

HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS CONSTRUCTION PLANS FOR YOUTH CARE LANE SIDEWALK IMPROVEMENTS ADA TRANSITION PLAN HIGHLANDS COUNTY PROJECT NO. 17002

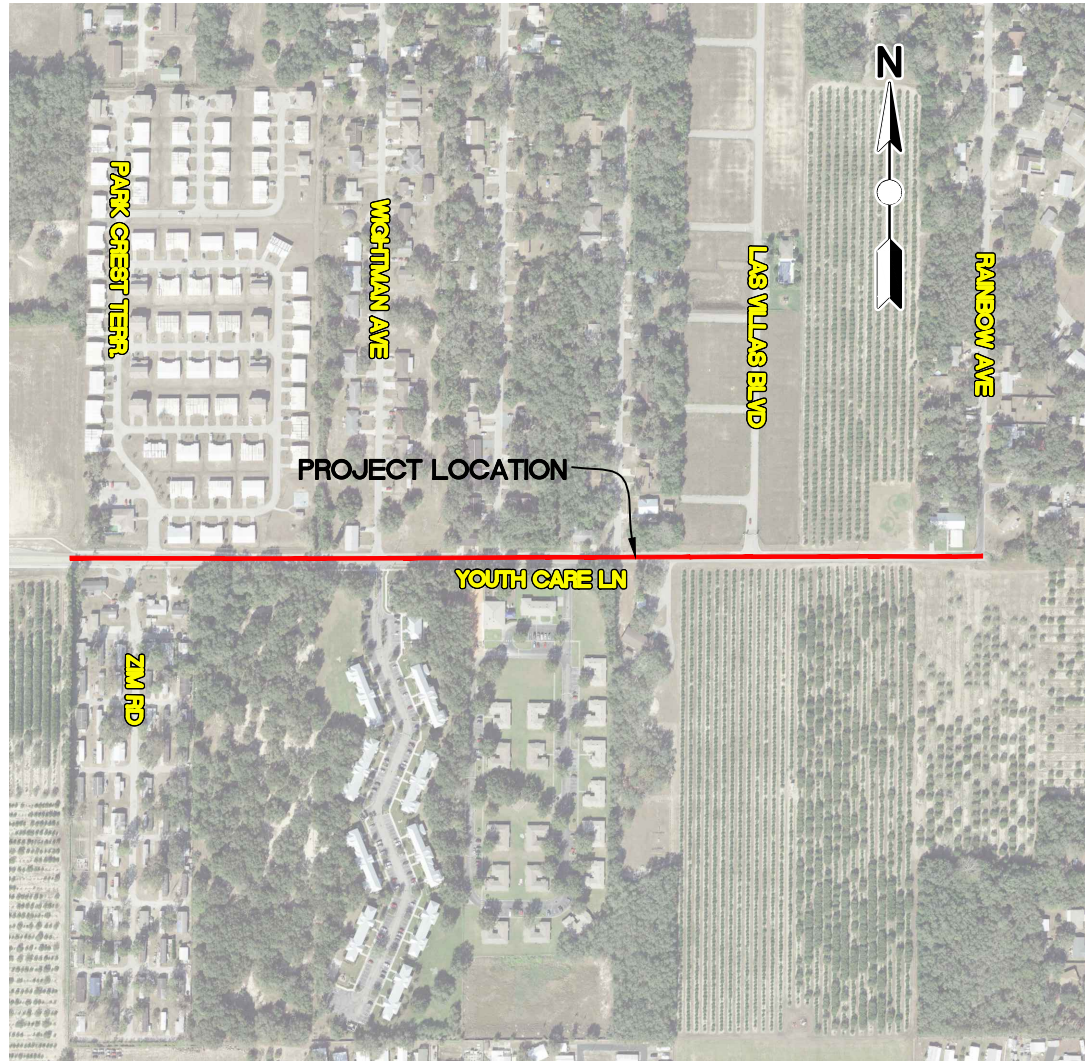
sunshine state
ONE CALL 811
of Florida

DIAL 811
Local No. 1-800-432-4770
Notification # _____
Call 48 hours before you dig.

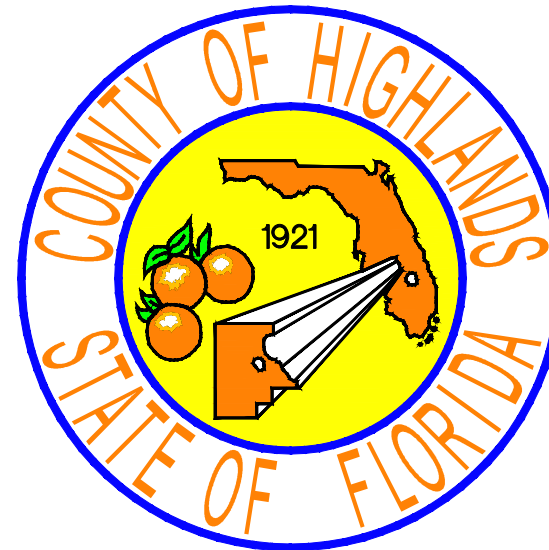
STATE LAW REQUIRES EXCAVATORS TO CALL 811 BEFORE DIGGING PER THE "UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT" CHAPTER 556, FLORIDA STATUTES. FAILURE TO CALL CAN RESULT IN FINES FROM \$250 TO \$5,000.

SHEET DESCRIPTION

1	COVER SHEET
2	GENERAL NOTES
3	TABULATION OF QUANTITIES/UTILITIES/LEGEND
4-13	FDOT STANDARD PLANS
14-15	EXISTING CONDITIONS
16-18	PROPOSED IMPROVEMENTS PLAN



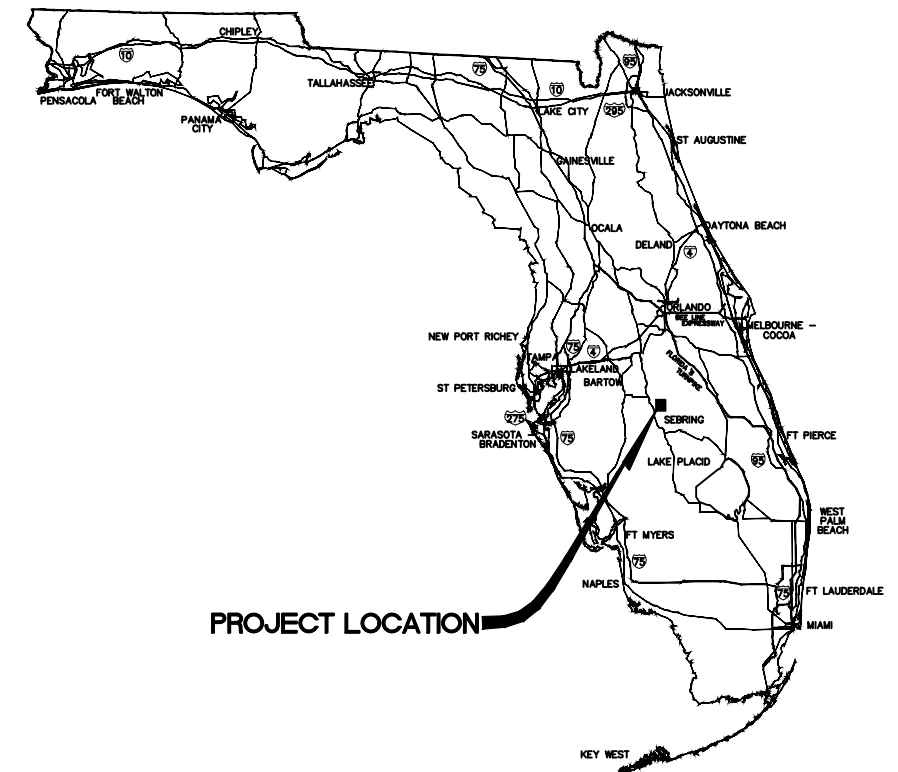
**PROJECT LOCATION MAP
(NOT TO SCALE)**



**CLINTON HOWERTON, JR., P.E.,
COUNTY ENGINEER**

**JAMES DAVID LANGFORD, JR., P.E.
ENGINEER OF RECORD**

**KENYA ANDERSON
PROJECT MANAGER**



PROJECT LOCATION

PLANS PREPARED BY HIGHLANDS COUNTY ENGINEERING DEPARTMENT

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

EXHIBIT "A"

GOVERNING STANDARDS AND SPECIFICATIONS:

1. FLORIDA DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS LATEST EDITION, AS AMENDED BY CONTRACT DOCUMENTS.
2. FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FY 2019-2020, AS AMENDED BY CONTRACT DOCUMENTS.
3. FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AS AMENDED BY CONTRACT DOCUMENTS.

REVISIONS			STATUS	DESIGNED BY: J.D. LANGFORD, P.E.	DRAWN BY: STACEY MAHONEY	CHECKED BY: KENYA ANDERSON	IN CHARGE: J.D. LANGFORD, P.E.	DATE: 11/15/2019	APPROVED BY: JAMES DAVID LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402	DATE:		YOUTH CARE LANE SIDEWALK IMPROVEMENTS COVER SHEET	SCALE:	PROJECT NO.	REV.
DATE	BY	DESCRIPTION											FOR BIDDING	HORIZ. N/A	17002
G:\PROJECTS\2017\17002 ADA Transition Plan FY 17-18\All Drawings\Youthcare Lane Sidewalks\Youthcare Lane Sidewalks_EXHIBIT A.dwg, 1 COV, Mahoney, Stacey Colors As Black Except Gray Colors.ctb													SHEET 1 OF 18		

SURVEY & STAKEOUT NOTES:

- EXISTING SECTION CORNERS AND 1/4 SECTION CORNERS, AND OTHER LAND MARKERS OR MONUMENTS LOCATED WITHIN PROPOSED CONSTRUCTION ARE TO BE REFERENCED PRIOR TO CONSTRUCTION AND RESET AFTER CONSTRUCTION. THE CONTRACTOR SHALL HAVE THIS WORK DONE BY A REGISTERED PROFESSIONAL LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE (FLORIDA REGISTRATION). ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY SURVEYOR, WITHOUT DELAY, BY TELEPHONE.
- BENCHMARK DATA IS NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88).
- ANY NGVD-29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY: GEODETIC INFORMATION CENTER, ATTN: MARK MAINTENANCE SECTION N/CG-162, 6001 EXECUTIVE BOULEVARD, ROCKVILLE, MARYLAND 20852. TELEPHONE (301)443-8319.
- GRADES SHOWN ARE THE EXISTING GRADES UNLESS OTHERWISE NOTED.

UTILITY & DRAINAGE NOTES:

- EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS NOTED OTHERWISE.
- THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED BY THE CONTRACTOR 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR UTILITIES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT.
- THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES TO REMAIN IN PLACE.
- THE CONTRACTOR SHALL CALL 811 FOR FIELD LOCATIONS NO LESS THAN 48 HOURS IN ADVANCE OF DIGGING NEAR UNDERGROUND UTILITIES.
- PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
- THE EXACT LOCATIONS OF EXISTING UTILITIES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY IF "OTHER" UTILITIES (NOT SHOWN IN THE PLANS) EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD THERE BE UTILITY CONFLICTS, THE CONTRACTOR SHALL INFORM THE ENGINEER AND NOTIFY THE RESPECTIVE UTILITY OWNERS TO RESOLVE UTILITY CONFLICTS AND UTILITY ADJUSTMENTS, AS REQUIRED.
- ALL VALVES WITHIN AREA OF CONSTRUCTION OR DISTURBED BY CONSTRUCTION TO BE ADJUSTED TO FINISHED GRADE. REPLACE VALVE COLLARS AND BOXES AS NECESSARY.

CLEARING, GRUBBING & LANDSCAPING NOTES:

- CONTRACTOR RESPONSIBLE FOR CLEARING BRUSH & VEGETATION WITHIN PROJECT SITE.
- ALL DISTURBED AREA WITHIN THE RIGHT-OF-WAY AND PROJECT LIMITS SHALL BE SODDED WITH "LIKE KIND" SOD. THE AREAS ON WHICH SOD IS TO BE PLACED SHALL BE THOROUGHLY WETTED PRIOR TO AND AFTER PLACEMENT IS COMPLETE. NO ADDITION OF TOP SOIL MATERIAL IS REQUIRED PRIOR TO PLACEMENT.
- ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE ENGINEER PRIOR TO PLACEMENT. ANY SOD WITH NOXIOUS WEEDS AND GRASSES, INCLUDING TROPICAL SODA APPLE SHALL BE REJECTED FOR USE ON THIS PROJECT.

MISCELLANEOUS NOTES:

- CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE TO THE HIGHLANDS COUNTY ENGINEERING DEPARTMENT PROJECT MANAGER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- EXISTING CONCRETE SIDEWALKS MAY HAVE TO BE ADDED TO OR CUT BACK TO MATCH UP TO PROPOSED PATH IN ORDER TO BETTER MEET ADA STANDARDS.
- THE CONTRACTOR SHALL REMOVE SURVEY STAKES AND EROSION CONTROL ITEMS PRIOR TO THE COMPLETION OF THE CONTRACT.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL CONSTRUCTION PERMITS AND LICENSES. COUNTY SHALL ASSIST CONTRACTOR, WHEN NECESSARY, IN OBTAINING SUCH PERMITS AND LICENSES.
- CONTRACTOR SHALL REPAIR ALL DISTURBED IRRIGATION AT CONTRACTOR'S EXPENSE. CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH AFFECTED PROPERTY OWNERS.
- CONTRACTOR SHALL COORDINATE WITH HIGHLANDS COUNTY PROJECT MANAGER IN ORDER TO COMPLY WITH ALL APPLICABLE TESTING STANDARDS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

PAVEMENT MARKINGS AND SIGNAGE NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE TO DELIVER ALL EXISTING SIGNS TO BE REMOVED TO THE HIGHLANDS COUNTY TRAFFIC OPERATIONS DEPARTMENT LOCATED AT 4330 GEORGE BLVD., SEBRING, FL. 33875
- NO TRAFFIC CONTROL DEVICE MAY BE REMOVED OR RELOCATED WITHOUT PERMISSION FROM THE HIGHLANDS COUNTY ENGINEERING DEPARTMENT.

