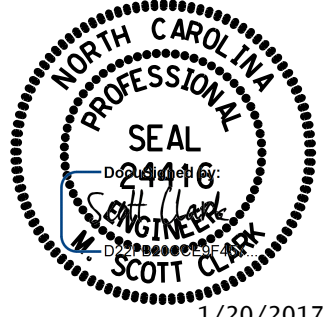


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PROJECT REFERENCE NO.	SHEET NO.
U-4910B	PMP-1
APPROVED: _____	
DATE: _____	
SEAL	
	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
CABARRUS COUNTY**

LOCATION: DERITA ROAD (SR 1445) FROM AVIATION BLVD TO POPLAR TENT ROAD (SR 1394)

T.I.P.: U-4910B

INDEX

SHEET NO.	DESCRIPTION
PMP-1	PAVEMENT MARKING PLAN TITLE SHEET
PMP-2	PAVEMENT MARKING LEGEND, SCHEDULE, AND DETAILS
PMP-3	CROSSWALK PAVEMENT MARKING GUIDANCE DETAIL
PMP-4 THRU PMP-10	PAVEMENT MARKING PLAN SHEETS
PMP-11	STOP BAR AND CROSSWALK LOCATIONS FOR SIGNALIZED INTERSECTION

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
ALL ROADS	THERMOPLASTIC	RAISED

- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) STOP BARS ARE TO BE LOCATED A MIN OF 10 ft FROM THE EDGE OF TRAVEL UNLESS INTERSECTION IS SIGNALIZED OR AS DIRECTED BY THE ENGINEER.
- E) RAISED MARKERS ARE TO BE USED FOR THIS PROJECT AND SPACED ACCORDING TO THE NCDOT ROADWAY STANDARD DRAWINGS.

F) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

ROADWAY STANDARD DRAWING

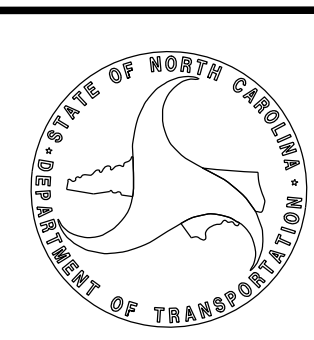
THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTILANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

CONTRACT:

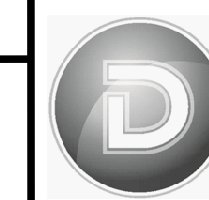
PLAN REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

Kelvin L. Jordan SIGNING & DELINEATION REGIONAL ENGINEER
Jonrobert N. Navarrete SIGNING & DELINEATION PROJECT DESIGN ENGINEER



PLAN PREPARED BY: DAVENPORT

M. Scott Clark, PE PROJECT DESIGN ENGINEER



DAVENPORT
TRANSPORTATION CONSULTING
 HOME OFFICE:
 335 WEST FOURTH STREET, SUITE 2A
 WINSTON-SALEM, NC 27101
 336.744.9338 www.davenportnc.com
 NCEES FIRM LICENSE NO. C-2322

PAVEMENT MARKING SCHEDULE

PAVEMENT MARKING LINES

-----THERMOPLASTIC (4", 90 MIL)
TA - WHITE EDGELINE
TB - YELLOW EDGELINE

-----THERMOPLASTIC (4", 120 MIL)
T8 - 2' - 6' WHITE MINI -SKIP
T9 - 2' - 6' YELLOW MINI -SKIP
TC - 10FT. WHITE SKIP
TD - 3' - 9' WHITE MINI-SKIP
TE - WHITE SOLID LANE LINE
TI - YELLOW DOUBLE CENTER

-----THERMOPLASTIC (8", 90 MIL)
TN - WHITE GORELINE

----- THERMOPLASTIC (8", 120 MIL)
TQ - WHITE CROSSWALK LINE

----- THERMOPLASTIC (12", 90 MIL)
TU - WHITE DIAGONAL






-----THERMOPLASTIC (12", 120 MIL)
TT - WHITE SOLID LANE LINE

T14 - 3' - 9' WHITE MINI-SKIP

-----THERMOPLASTIC (24", 120 MIL)
T2 - WHITE STOPBAR

PAVEMENT MARKING SYMBOLS

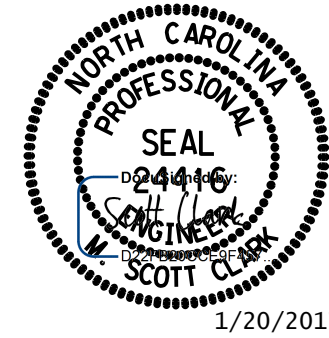
----- THERMOPLASTIC SYMBOLS (90 MIL)

-  UA - LEFT TURN ARROW
-  UB - RIGHT TURN ARROW
-  UC - STRIAGHT ARROW
-  UE - COMBINATION STRAIGHT & RIGHT TURN ARROW
-  UJ - UTURN ARROW

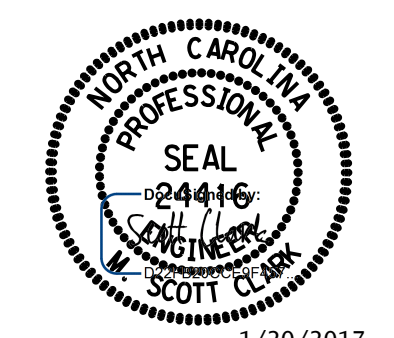
----- THERMOPLASTIC SYMBOLS (120 MIL)

UI - ALPHANUMERIC CHAR.

