

# SIDEWALK REPAIRS AND PAVEMENT MARKING REFURBISHMENT

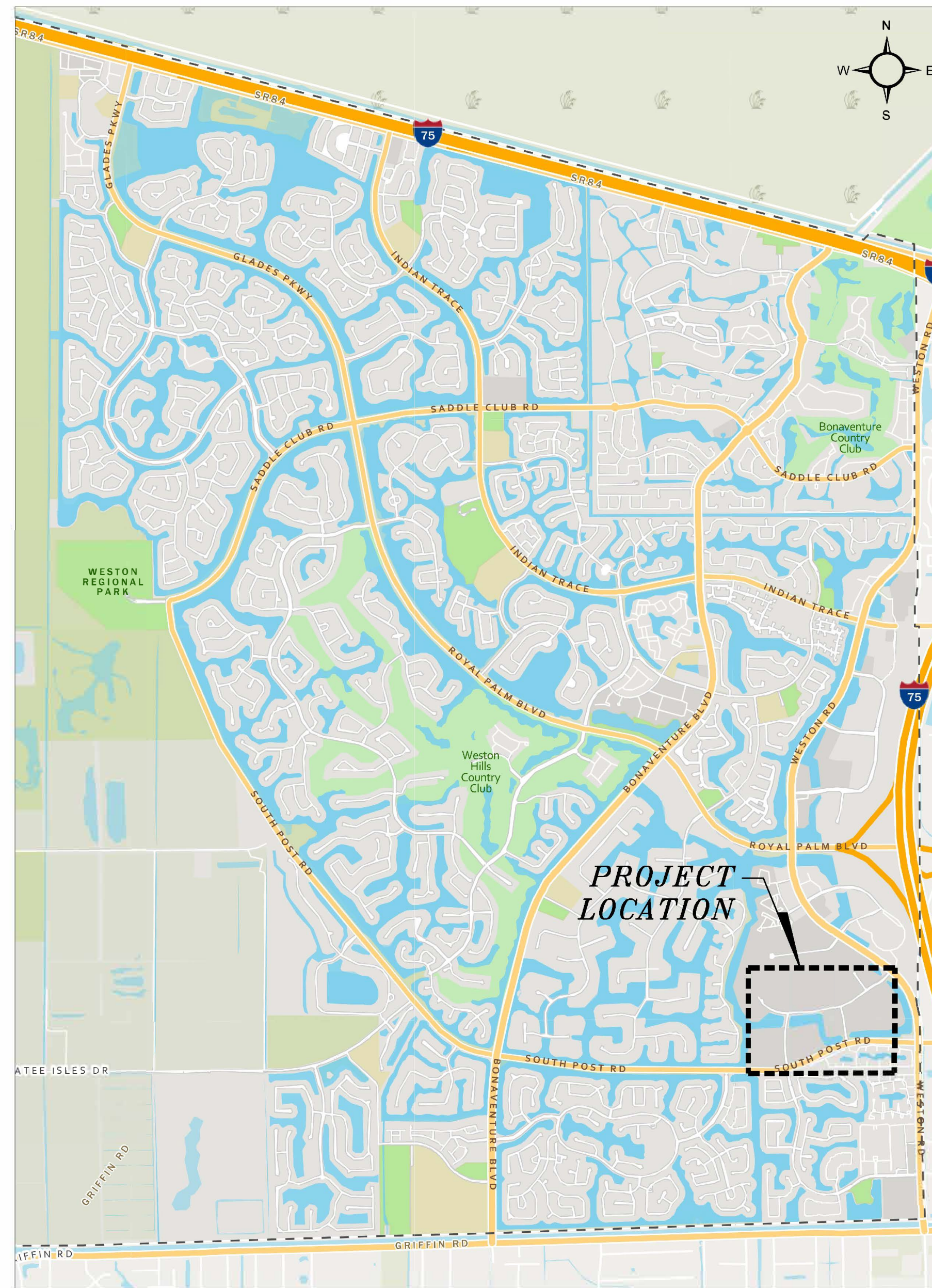
## SURTAX-FUNDED MUNICIPAL TRANSPORTATION PROJECT NO. BC-WESTON-FY2020-00004



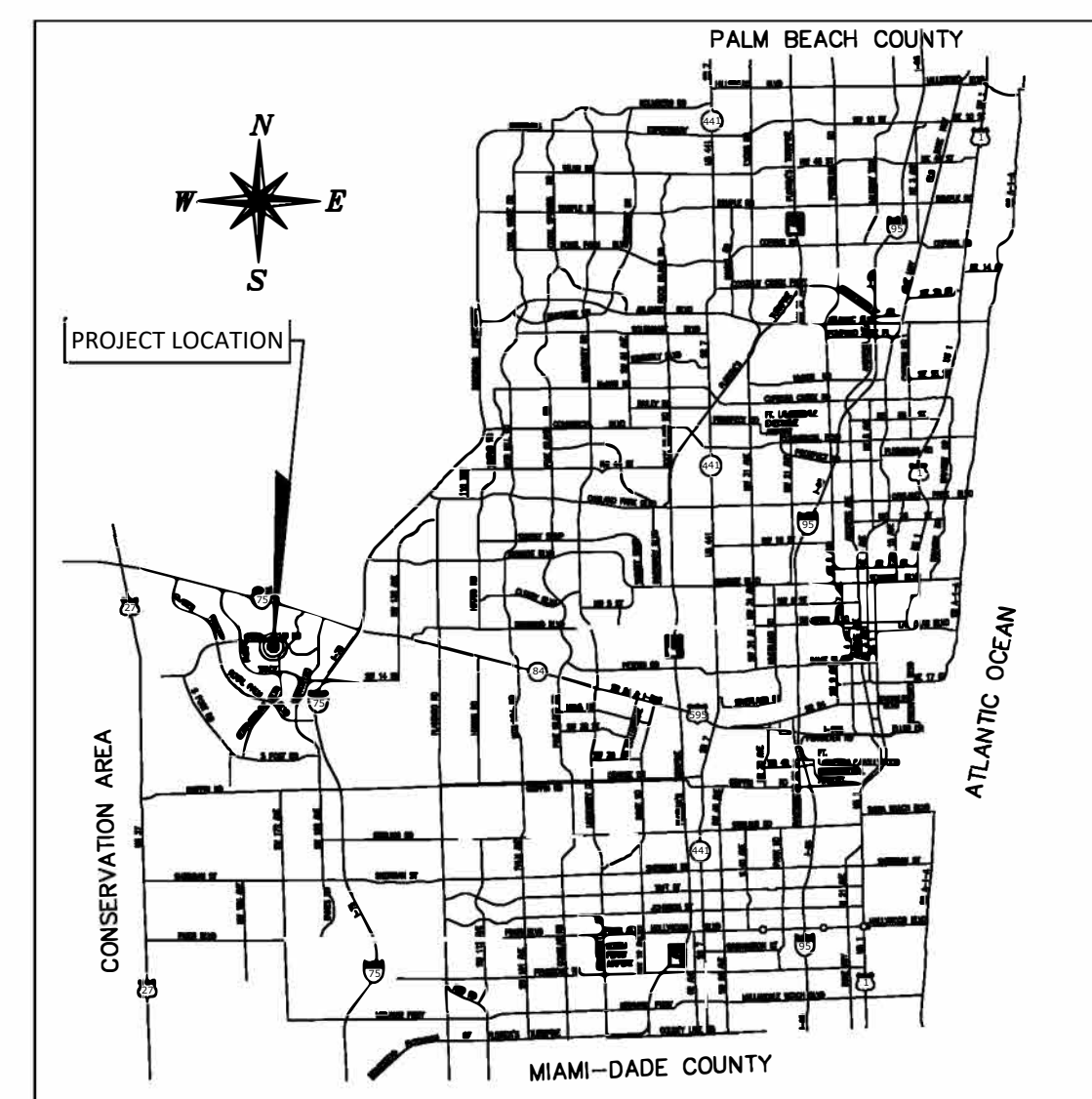
**MAP Broward**  
 Mobility Advancement Program  
 Brought to you by the  
 Penny For Transportation

