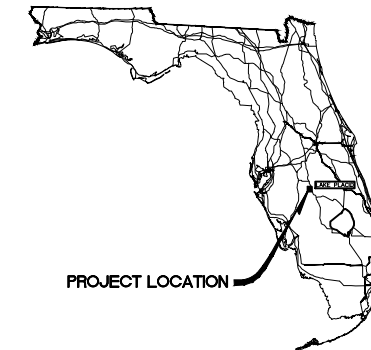
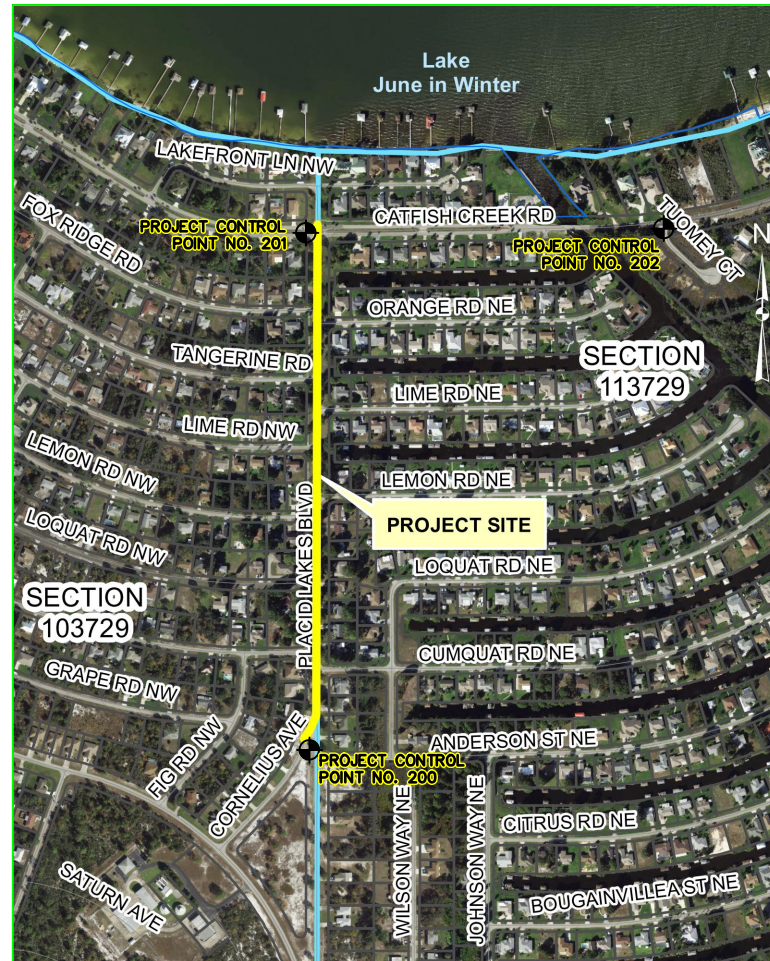


- SHEET DESCRIPTION**
- 1 COVER SHEET
 - 2 GENERAL NOTES, SPECIFICATIONS,
 - 3 LEGEND
 - 4-10 PLAN
 - 11-12 FDOT DETAILS

HIGHLANDS COUNTY BOARD OF COUNTY COMMISSIONERS CONSTRUCTION PLANS FOR PLACID LAKES SIDEWALK IMPROVEMENTS ADA TRANSITION PLAN HIGHLANDS COUNTY PROJECT NO. 20004



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.



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

GOVERNING STANDARDS AND SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS DATED 2016, AS AMENDED BY CONTRACT DOCUMENTS.

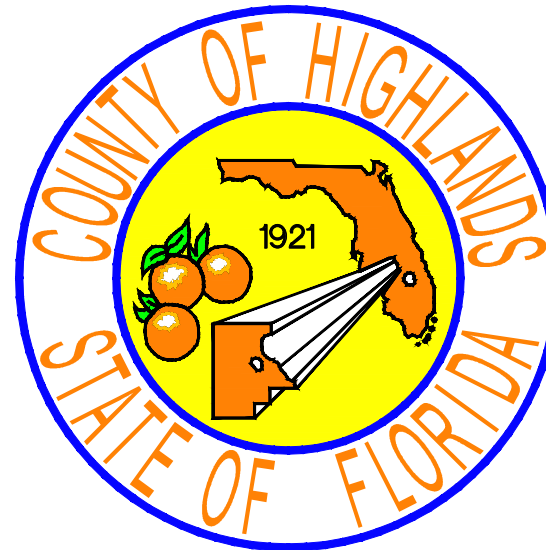
https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/roadway/floridagreenbook/2016floridagreenbookfinal-982972170.pdf?sfvrsn=946ed802_2