SIDEWALK SPECIFICATIONS:

- EXCAVATION:** EXCAVATE TO THE REQUIRED DEPTH, AND COMPACT THE FOUNDATION MATERIAL UPON WHICH THE CONCRETE SIDEWALK IS TO BE PLACED. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF EXCESS MATERIALS.
- COMPACTION:** COMPACT FILL AREAS, INCLUDING CUT AREAS UNDER THE SIDEWALK THAT HAVE BEEN EXCAVATED BELOW THE BOTTOM OF SIDEWALK, TO A MINIMUM OF 95% OF AASHTO T99 DENSITY. THE AREA TO BE COMPACTED IS DEFINED AS THAT AREA DIRECTLY UNDER THE SIDEWALK AND 1 FOOT BEYOND EACH SIDE OF THE SIDEWALK WHEN RIGHT-OF-WAY ALLOWS.
- CONCRETE MATERIALS:** USE PORTLAND CEMENT CONCRETE - CLASS NON STRUCTURAL (NS). THE MINIMUM 28-DAY COMPRESSIVE STRENGTH REQUIREMENT FOR THIS CONCRETE IS 2,500 PSI.

FORMS

FORM MATERIALS: CONSTRUCT FORMS FOR THIS WORK OF EITHER WOOD OR METAL. PROVIDE FORMS THAT ARE STRAIGHT, FREE FROM WARP OR BENDS, AND OF SUFFICIENT STRENGTH, WHEN STAKED, TO RESIST THE PRESSURE OF THE CONCRETE WITHOUT DEVIATION FROM LINE AND GRADE. FOR ALL ITEMS CONSTRUCTED ON A RADIUS, USE FLEXIBLE FORMS.

DEPTH OF FORMS: ENSURE THAT FORMS HAVE A DEPTH EQUAL TO THE PLAN DIMENSIONS FOR THE DEPTH OF CONCRETE BEING DEPOSITED AGAINST THEM.

- PLACING CONCRETE:** PLACE THE CONCRETE IN THE FORMS, AND TAMP AND SPADE IT TO PREVENT HONEYCOMBING, AND UNTIL THE TOP OF THE STRUCTURE CAN BE FLOATED SMOOTH AND THE EDGES ROUNDED TO THE RADIUS OF 1/2 INCH.

JOINTS

3/16" SAW CUT JOINTS, 1 1/2" DEEP (WITHIN 96 HOURS) MAX. 5' CENTERS

1/2" EXPANSION JOINT WHEN RUN OF SIDEWALK EXCEEDS 120'. INTERMEDIATE LOCATIONS WHEN CALLED FOR IN THE PLANS OR AT LOCATIONS AS DIRECTED BY THE ENGINEER. EXPANSION JOINTS TO BE ADDED WHERE NEW CONCRETE MEETS EXIST. CONCRETE. FOR CONSISTENCY WITH EXISTING SIDEWALK, THE EDGE OF SIDEWALK SHALL BE PAINTED WITH YELLOW PAINT.

SAW CUT AT EXISTING JOINT, MEET AND MATCH EXISTING SIDEWALK.

- SURFACE REQUIREMENTS:** PROVIDE THE CONCRETE WITH A BROOM FINISH. ENSURE THAT THE SURFACE VARIATIONS ARE NOT MORE THAN 1/4 INCH UNDER A 10 FOOT STRAIGHTEDGE OR MORE THAN 1/8 INCH ON A 5 FOOT TRANSVERSE SECTION. FINISH THE EDGE OF THE SIDEWALK WITH AN EDGING TOOL HAVING A RADIUS OF 1/2 INCH.

- CONCRETE MIX DESIGN:** BEFORE PRODUCING ANY CONCRETE, SUBMIT THE PROPOSED MIX DESIGN TO THE PROJECT MANAGER. THE PROJECT MANAGER MAY DISQUALIFY ANY CONCRETE PRODUCTION FACILITY FOR NON-COMPLIANCE WITH SPECIFICATION REQUIREMENTS.

GENERAL

RUNNING SLOPE: THE RUNNING SLOPE OF THE SIDEWALK SHALL NOT EXCEED 5%.

CROSS SLOPE: THE CROSS SLOPE OF SIDEWALK SHALL BE 1.5%, AND NOT EXCEED 2%.

- INSTALLATION OF SIDEWALK SHALL MEET ADA REQUIREMENTS

- GRIND ANY CHANGES IN SURFACE LEVEL TO AN ELEVATION NOT TO EXCEED 1/4".

- CLEAN AND SEAL ANY JOINTS IN SIDEWALK THAT ARE GREATER THAN 1/2" WITH SEALANT. CONTRACTOR SHALL PROVIDE SPECIFICATIONS FOR APPROVAL BY PROJECT MANAGER PRIOR TO INSTALLATION. SEALANT MUST BE SELF-LEVELING, FIT TO GAP AND SEALANT DEPTH MUST BE CONTROLLED WITH BACKER-ROD (CLOSED CELL ONLY)

EXHIBIT "A"

REVISIONS			STATUS	DESIGNED BY: J.D. LANGFORD, P.E.	DRAWN BY: STACEY MAHONEY	CHECKED BY: KENYA ANDERSON	IN CHARGE: J.D. LANGFORD, P.E.	DATE: 11/15/2019	HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870	APPROVED BY: JAMES DAVID LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402	DATE:	SCALE: HORIZ. N/A VERT. N/A	PROJECT NO. 17002	REV. 0	
DATE	BY	DESCRIPTION													
			FOR BIDDING												

YOUTHCARE LANE SIDEWALK IMPROVEMENTS			
HIGHLANDS COUNTY PROJECT NO. 17002			
TASK NO.	ITEM DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION	1	LS
2	BONDS & INSURANCE	1	LS
3	CONSTRUCTION SURVEY STAKING INCLUDING AS-BUILT	1	LS
4	MAINTENANCE OF TRAFFIC	1	LS
5	SEDIMENT BARRIER TEMPORARY	1,053	LF
6	REMOVAL OF EXISTING CONCRETE	518	SY
7	CONCRETE SIDEWALK 4", 2500 PSI MINIMUM	526	SY
8	CONCRETE SIDEWALK 6", 3500 PSI MINIMUM	45	SY
9	DETECTABLE WARNING MATS (YELLOW, EMBEDDED)	155	SF
10	PERFORMANCE TURF SOD	738	SY

UTILITY COMPANIES

City of Sebring
 Bob Boggus
 Utilities Director
 863-471-5112
 863-471-5148 (F)
 bobboggus@mysebring.com

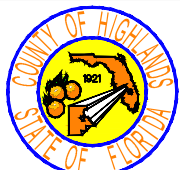
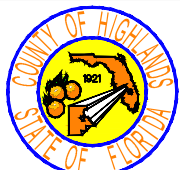
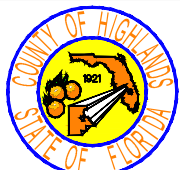
Comcast Cable
 Steve Hoffman
 5205 Fruitville Rd.
 Sarasota, FL 34232
 941-342-2135
 941-809-6637 (C)
 Steve.Hoffman@comcast.com

Duke Energy
 Mark R. Manner
 Sr. Engineer (Distribution)
 2051 Old Scenic Highway
 Lake Wales, FL 33898
 863-678-4476
 Mark.Manner@duke-energy.com

TECO-Peoples Gas System
 Steve Flowers
 2448 US 27 South
 Avon Park, FL 33825
 863-443-8262 (C)
 slflowers@tecoenergy.com

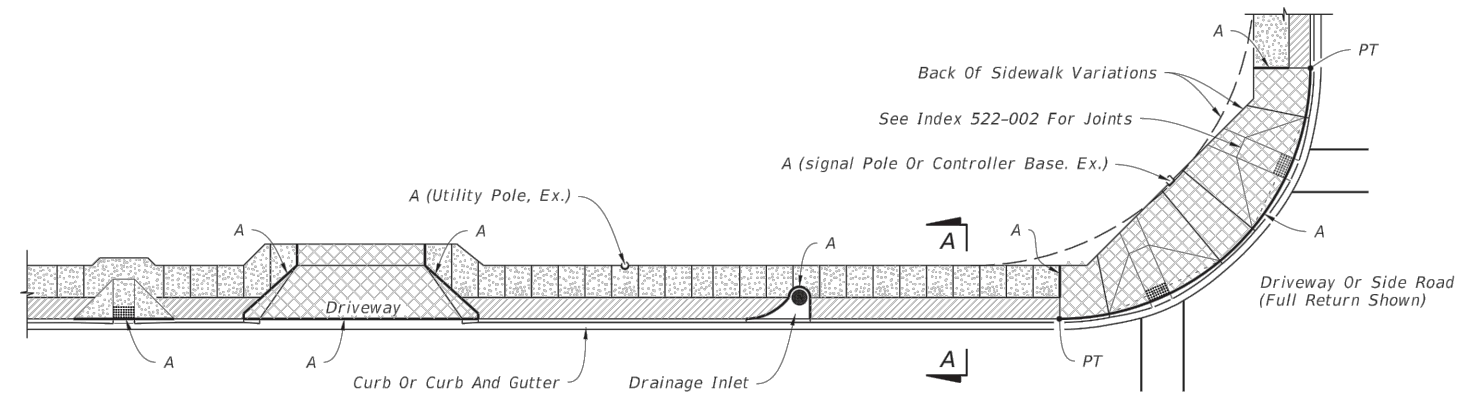
CenturyLink Engineering
 Kenneth R. Lutz
 924 Memorial Dr.
 Avon Park, FL 33825
 863-452-3185
 863-214-1490 (C)
 863-452-3472 (F)
 ken.lutz@centurylink.com

EXHIBIT "A"

<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>			REVISIONS		DATE	DESCRIPTION									<table border="1"> <thead> <tr> <th>STATUS</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; color: red; font-weight: bold;">FOR BIDDING</td> </tr> </tbody> </table>	STATUS	FOR BIDDING	<table border="1"> <tr> <td>DESIGNED BY: J.D. LANGFORD, P.E.</td> <td rowspan="5" style="text-align: center;"> HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870 </td> <td rowspan="5" style="text-align: center;">  </td> </tr> <tr> <td>DRAWN BY: STACEY MAHONEY</td> </tr> <tr> <td>CHECKED BY: KENYA ANDERSON</td> </tr> <tr> <td>IN CHARGE: J.D. LANGFORD, P.E.</td> </tr> <tr> <td>DATE: 11/15/2019</td> </tr> </table>	DESIGNED BY: J.D. LANGFORD, P.E.	HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		DRAWN BY: STACEY MAHONEY	CHECKED BY: KENYA ANDERSON	IN CHARGE: J.D. LANGFORD, P.E.	DATE: 11/15/2019	<table border="1"> <tr> <td colspan="2" style="text-align: center;"> YOUTH CARE LANE SIDEWALK IMPROVEMENTS TABULATION OF QUANTITIES UTILITIES </td> </tr> <tr> <td>APPROVED BY: JAMES DAVID LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402</td> <td>DATE:</td> </tr> </table>	YOUTH CARE LANE SIDEWALK IMPROVEMENTS TABULATION OF QUANTITIES UTILITIES		APPROVED BY: JAMES DAVID LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402	DATE:	<table border="1"> <tr> <td>SCALE: HORIZ. N/A VERT. N/A</td> </tr> <tr> <td>PROJECT NO. 17002</td> <td>REV. 0</td> </tr> <tr> <td colspan="2" style="text-align: center;">SHEET 3 OF 18</td> </tr> </table>	SCALE: HORIZ. N/A VERT. N/A	PROJECT NO. 17002	REV. 0	SHEET 3 OF 18	
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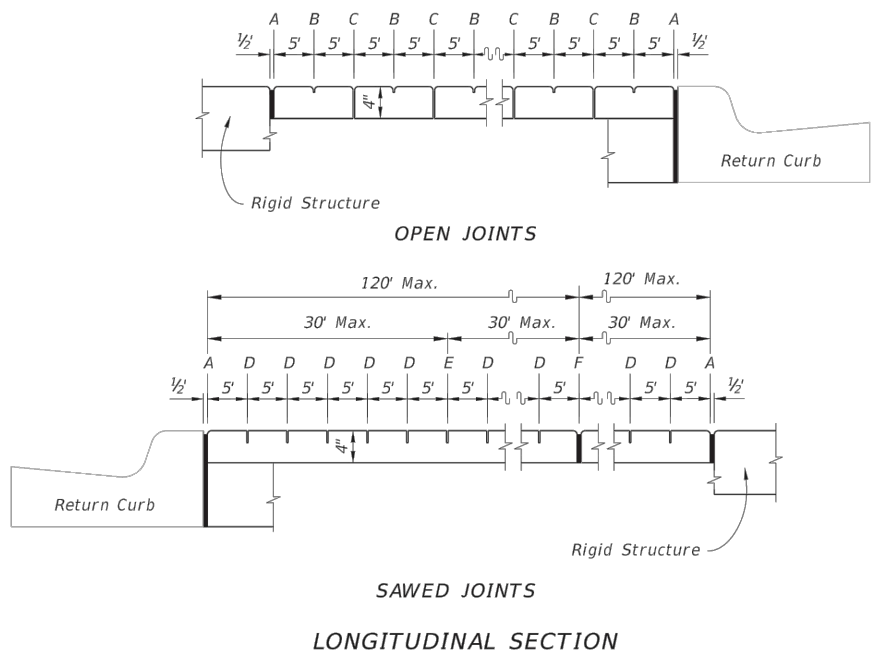
GENERAL NOTES:

1. Construct sidewalks in accordance with Specification 522. Use 6" concrete for Sidewalks and Curb Ramps Located within Curb Returns (See Plan View). Install all other concrete with thickness as shown, unless otherwise detailed in the Plans.
2. Include detectable warnings on sidewalk curb ramps in accordance with Index 522-002.
3. For Driveways see Index 522-003.
4. Bond breaker material can be any impermeable coated or sheet membrane or preformed material having a thickness of not less than 6 mils not more than 1/2".
5. Construct sidewalks with Edge Beam through the limits of any surface mounted Pedestrian/Bicycle Railing or Pipe Guiderail shown in the plans. (See RAILING DETAIL)



PLAN
SIDEWALK WITH UTILITY STRIP

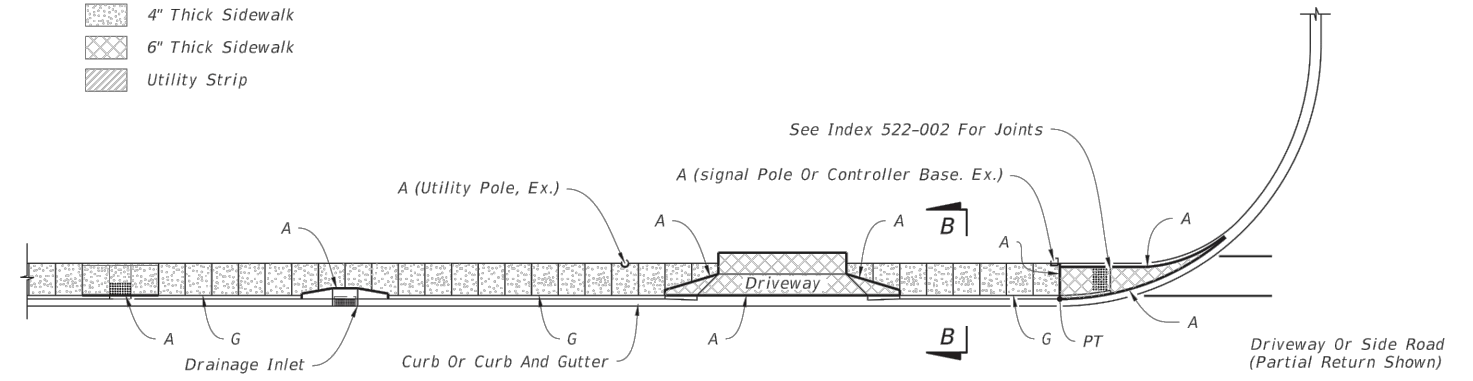
- LEGEND:**
- 4" Thick Sidewalk
 - 6" Thick Sidewalk
 - Utility Strip



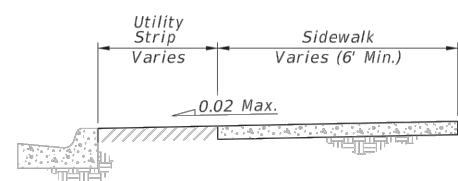
LONGITUDINAL SECTION

- LEGEND:**
- A- 1/2" Expansion Joints (Preformed Joint Filler) between the sidewalk and driveways, sidewalk-intersections, and all other fixed objects (e.g. drainage inlets and utility poles).
 - B- 1/8" Dummy Joints, Tooled
 - C- 1/8" Formed Open Joints
 - D- 3/16" Saw Cut Joints, 1 1/2" Deep (within 96 hours) Max. 5' Centers
 - E- 3/16" Saw Cut Joints, 1 1/2" Deep (within 12 hours) Max. 30' Centers Joint(s) Required When Length Exceeds 30'
 - F- 1/2" Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at locations as directed by the Engineer.
 - G- Cold Joint With Bond Breaker, Tooled

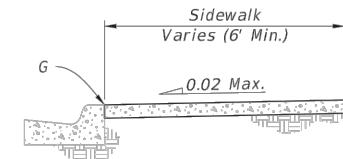
SIDEWALK JOINTS



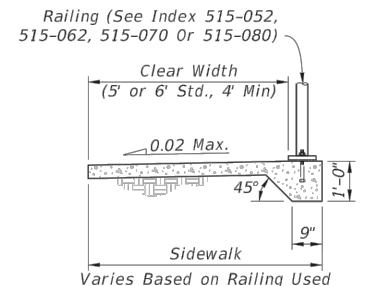
PLAN
SIDEWALK WITHOUT UTILITY STRIP



SECTION A-A



SECTION B-B



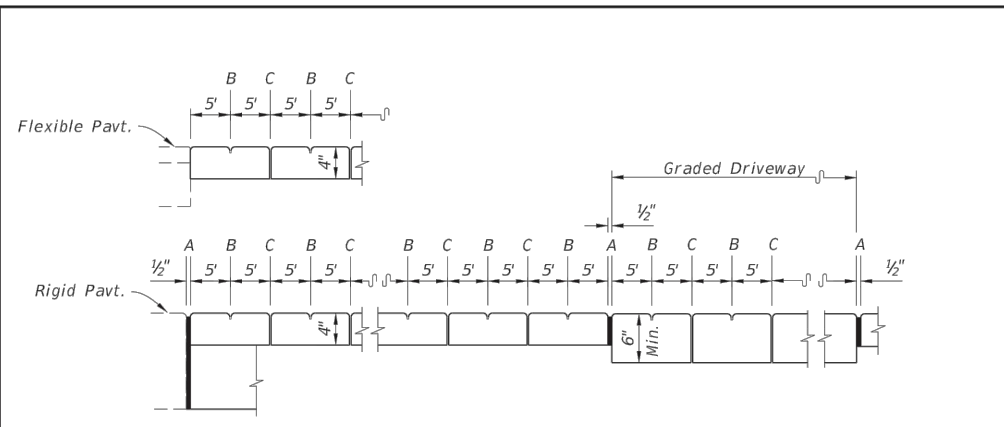
RAILING DETAIL

GENERAL NOTES AND CONCRETE SIDEWALK ON CURBED ROADWAYS

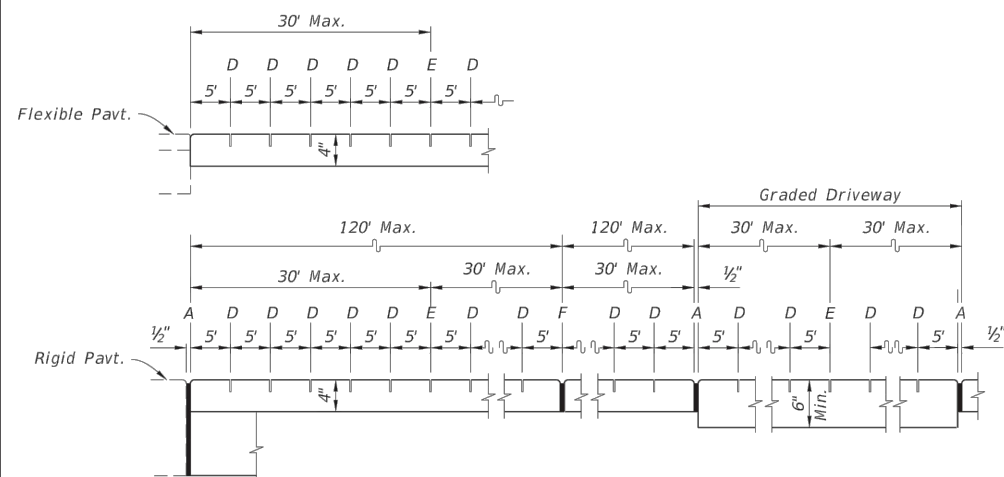
LAST REVISION 11/01/18	DESCRIPTION:	FDOT	FY 2019-20 STANDARD PLANS	CONCRETE SIDEWALK	INDEX 522-001	SHEET 1 of 2
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EXHIBIT "A"

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<p>SHEET 4 OF 18</p>																						



OPEN JOINTS

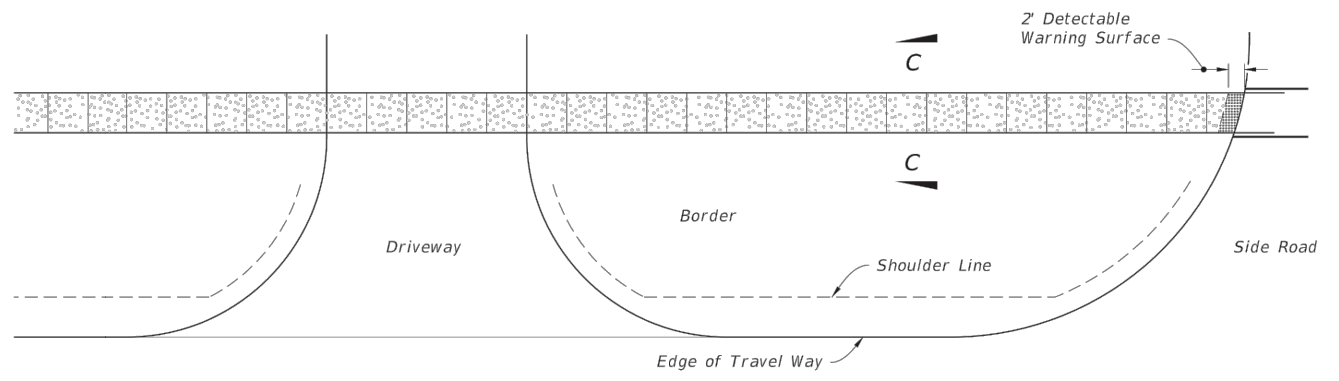


SAWED JOINTS

LONGITUDINAL SECTION

- LEGEND:**
- A- 1/2" Expansion Joints (Preformed Joint Filler) between the sidewalk and driveways, sidewalk-intersections, and all other fixed objects (e.g. drainage inlets and utility poles).
 - B- 1/8" Dummy Joints, Tooled
 - C- 1/8" Formed Open Joints
 - D- 3/16" Saw Cut Joints, 1 1/2" Deep (within 96 hours) Max. 5' Centers
 - E- 3/16" Saw Cut Joints, 1 1/2" Deep (within 12 hours) Max. 30' Centers Joint(s) Required When Length Exceeds 30'
 - F- 1/2" Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at locations as directed by the Engineer.

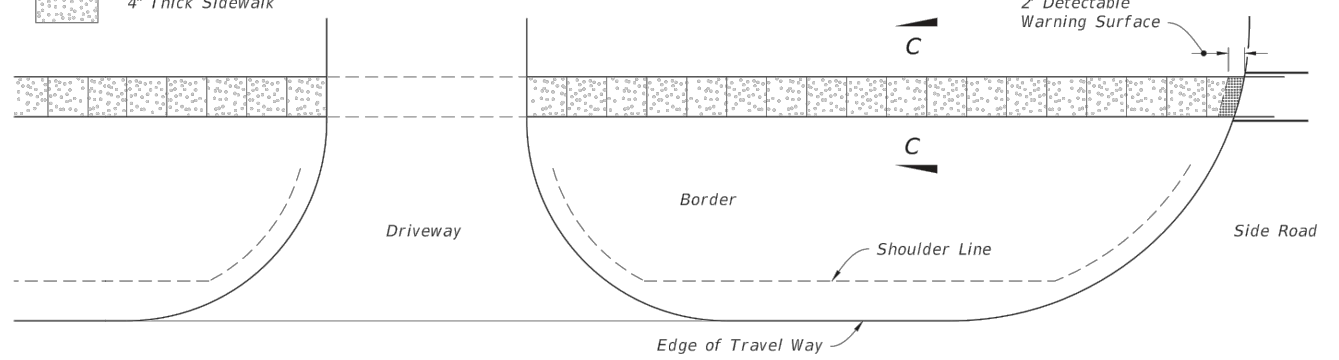
SIDEWALK JOINTS



PLAN

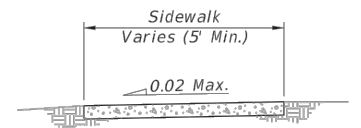
CONTINUOUS SIDEWALK

- LEGEND:**
- 4" Thick Sidewalk



PLAN

DISCONTINUOUS SIDEWALK



SECTION C-C

CONCRETE SIDEWALK ON FLUSH SHOULDER ROADWAYS

12/3/2018 11:18:34 AM

LAST REVISION 11/01/18	REVISION	DESCRIPTION:		FY 2019-20 STANDARD PLANS	CONCRETE SIDEWALK	INDEX 522-001	SHEET 2 of 2
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EXHIBIT "A"

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			DATE	BY	DESCRIPTION										<p>STATUS</p> <p style="color: red; font-weight: bold; font-size: 24px; text-align: center;">FOR BIDDING</p>		<p>DESIGNED BY: J.D. LANGFORD, P.E.</p> <p>DRAWN BY: STACEY MAHONEY</p> <p>CHECKED BY: KENYA ANDERSON</p> <p>IN CHARGE: J.D. LANGFORD, P.E.</p> <p>DATE: 11/15/2019</p>		<p>HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870</p> <p>APPROVED BY: JAMES DAVID LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402</p> <p>DATE:</p>				<p>YOUTH CARE LANE SIDEWALK IMPROVEMENTS FDOT STANDARD PLAN</p>		<p>SCALE: HORIZ. N/A VERT. N/A</p> <p>PROJECT NO. 17002</p> <p>REV. 0</p> <p>SHEET 5 OF 18</p>	
DATE	BY	DESCRIPTION																								

G:\PROJECTS\2017\17002 ADA Transition Plan FY 17-18\All Drawings\Youthcare Lane Sidewalks\Youthcare Lane Sidewalks_EXHIBIT A.dwg, DETAIL (2), Mahoney, Stacey Colors As Black Except Gray Colors.ctb

GENERAL NOTES:

1. Cross Slopes and Grades:

- A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
- B. Landings must have cross-slopes less than or equal to 0.02 in any direction.
- C. Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
- D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.