### SHEET LIST TABLE

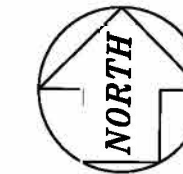
SHEET NO.	SHEET TITLE
2	1 COVER PAGE
3	ROADWAY PAVEMENT MARKING REFURBISHMENT
4	ADA RAMP REHABILITATION LOCATION PLAN
5	SIDEWALK REPAIRS - SITE PLAN
6	SIDEWALK & PAVER TRUNCATED DOME DETAILS
	BCTD PAVEMENT MARKINGS & SIGNS DETAIL



PROJECT KEY MAP

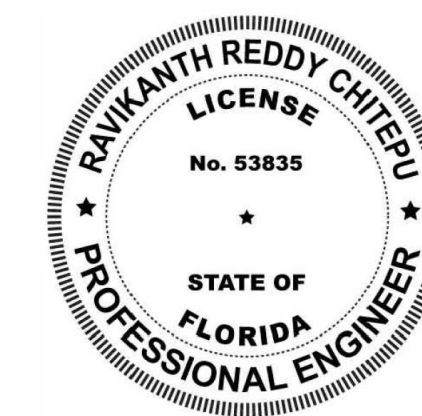


LOCATION PLAN



### CITY OFFICIALS

MAYOR: MARGARET BROWN  
 COMMISSIONERS: BYRON L. JAFFE  
 MARY MOLINA-MACFIE  
 CHRIS EDDY  
 HENRY MEAD  
 CITY MANAGER/CEO: DONALD P. DECKER



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

CITY OF WESTON PUBLIC WORKS  
 2599 SOUTH POST ROAD  
 WESTON FL 33327  
 954-385-2600

REDDY CHITEPU, P.E. 53835

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH THE RULE 61G15-23.004, F.A.C.

SHEET NO.	SHEET TITLE
1	COVER PAGE
2	ROADWAY PAVEMENT MARKING REFURBISHMENT
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### NOTES:

- RESPONSIBILITY FOR THE USE OF THESE PLANS FOR ANY PURPOSE PRIOR TO SECURING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THIS PROJECT WILL FALL SOLELY UPON THE USER.
- AN ELECTRONIC CAD FILE WILL BE PROVIDED FOR SURVEY LAYOUT.

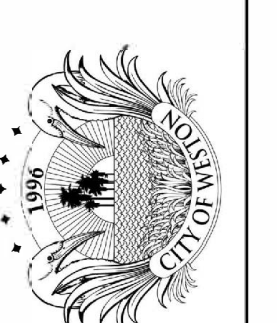
PERMITTING AGENCIES	DATE SUBMITTED	CGA/COW INITIALS	DATE APPROVED	PERMIT NUMBER
CITY OF WESTON - BUILDING DEPARTMENT APPROVAL				
CITY OF WESTON - UTILITY ENGINEERING APPROVAL				
CITY OF WESTON - LANDSCAPING APPROVAL				
CITY OF WESTON - ZONING APPROVAL				

