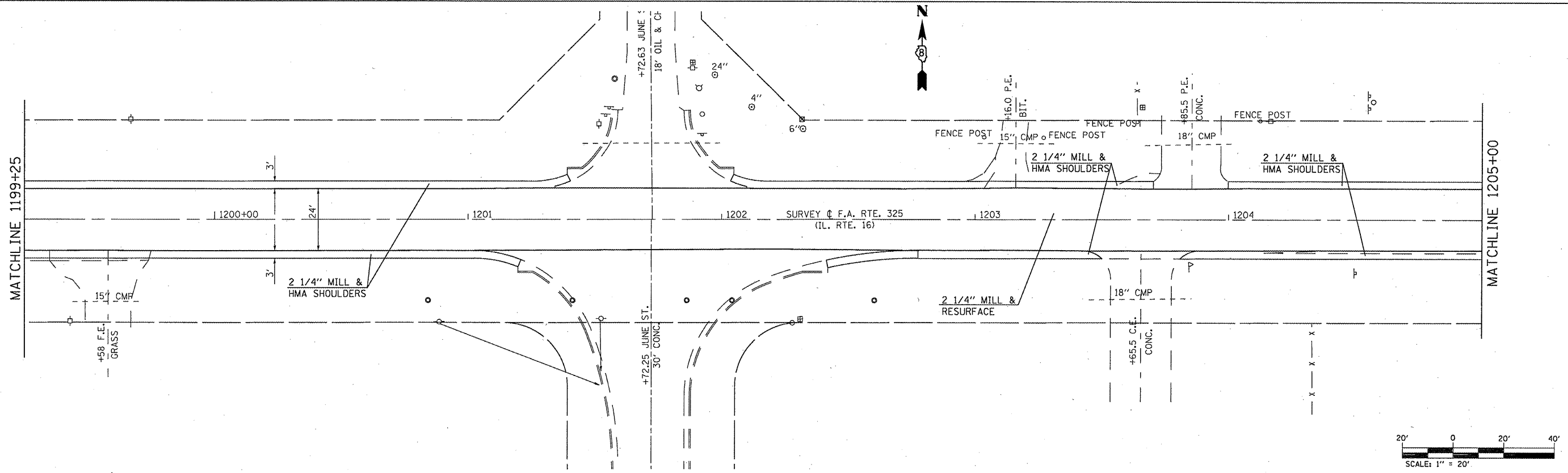
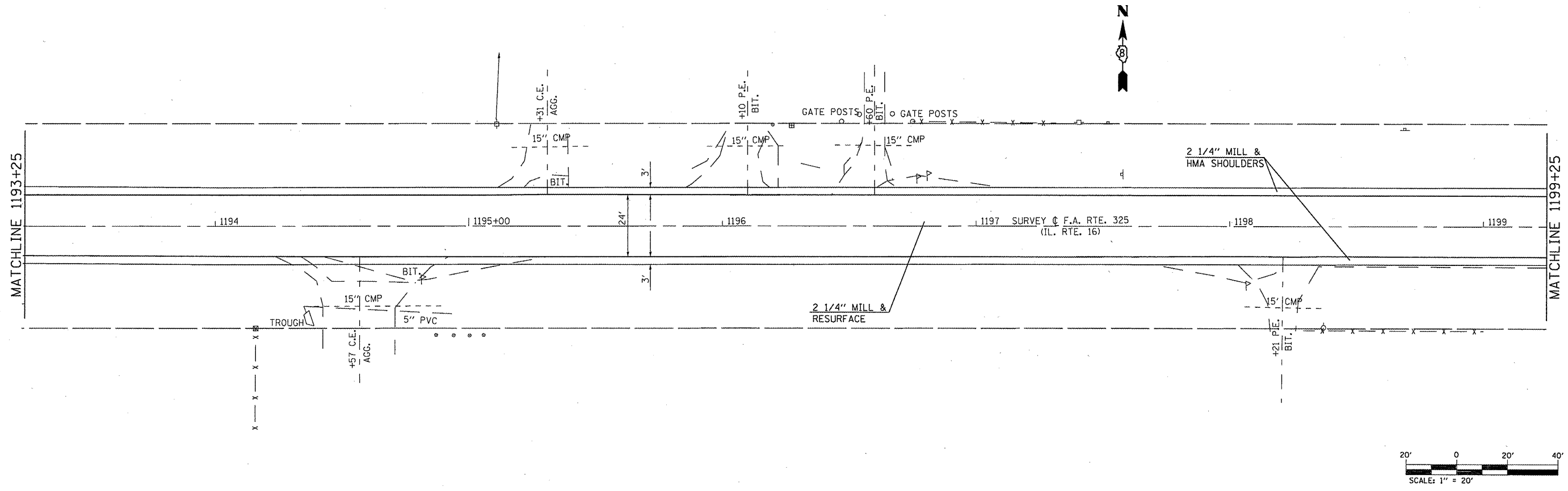
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS
 SCALE: 1" = 20' SHEET NO. 6 OF 9 SHEETS STA. 1170+00 TO STA. 1181+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	22
				CONTRACT NO. 76E12
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			325	57RS-2	JERSEY	37	23	
	PLOT SCALE = *SCALE*	CHECKED -	REVISED -			CONTRACT NO. 76E12					
	PLOT DATE = *DATE*	DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
					SCALE: 1" = 20'	SHEET NO. 7 OF 9 SHEETS	STA. 1181+75 TO STA. 1193+25				



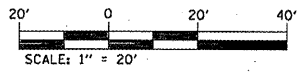
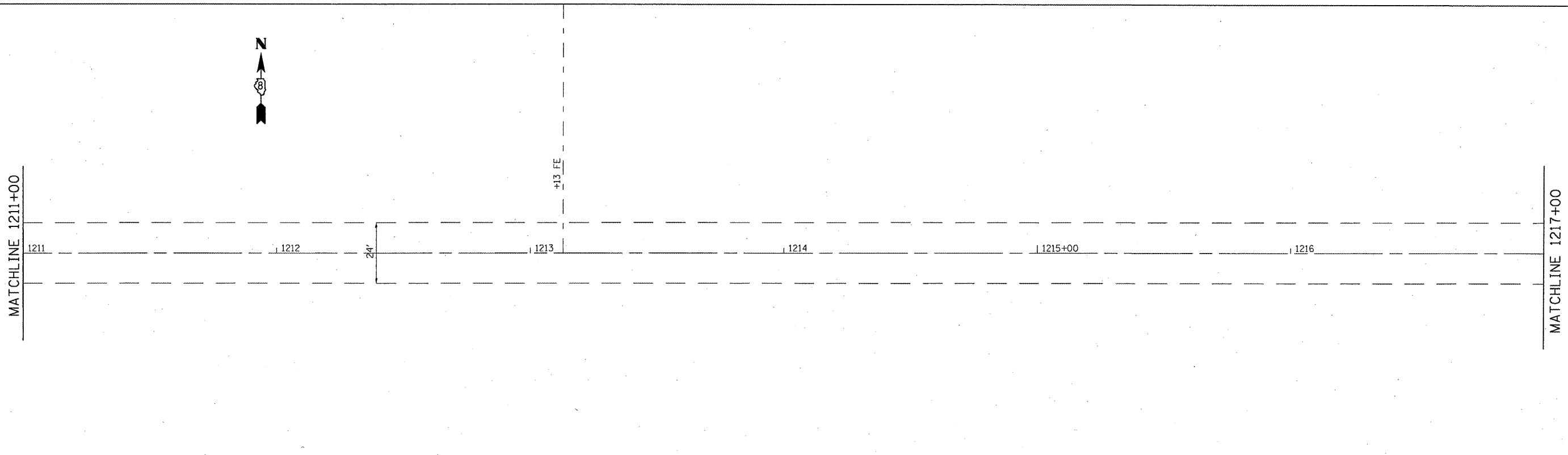
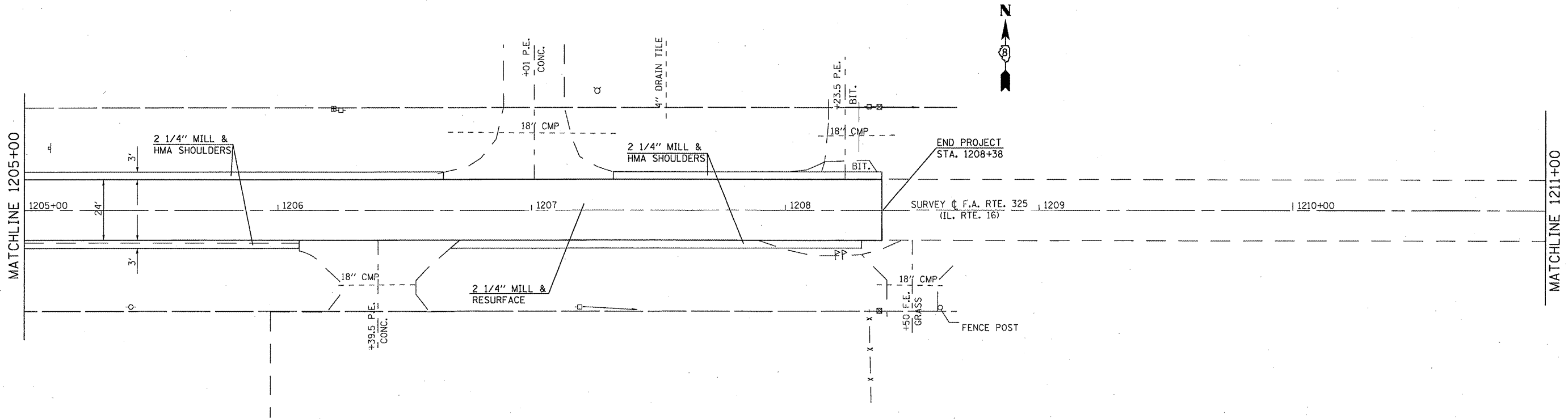
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