2. Grade Breaks:

Grade breaks at the top and bottom of ramps must be parallel to each other and perpendicular to the direction of the ramp slope.

3. Curb, Curb and Gutter and/or Sidewalk:

- A. Refer to Index 522-001 for concrete thickness and sidewalk details.
- B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.

4. Curb Ramp Alpha-Identification:

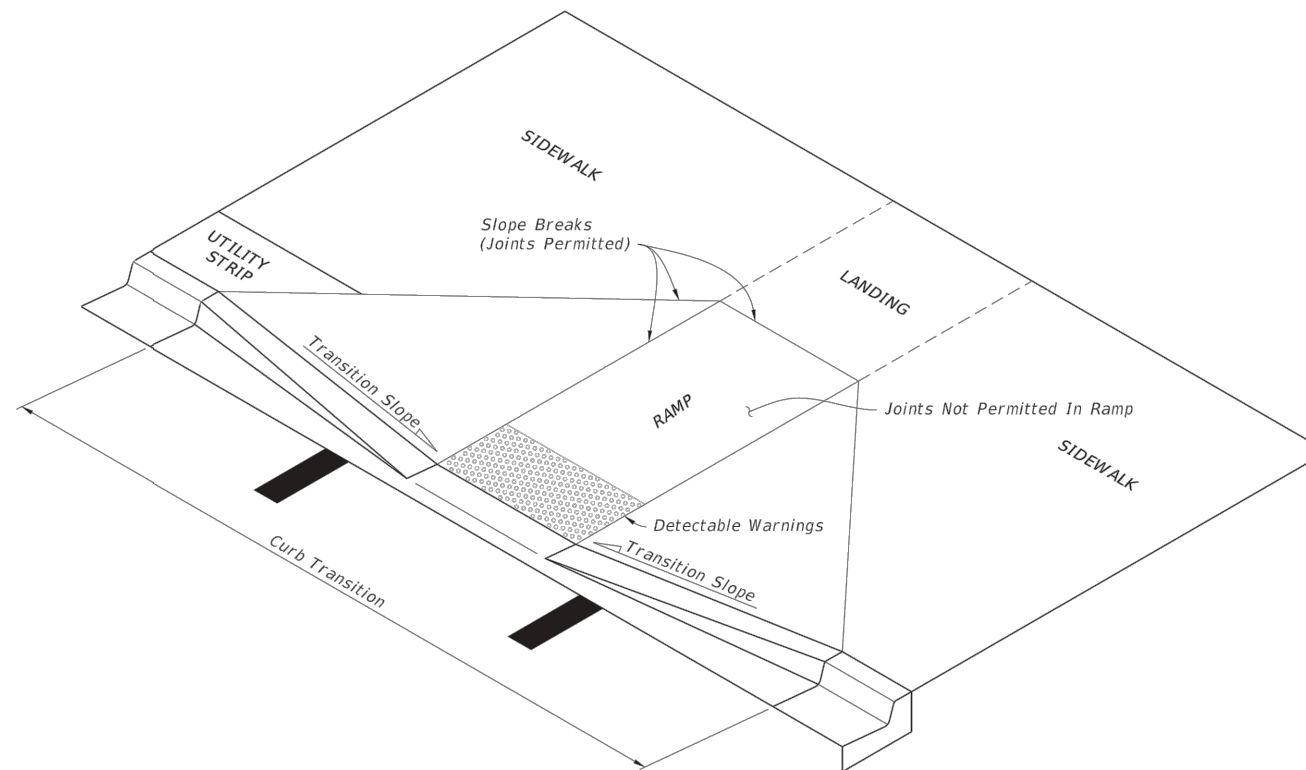
- A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
- B. Alpha-identifications CR-I and CR-J are intentionally omitted.

5. Detectable Warnings:

- A. Install detectable warnings in accordance with Specification 527.
- B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
- C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.

6. Detectable Warnings - Acceptance Criteria:

- A. Color and texture shall be complete and uniform.
- B. 90% of individual truncated domes shall be in accordance with the Americans with Disabilities Act Standards for Transportation Facilities, Section 705.
- C. There shall be no more than 4 non-compliant domes in any one square foot.
- D. Non-compliant domes shall not be adjacent to other non-compliant domes.
- E. Surfaces shall not deviate more than 0.10" from a true plane.



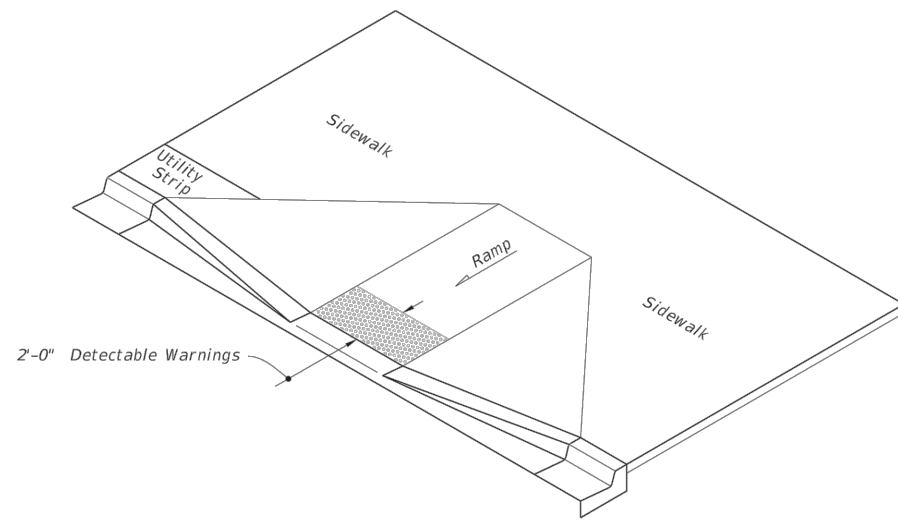
————— CURB RAMP NOMENCLATURE —————

12/4/2018 6:55:51 AM

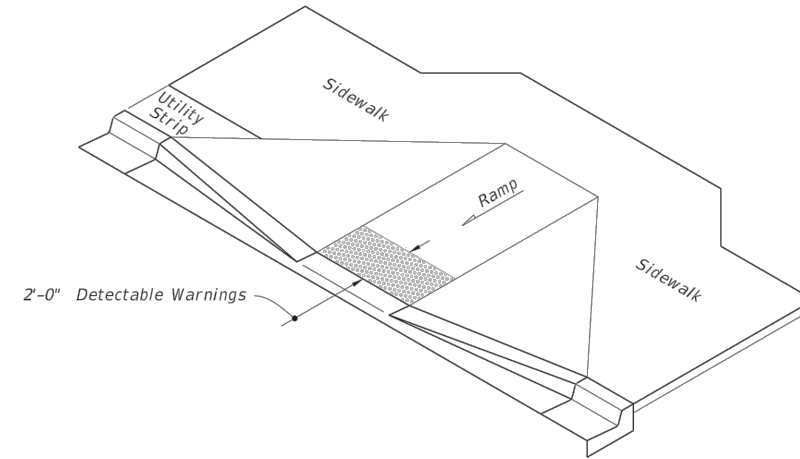
LAST REVISION 11/01/18	REVISION	DESCRIPTION:		FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 1 of 8
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EXHIBIT "A"

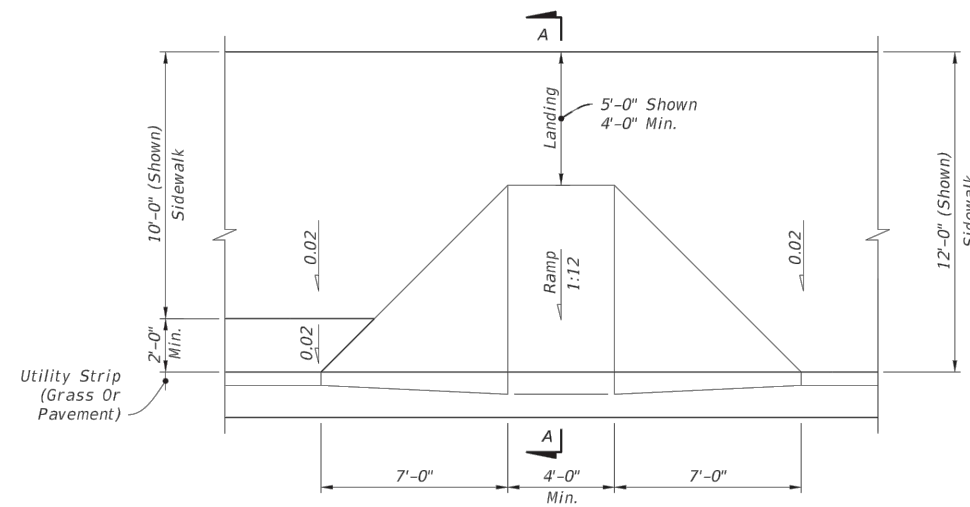
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PROJECT NO. 17002	REV. 0																													
SHEET 6 OF 18																														



ISOMETRIC VIEW



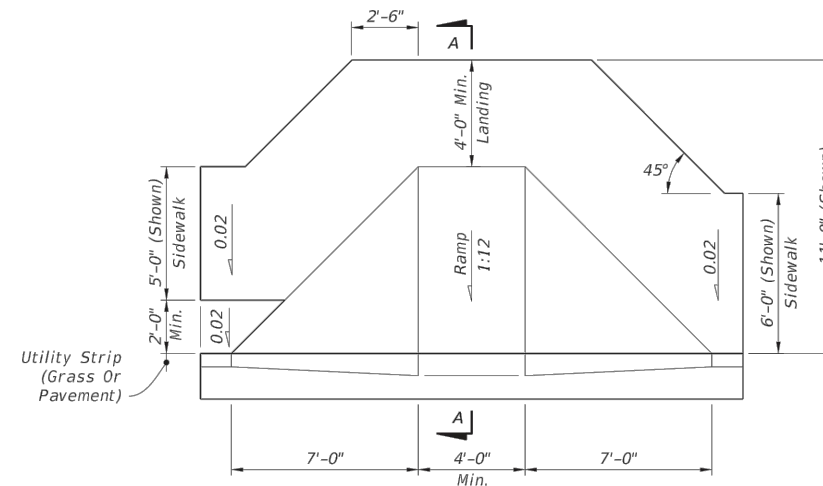
ISOMETRIC VIEW



PLAN VIEW

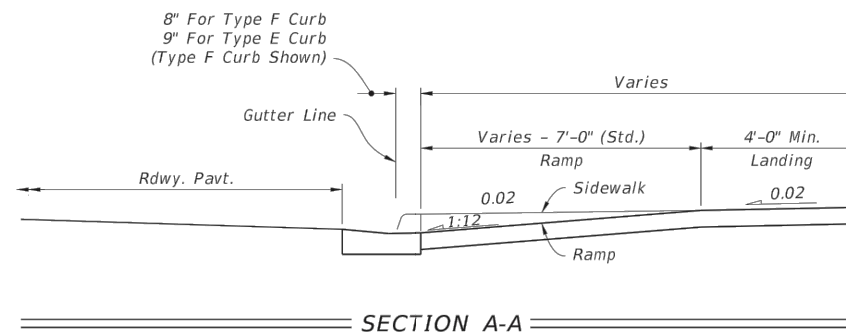
NOTE: For Example of CR-A used in Radial Curb Returns, See Sheet 8.