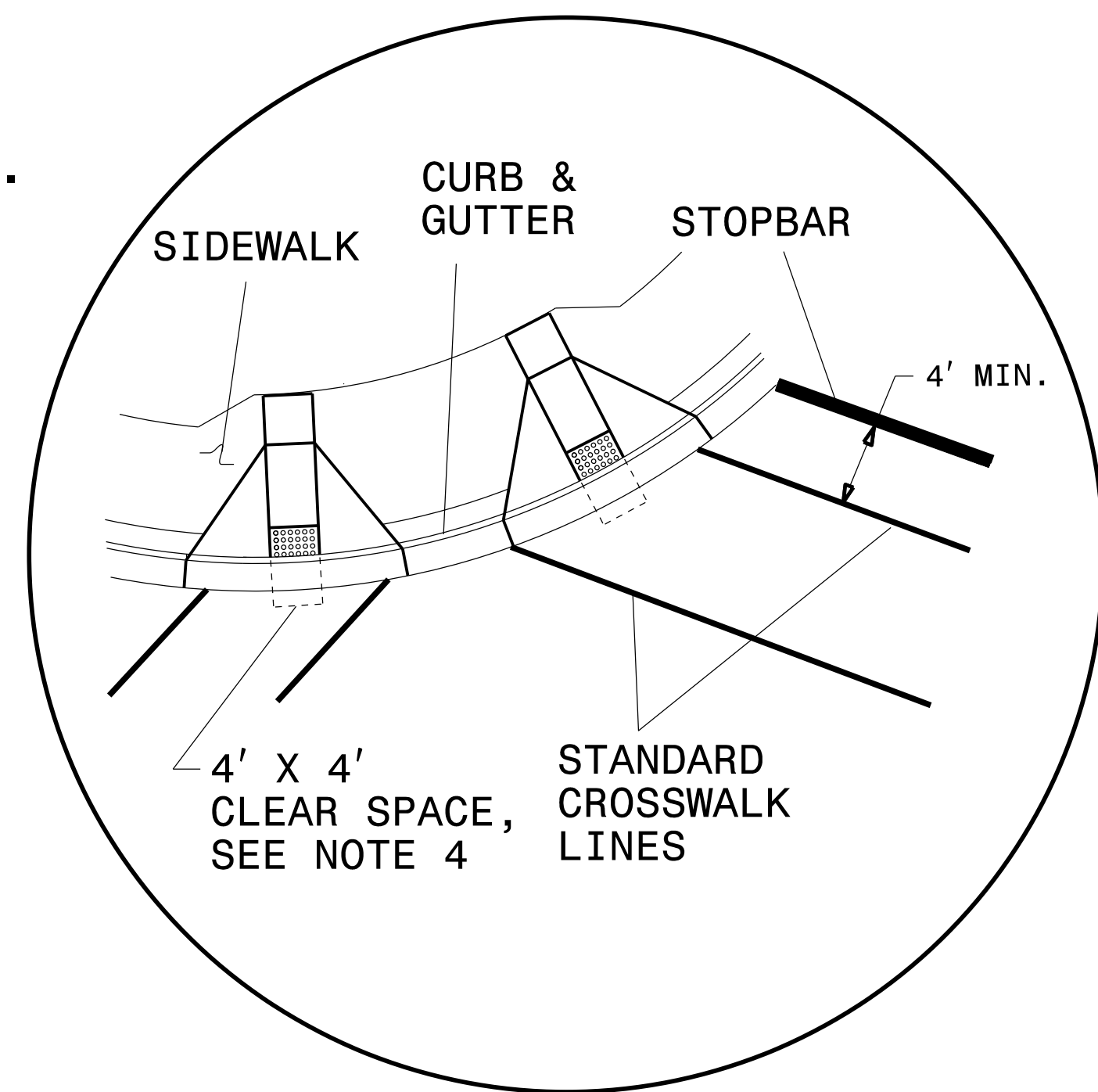
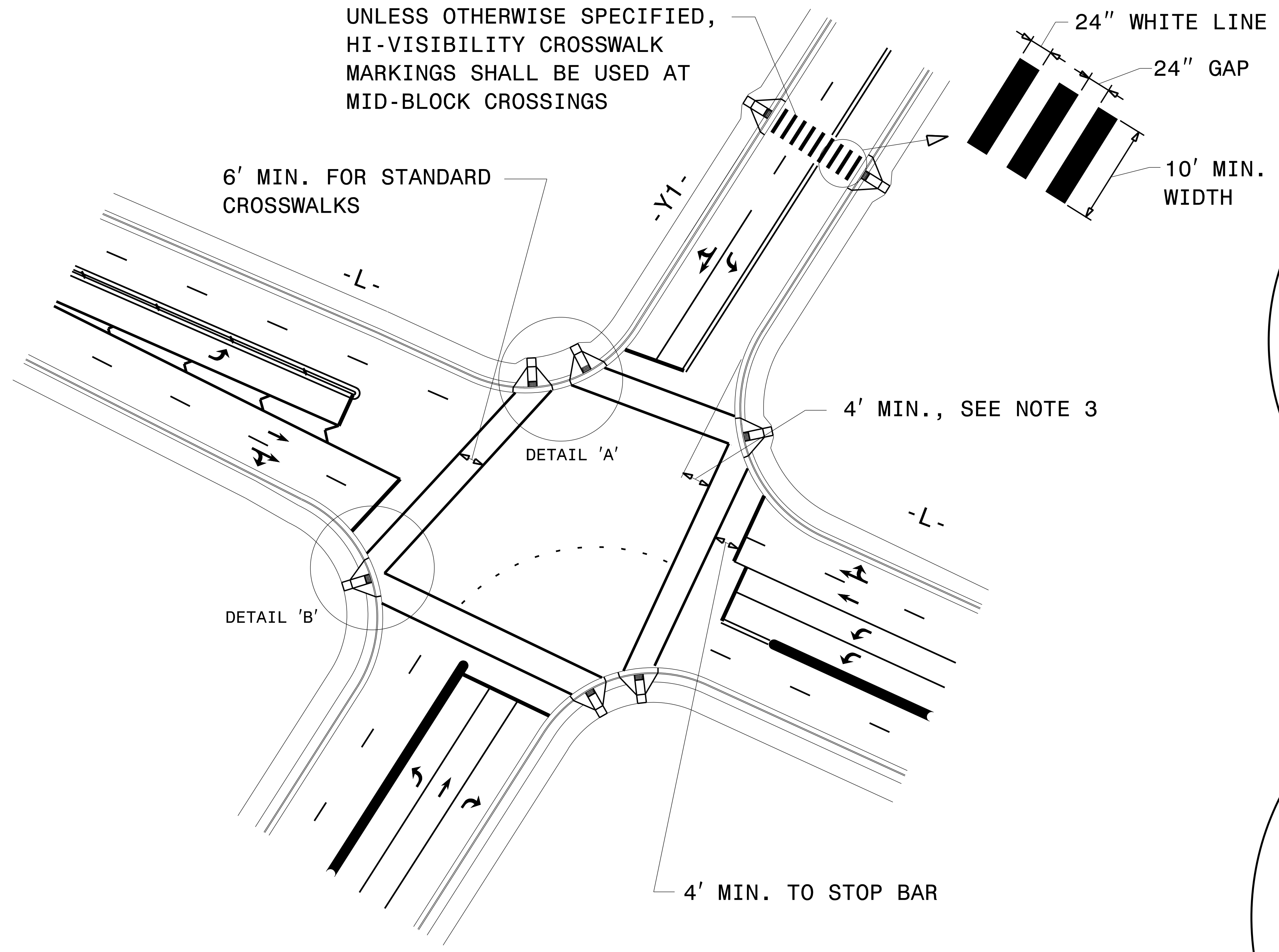
PROJECT REFERENCE NO.	SHEET NO.
U-4910B	PMP-2
APPROVED: _____	
DATE: _____	
SEAL	