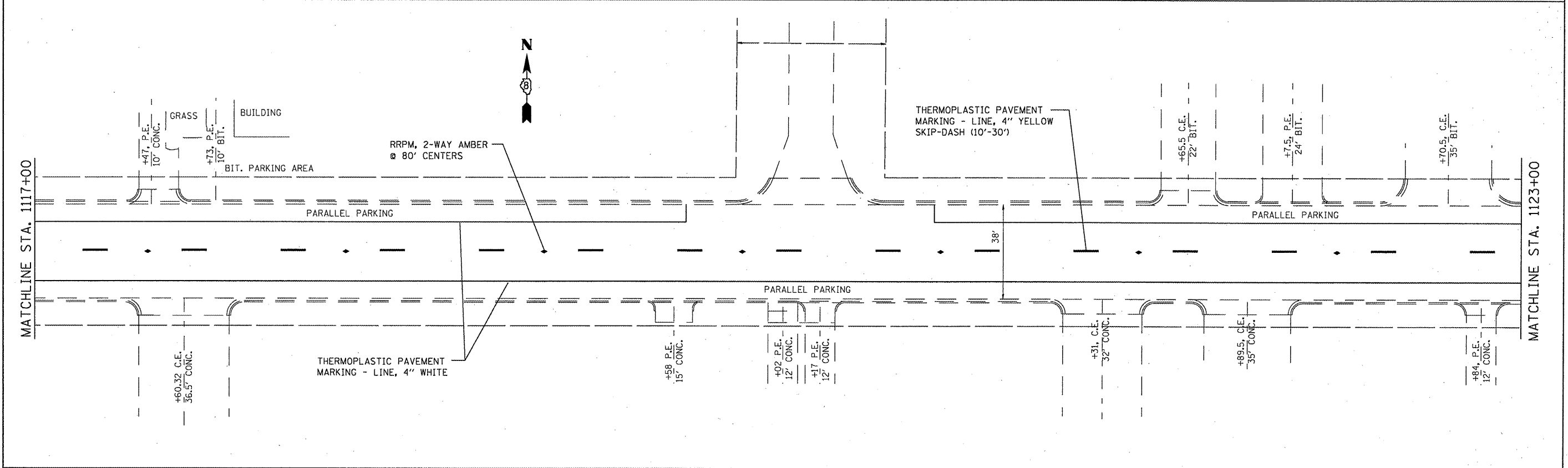
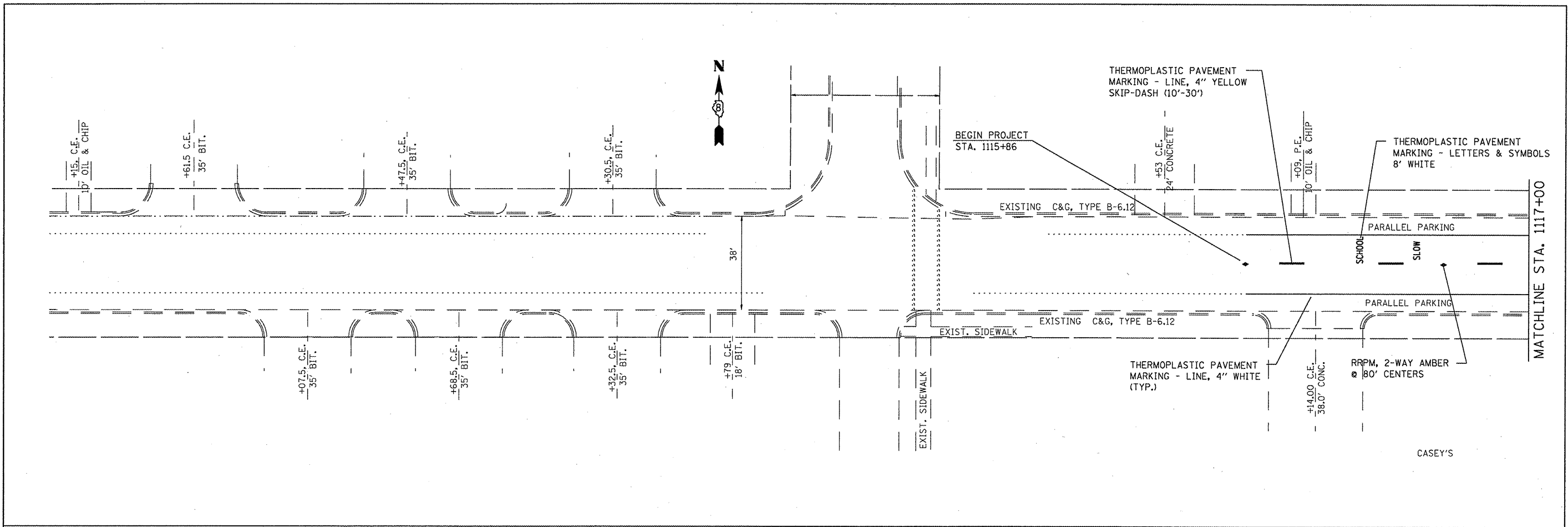
PLAN SHEETS

SCALE: 1" = 20' SHEET NO. 8 OF 9 SHEETS STA. 1193+25 TO STA. 1205+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	24
CONTRACT NO. 76E12				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				