CR-A



PLAN VIEW

CR-B



SECTION A-A

SIDEWALK CURB RAMPS CR-A AND CR-B

LAST REVISION 11/01/18	REVISION	DESCRIPTION:	FDOT	FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 2 of 8
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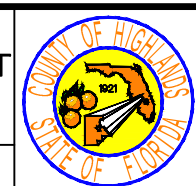
REVISIONS		STATUS
DATE	BY	DESCRIPTION

FOR BIDDING

DESIGNED BY: J.D. LANGFORD, P.E.
 DRAWN BY: STACEY MAHONEY
 CHECKED BY: KENYA ANDERSON
 IN CHARGE: J.D. LANGFORD, P.E.
 DATE: 11/15/2019

HIGHLANDS COUNTY ENGINEERING DEPARTMENT
 505 S. COMMERCE AVENUE
 SEBRING, FLORIDA 33870

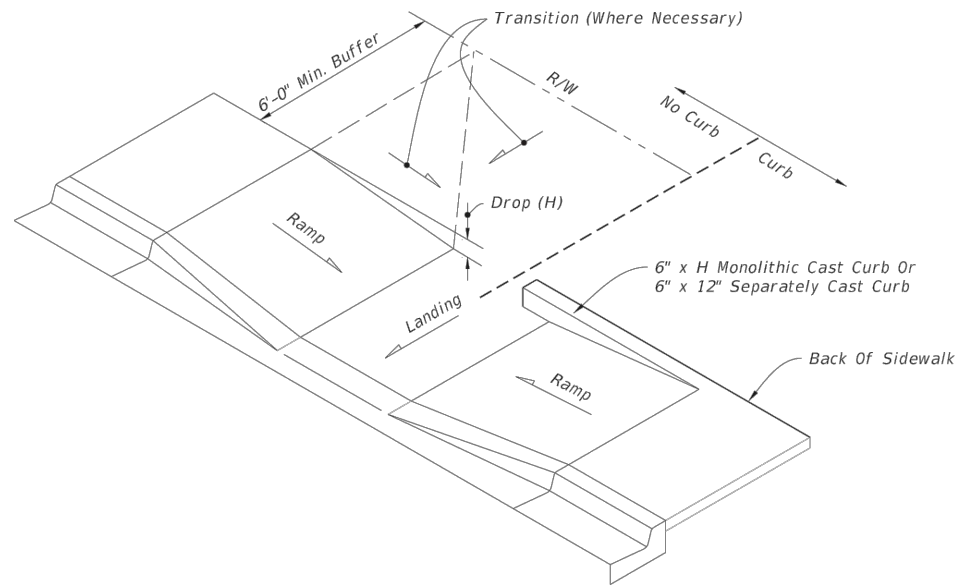
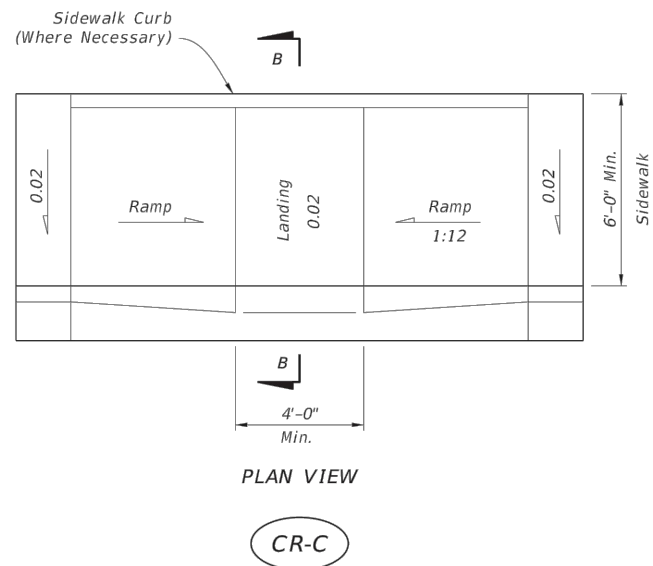
APPROVED BY: JAMES DAVID LANGFORD, JR., P.E.
 FLORIDA REGISTRATION NO.: 78402



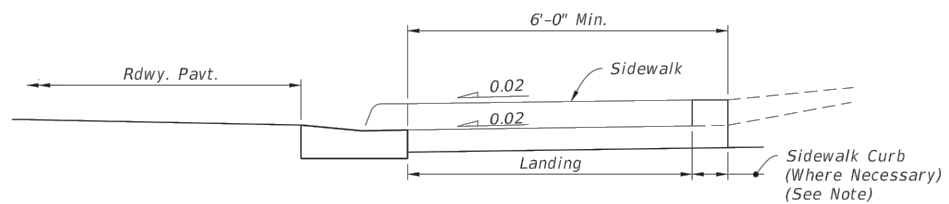
YOUTH CARE LANE
 SIDEWALK IMPROVEMENTS
 FDOT STANDARD PLAN

SCALE: HORIZ. N/A VERT. N/A	PROJECT NO. 17002	REV. 0
SHEET 7 OF 18		

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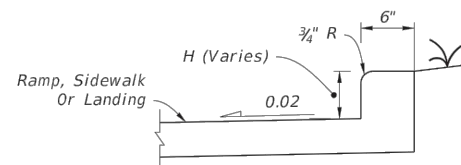


CONSTRUCTION OF SIDEWALK CURB IN CUT SECTIONS

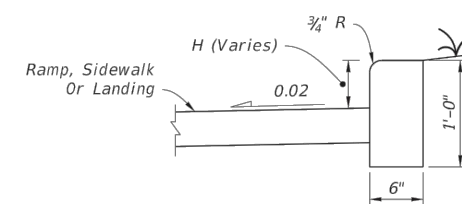


NOTE: For additional information on sidewalk curb construction, see SIDEWALK CURB OPTIONS details.

SECTION B-B



MONOLITHIC CAST CURB



SEPARATELY CAST CURB

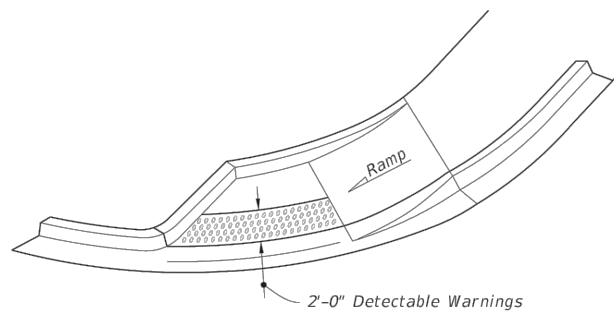
SIDEWALK CURB OPTIONS

SIDEWALK CURB RAMPS CR-C AND SIDEWALK CURB

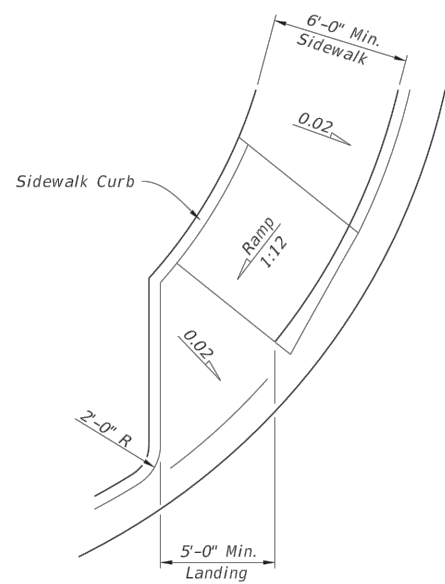
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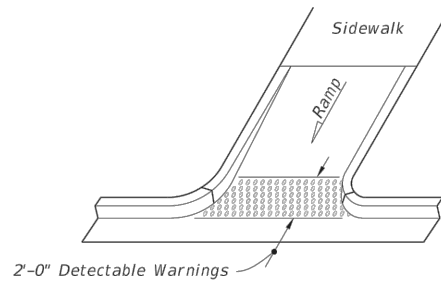


ISOMETRIC VIEW

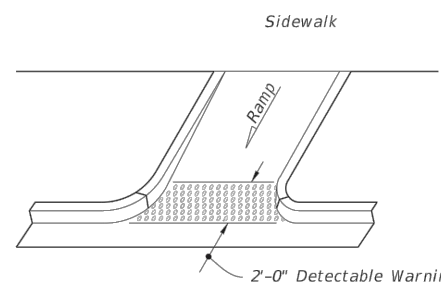


PLAN VIEW

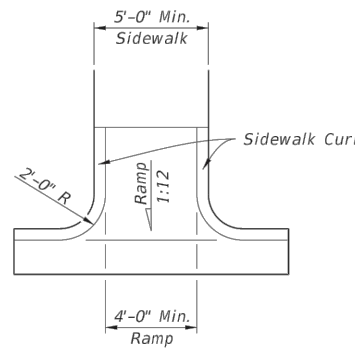
CR-D



OPTION A

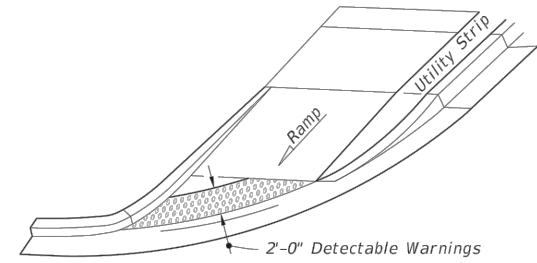


OPTION B
ISOMETRIC VIEW

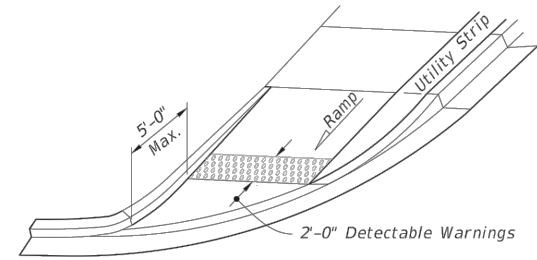


PLAN VIEW

CR-E

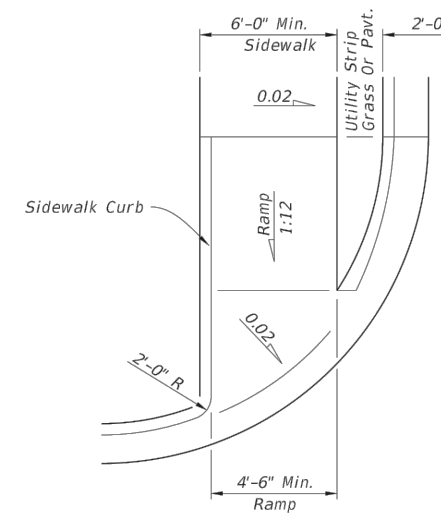


OPTION A



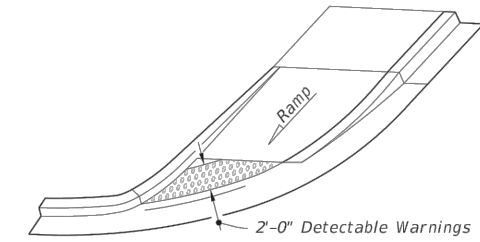
OPTION B

ISOMETRIC VIEW

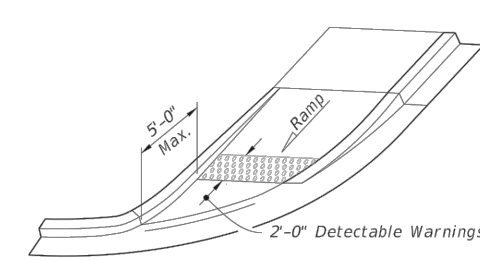


PLAN VIEW

CR-F

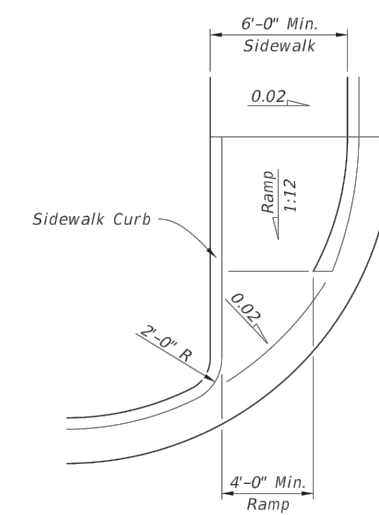


OPTION A



OPTION B

ISOMETRIC VIEW



PLAN VIEW

CR-G

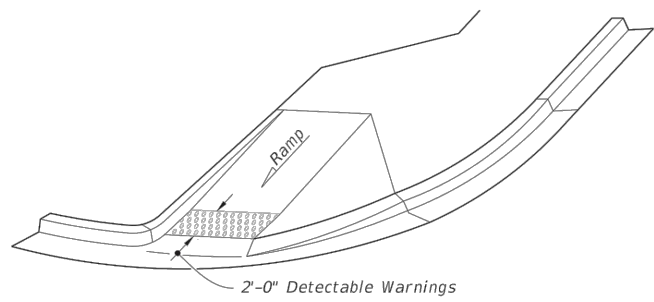
SIDEWALK CURB RAMPS CR-D, CR-E, CR-F & CR-G

LAST REVISION 11/01/18	DESCRIPTION:		FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 4 of 8

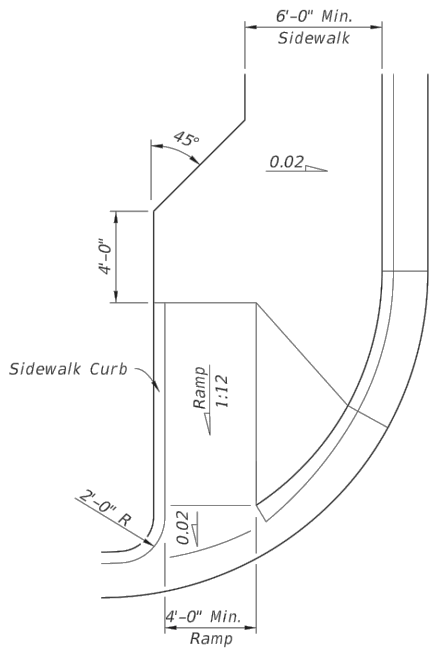
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					APPROVED BY: JAMES DAVID LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402		DATE:						SHEET 9 OF 18	

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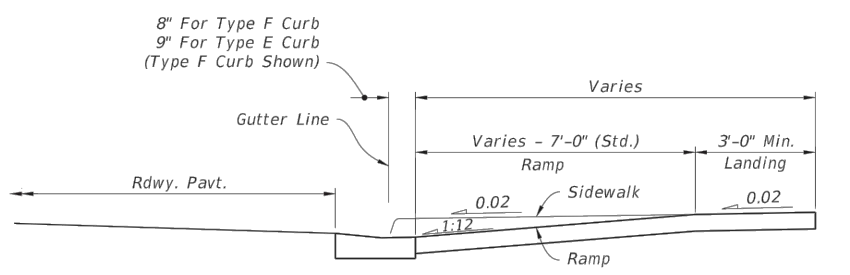