GOVERNING STANDARDS AND SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2020/2021 STANDARD PLANS AND REVISED INDEX DRAWINGS AS APPENDED HEREIN, AND JULY 2020 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION; AS AMENDED BY CONTRACT DOCUMENTS.

HIGHLANDS COUNTY TECHNICAL STANDARDS MANUAL, THROUGH RESOLUTION 14-15-60.
[http://cms2.revize.com/revize/highlandscounty/document_center/LDRS%20thru%20Ord%2017-18-15%20\(7-25-18\).pdf](http://cms2.revize.com/revize/highlandscounty/document_center/LDRS%20thru%20Ord%2017-18-15%20(7-25-18).pdf)

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.



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

ENGINEER OF RECORD
JAMES D. LANGFORD, JR., P.E.

RIGHT-OF-WAY WIDTH = 100' WIDTH
APPROXIMATE PROJECT LENGTH = 2160 LF (0.4 MILE)
POSTED SPEED LIMIT = 35 MPH

UTILITY COMPANIES

DUKE ENERGY
4728 KENILWORTH BLVD
SEBRING, FL 33870
MARK MANNER
(863) 678-4476

HIGHLANDS COUNTY TRAFFIC
505 SOUTH COMMERCE AVE.
SEBRING, FL 33870
EDWARD CARDONA
863-402-6536 Ext:6536

PLACID LAKES UTILITIES
410 WASHINGTON BLVD. NW
LAKE PLACID, FL 33852
863-465-0345

CENTURY LINK
924 MEMORIAL DRIVE
AVON PARK, FL 33825
KEN LUTZ
863-452-3185

COMCAST
12600 WESTLINKS DR. SUITE #4
FORT MYERS FL, 33913
LYNN DUNDAS
CONSTRUCTION SPECIALIST II
CELL 239-896-6328

PLACID LAKE SIDEWALK IMPROVEMENTS HIGHLANDS COUNTY PROJECT NO. 20004			
BASE BID			
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	TESTING	1	LS
5	MAINTENANCE OF TRAFFIC	1	LS
6	REMOVAL OF EXISTING CONCRETE SIDEWALK	405	SY
7	REMOVAL OF EXISTING ASPHALT PAVEMENT ROADWAY	3	SY
8	MILLING EXISTING ASPH PAVT, 1 1/2" AVG DEPTH	510	SY
9	REGULAR EXCAVATION	6	CY
10	REGULAR EMBANKMENT	6	CY
11	STABILIZATION, TYPE B, LBR 40, 12" COMPACTED THICKNESS SIDE STREET CONSTRUCTION	6	SY
12	OPTIONAL BASE, BASE GROUP 6, 8" COMPACTED THICKNESS	6	SY
13	SUPERPAVE ASPHALTIC CONCRETE, 1 1/2" THICK, RAP 30% MAXIMUM (PATCH)	1	TN
14	SUPERPAVE ASPHALTIC CONCRETE, 1 1/2" THICK, RAP 30% MAXIMUM (RESURFACE)	50	TN
15	SIDEWALK CONCRETE, 4" THICK, 2,500 PSI MIN	450	SY
16	DETECTABLE WARNING, YELLOW, EMBEDDED	201	SF
17	PERFORMANCE TURF (SOD)	540	SY
18	REMOVE AND REINSTALL EXISTING STOP SIGNS	7	AS
19	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 12"	325	LF
20	TEMPORARY PAINTED PAVEMENT MARKINGS, STD, WHITE, SOLID, 24"	125	LF
21	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	325	LF
22	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	125	LF