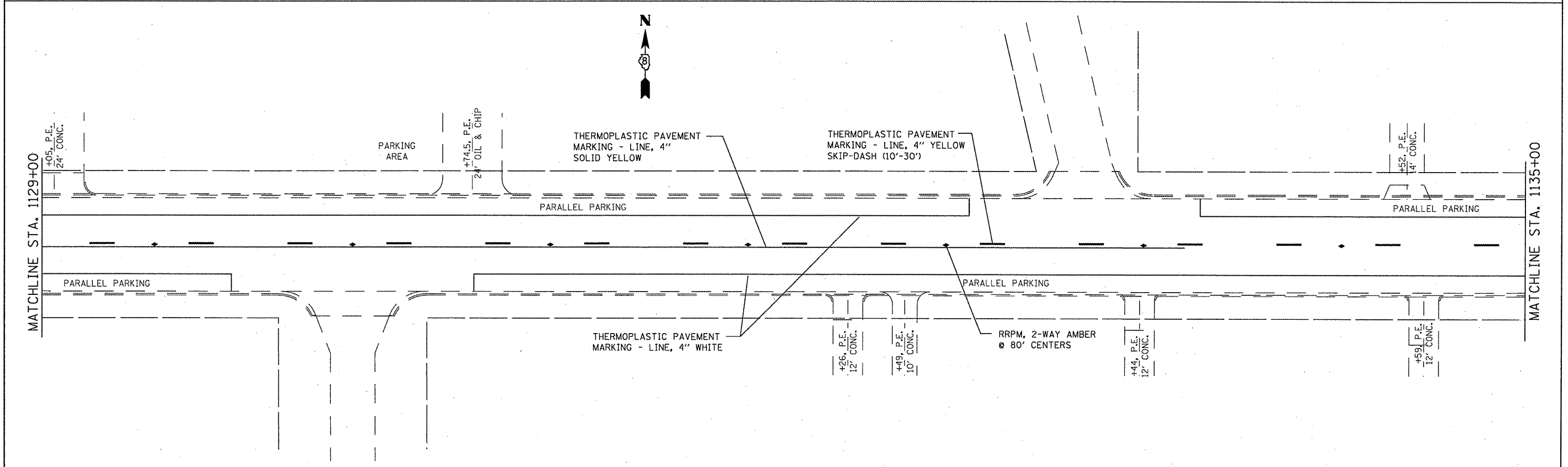
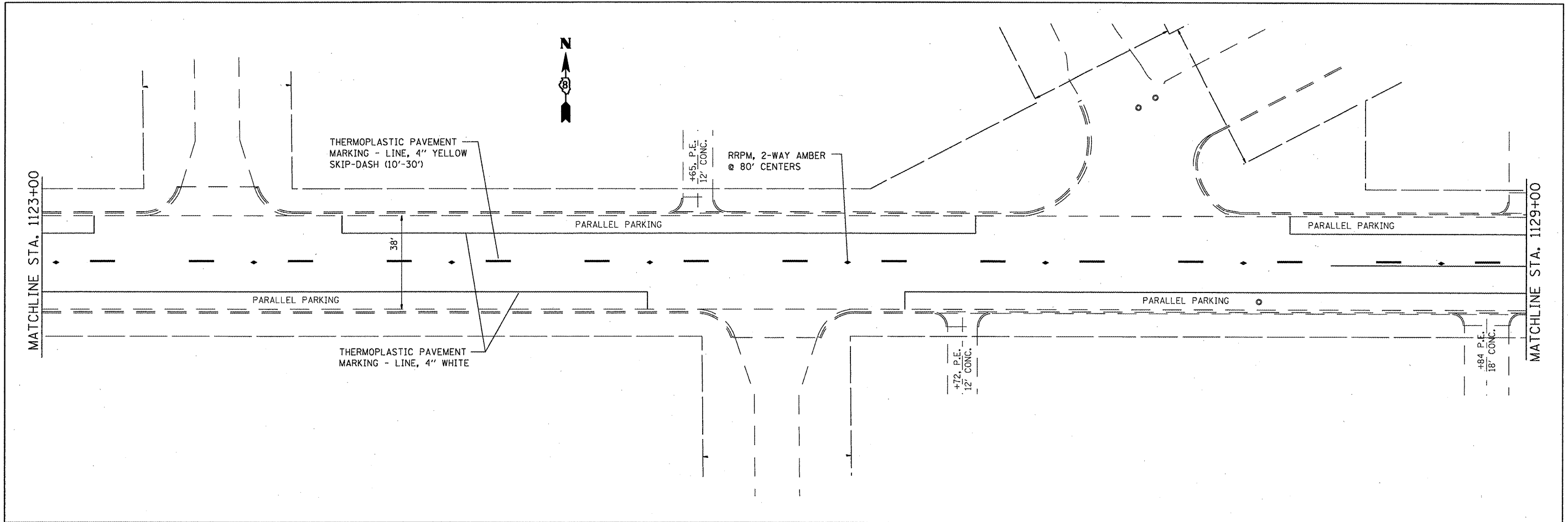


FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS				F.A.P. RTE. 325	SECTION 57RS-2	COUNTY JERSEY	TOTAL SHEETS 37	SHEET NO. 25
#FILE#		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO. 9 OF 9 SHEETS	STA. 1205+00 TO STA. 1210+00	CONTRACT NO. 76E12					
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT								
	PLOT DATE = #DATE#	DATE -	REVISED -										

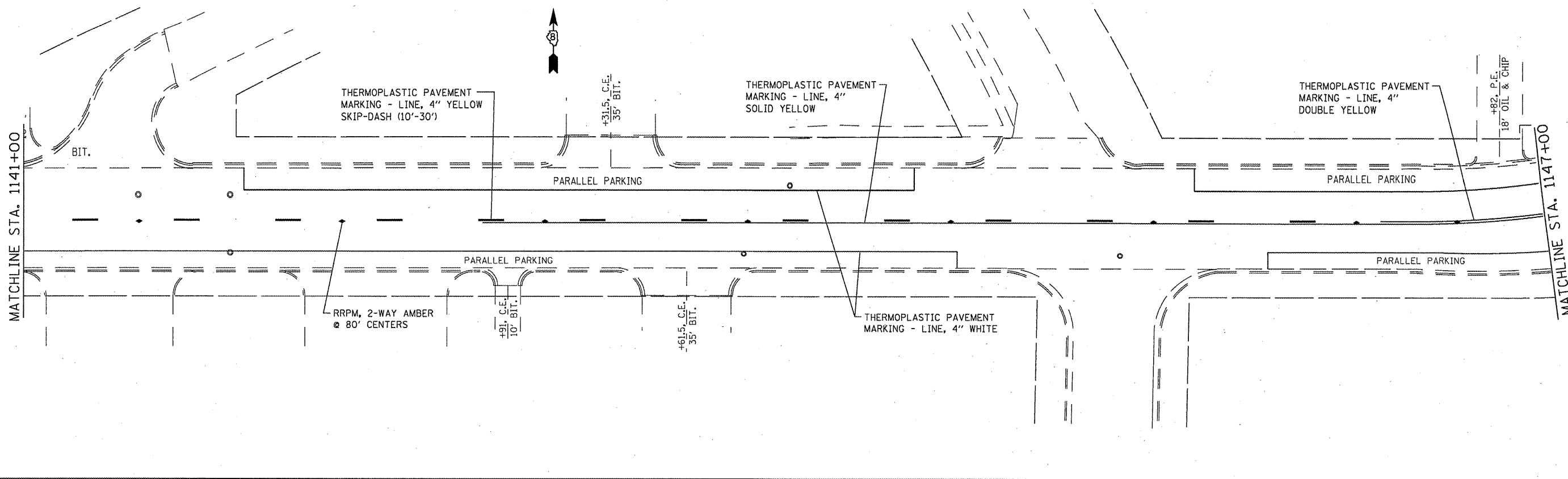
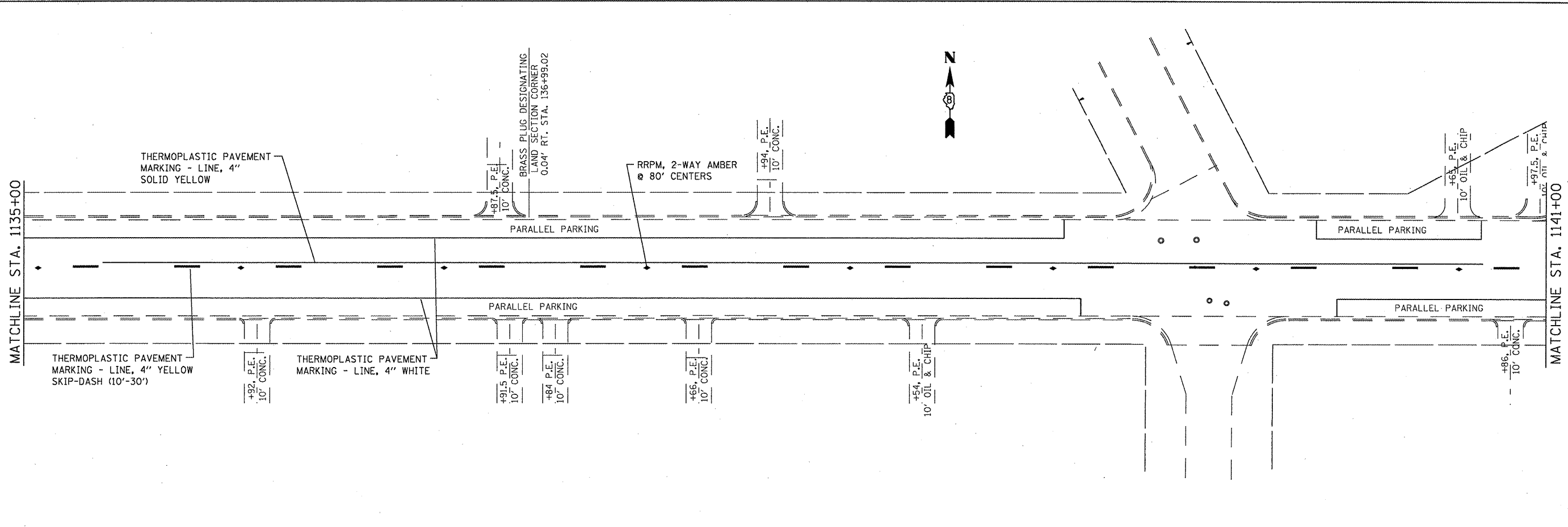


FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

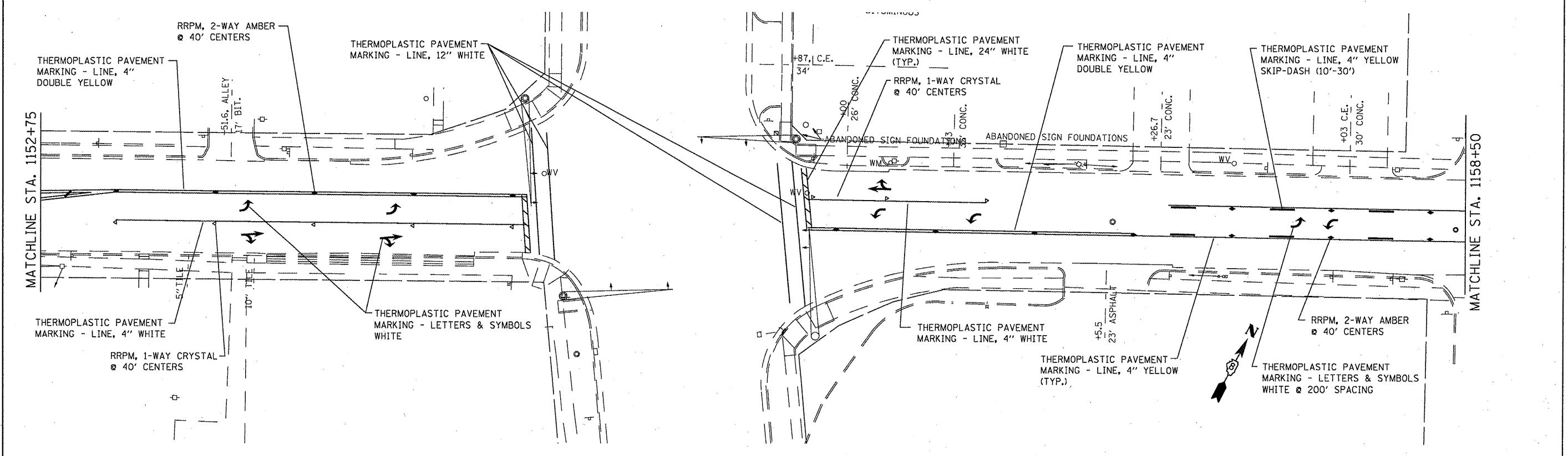
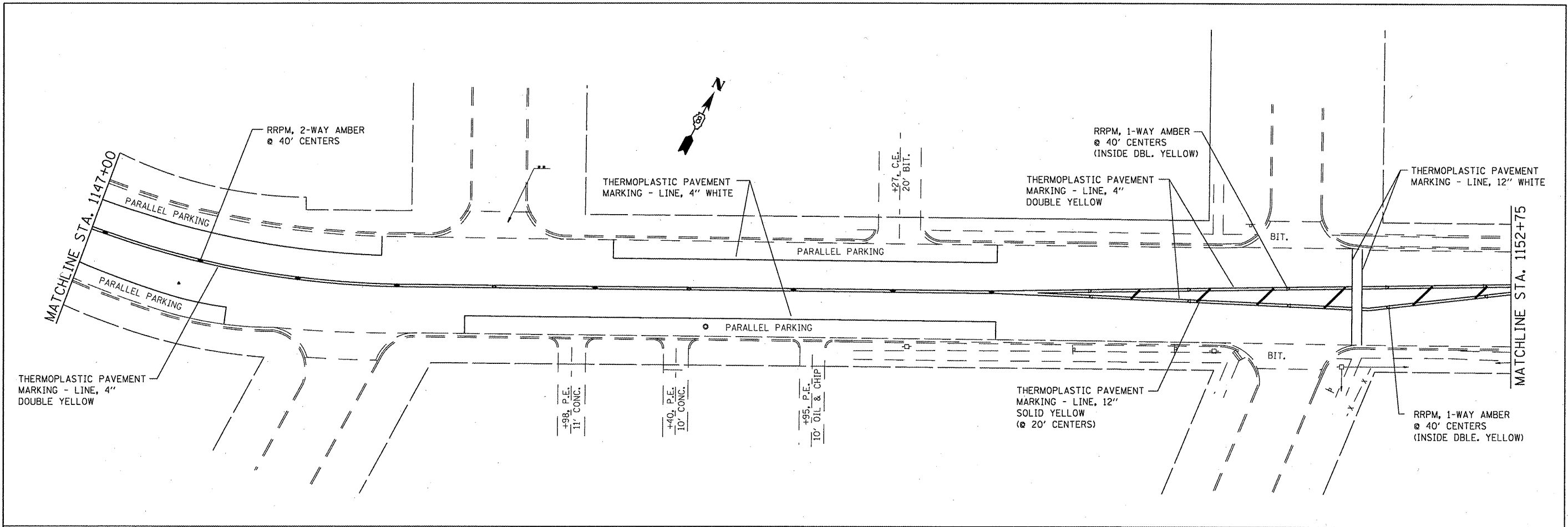
SCALE: 1" = 20' SHEET NO. 1 OF 9 SHEETS STA. 1100+00 TO STA. 1123+00



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS			F.A.P. RTE. 325	SECTION 57RS-2	COUNTY JERSEY	TOTAL SHEETS 37	SHEET NO. 27
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 9 SHEETS	STA. 1123+00 TO STA. 1135+00	CONTRACT NO. 76E12				
	PLOT DATE = #DATE#	DATE -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---			325	57RS-2	JERSEY	37	28
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---			CONTRACT NO. 76E12				
				SCALE: 1" = 20' SHEET NO. 3 OF 9 SHEETS STA. 1135+00 TO STA. 1147+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



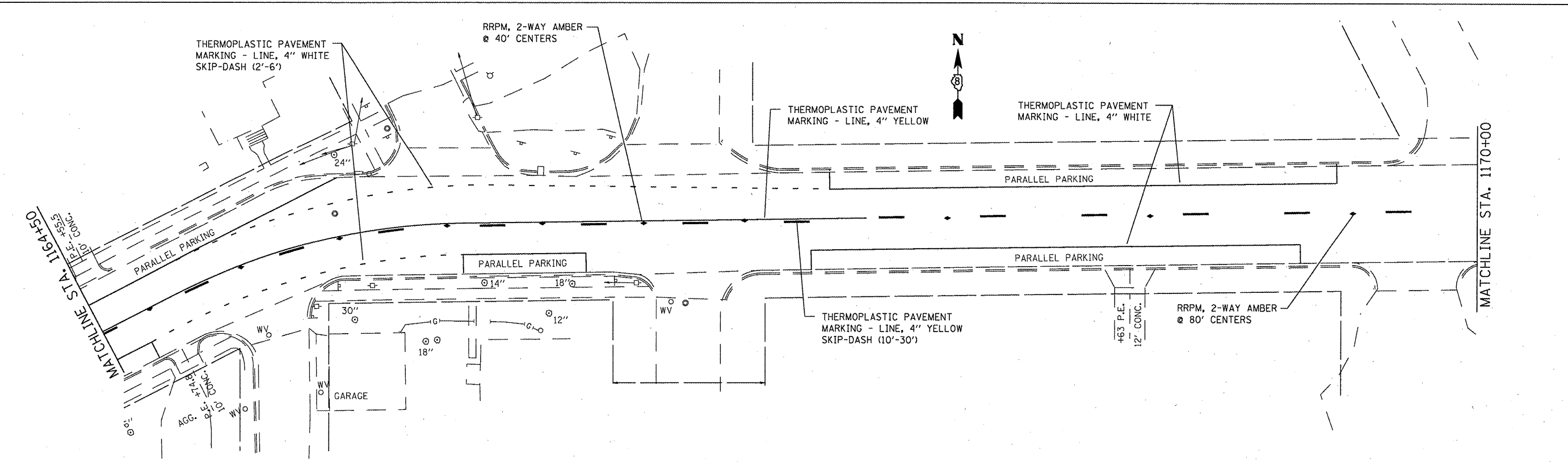
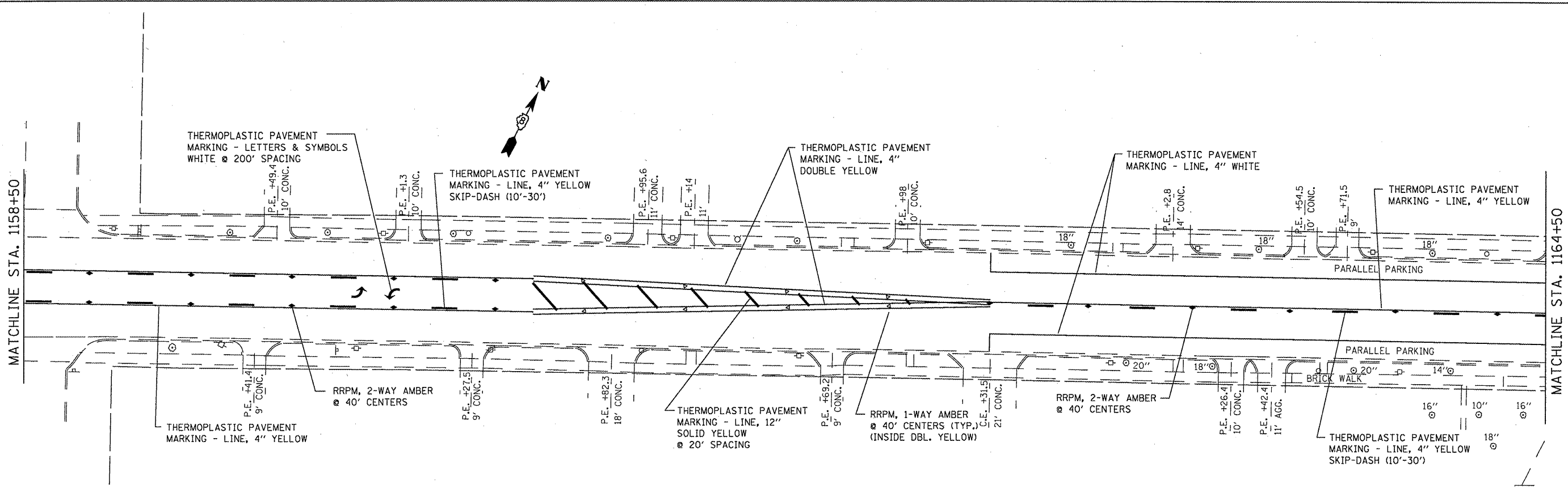
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	PLOT SCALE = #SCALE#	DRAWN -	REVISED -
	PLOT DATE = #DATE#	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SHEETS