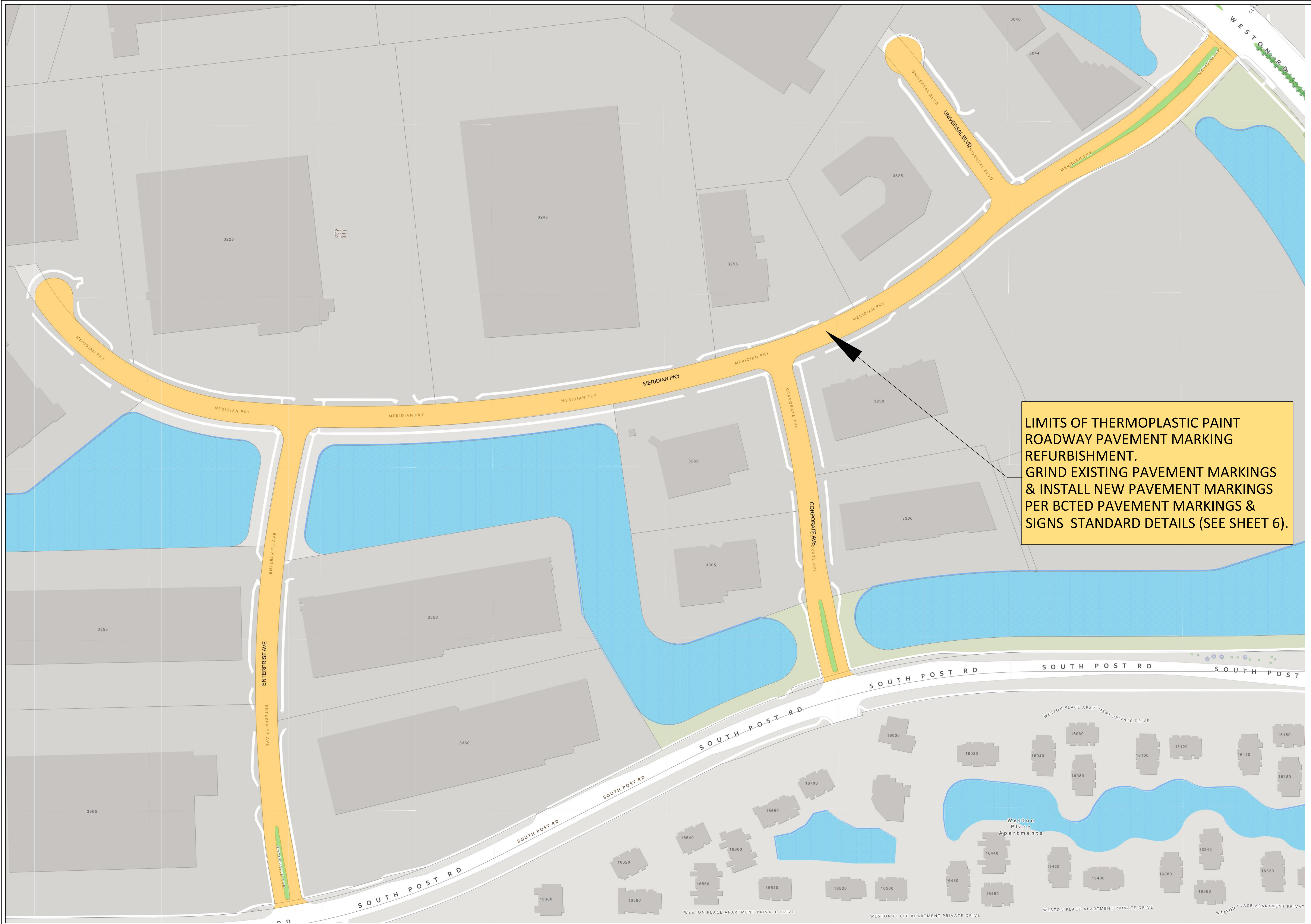
NO.	DATE	REVISION	BY

Engineering Division  
 Drawn by: J. Castro  
 Checked by: RC  
 As-built drawn by:  
 Field Inspector:  
 Field Book No.:

### COVER PAGE SIDEWALK REPAIRS AND PAVEMENT MARKING REFURBISHMENT

CITY OF WESTON  
 DEPARTMENT OF PUBLIC WORKS  
 2599 South Post Road, Weston, Florida 33327





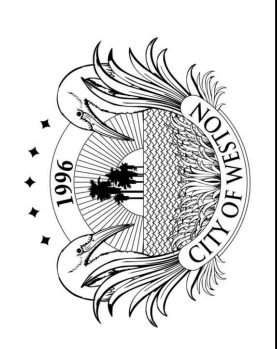
LIMITS OF THERMOPLASTIC PAINT  
ROADWAY PAVEMENT MARKING  
REFRUBISHMENT.  
GRIND EXISTING PAVEMENT MARKINGS  
& INSTALL NEW PAVEMENT MARKINGS  
PER BCTD PAVEMENT MARKINGS &  
SIGNS STANDARD DETAILS (SEE SHEET 6).

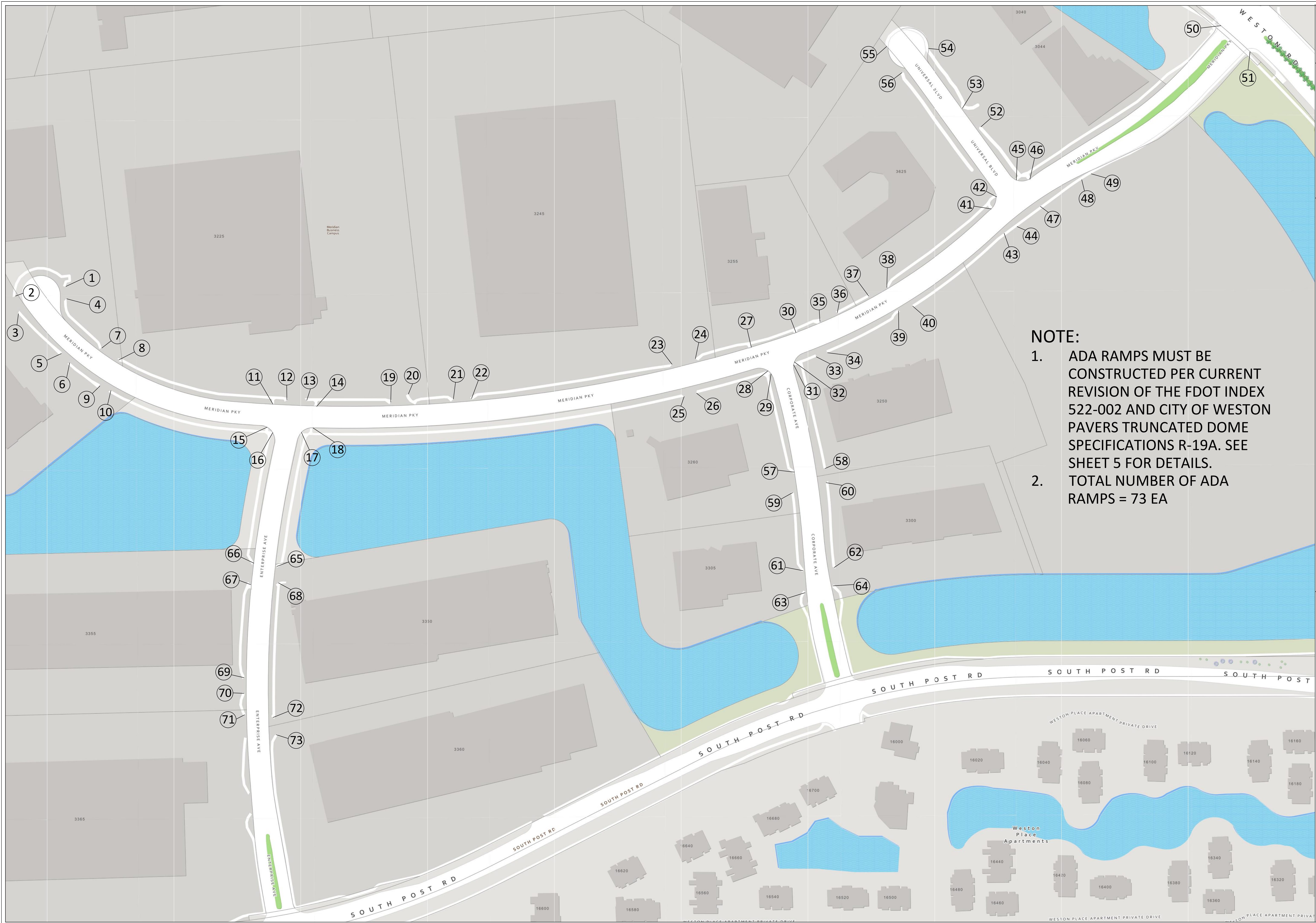
Engineering Division  
 Drawn by: L Casio Date: 12-21-22  
 Checked by: RC Date: 12-21-22  
 As-built drawn by: Date:  
 Field Inspector: Date:  
 Field Book No.:

Sheet  
2

**ROADWAY PAVEMENT MARKING REFRUBISHMENT**  
 SIDEWALK REPAIRS AND PAVEMENT MARKING REFRUBISHMENT

**CITY OF WESTON**  
 DEPARTMENT OF PUBLIC WORKS  
 2599 South Post Road, Weston, Florida 33327





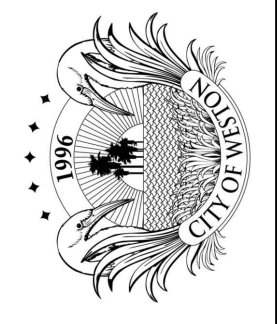
**NOTE:**

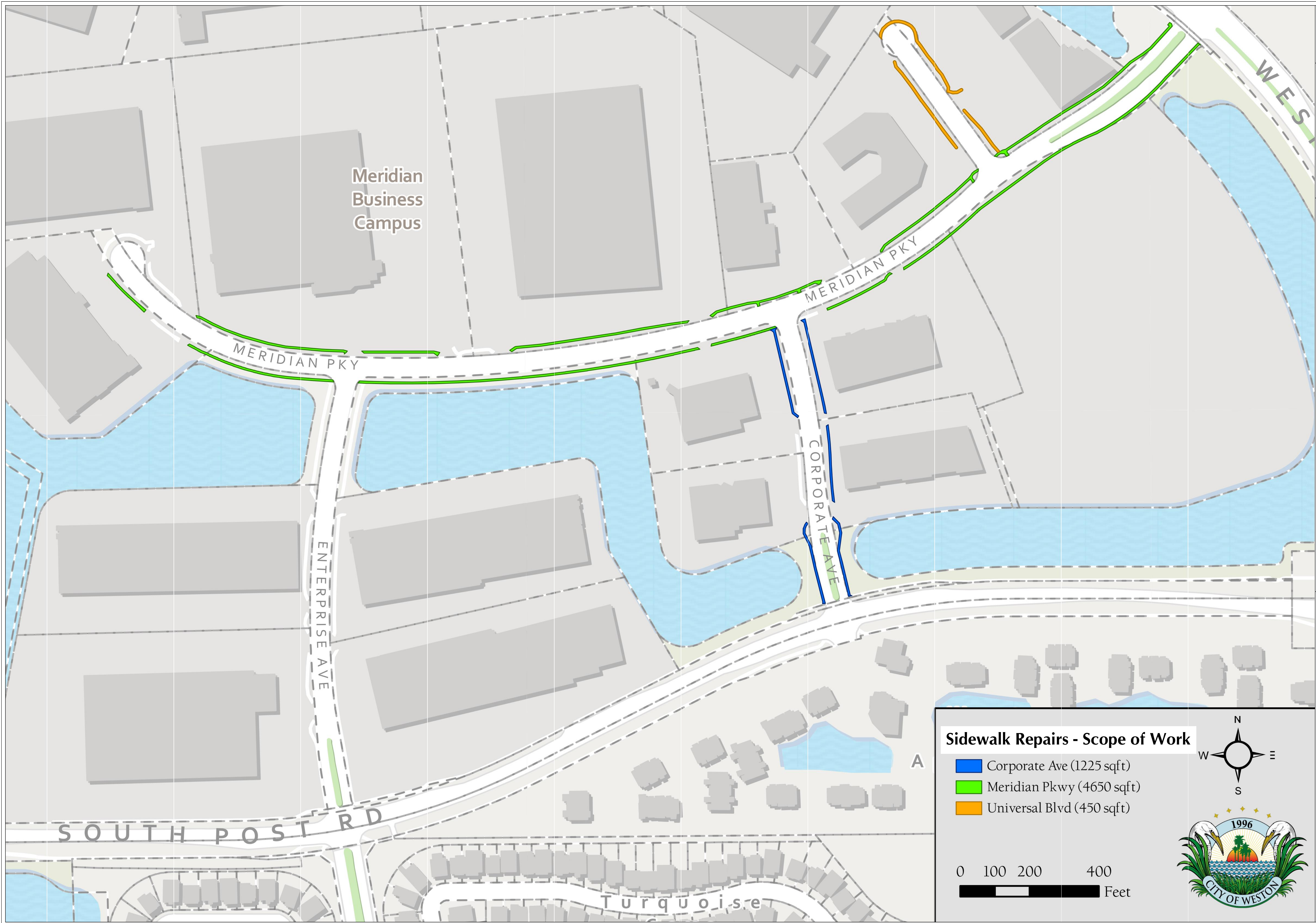
1. ADA RAMPS MUST BE CONSTRUCTED PER CURRENT REVISION OF THE FDOT INDEX 522-002 AND CITY OF WESTON PAVERS TRUNCATED DOME SPECIFICATIONS R-19A. SEE SHEET 5 FOR DETAILS.
2. TOTAL NUMBER OF ADA RAMPS = 73 EA

Engineering Division	
Drawn by: L. Casio	Date: 12-21-22
Checked by: RC	Date: 12-21-22
As-built drawn by:	Date:
Field Inspector:	Date:
Field Book No.:	

**ADA RAMPS REHABILITATION LOCATION PLAN**  
SIDEWALK REPAIRS AND PAVEMENT MARKING REFURBISHMENT

**CITY OF WESTON**  
DEPARTMENT OF PUBLIC WORKS  
2599 South Post Road, Weston, Florida 33327

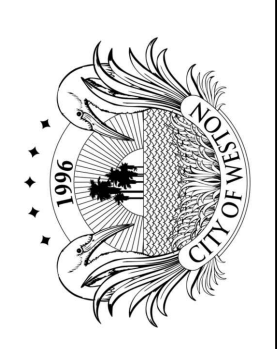


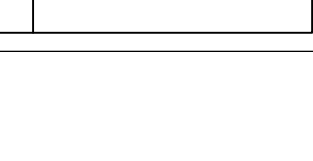


Engineering Division	
Drawn by: J. Casio	Date: 12-21-22
Checked by: RC	Date: 12-21-22
As-built drawn by:	Date:
Field Inspector:	Date:
Field Book No.:	