PROJECT CONTROL POINTS				
Point Number	Easting	Northing	Elevation	Description
200	526477.1010'	1067792.2220'	107.14'	Set Iron Rod w/ cap stamped "Highlands County"
201	526459.4950'	1070234.9910'	76.04'	Set Iron Rod w/ cap stamped "Highlands County"
202	528150.1850'	1070255.0660'	77.82'	Set Iron Rod w/ cap stamped "Highlands County"

REVISIONS	STATUS	DESIGNED BY: N/A	HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		SCALE: HORIZ. N/A VERT. N/A		
DATE	BY	DRAWN BY: xxxx			FOR BID	PLACID LAKES SIDEWALK PROJECT SIDEWALK IMPROVEMENTS	PROJECT NO. N/A
		CHECKED BY: J.D. LANGFORD, P.E.					REV. 0
		IN CHARGE: J.D. LANGFORD, P.E.					COVER SHEET
		DATE: 1/13/2021					APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402

g:\PROJECTS\2020\20004 placid lakes sidewalk\all drawings\20004 Placid Lakes Sidewalks.dwg, 1 COV, Colors As Black Except Gray Colors.ctb

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 THE 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

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 REQUIREMENTS 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 THAT 1/4 INCH UNDER A 10 FOOT STRAIGHTEDGE OR MORE THAT 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 AND 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 NOTES:

- 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 OF SIDEWALK 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)


<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <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> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			REVISIONS			DATE	BY	DESCRIPTION													<table border="1"> <thead> <tr> <th colspan="2">STATUS</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center; color: red; font-weight: bold;">FOR BID</td> </tr> </tbody> </table>	STATUS		FOR BID		<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> </tr> <tr> <td>DRAWN BY: DOUG NIETUBICZ</td> </tr> <tr> <td>CHECKED BY: J.D. LANGFORD, P.E.</td> </tr> <tr> <td>IN CHARGE: J.D. LANGFORD, P.E.</td> </tr> <tr> <td>DATE: 2/23/2021</td> </tr> </table>	DESIGNED BY: J.D. LANGFORD, P.E.	HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870	DRAWN BY: DOUG NIETUBICZ	CHECKED BY: J.D. LANGFORD, P.E.	IN CHARGE: J.D. LANGFORD, P.E.	DATE: 2/23/2021		<table border="1"> <tr> <td colspan="2" style="text-align: center;"> PLACID LAKES SIDEWALK PROJECT SIDEWALK IMPROVEMENTS GENERAL NOTES & QUANTITIES </td> </tr> <tr> <td>APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402</td> <td>DATE:</td> </tr> </table>	PLACID LAKES SIDEWALK PROJECT SIDEWALK IMPROVEMENTS GENERAL NOTES & QUANTITIES		APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402	DATE:	<table border="1"> <tr> <td>SCALE: HORIZ. N/A VERT. N/A</td> <td>PROJECT NO. N/A</td> <td>REV. 0</td> </tr> <tr> <td colspan="3" style="text-align: center;">SHEET 2 OF 12</td> </tr> </table>	SCALE: HORIZ. N/A VERT. N/A	PROJECT NO. N/A	REV. 0	SHEET 2 OF 12		
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LINE LEGEND		
	OW	OVERHEAD WIRES
	BE	BURIED ELECTRIC
	CAS	CONDUIT & CASEMENTS
	BFO	BURIED FIBER OPTIC
	BT	BURIED TELEPHONE
	FM	FORCE MAIN
	G	GAS LINE
	W	WATER LINE
	CTV	CABLE TELEVISION
		WIRE FENCE
		CHAIN LINK FENCE
		WOOD FENCE
		EXISTING TOP OF BANK
		EXISTING TOE OF SLOPE
		EXISTING EDGE OF SHELL ROCK
		EXISTING RIGHT OF WAY LINE
		PROPOSED RIGHT OF WAY LINE
		EXISTING GRADE AT R/W RT (PROFILE VIEW)
		EXISTING GRADE AT R/W LT (PROFILE VIEW)
		EXISTING GRADE AT CONST BL (PROFILE VIEW)
		EXISTING CONTOURS WITH ELEVATIONS
		PROPOSED CONTOURS WITH ELEVATIONS
		EXISTING GUARDRAIL
		EXISTING EASEMENT
		GOVERNMENT FRACTIONAL LINES
		LOT LINES
		PROPOSED SOD SHOULDER LINE
		PROPOSED BACK OF DITCH
		PROFILE GRADE LINE (PROFILE VIEW)
		PROPOSED CURVE RETURN
		PROPOSED CENTERLINE OR BASELINE