ISOMETRIC VIEW

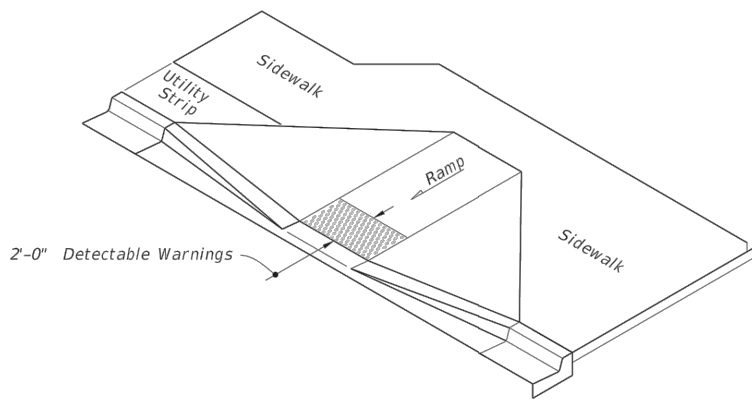


PLAN VIEW

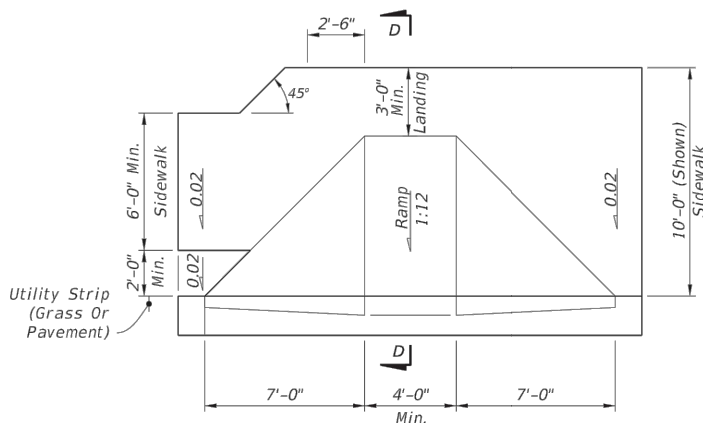
CR-H



SECTION D-D

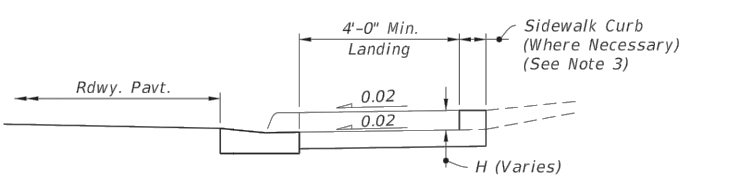


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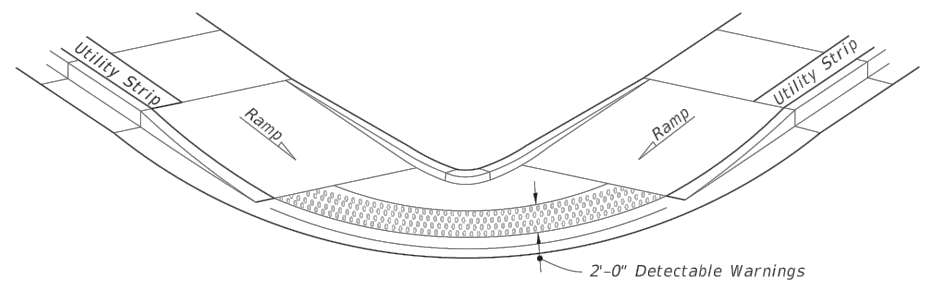


PLAN VIEW

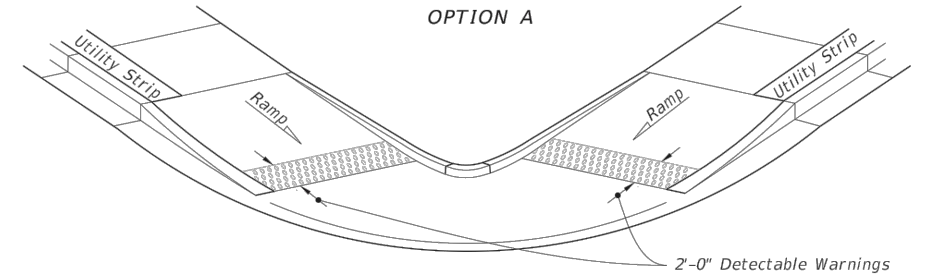
CR-K



SECTION E-E

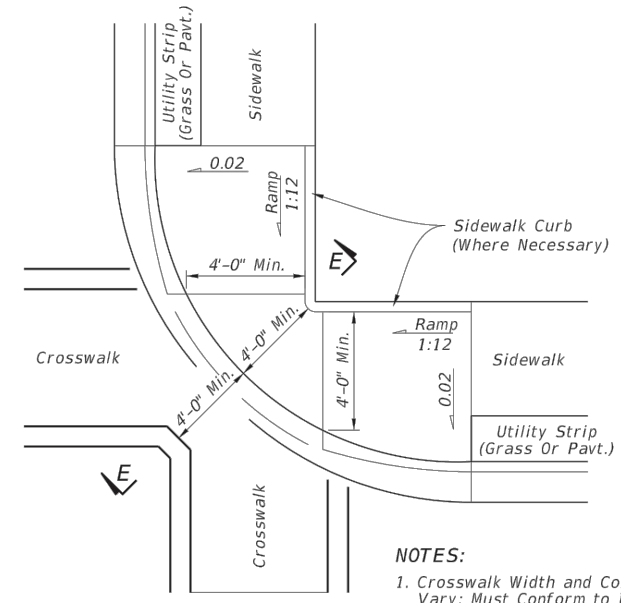


OPTION A



OPTION B

ISOMETRIC VIEW



PLAN VIEW

CR-L

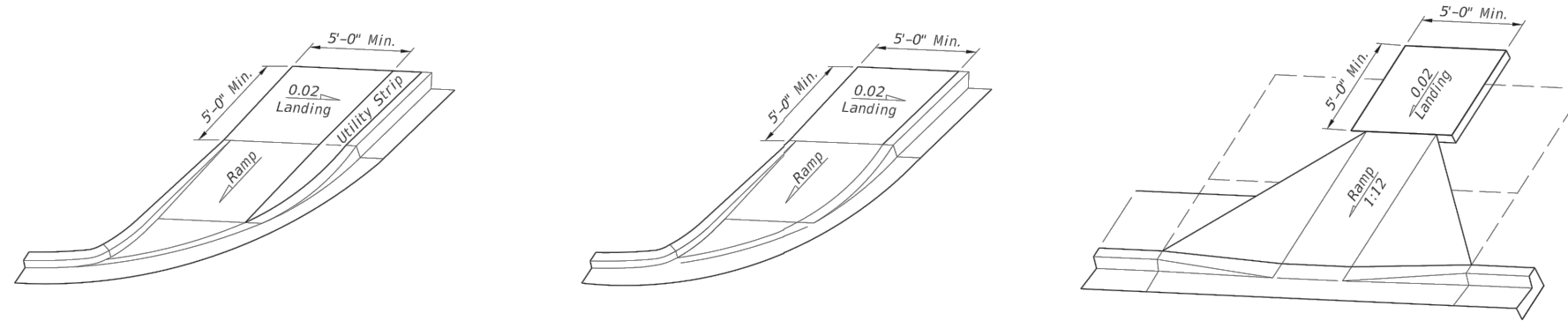
- NOTES:
1. Crosswalk Width and Configuration Vary; Must Conform to Index 711-001.
 2. 15' Radius Curve Shown for CR-L.
 3. For additional information on sidewalk curb construction, see SIDEWALK CURB OPTIONS details, on Sheet 3.

SIDEWALK CURB RAMPS CR-H, CR-K & CR-L

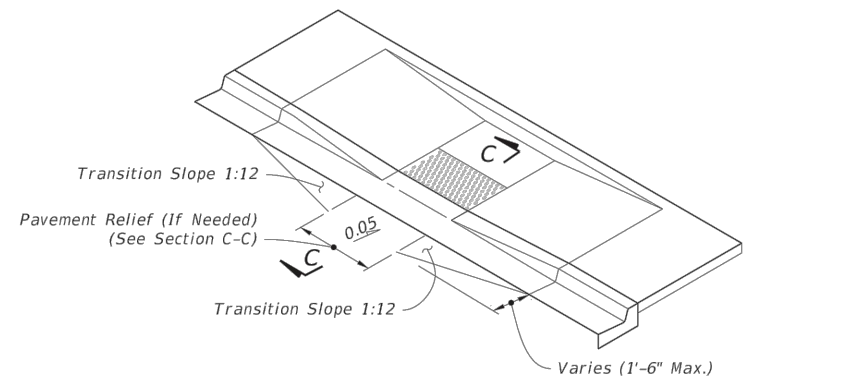
LAST REVISION 11/01/18	DESCRIPTION:		FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 5 of 8
REVISION						

EXHIBIT "A"

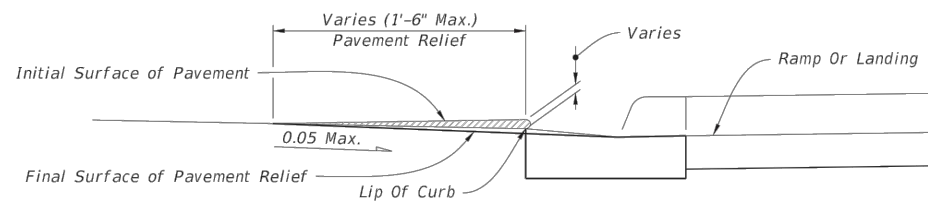
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LANDINGS FOR CURB RAMPS WITHOUT SIDEWALKS
 (See CR-F, CR-G & CR-K Respectively For Detectable Warning Details/Options)

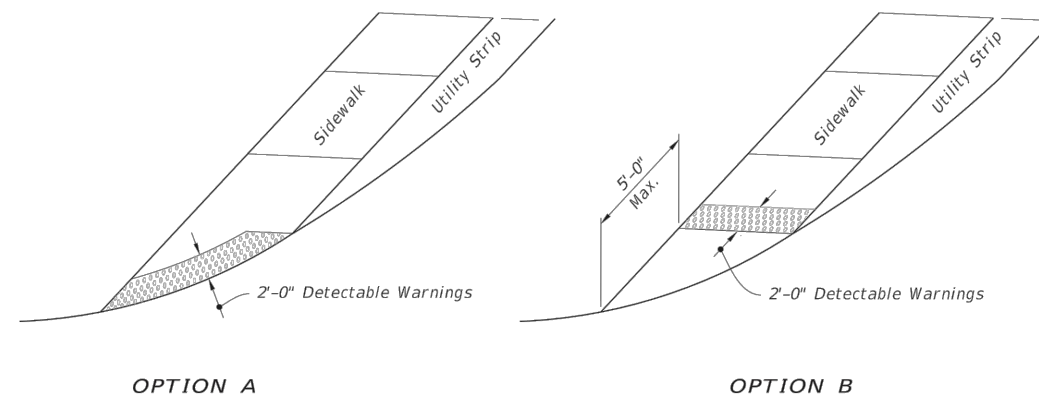


ISOMETRIC VIEW
 (CR-C Shown, Other Similar)



NOTE: Remove Elevated Pavement By Spading And Rolling, Smooth Milling, or Grinding.

SECTION C-C
 PAVEMENT RELIEF DETAILS



OPTION A

OPTION B

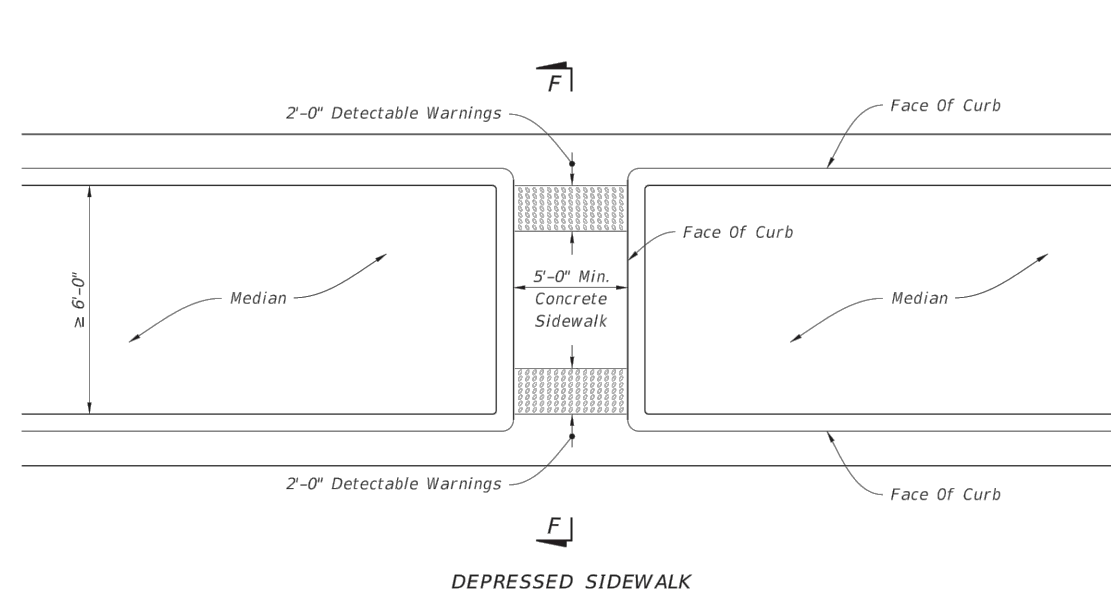
DETECTABLE WARNING ON FLUSH SHOULDER SIDEWALKS