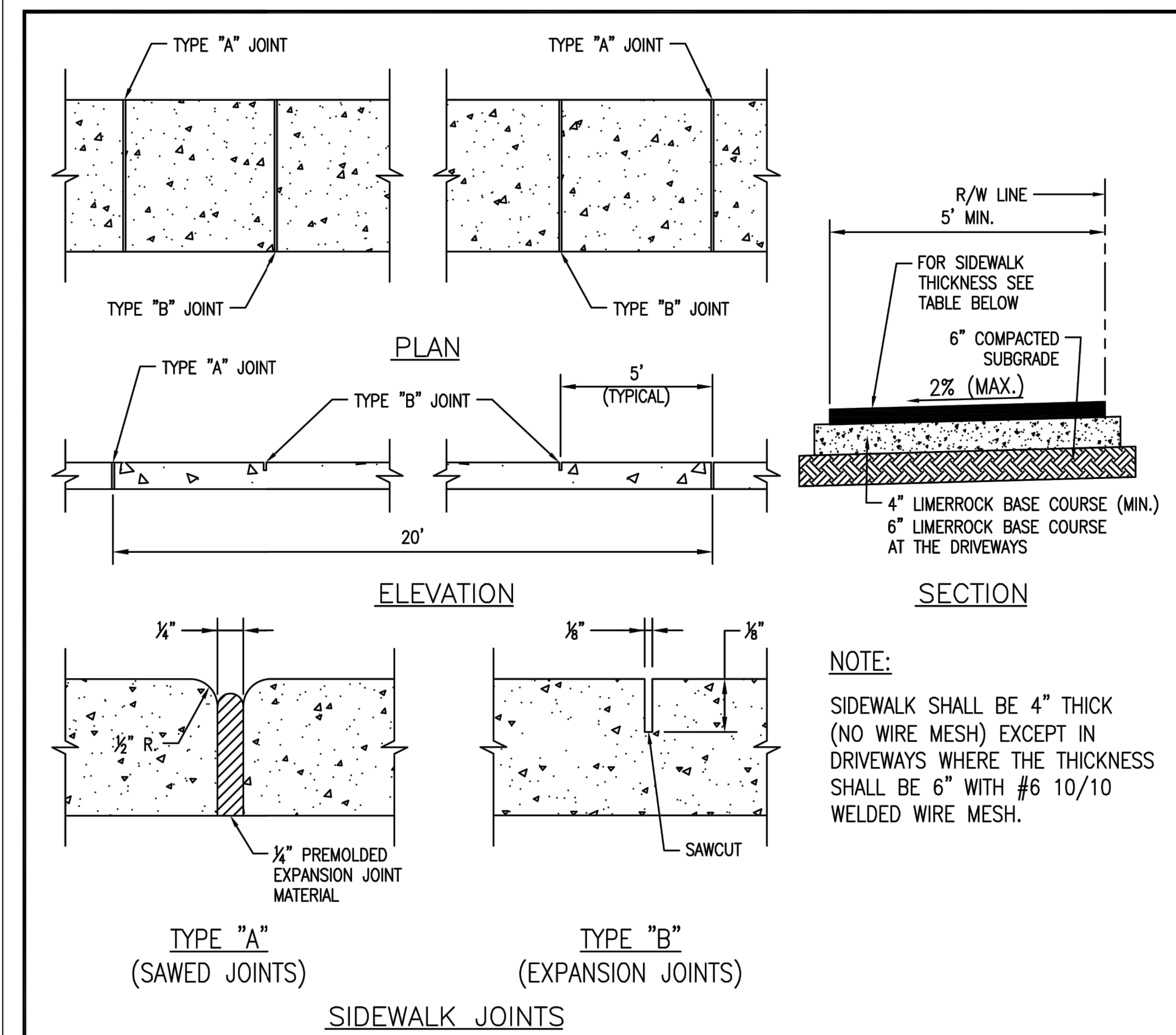
**SIDEWALK REPAIRS - SITE PLAN**  
 SIDEWALK REPAIRS AND PAVEMENT MARKING REFURBISHMENT

**CITY OF WESTON**  
 DEPARTMENT OF PUBLIC WORKS  
 2599 South Post Road, Weston, Florida 33327





**NOTE:**  
 THE UNIT COST OF EACH ADA RAMP SHALL INCLUDE THE REMOVAL & DISPOSAL OF THE EXISTING RAMP, CONSTRUCTION OF NEW ADA COMPLIANT CONCRETE RAMP PER CURRENT FDOT INDEX 522-002 WITH THE TYPE AND CONFIGURATION APPLICABLE TO THE SITE AND THE INSTALLATION OF PAVERS TRUNCATED DOME TACTILE SURFACE PER WESTON STD R19-A.