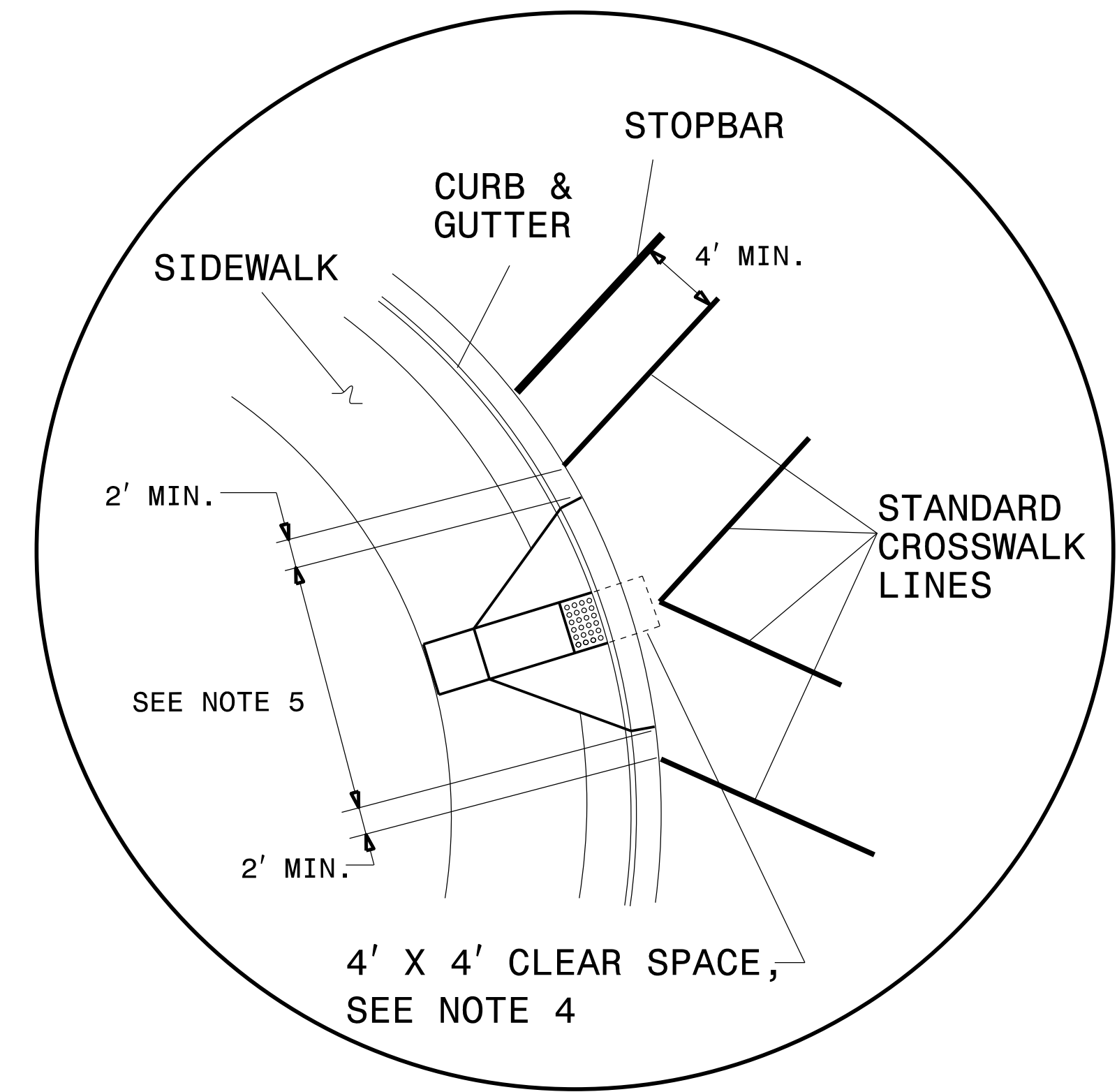
1/20/2017

PROJECT REFERENCE NO. U-4910B	SHEET NO. PMP-3
APPROVED: _____	
DATE: _____	
SEAL	
	

UNLESS OTHERWISE SPECIFIED,
HI-VISIBILITY CROSSWALK
MARKINGS SHALL BE USED AT
MID-BLOCK CROSSINGS



DETAIL 'A'- DUAL CURB RAMPS



DETAIL 'B'- SINGLE DIAGONAL CURB RAMP

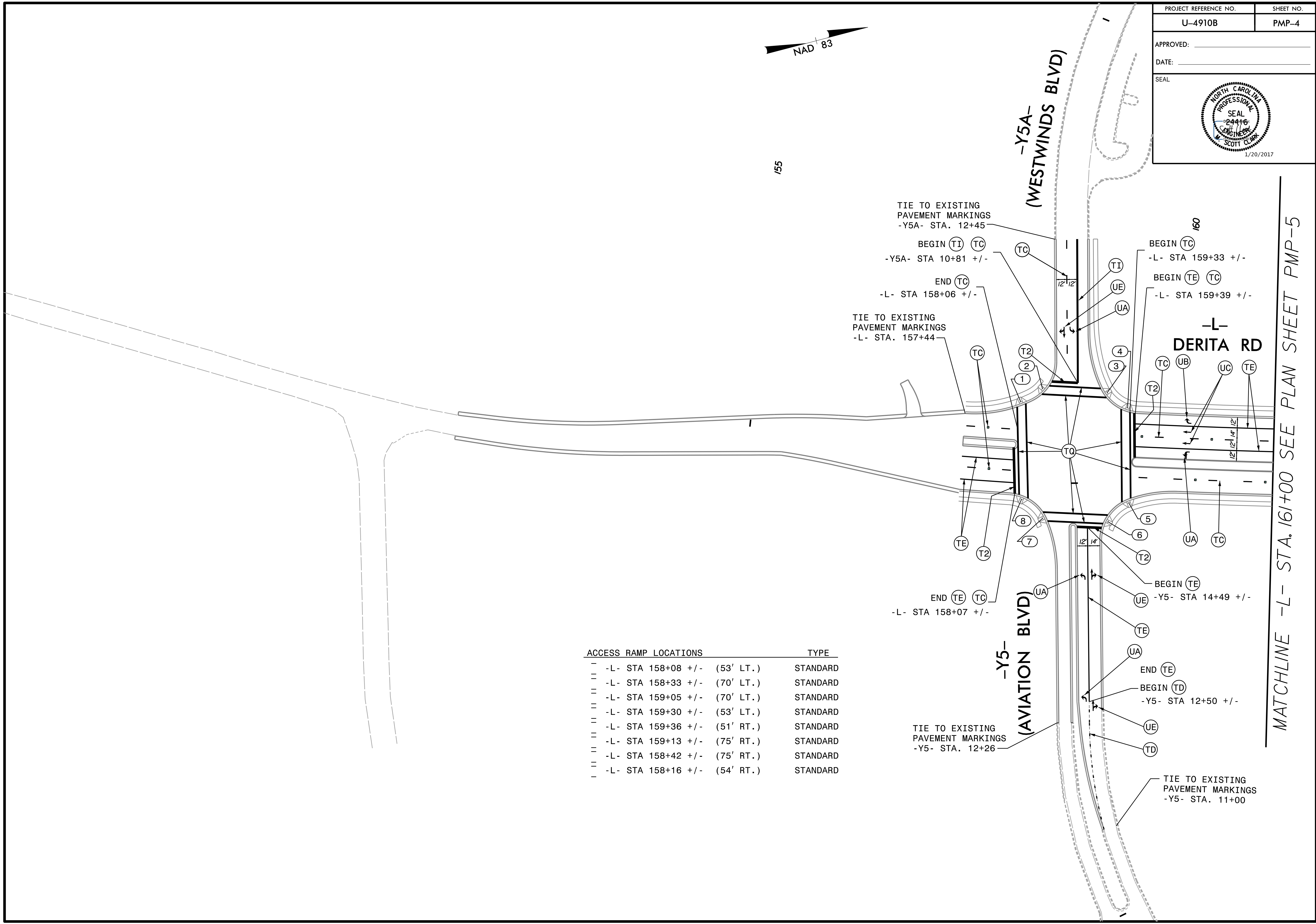
GUIDANCE DETAIL FOR CROSSWALK MARKINGS

NOTES:

1. USE THE DETAILS ABOVE AND THE FOLLOWING NOTES FOR GUIDANCE IN PLACING CROSSWALK MARKINGS NOT STATIONED ON THE DETAIL SHEETS OR WHEN FIELD ADJUSTMENTS REQUIRED MOVING STATIONED MARKINGS AS DIRECTED BY THE ENGINEER. REFER TO NCDOT ROADWAY STANDARD DRAWINGS, MUTCD AND ADA STANDARDS FOR ADDITIONAL GUIDANCE.
2. THE CROSSWALK MARKINGS SHOWN ON THE ABOVE DETAILS ARE FOR REFERENCE ONLY. ONLY INSTALL CROSSWALK MARKINGS WHERE SHOWN ON THE DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER. THE CROSSWALK MARKING TYPE, STANDARD OR HI-VISIBILITY, SHALL BE INSTALL AS SPECIFIED ON THE DETAIL SHEETS OR AS DIRECTED BY THE ENGINEER.
3. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL IS 4' MIN.
4. BEYOND THE BOTTOM GRADE BRAKE, A CLEAR SPACE OF 4' X 4' MINIMUM SHALL BE PROVIDED WITHIN THE MARKINGS.
5. SINGLE DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 2 FEET LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING, SEE DETAIL 'B'.
6. CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE TO THE LATEST NCDOT ROADWAY STANDARD DRAWINGS.

**CROSSWALK PAVEMENT MARKING
GUIDANCE DETAIL**

PROJECT REFERENCE NO.	SHEET NO.
U-4910B	PMP-4
APPROVED: _____	
DATE: _____	
SEAL	



TIE TO EXISTING PAVEMENT MARKINGS
-Y5A- STA. 12+45

BEGIN (TI) (TC)
-Y5A- STA 10+81 +/-

END (TC)
-L- STA 158+06 +/-

TIE TO EXISTING PAVEMENT MARKINGS
-L- STA. 157+44

BEGIN (TC)
-L- STA 159+33 +/-

BEGIN (TE) (TC)
-L- STA 159+39 +/-

-L-
DERITA RD

END (TE) (TC)
-L- STA 158+07 +/-

BEGIN (TE)
-Y5- STA 14+49 +/-

END (TE)
BEGIN (TD)
-Y5- STA 12+50 +/-

TIE TO EXISTING PAVEMENT MARKINGS
-Y5- STA. 12+26

TIE TO EXISTING PAVEMENT MARKINGS
-Y5- STA. 11+00

ACCESS RAMP LOCATIONS	TYPE
-L- STA 158+08 +/- (53' LT.)	STANDARD
-L- STA 158+33 +/- (70' LT.)	STANDARD
-L- STA 159+05 +/- (70' LT.)	STANDARD
-L- STA 159+30 +/- (53' LT.)	STANDARD
-L- STA 159+36 +/- (51' RT.)	STANDARD
-L- STA 159+13 +/- (75' RT.)	STANDARD
-L- STA 158+42 +/- (75' RT.)	STANDARD
-L- STA 158+16 +/- (54' RT.)	STANDARD

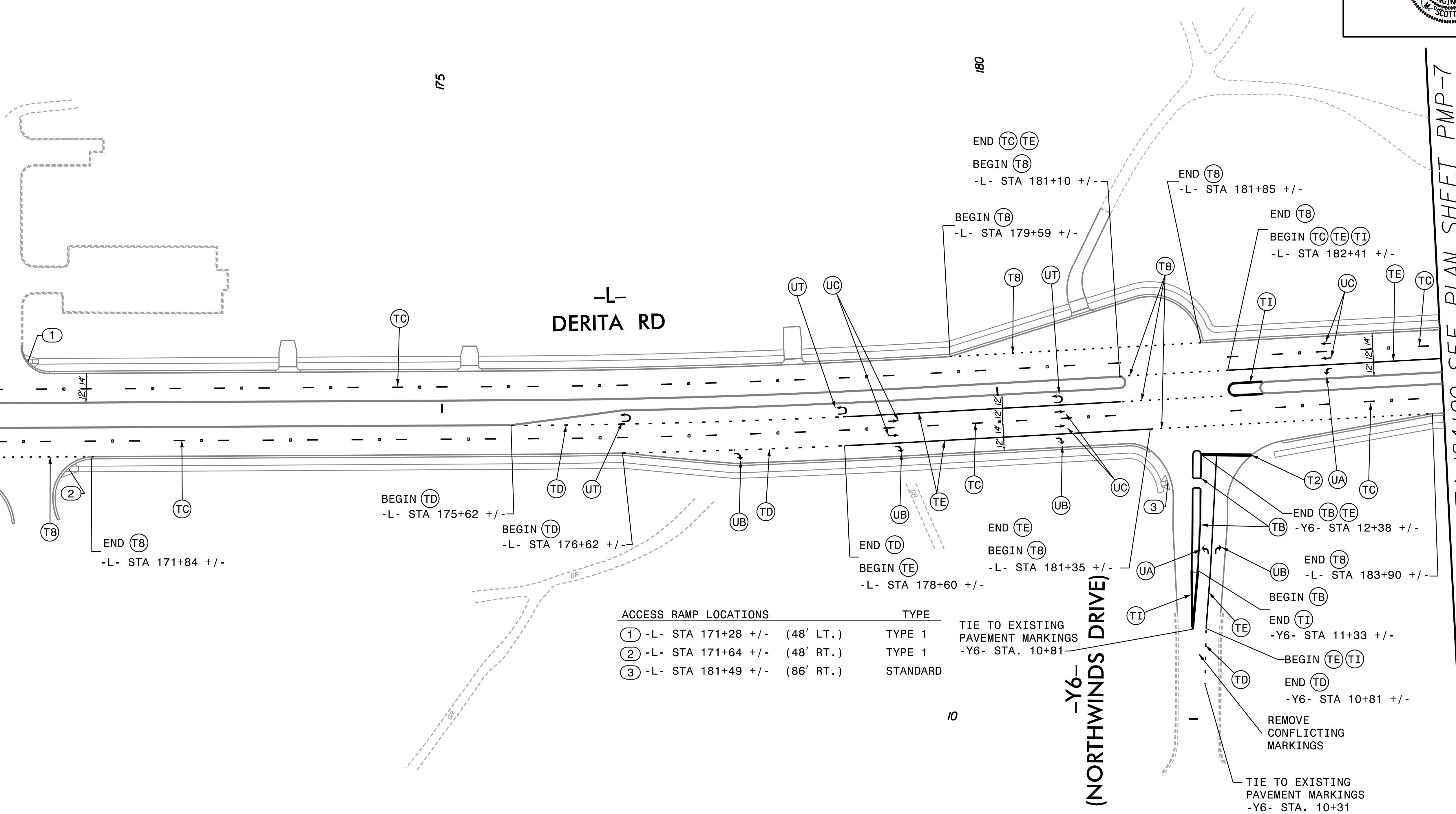
MATCHLINE -L- STA. 161+00 SEE PLAN SHEET PMP-5