CURB RAMPS WITHOUT SIDEWALKS AND FLUSH SHOULDER SIDEWALKS

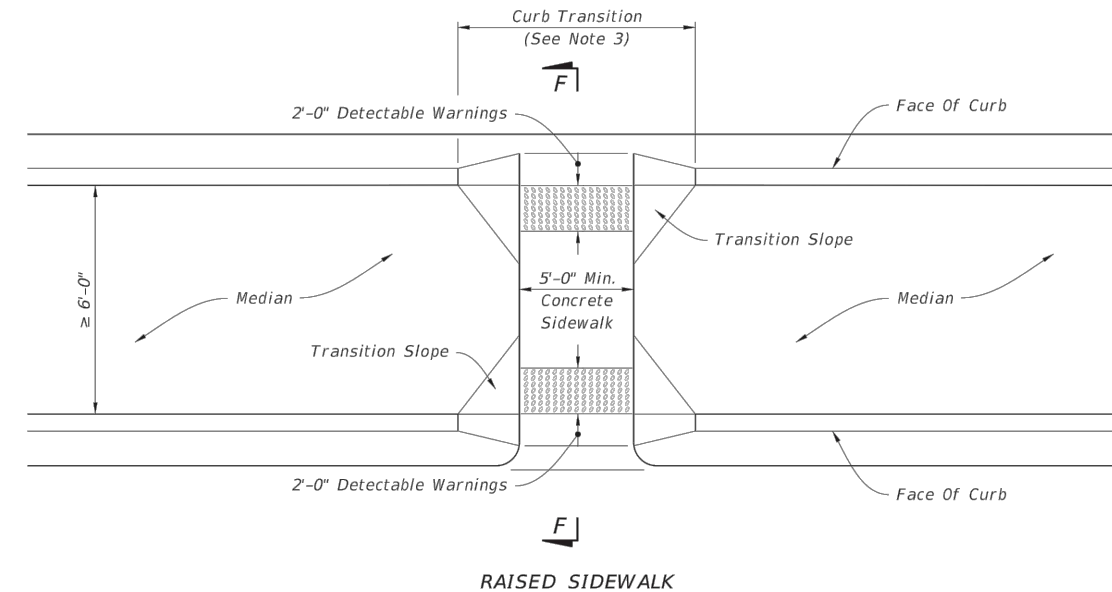
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					522-002	6 of 8

EXHIBIT "A"

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					APPROVED BY: JAMES DAVID LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402		DATE:				SHEET 11 OF 18			



DEPRESSED SIDEWALK

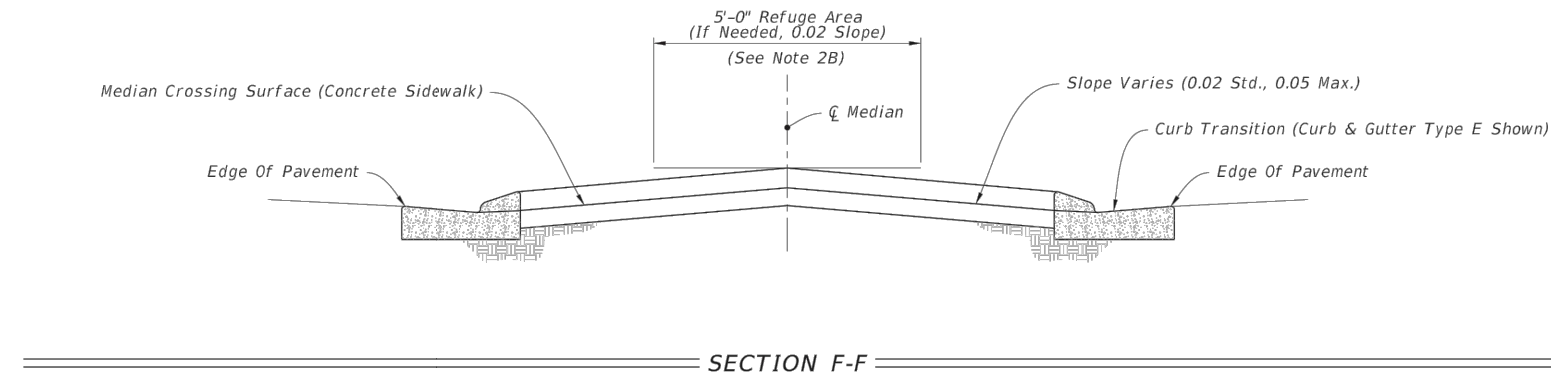


RAISED SIDEWALK

MEDIAN CROSSINGS

NOTES:

1. Cross Slope of the median crossing not to exceed 0.02.
2. Running Slopes:
 - A. Slopes ≤ 0.05 : For roadway cross sections where the Edge of Pavement elevation is the same for both directions of traffic, the median crossing running slopes (0.02 Typ.) should meet at the centerline of the median. For roadway cross sections with variable Edge of Pavement elevations, or to accommodate other construction in the median, the slopes may intersect off the centerline of the median.
 - B. Slopes > 0.05 : Provide a median refuge area (landing, 0.02 slope) for crossings with running slopes > 0.05 . The refuge area must extend the full width of the crossing and have a minimum length of 5 feet.
3. On existing facilities, remove and reconstruct curb transition for raised sidewalk with ramp.



SECTION F-F

MEDIAN CROSSING

LAST REVISION 11/01/17	DESCRIPTION:		FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 7 of 8

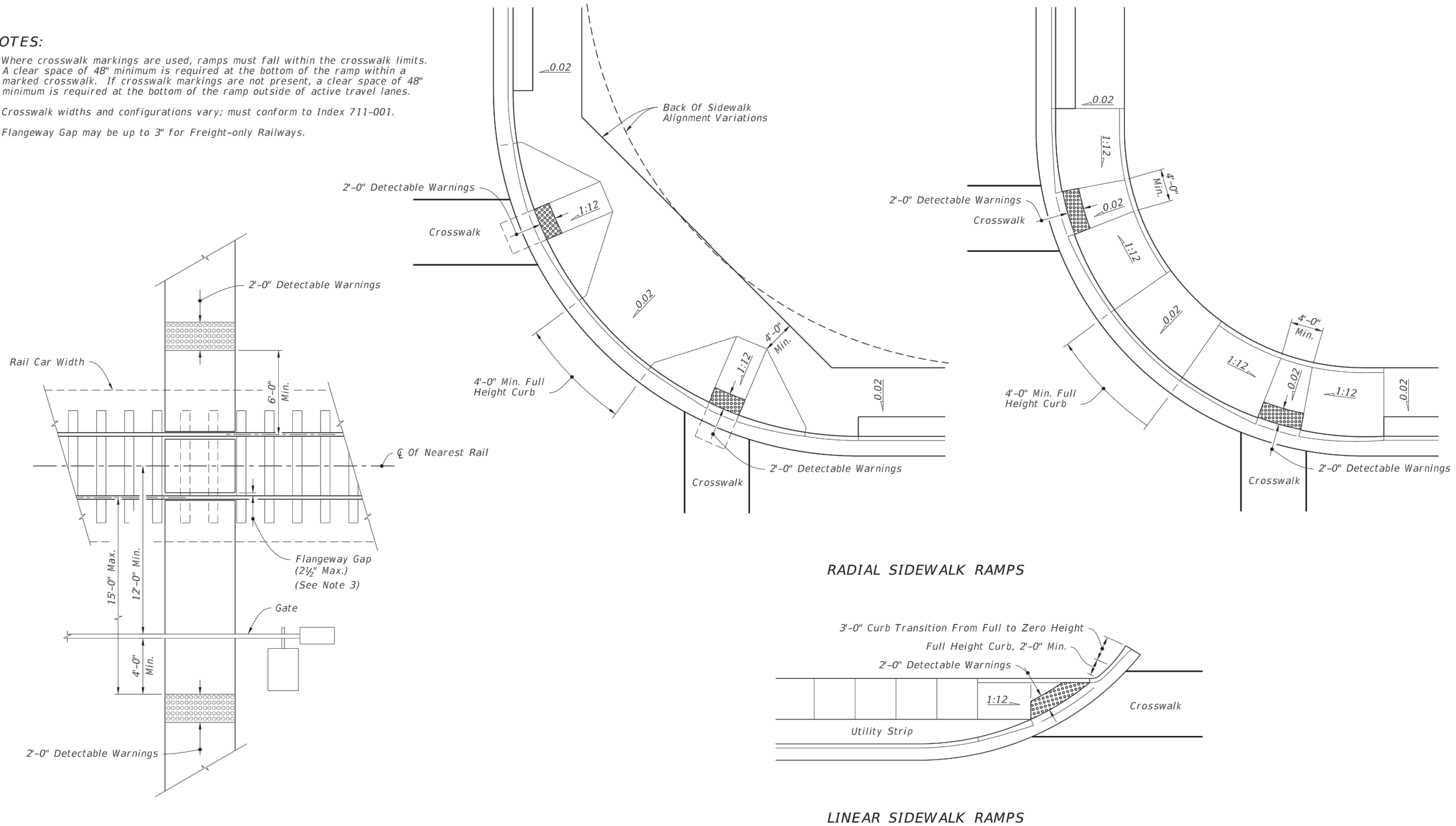
EXHIBIT "A"

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NOTES:

- Where crosswalk markings are used, ramps must fall within the crosswalk limits. A clear space of 48" minimum is required at the bottom of the ramp within a marked crosswalk. If crosswalk markings are not present, a clear space of 48" minimum is required at the bottom of the ramp outside of active travel lanes.
- Crosswalk widths and configurations vary; must conform to Index 711-001.
- Flangeway Gap may be up to 3" for Freight-only Railways.



12/4/2018 6:56:33 AM

RAILROAD CROSSING PLACEMENT OF SIDEWALK CURB RAMPS AT CURBED RETURNS (TYP.)

RAILROAD CROSSING AND CURB RAMPS AT CURBED RETURNS

LAST REVISION 11/01/17	DESCRIPTION:		FY 2019-20 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 8 of 8
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EXHIBIT "A"

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DATE	BY	DESCRIPTION																						

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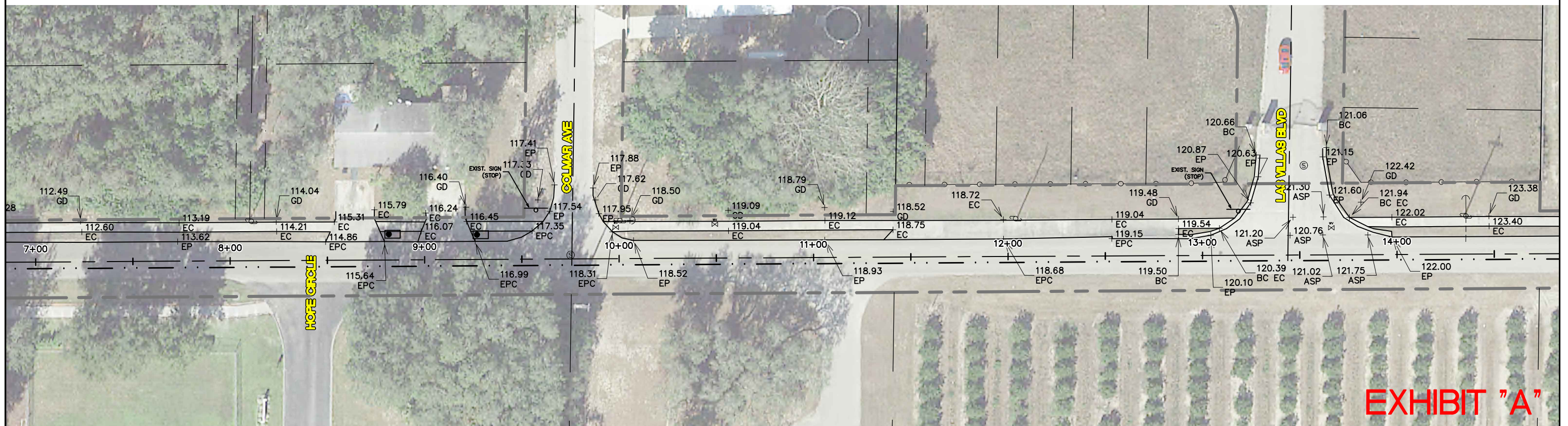
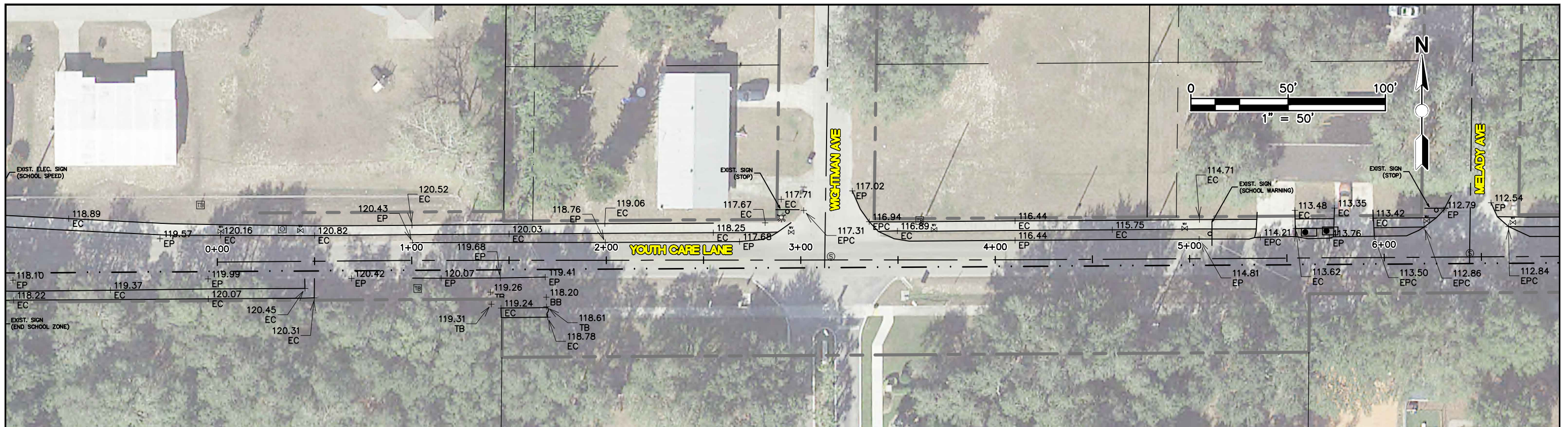
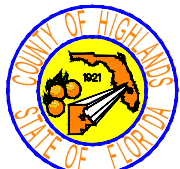