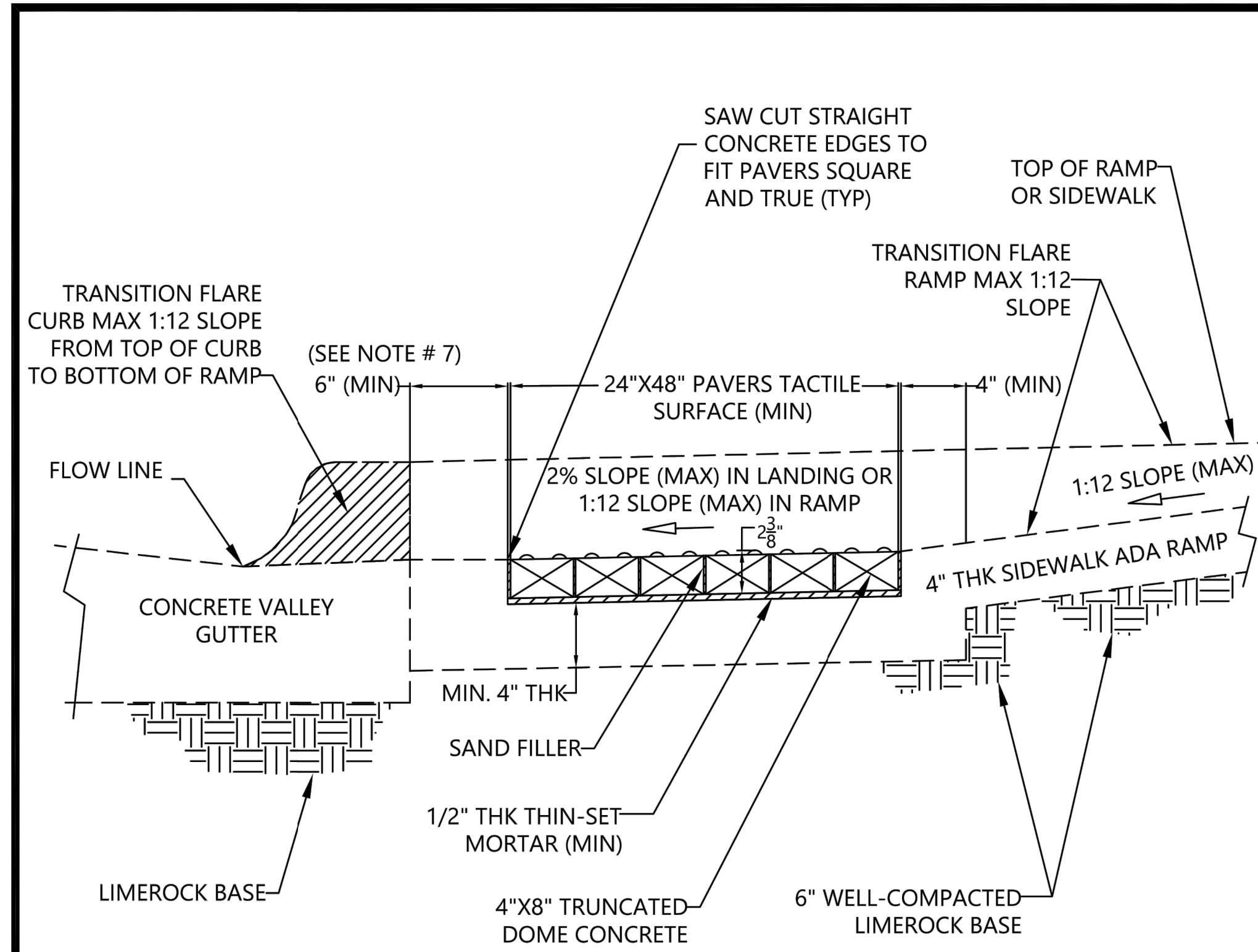
SIDEWALK THICKNESS	
RESIDENTIAL AREAS	4" (MIN.)
AT DRIVEWAYS AND OTHER AREAS	6" (MIN.)

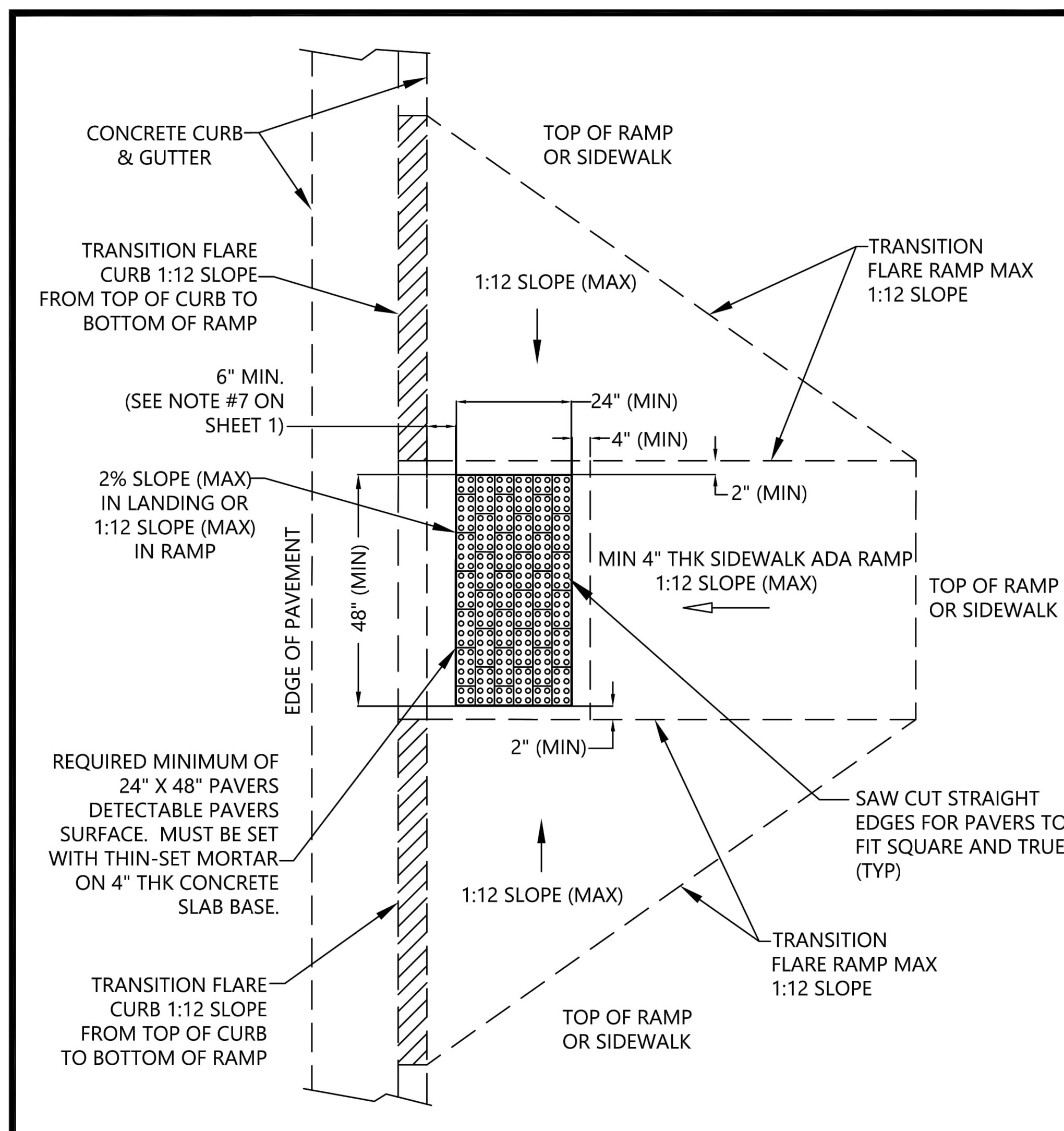
SIDEWALK WIDTHS	
SINGLE - FAMILY AREAS	5'
MULTI - FAMILY AREAS	5'
OTHER AREAS AS SPECIFIED BY THE CITY ENGINEER.	