PROJECT REFERENCE NO.	SHEET NO.
U-4910B	PMP-6
APPROVED: _____	
DATE: _____	
SEAL	



MATCHLINE -L- STA. 171+00 SEE PLAN SHEET PMP-5

MATCHLINE -L- STA. 184+00 SEE PLAN SHEET PMP-7



ACCESS RAMP LOCATIONS	TYPE
① -L- STA 171+28 +/- (48' LT.)	TYPE 1
② -L- STA 171+64 +/- (48' RT.)	TYPE 1
③ -L- STA 181+49 +/- (86' RT.)	STANDARD

TIE TO EXISTING PAVEMENT MARKINGS
-Y6- STA. 10+81

TIE TO EXISTING PAVEMENT MARKINGS
-Y6- STA. 10+31

REMOVE CONFLICTING MARKINGS

75

180

END (TC) (TE)
BEGIN (T8)
-L- STA 181+10 +/-

BEGIN (T8)
-L- STA 179+59 +/-

END (T8)
-L- STA 181+85 +/-

END (T8)
BEGIN (TC) (TE) (TI)
-L- STA 182+41 +/-

BEGIN (TD)
-L- STA 175+62 +/-

BEGIN (TD)
-L- STA 176+62 +/-

END (TE)
BEGIN (T8)
-L- STA 181+35 +/-

END (TD)
BEGIN (TE)
-L- STA 178+60 +/-

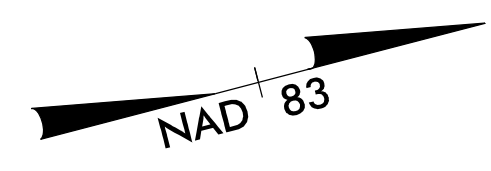
END (TB) (TE)
-Y6- STA 12+38 +/-

END (T8)
-L- STA 183+90 +/-

BEGIN (TB)
END (TI)
-Y6- STA 11+33 +/-

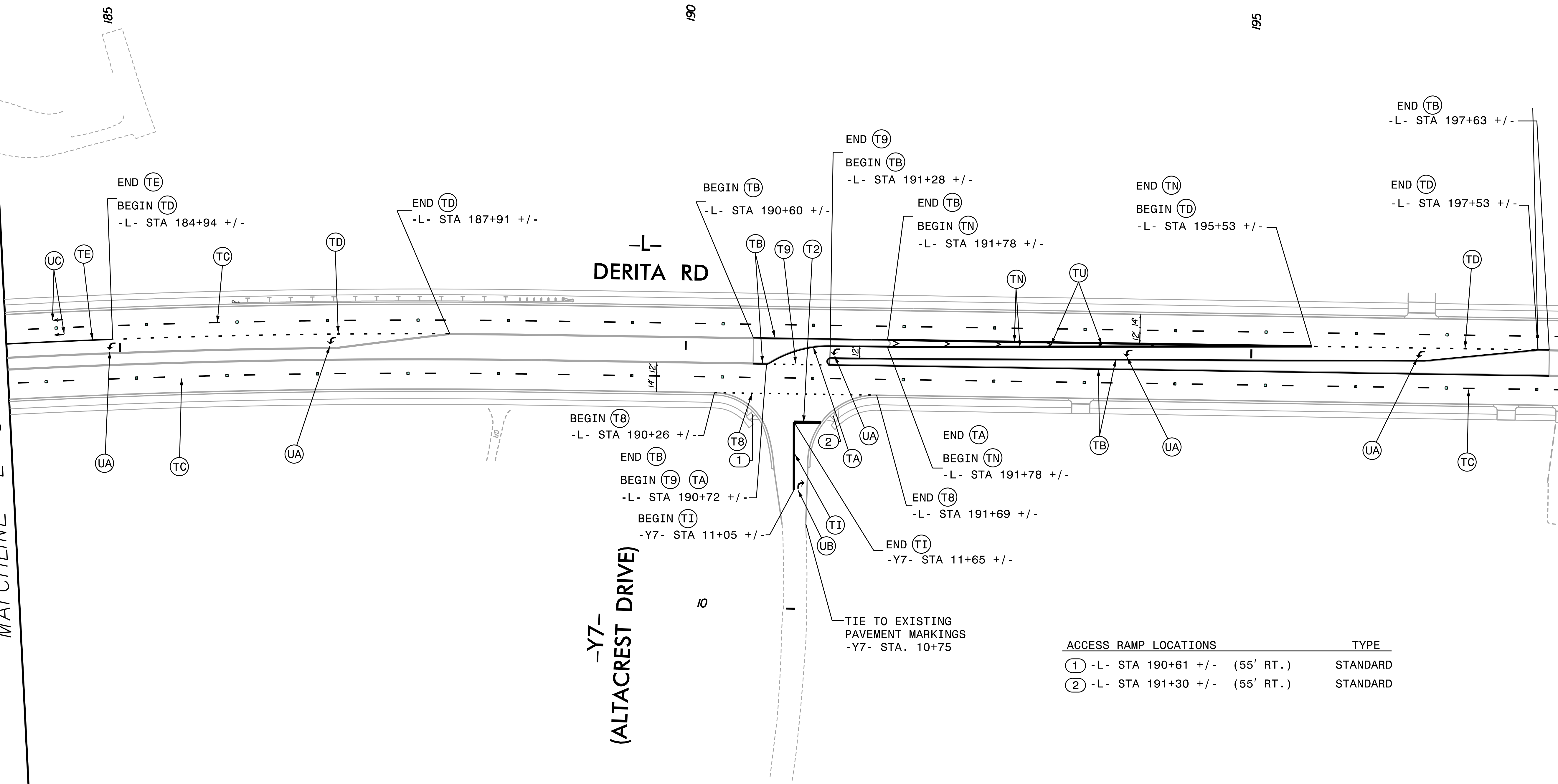
BEGIN (TE) (TI)
END (TD)
-Y6- STA 10+81 +/-

PROJECT REFERENCE NO.	SHEET NO.
U-4910B	PMP-7
APPROVED:	_____
DATE:	_____
SEAL	



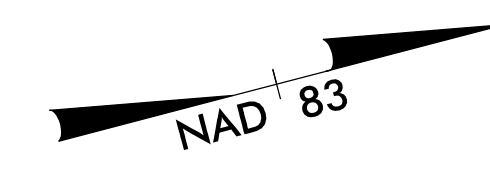
MATCHLINE -L- STA. 184+00 SEE PLAN SHEET PMP-6