SCALE: 1" = 20' SHEET NO. 4 OF 9 SHEETS STA. 1147+00 TO STA. 1159+00

F.A.P. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	29
CONTRACT NO. 76E12				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
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	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

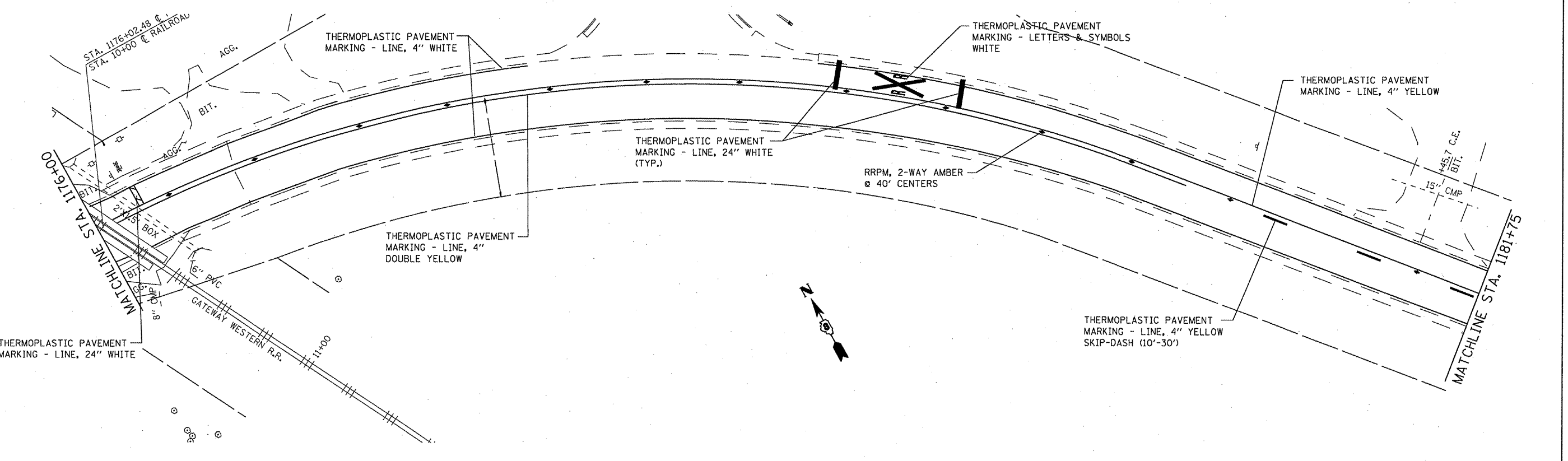
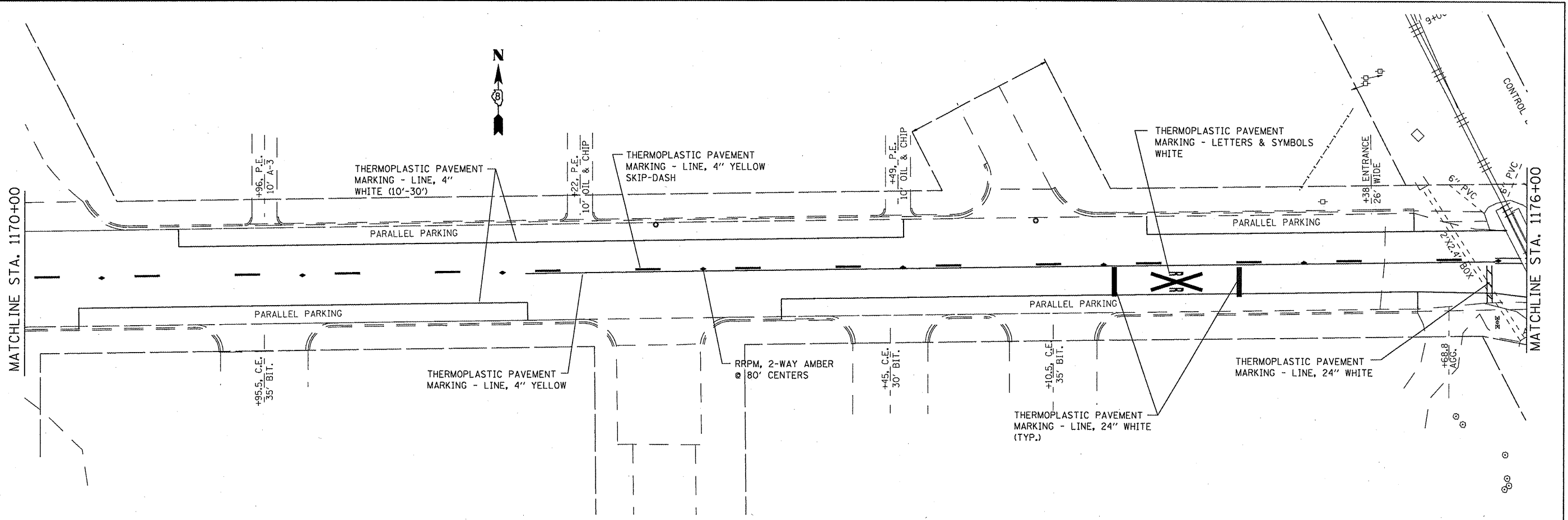
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SHEETS

SCALE: 1" = 20' SHEET NO. 5 OF 9 SHEETS STA. 1159+00 TO STA. 1170+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	30
CONTRACT NO. 76E12				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