SIDEWALK JOINTS	
TYPE	LOCATION
"A"	20'-0" CENTER TO CENTER P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALKS. * WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS.

\* AT THE DISCRETION OF THE ENGINEER.



- NOTES:**
- REFER TO CURRENT FDOT DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS, INDEX 522-002 FOR ADA RAMP CONFIGURATION APPLICABLE TO EACH LOCATION AND TO CITY OF WESTON DETAILS R-9 & R-10 FOR CURB AND SIDEWALK CONSTRUCTION.
  - TRUNCATED DOME PAVERS SHALL BE OLD CASTLE OR COASTAL ITEM#: 10400300 (ADA GRAY, 4"X8"X2-3/8")
  - THE PAVER SIZE 4" X 8", INCLUDED THE SPACER TAB ON ALL SIDES. THE THICKNESS IS 2-3/8"
  - THE CONCRETE MUST BE FORMED TO FIT THE REQUIRED MINIMUM OF 24" X 48" PAVERS.
  - PAVERS MUST BE SET WITH THIN-SET MORTAR ON 4" THK (MIN) CONCRETE SLAB BASE.
  - CONTACT COASTAL @ 1590 NORTH ANDREWS AVE EXTENSION, POMPAÑO BEACH, FL 33069 PHONE #: 954-972-7400
  - THERE SHALL BE A MINIMUM OF 6-INCH WIDE CONCRETE HEADER CURB OR SIDEWALK BETWEEN PAVERS AND EDGE OF ASPHALT PAVEMENT OR PAVERS CAN BE AGAINST THE CONCRETE VALLEY GUTTER.



\* SEE NOTES ON SHEET 1 OF 2

STANDARD ENGINEERING DETAILS & SPECIFICATIONS  
**SIDEWALK JOINT DETAILS & TYPICAL CONSTRUCTION**  
 CITY OF WESTON, FLORIDA  
 PUBLIC WORKS AND UTILITIES  
 2599 SOUTH POST ROAD, WESTON, FL 33327  
 TELEPHONE: 954-385-2600 FAX: 954-385-2610

DATE	SCALE	DRAWING NO.
FEB 2010	N.T.S.	R-10

STANDARD ENGINEERING DETAILS & SPECIFICATIONS  
**TRUNCATED DOME PAVERS INSTALLATION (PROFILE)**  
 CITY OF WESTON, FLORIDA  
 PUBLIC WORKS AND UTILITIES  
 2599 SOUTH POST ROAD, WESTON, FL 33327  
 TELEPHONE: 954-385-2600 FAX: 954-385-2610

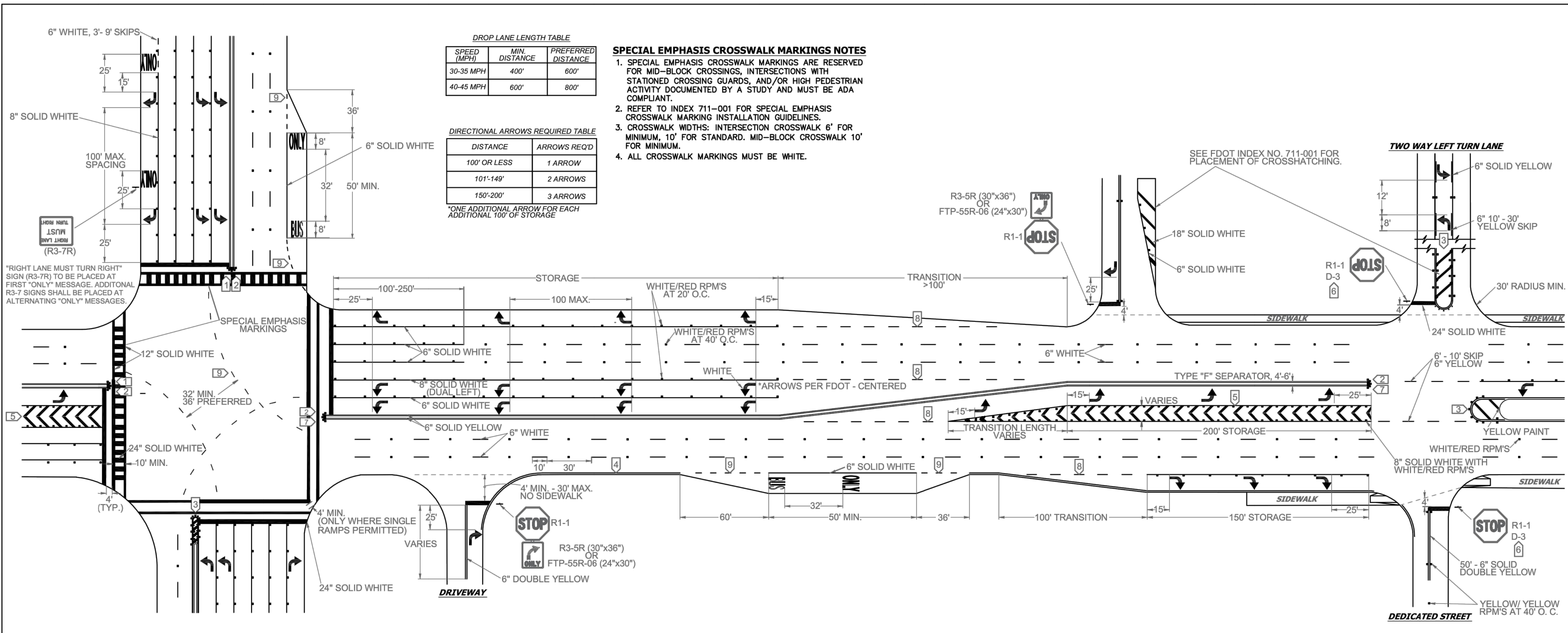
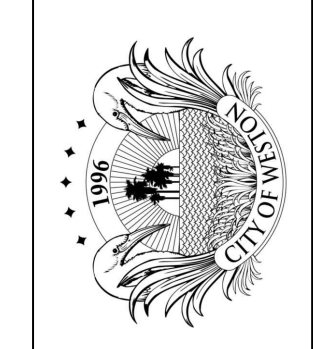
DATE	SCALE	DRAWING NO.
October 2022	N.T.S.	R-19A