MATCHLINE -L- STA. 198+00 SEE PLAN SHEET PMP-8



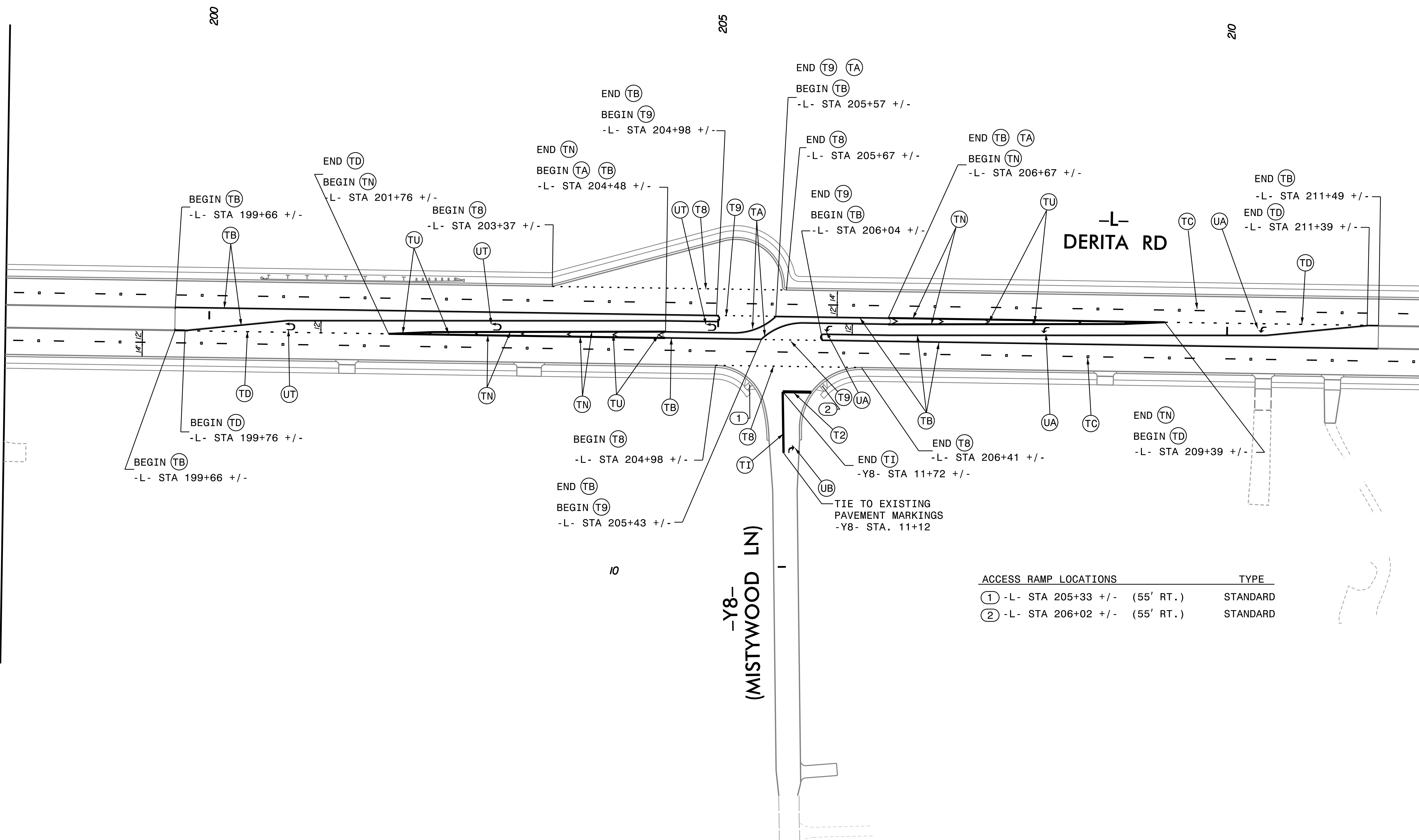
-Y7- (ALTACREST DRIVE)

PROJECT REFERENCE NO. U-4910B	SHEET NO. PMP-8
APPROVED: _____	
DATE: _____	
SEAL	



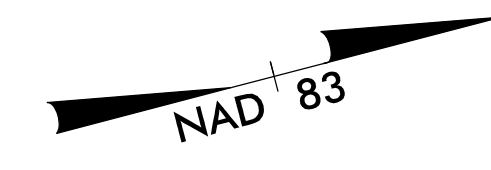
MATCHLINE -L- STA. 198+00 SEE PLAN SHEET PMP-7

MATCHLINE STA. 212+00 SEE PLAN SHEET PMP-9



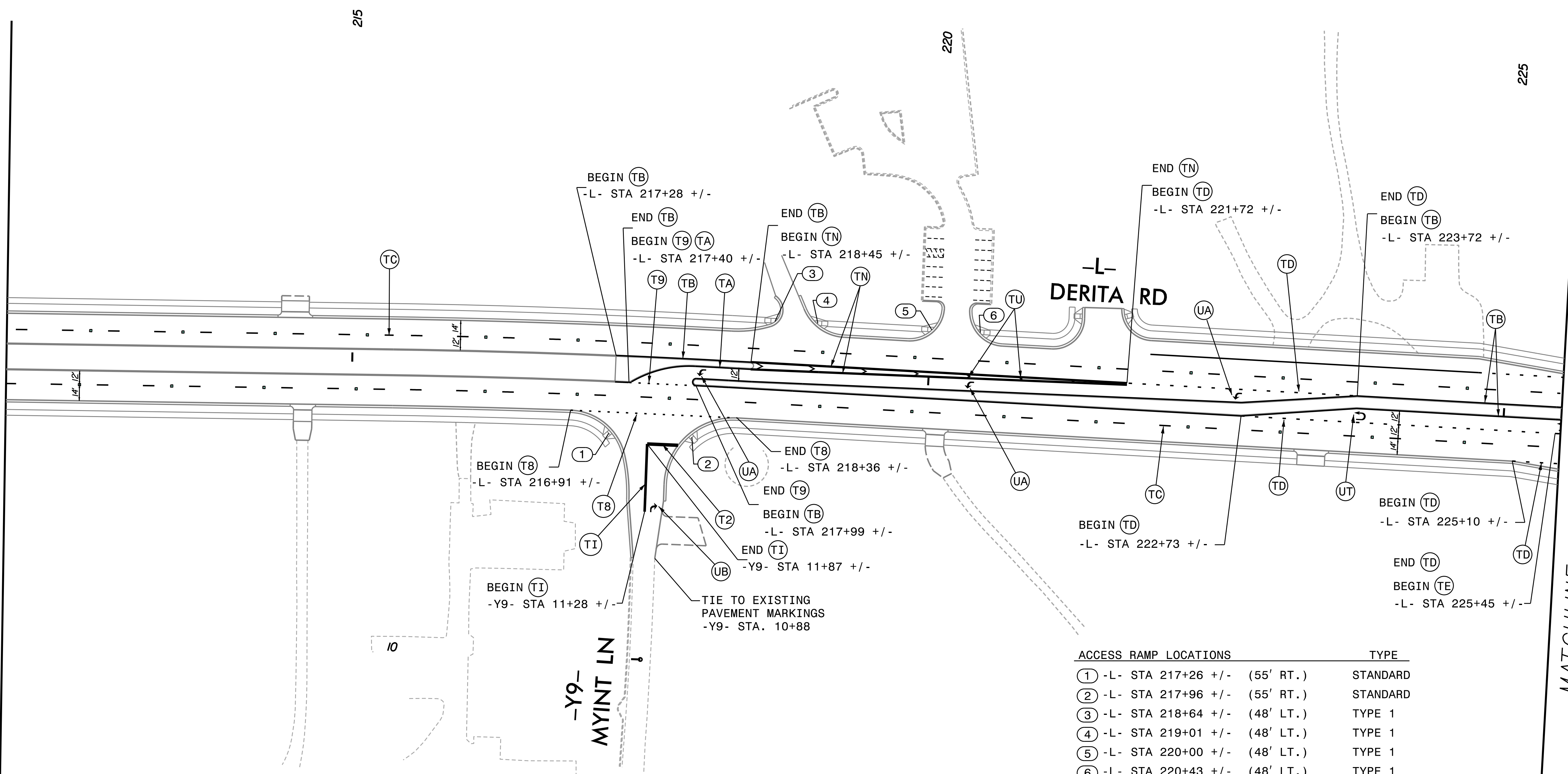
ACCESS RAMP LOCATIONS	TYPE
① -L- STA 205+33 +/- (55' RT.)	STANDARD
② -L- STA 206+02 +/- (55' RT.)	STANDARD

