PALM CITY ROAD TRAFFIC CONTROL IMPROVEMENTS

(CROSSWALKS / SPEED LIMIT REDUCTION / RUMBLE STRIPS)

MARCH, 2016

CAPTEC Engineering, Inc.
Civil Engineering Professionals
Engineering Business No. EB-0007657
301 N.W. Flagler Avenue
Stuart, Florida 34994
Phone: (772) 692-4344
Fax: (772) 692-4341

MATCHLINE A

SW PINE ST

SW PALM CITY ROAD

SW FEDERAL HIGHWAY (U.S. 1)

SPEED LIMIT 25

"NO THRU TRUCKS" SIGN TO REMAIN

RELOCATED SIGN

RUMBLE STRIP SET SEE DETAIL (TYP.)

1.5' (TYP.)

50' (TYP.)

RUMBLE STRIPS

SCALE: 1" = 40'

W7-1 SPEED TABLE W11-2 W16-7pL

4.5' MIN.

PROPOSED 6' SIDEWALK REMOVE EXISTING SIDEWALK

DETECTABLE WARNING STRIP PER FDOT INDEX 304 (TYP.)

PEDESTRIAN CROSSWALK TRAFFIC FLASHER W/PEDESTRIAN CROSSING SIGN (TYP.)

ADVANCED WHITE THERMOPLASTIC WARNING MARKINGS PER MUTCD 3B-31 (TYP.)

PROPOSED SPEED TABLE CROSSWALK (SEE DETAILS)

CROSSWALK PER MARTIN COUNTY ENGINEERING STANDARD R-120C

W16-7pL W11-2 SPEED TABLE W17-1

PROPOSED 10' SIDEWALK (TYP.)

RAISED CROSSWALK

SCALE: 1" = 40'

NORTH

MATCHLINE B

POPPLETON CREEK

SW RIVERVIEW AVE

SW PALM CITY RD

SW HALPATIOKEE AVE

"NO THRU TRUCKS" SIGN TO REMAIN

AHEAD W16-9p SPEED TABLE W17-1 W11-2

RELOCATE EXISTING SPEED LIMIT SIGN TO JUST SOUTH OF RUMBLE STRIPS

PUBLIX

MATCHLINE A

STRIPING (INCLUDING RUMBLE STRIPS), PEDESTRIAN CROSSWALK TRAFFIC FLASHERS, SPEED LIMIT AND ADVANCED WARNING SIGNS TO BE FURNISHED AND INSTALLED BY THE CITY OF STUART.

CONTRACTOR TO COORDINATE WITH THE CITY OF STUART UTILITIES TO ADJUST VALVE BOXES

ENGINEER OF RECORD TO PROVIDE CERTIFICATION AT THE COMPLETION OF CONSTRUCTION CERTIFYING ALL SIDEWALKS ARE IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT. CERTIFICATION TO ALSO CONFIRM THAT STORMWATER RUNOFF WILL NOT BE IMPEDED.