STANDARD ENGINEERING DETAILS & SPECIFICATIONS  
**TRUNCATED DOME PAVERS INSTALLATION (PLAN)**  
 CITY OF WESTON, FLORIDA  
 PUBLIC WORKS AND UTILITIES  
 2599 SOUTH POST ROAD, WESTON, FL 33327  
 TELEPHONE: 954-385-2600 FAX: 954-385-2610

DATE	SCALE	DRAWING NO.
October 2022	N.T.S.	R-19A

SHEET 1 OF 2

SHEET 2 OF 2



**DROP LANE LENGTH TABLE**

SPEED (MPH)	MIN. DISTANCE	PREFERRED DISTANCE
30-35 MPH	400'	600'
40-45 MPH	600'	800'

**DIRECTIONAL ARROWS REQUIRED TABLE**

DISTANCE	ARROWS REQ'D
100' OR LESS	1 ARROW
101'-149'	2 ARROWS
150'-200'	3 ARROWS

*\*ONE ADDITIONAL ARROW FOR EACH ADDITIONAL 100' OF STORAGE*

**SPECIAL EMPHASIS CROSSWALK MARKINGS NOTES**

1. SPECIAL EMPHASIS CROSSWALK MARKINGS ARE RESERVED FOR MID-BLOCK CROSSINGS, INTERSECTIONS WITH STATIONED CROSSING GUARDS, AND/OR HIGH PEDESTRIAN ACTIVITY DOCUMENTED BY A STUDY AND MUST BE ADA COMPLIANT.
2. REFER TO INDEX 711-001 FOR SPECIAL EMPHASIS CROSSWALK MARKING INSTALLATION GUIDELINES.
3. CROSSWALK WIDTHS: INTERSECTION CROSSWALK 6' FOR MINIMUM, 10' FOR STANDARD. MID-BLOCK CROSSWALK 10' FOR MINIMUM.
4. ALL CROSSWALK MARKINGS MUST BE WHITE.

\*RIGHT LANE MUST TURN RIGHT SIGN (R3-7R) TO BE PLACED AT FIRST "ONLY" MESSAGE. ADDITIONAL R3-7 SIGNS SHALL BE PLACED AT ALTERNATING "ONLY" MESSAGES.

- NOTES**
1. ALL PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
  2. ALL PAVEMENT MARKINGS ON PAVER SYSTEMS SHALL BE 3M 380/381 SERIES TAPE OR EQUIVALENT AND APPLIED WITH P60 ADHESIVE AS PER MANUFACTURERS SPECIFICATIONS.
  3. ALL PAVEMENT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", BCTED STANDARDS, AND FDOT DESIGN STANDARDS.
  4. SEE FDOT INDEX NO 706-001 FOR PLACEMENT OF RPM'S (FOR BULLNOSE RPM TREATMENT, SEE LEGEND NO. 1)
  5. RPM'S SHALL BE CLASS "B" OR EQUIVALENT, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
  6. FDOT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
  7. FOR BIKE LANE DETAILS SEE FDOT INDEX NO. 711-002.
  8. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING OR SAND BLASTING.
  9. ALL STOP LINES TO BE 4' BEHIND CROSSWALK OR SIDEWALK.
  10. PAVEMENT MARKING REFLECTIVITY SHALL BE UNIFORM ACROSS THE ENTIRE STRIPE AND SHALL HAVE A MINIMUM REFLECTIVITY READING OF 250 MILLICANDELAS FOR WHITE AND 175 MILLICANDELAS FOR YELLOW.
  11. ALL PRODUCTS MUST BE ON FDOT'S APPROVED PRODUCTS LIST (APL).
  12. RPM'S SHALL NOT BE INSTALLED ADJACENT TO BIKE LANES.
  13. LONGITUDINAL CROSSWALK MARKINGS SHALL BE INSTALLED AT ALL CROSS STREETS ON COUNTY ROADS THAT ARE FOUR LANES OR GREATER.

**LEGEND**

**1 YELLOW/YELLOW RPM DETAILS**

**2 MEDIAN NOSE PAINT DETAILS**

**3 PAINTED MEDIAN DETAILS**

**4 EDGE LINE DETAILS**

**5 CHEVRON DETAILS - CROSSWALK AREAS AND IN FRONT OF CURB RAMPS**

**6 STREET NAME BLADE DETAILS**  
 SEE BCTED STOP SIGN AND STREET IDENTIFICATION ASSEMBLY TYPICAL DETAILS.

**7 TYPE IV SEPARATOR DETAILS**

**8 6'-10' SKIP DETAILS**  
 6' - 10' SKIPS 6" WHITE SHALL BE USED FOR THE FOLLOWING CONDITIONS:  
 • TRANSITIONS AT ALL LEFT AND RIGHT TURN LANES

**9 2'-4' SKIP DETAILS**  
 2' - 4' SKIPS 6" WHITE SHALL BE USED FOR THE FOLLOWING CONDITIONS:  
 • RADIUS GUIDE LINES BETWEEN DUAL LEFTS TURN MOVEMENT (90' RADIUS PREFERRED OR AS NOTED ON PLANS)  
 • BUS BAY TRANSITIONS

**STOP SIGN NOTE**  
 WHERE SIDE ROADS INTERSECT A MULTI-LANE STREET OR HIGHWAY THAT HAS A SPEED LIMIT OF 45 MPH OR HIGHER, THE MINIMUM SIZE OF THE STOP SIGNS FACING THE SIDE ROAD APPROACHES, EVEN IF THE SIDE ROAD ONLY HAS ONE APPROACH LANE, SHALL BE 36"x36".  
 WHERE SIDE ROADS INTERSECT A MULTI-LANE (INCLUDING TURN LANE) STREET OR HIGHWAY THAT HAS A SPEED LIMIT OF 40 MPH OR LOWER, THE MINIMUM SIZE OF THE STOP SIGN FACING THE SIDE ROAD APPROACHES SHALL BE 36"x36".

**REVISIONS**

DATE	DESCRIPTION
11-24-2020	UPDATED NOTES
04-14-2021	UPDATED NOTES
05-06-2022	UPDATED NOTES



**PUBLIC WORKS DEPARTMENT**  
**TRAFFIC ENGINEERING DIVISION**

DESIGN BY: CARMELO CARATONZOLO, P.E.    SCALE: NTS  
 DRAWN BY: STEPHON RAMOUTAR  
 CHECKED BY: CARMELO CARATONZOLO, P.E.

**PAVEMENT MARKINGS AND SIGNS DETAILS**

**SHEET NO.**  
 1 OF 1