PROJECT REFERENCE NO.	SHEET NO.
U-4910B	PMP-9
APPROVED: _____	
DATE: _____	
SEAL	



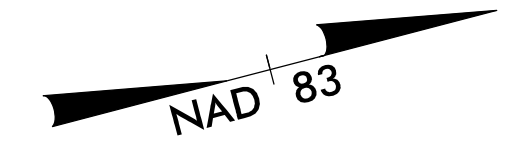
MATCHLINE -L- STA. 212+00 SEE PLAN SHEET PMP-8

MATCHLINE -L- STA. 225+50 SEE PLAN SHEET PMP-10

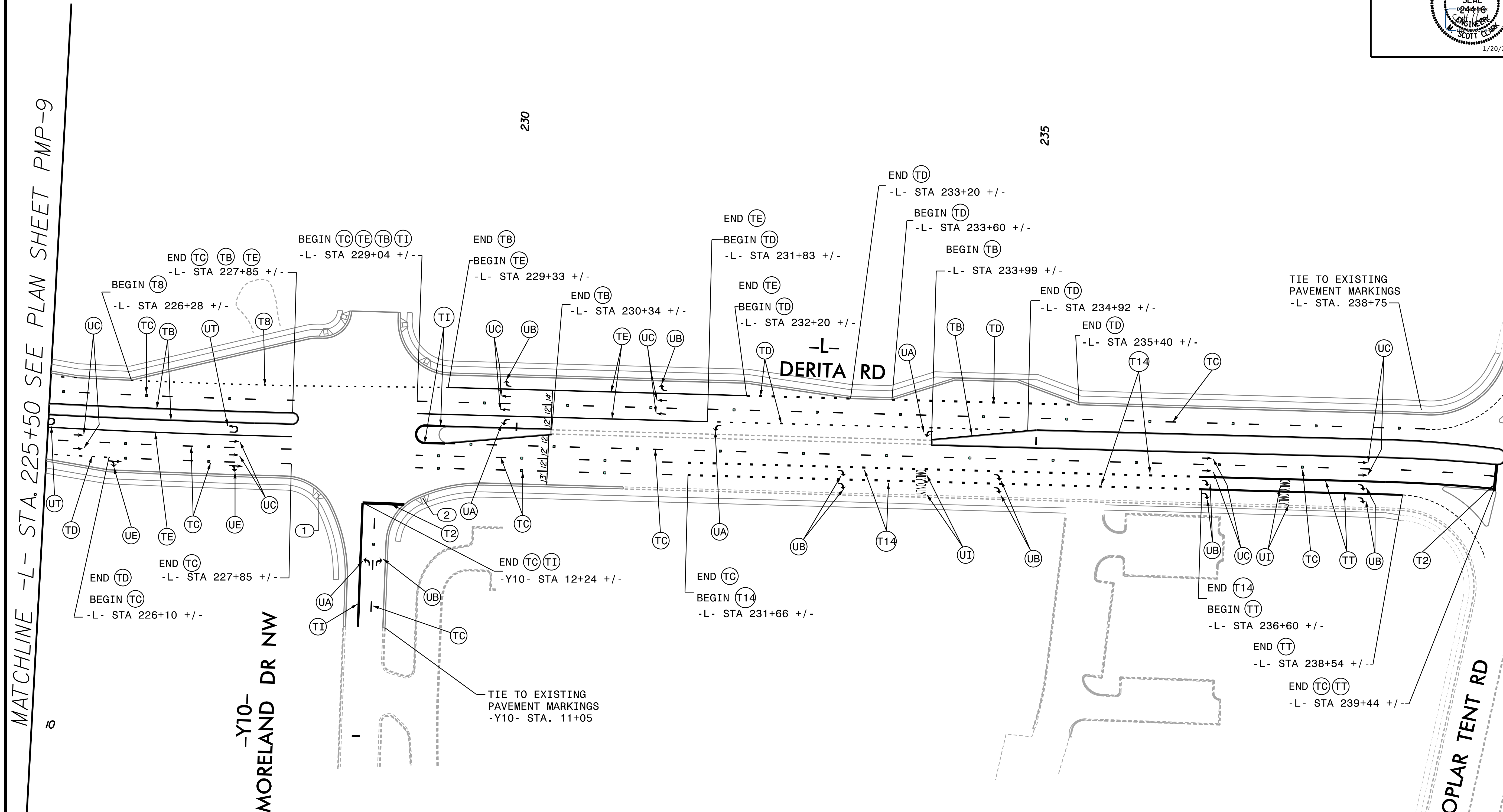


ACCESS RAMP LOCATIONS		TYPE
①	-L- STA 217+26 +/- (55' RT.)	STANDARD
②	-L- STA 217+96 +/- (55' RT.)	STANDARD
③	-L- STA 218+64 +/- (48' LT.)	TYPE 1
④	-L- STA 219+01 +/- (48' LT.)	TYPE 1
⑤	-L- STA 220+00 +/- (48' LT.)	TYPE 1
⑥	-L- STA 220+43 +/- (48' LT.)	TYPE 1