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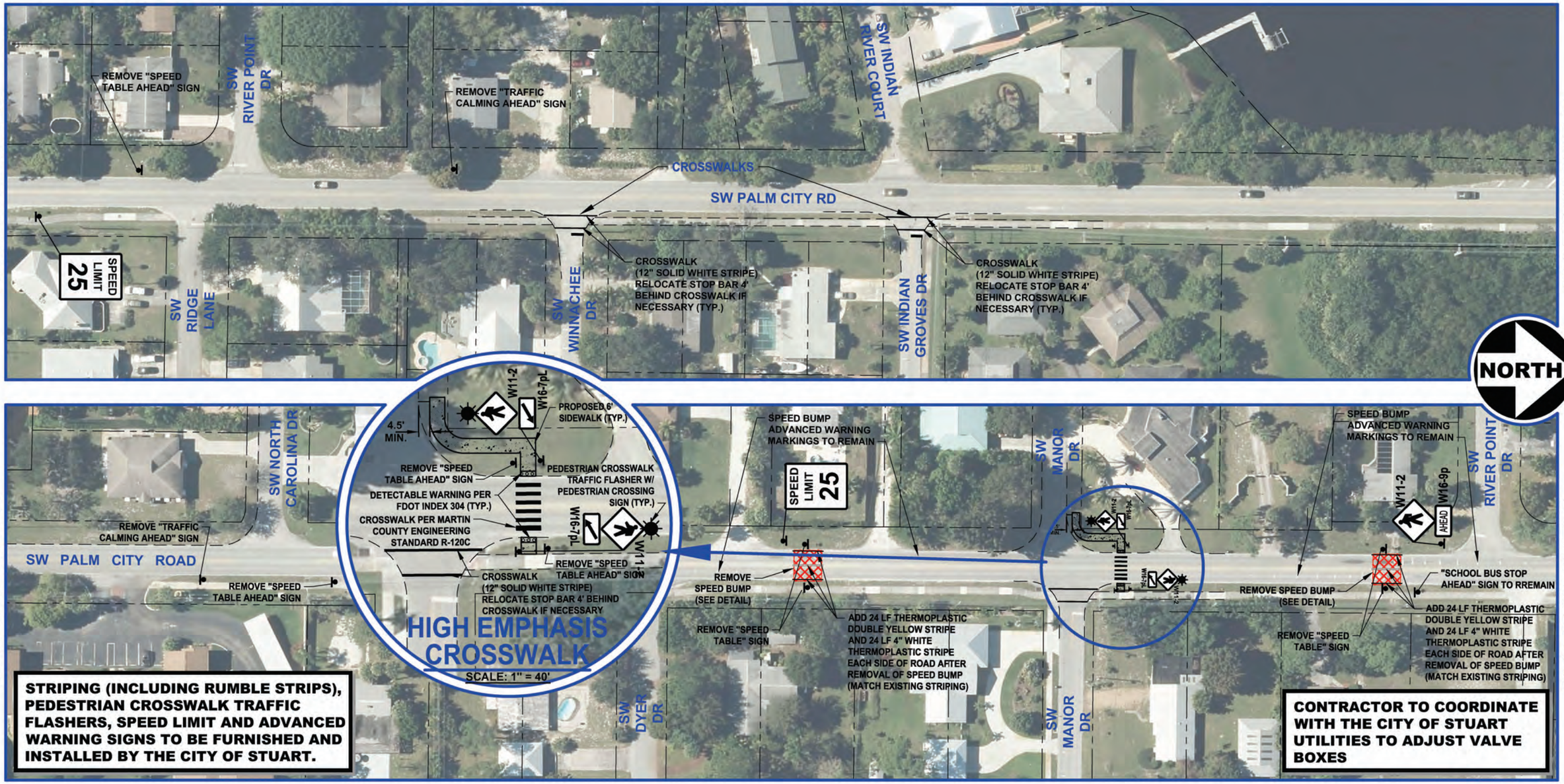
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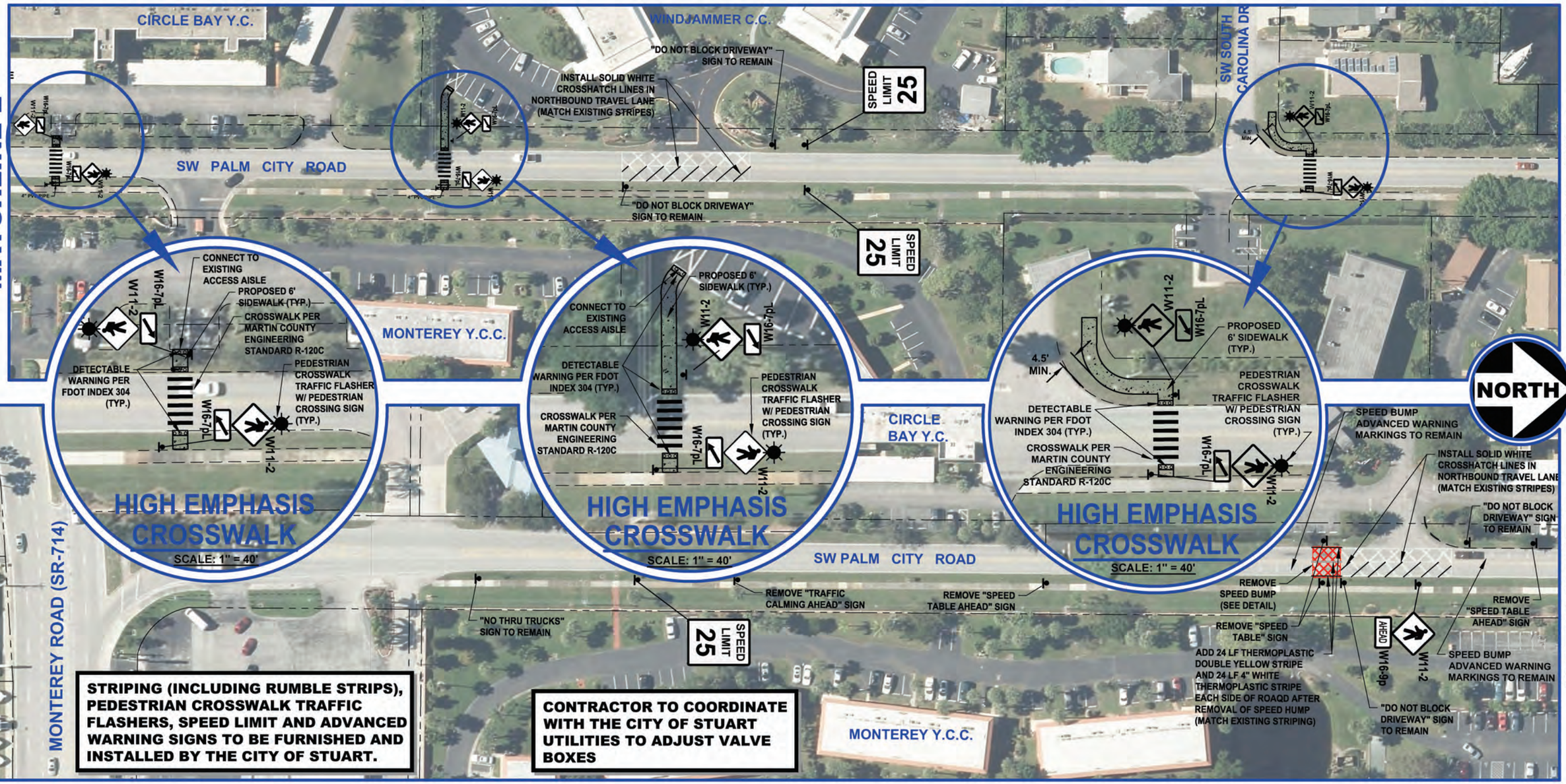