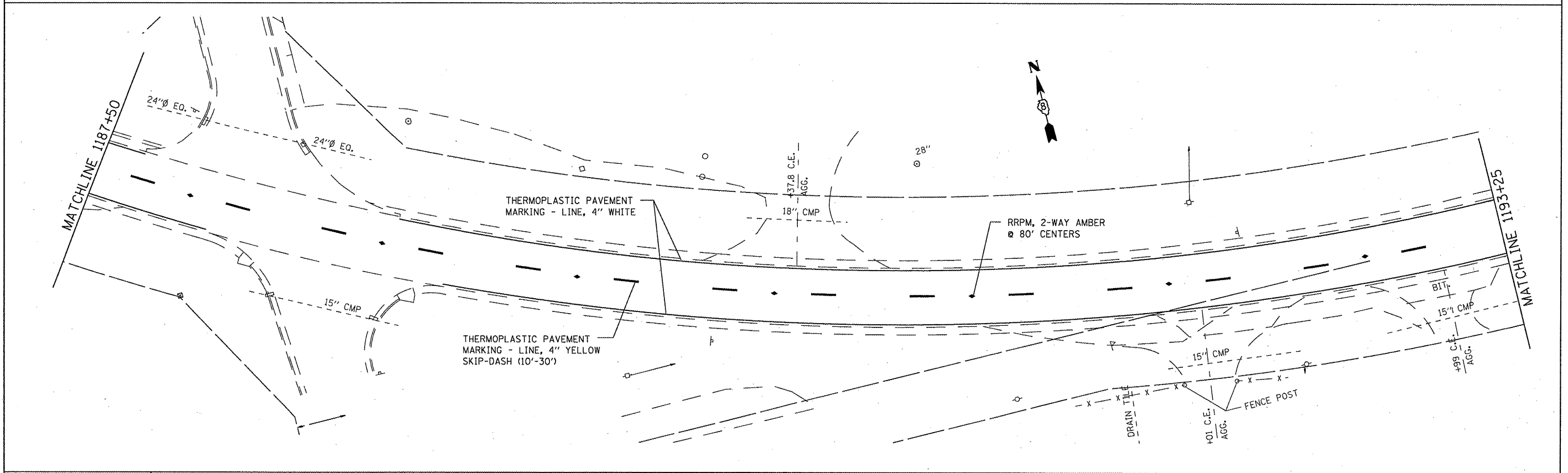
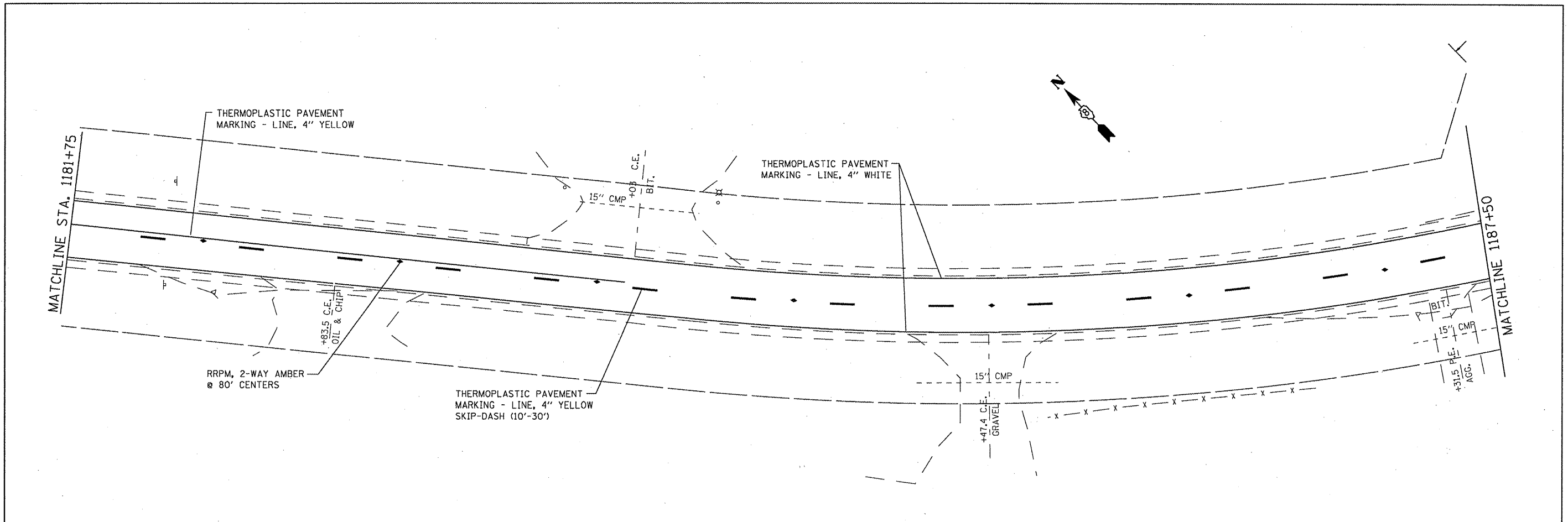
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	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

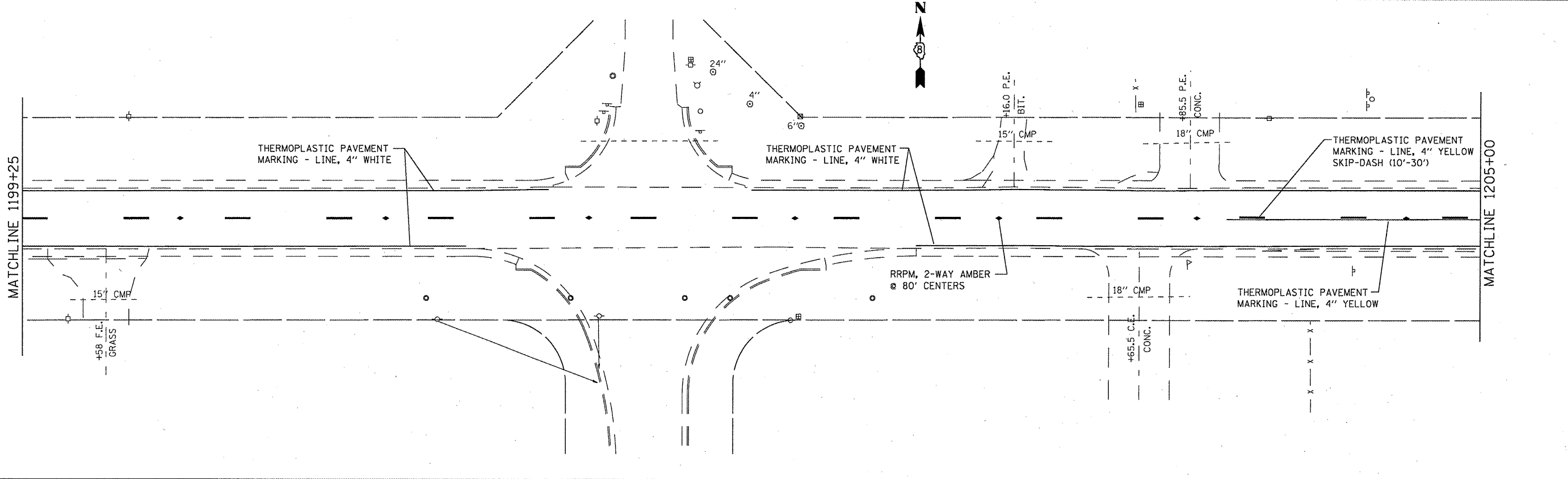
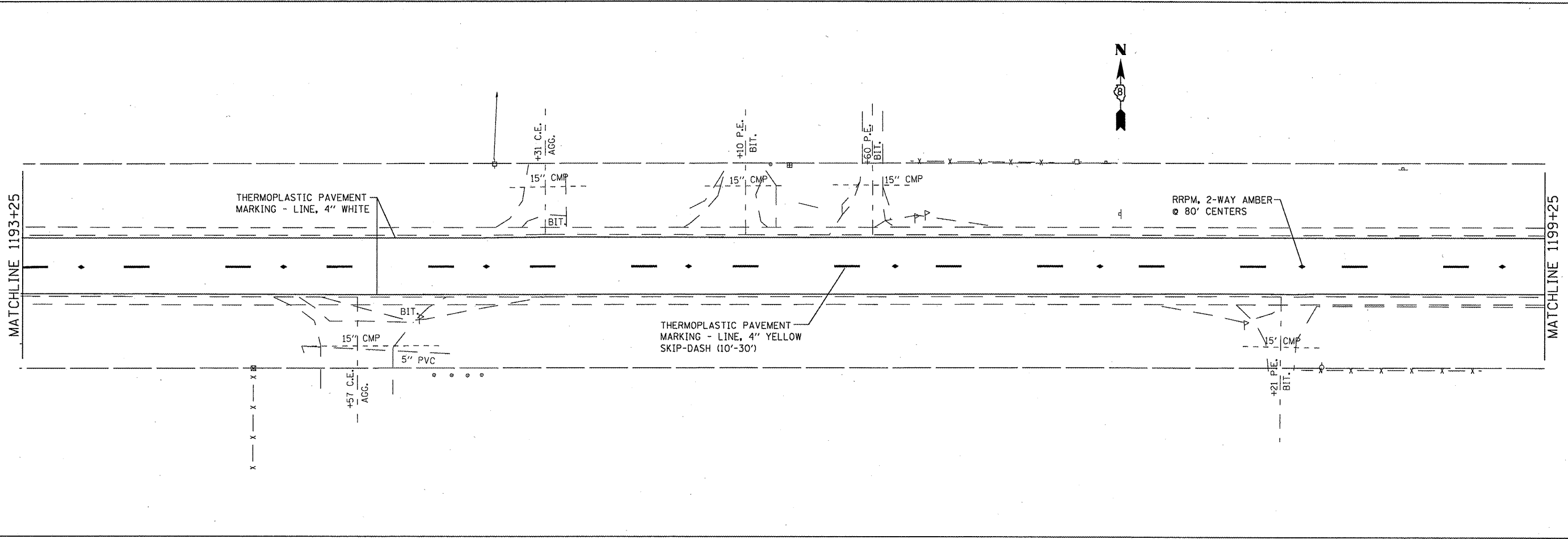
PAVEMENT MARKING SHEETS