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REVISIONS			STATUS		HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		YOUTH CARE LANE SIDEWALK IMPROVEMENTS EXISTING CONDITIONS		SCALE: HORIZ. 1"=50' VERT. N/A	
DATE	BY	DESCRIPTION	FOR BIDDING				PROJECT NO. 17002	REV. 0		
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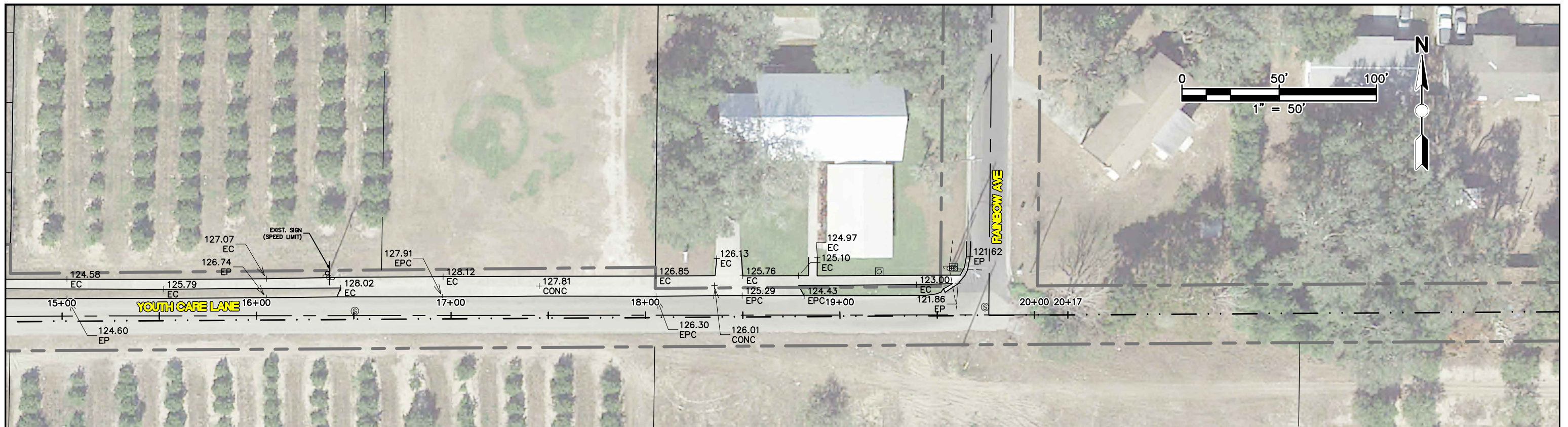
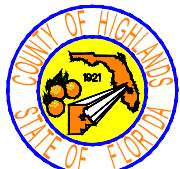
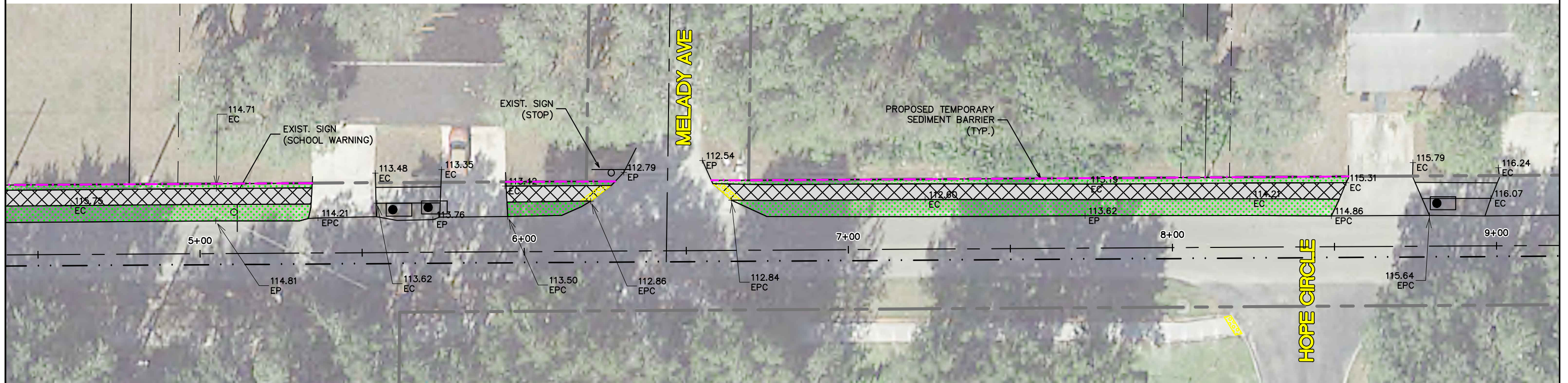
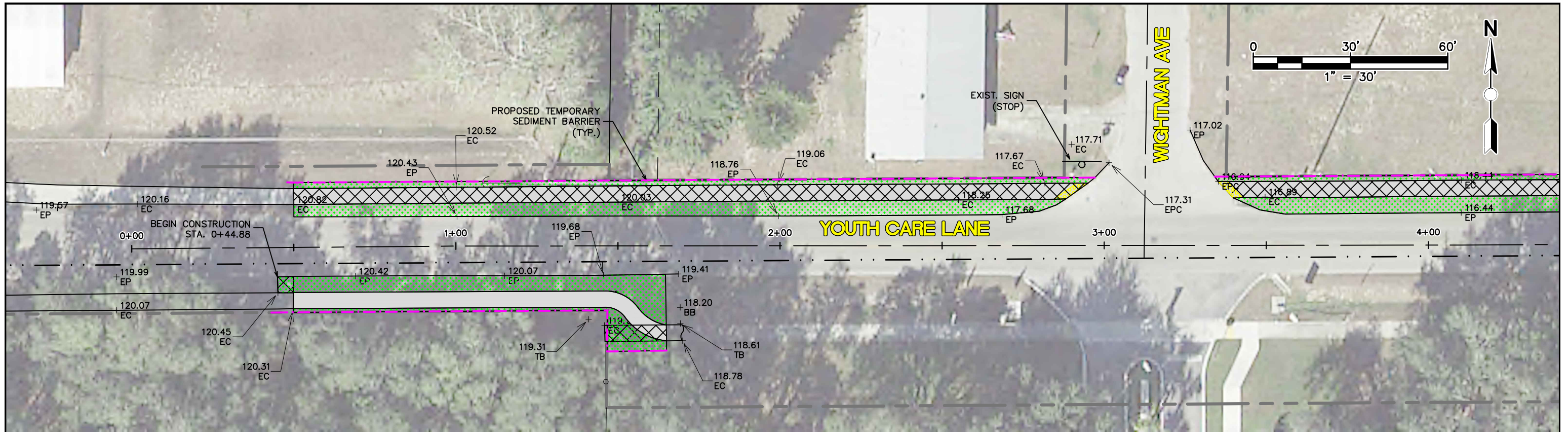


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- EXISTING SIDEWALK TO BE REMOVED
- PROPOSED CONCRETE SIDEWALK
- PROPOSED DETECTABLE WARNING
- PROP. SOD
- PROP. TEMPORARY SEDIMENT BARRIER (SILT FENCE)

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DESIGNED BY:
J.D. LANGFORD, P.E.

DRAWN BY:
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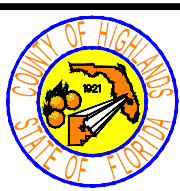
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11/15/2019

**HIGHLANDS COUNTY
ENGINEERING DEPARTMENT**

505 S. COMMERCE AVENUE
SEBRING, FLORIDA 33870

APPROVED BY: JAMES D. LANGFORD, JR., P.E.
FLORIDA REGISTRATION NO.: 78402

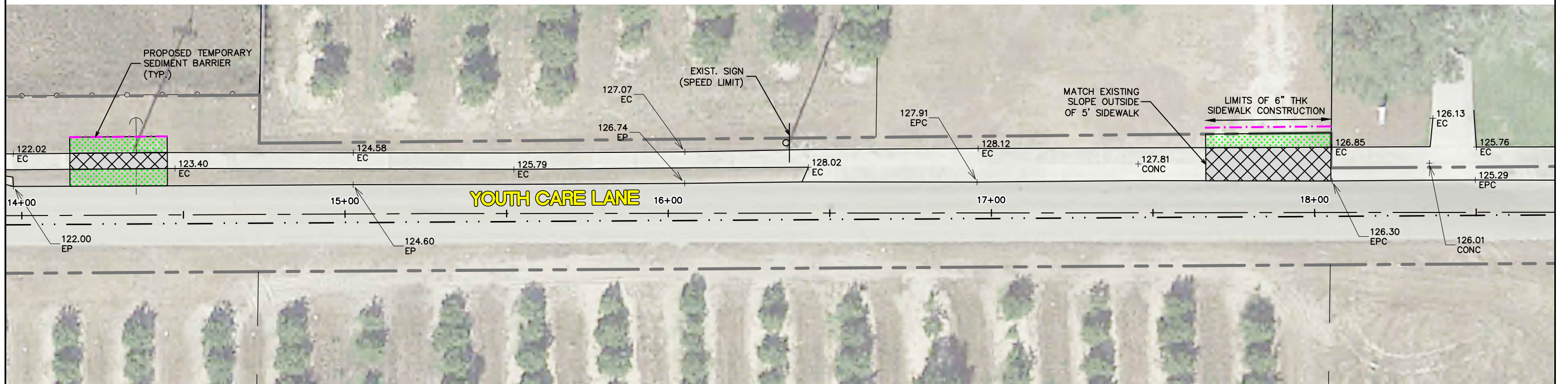
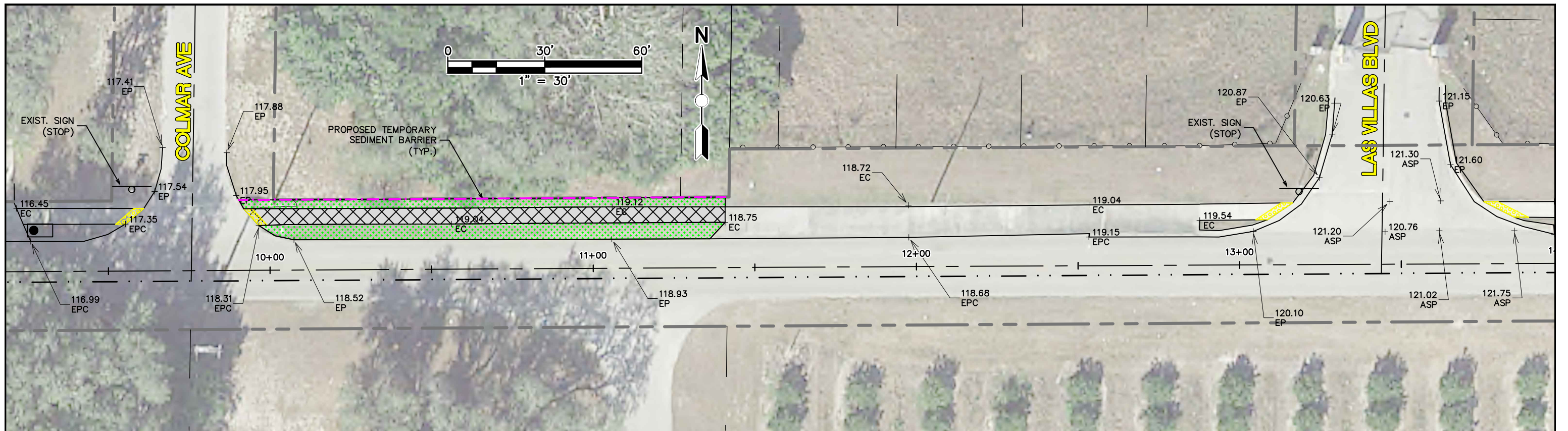
DATE: _____



YOUTH CARE LANE
SIDEWALK IMPROVEMENTS
PROPOSED IMPROVEMENTS PLAN

SCALE: HORIZ. 1"=30' VERT. N/A	
PROJECT NO. 17002	REV. 0
SHEET 16 OF 18	

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REVISIONS			STATUS		<div style="font-size: 24px; font-weight: bold; color: red;">FOR BIDDING</div>	DESIGNED BY: J.D. LANGFORD, P.E. DRAWN BY: STACEY MAHONEY CHECKED BY: KENYA ANDERSON IN CHARGE: J.D. LANGFORD, P.E. DATE: 11/15/2019	HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		YOUTH CARE LANE SIDEWALK IMPROVEMENTS		SCALE: HORIZ. 1"=30' VERT. N/A
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- EXISTING SIDEWALK TO BE REMOVED
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