PROJECT REFERENCE NO.	SHEET NO.
U-4910B	PMP-10
APPROVED: _____	
DATE: _____	
SEAL	



MATCHLINE -L- STA. 225+50 SEE PLAN SHEET PMP-9




-Y10-
WESTMORELAND DR NW

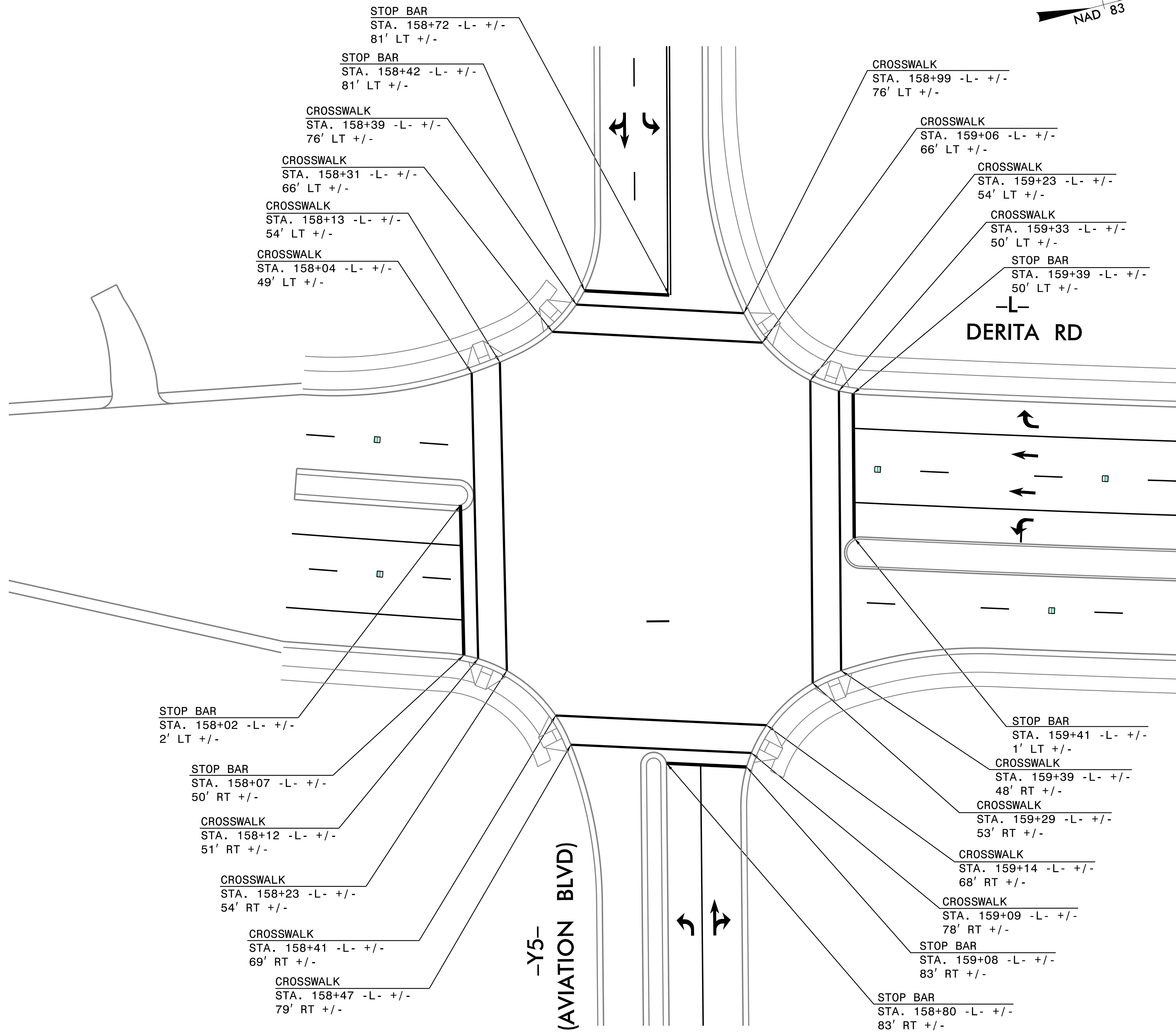
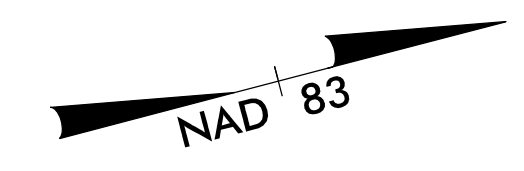
POPLAR TENT RD

TIE TO EXISTING
PAVEMENT MARKINGS
-Y10- STA. 11+05

TIE TO EXISTING
PAVEMENT MARKINGS
-L- STA. 238+75

ACCESS RAMP LOCATIONS	TYPE
① -L- STA 228+12 +/- (64' RT.)	STANDARD
② -L- STA 229+11 +/- (66' RT.)	STANDARD

PROJECT REFERENCE NO. U-4910B	SHEET NO. PMP-11
APPROVED: _____	
DATE: _____	
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STOP BAR
STA. 158+72 -L- +/-
81' LT +/-

STOP BAR
STA. 158+42 -L- +/-
81' LT +/-

CROSSWALK
STA. 158+39 -L- +/-
76' LT +/-

CROSSWALK
STA. 158+31 -L- +/-
66' LT +/-

CROSSWALK
STA. 158+13 -L- +/-
54' LT +/-

CROSSWALK
STA. 158+04 -L- +/-
49' LT +/-

CROSSWALK
STA. 158+99 -L- +/-
76' LT +/-

CROSSWALK
STA. 159+06 -L- +/-
66' LT +/-

CROSSWALK
STA. 159+23 -L- +/-
54' LT +/-

CROSSWALK
STA. 159+33 -L- +/-
50' LT +/-

STOP BAR
STA. 159+39 -L- +/-
50' LT +/-

-L-
DERITA RD

STOP BAR
STA. 158+02 -L- +/-
2' LT +/-

STOP BAR
STA. 158+07 -L- +/-
50' RT +/-

CROSSWALK
STA. 158+12 -L- +/-
51' RT +/-

CROSSWALK
STA. 158+23 -L- +/-
54' RT +/-

CROSSWALK
STA. 158+41 -L- +/-
69' RT +/-

CROSSWALK
STA. 158+47 -L- +/-
79' RT +/-

STOP BAR
STA. 159+41 -L- +/-
1' LT +/-

CROSSWALK
STA. 159+39 -L- +/-
48' RT +/-

CROSSWALK
STA. 159+29 -L- +/-
53' RT +/-

CROSSWALK
STA. 159+14 -L- +/-
68' RT +/-

CROSSWALK
STA. 159+09 -L- +/-
78' RT +/-

STOP BAR
STA. 159+08 -L- +/-
83' RT +/-

STOP BAR
STA. 158+80 -L- +/-
83' RT +/-

-Y5-
(AVIATION BLVD)

**STOP BAR & CROSSWALK LOCATIONS
FOR SIGNALIZED INTERSECTIONS**