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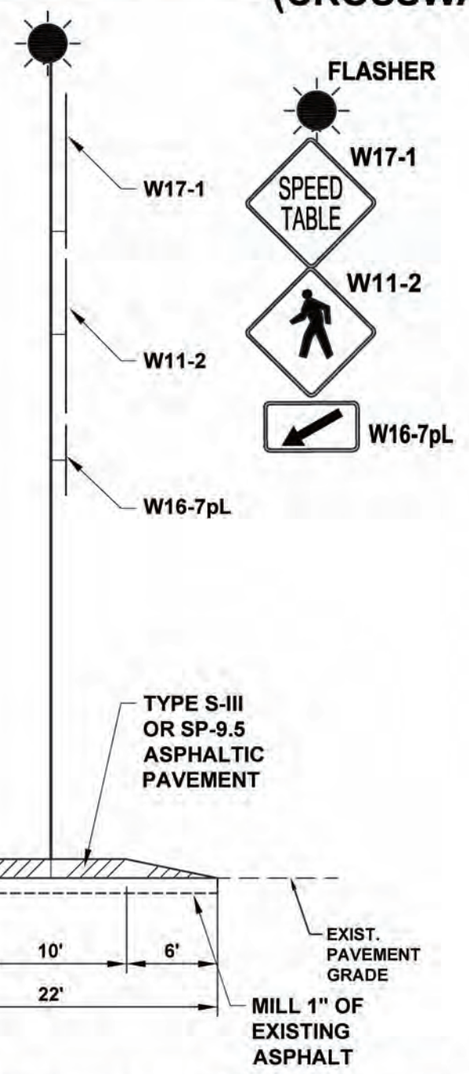
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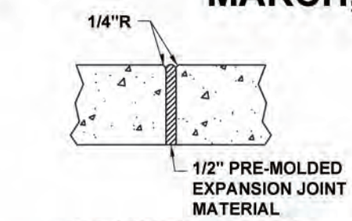