SCALE: 1" = 20' SHEET NO. 6 OF 9 SHEETS STA. 1170+00 TO STA. 1181+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	5TRS-2	JERSEY	37	31
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E12	

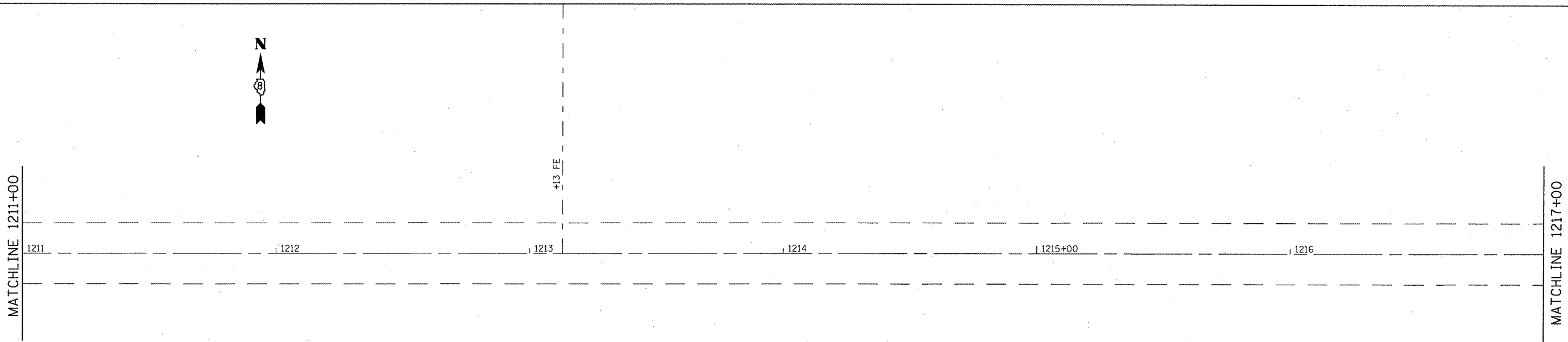
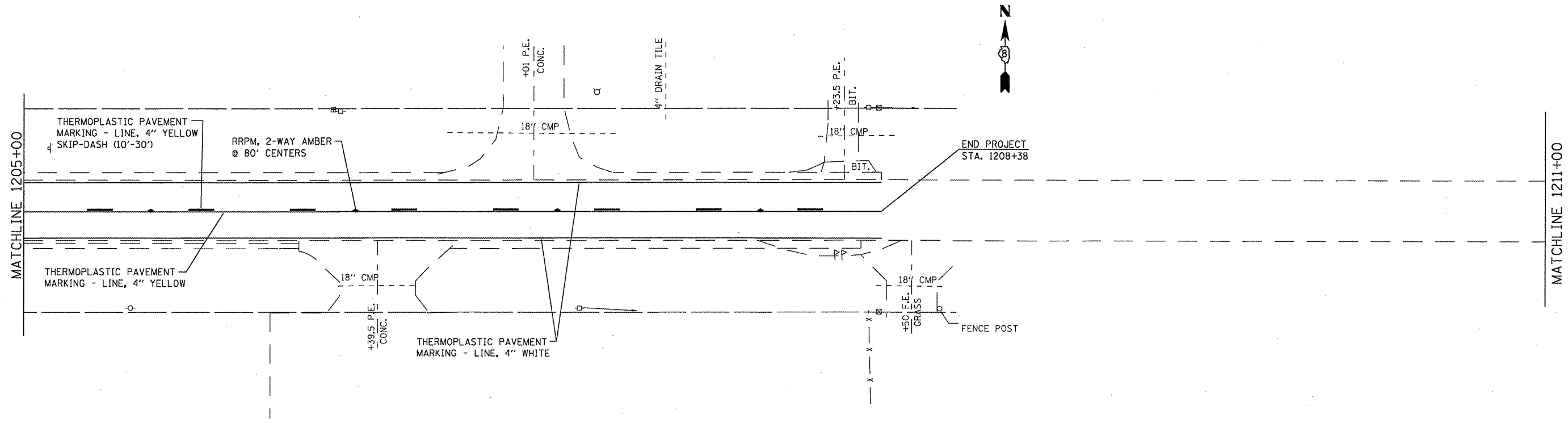


FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET	
#FILEL#		DRAWN -	REVISED -				325	57RS-2	JERSEY	37	32
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: 1" = 20'		SHEET NO. 7 OF 9 SHEETS		STA. 1181+75 TO STA. 1193+25	CONTRACT NO. 76E12	
	PLOT DATE = #DATE#	DATE -	REVISED -		FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT						



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			325	57RS-2	JERSEY	37	33	
	PLOT DATE = #DATE#	CHECKED -	REVISED -			CONTRACT NO. 76E12					
		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

SCALE: 1" = 20' SHEET NO. 8 OF 9 SHEETS STA. 1193+25 TO STA. 1205+00



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

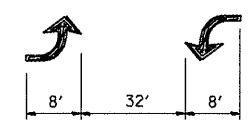
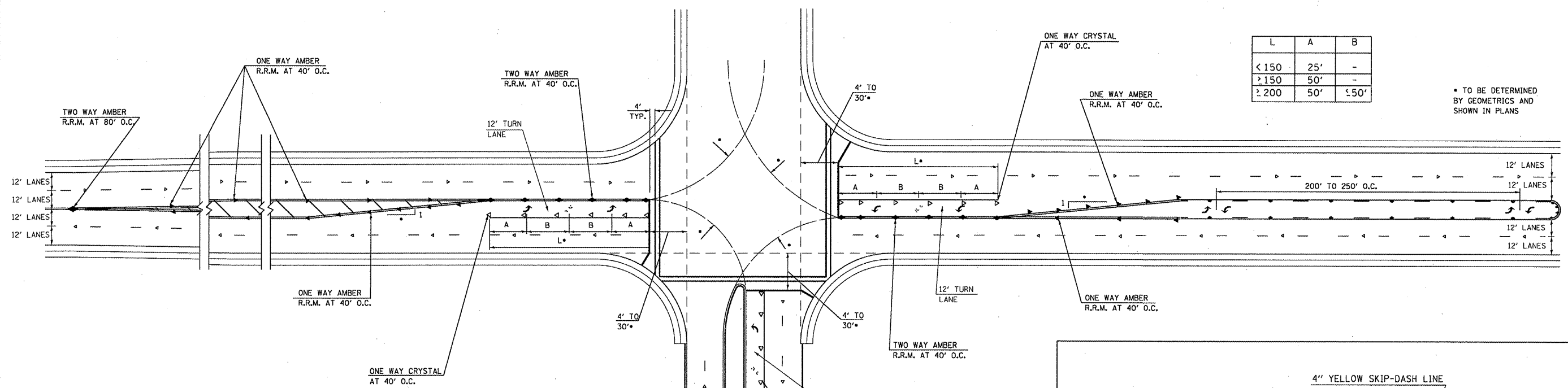
PAVEMENT MARKING SHEETS

SCALE: 1" = 20' SHEET NO. 9 OF 9 SHEETS STA. 1205+00 TO STA. 1217+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	34
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76E12	

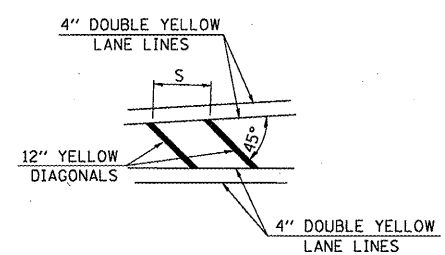
L	A	B
< 150	25'	-
> 150	50'	-
≥ 200	50'	± 50'

* TO BE DETERMINED BY GEOMETRICS AND SHOWN IN PLANS

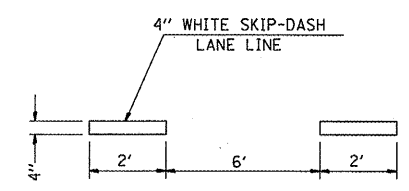


BI-DIRECTIONAL TURN ARROW @ 200' O. C.