NOTES:

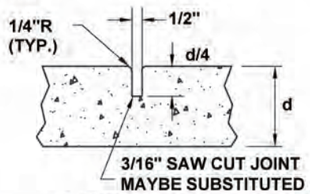
1. ADVANCE WARNING SIGN DISTANCE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE M.U.T.C.D.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH SECTION 711 OF THE FDOT STANDARD SPECIFICATIONS AND PART 3 OF THE M.U.T.C.D.

TRAFFIC CALMING SPEED TABLE

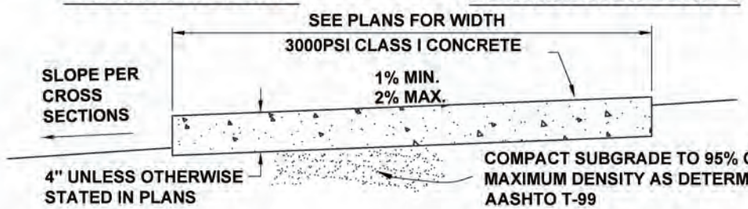
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EXPANSION JOINTS



CONTRACTION JOINTS

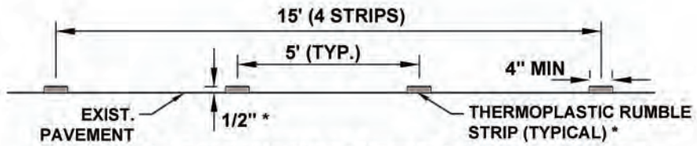


NOTES:

1. PROVIDE EXPANSION JOINTS 120' CENTER TO CENTER, AT PC & PT OF CURVES, JUNCTIONS OF EXISTING & NEW SIDEWALKS, AND WHERE SIDEWALK ABUTS CURBS, DRIVEWAYS & SIMILAR STRUCTURES.
2. PROVIDE CONTRACTION JOINTS 5' CENTER TO CENTER.
3. SOD SHALL BE PLACED BELOW EDGE OF SIDEWALK TO ALLOW DRAINAGE.
4. SIDEWALK TO TIE INTO ASPHALT TO AVOID STORMWATER PONDING.

TYPICAL SIDEWALK

N.T.S.

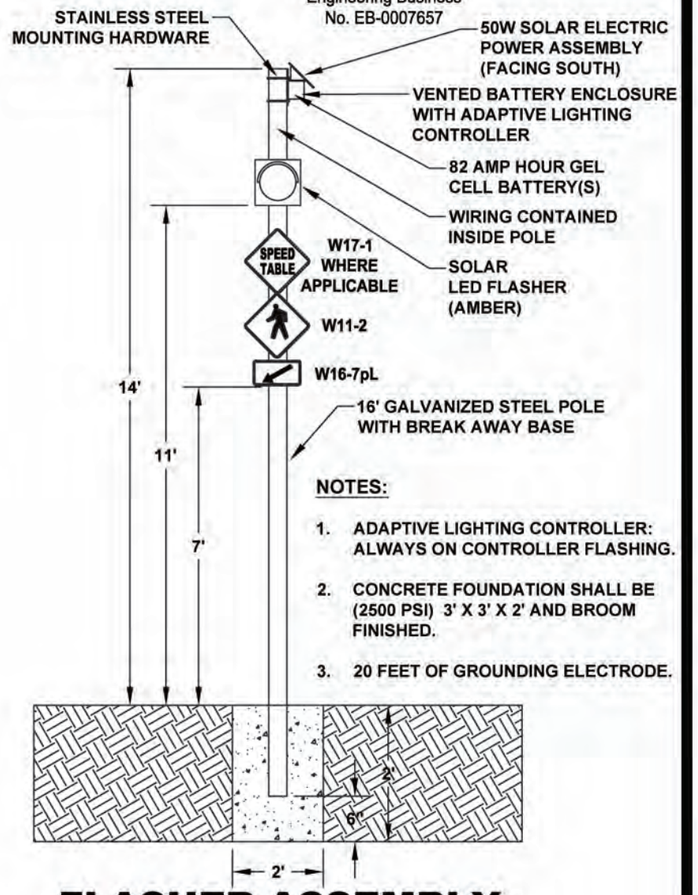


* USE MULTIPLE APPLICATIONS TO ACHIEVE DESIRED 1/2" THICKNESS
NOTE: THERMOPLASTIC RUMBLE STRIP SETS SHALL BE WHITE

RUMBLE STRIP DETAIL

REFERENCE FDOT INDEX 517 - THERMOPLASTIC SET DETAIL

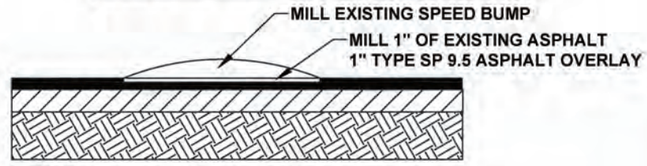
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NOTES:

1. ADAPTIVE LIGHTING CONTROLLER: ALWAYS ON CONTROLLER FLASHING.
2. CONCRETE FOUNDATION SHALL BE (2500 PSI) 3' X 3' X 2' AND BROOM FINISHED.
3. 20 FEET OF GROUNDING ELECTRODE.

FLASHER ASSEMBLY (SOLAR POWERED)



NOTE:
1. TYPE SP 9.5 TO BE PLACED BY PAVING MACHINE AND INCLUDE RS-1 TACK AND COMPACTION.

SPEED BUMP REMOVAL DETAIL

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