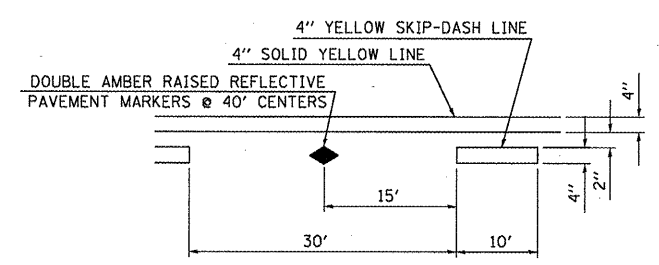
SPEED	CHANNELIZATION & GORES	OBJECTS	CONTINUOUS
< 30 MPH	15'	10'	50'
30-45 MPH	20'	15'	75'
> 45 MPH	30'	20'	150'



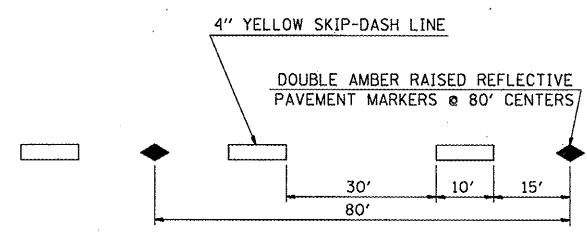
TYPICAL APPLICATION FOR MEDIAN STRIPING



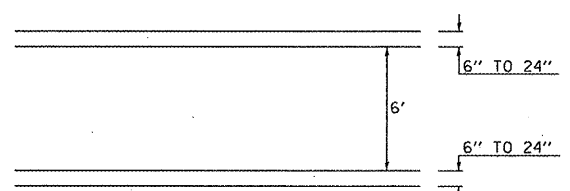
TYPICAL APPLICATION FOR WHITE SKIP-DASH LANE LINES (ABBREVIATED)



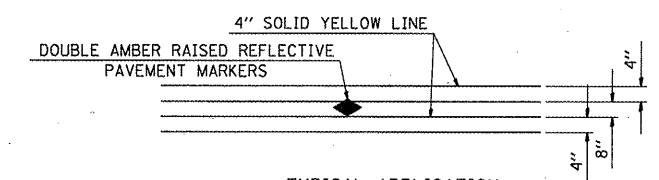
TYPICAL APPLICATION FOR BI-DIRECTIONAL TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR YELLOW SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR PEDESTRIAN CROSSWALK



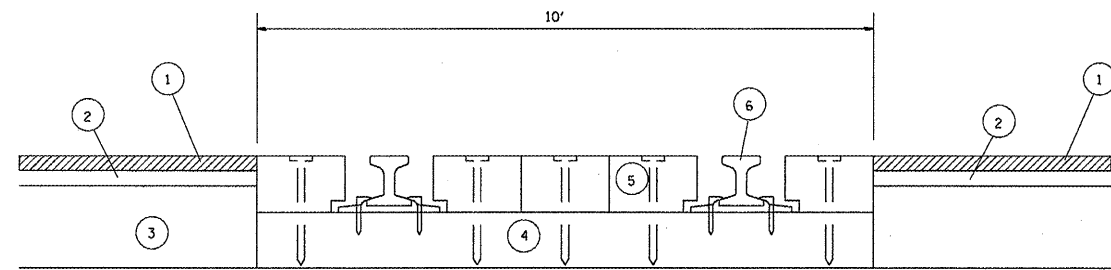
TYPICAL APPLICATION FOR DOUBLE YELLOW LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

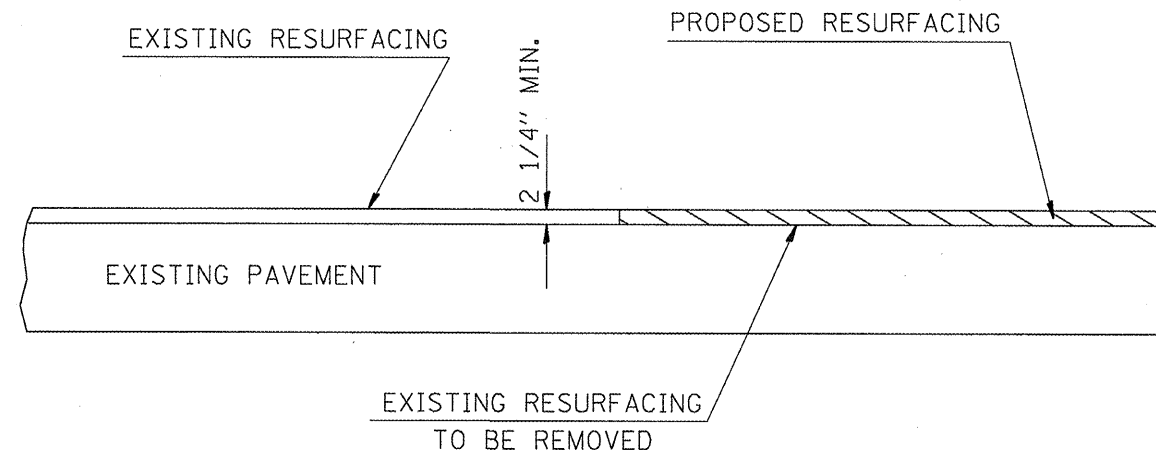
PAVEMENT MARKING DETAILS		
SCALE: _____	SHEET NO. 1 OF 1 SHEETS	STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	57RS-2	JERSEY	37	35
CONTRACT NO. 76E12				
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				



JOINTS @ RAILROAD

- ① PROPOSED 2 1/4" MILLING AND BITUMINOUS RESURFACING
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING PAVEMENT
- ④ EXISTING RR TIES
- ⑤ EXISTING RR PLANKS
- ⑥ EXISTING RAIL



JOINT @ BEGINNING & END OF PROJECT

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL#		DRAWN - ---	REVISED - ---			325	57RS-2	JERSEY	37	36
		CHECKED - ---	REVISED - ---			CONTRACT NO. 76E12				
		DATE - ---	REVISED - ---	SCALE: -----	SHEET NO. 2 OF 2 SHEETS	STA. -----	TO STA. -----	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "ELECTRICAL DETAIL" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

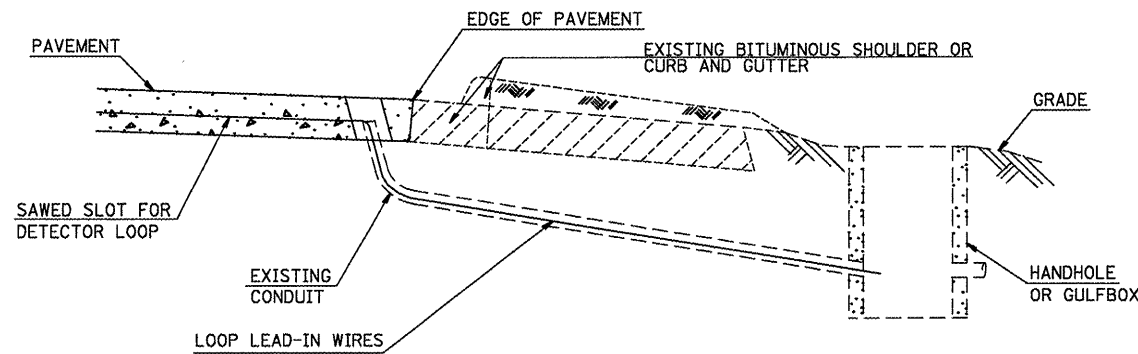
DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 16 AND IL 267

LOOP	PHASE (Ø)	LOOP SIZE (FT X FT)	REQUIRED * OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. NEB LT CD	3	6 X 50-Q	3-6-3	811.1	2.2
2. NEB THRU CD	8	6 X 50-Q	3-6-3	808.7	2.1
3. NWB LT CD	1	NA	NA	NA	NA
4. NWB THRU CD	6	NA	NA	NA	NA
5. NWB THRU CD	6	NA	NA	NA	NA
6. SWB LT CD	7	6 X 50-Q	3-6-3	812.4	2.2
7. SWB THRU CD	4	6 X 50-Q	3-6-3	809.8	2.1
8. SEB LT CD	5	NA	NA	NA	NA
9. SEB THRU CD	2	NA	NA	NA	NA
10. SEB THRU CD	2	NA	NA	NA	NA

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES
CODE NO	ITEM	UNIT	
80300100	LOCATING UNDERGROUND CABLE	FOOT	20
88600600	DETECTOR LOOP REPLACEMENT	FOOT	714



DETAIL A
(NO SCALE)
INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

TRAFFIC SIGNALS LEGEND

- ☐ EX. HANDHOLE
- ⊠ EX. DETECTOR LOOP
- ⊞ EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- ▬ PROPOSED DETECTOR LOOP