SYMBOL LEGEND	
	BENCHMARK
	CONCRETE MONUMENT
	IRON ROD OR IRON PIPE
	NAIL AND DISK
	CLEANOUT
	ELECTRIC METER
	FLAG ELECTRIC
	FLAG FIBER OPTIC
	FLAG GAS
	FLAG SEWER
	FLAG TELEPHONE
	FLAG WATER
	FIRE HYDRANT
	GAS VALVE
	ELECTRIC BOX
	TELEPHONE BOX
	TELEVISION BOX
	TRAFFIC SIGNAL BOX
	PEDESTRIAN CROSSWALK
	LIGHT POLE
	MANHOLE DRAINAGE
	MANHOLE OTHER
	MANHOLE SEWER
	MANHOLE TELEPHONE
	MONITORING WELL
	UTILITY POLE
	WATER METER
	WATER VALVE
	WELL
	EXISTING GRADE SHOT
	PROPOSED ELEVATIONS
	BOLLARD
	MAIL BOX
	SIGN
	MITERED END SECTION
	GUY ANCHOR

ABBREVIATIONS	
A.D.	ALGEBRAIC DIFFERENCE
BFS	BEGIN FULL SUPER
BL	BASELINE
BNC	BEGIN NORMAL CROWN
CMP	CORRUGATED METAL PIPE
CONC.	CONCRETE
CONST.	CONSTRUCTION
EFS	END FULL SUPER
ELEV	ELEVATION
ENC	END NORMAL CROWN
EXIST.	EXISTING
HDPE	HIGH DENSITY POLYETHYLENE PIPE
LC	LONG CHORD
LT	LEFT
MES	MITERED END SECTION
PAVT	PAVEMENT
PC	POINT OF CURVATURE
PGL	PROFILE GRADE LINE
PROP.	PROPOSED
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCP	REINFORCED CONCRETE PIPE
RT	RIGHT
STA	STATION
TYP	TYPICAL

HATCH LEGEND	
	EXISTING CONCRETE SIDEWALK TO BE REMOVED
	CONSTRUCT ASPHALT DRIVEWAY UP TO R/W LINE
	EXISTING CONCRETE DRIVEWAY
	EXISTING SHELL ROCK
	PROPOSED CONCRETE
	PROPOSED ASPHALT
	PROPOSED SOD

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- PROPOSED SOD
- PROP. DETECTABLE WARNING, YELLOW, EMBEDDED
- CONCRETE DEMOLITION
- SAWCUT & REMOVE ASPHALT
- MILL AND RESURFACE
- ASPHALT PATCH
- PROPOSED CONCRETE

REVISIONS		
DATE	BY	DESCRIPTION

FOR BID

DESIGNED BY:
J.D. LANGFORD, P.E.
DRAWN BY:
DOUG NIETUBICZ
CHECKED BY:
J.D. LANGFORD, P.E.
IN CHARGE:
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HIGHLANDS COUNTY
ENGINEERING DEPARTMENT

505 S. COMMERCE AVENUE
SEBRING, FLORIDA 33870

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

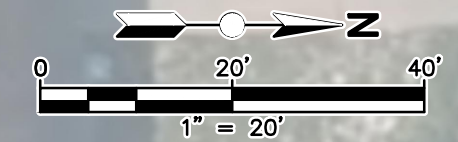


PLACID LAKES SIDEWALK PROJECT
SIDEWALK IMPROVEMENTS

PLAN & PROFILE

SCALE: HORIZ. 1"=20' VERT. N/A	
PROJECT NO. N/A	REV. 0
SHEET 4 OF 12	

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- PROPOSED SOD
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**HIGHLANDS COUNTY
ENGINEERING DEPARTMENT**
505 S. COMMERCE AVENUE
SEBRING, FLORIDA 33870

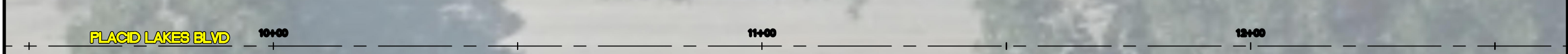
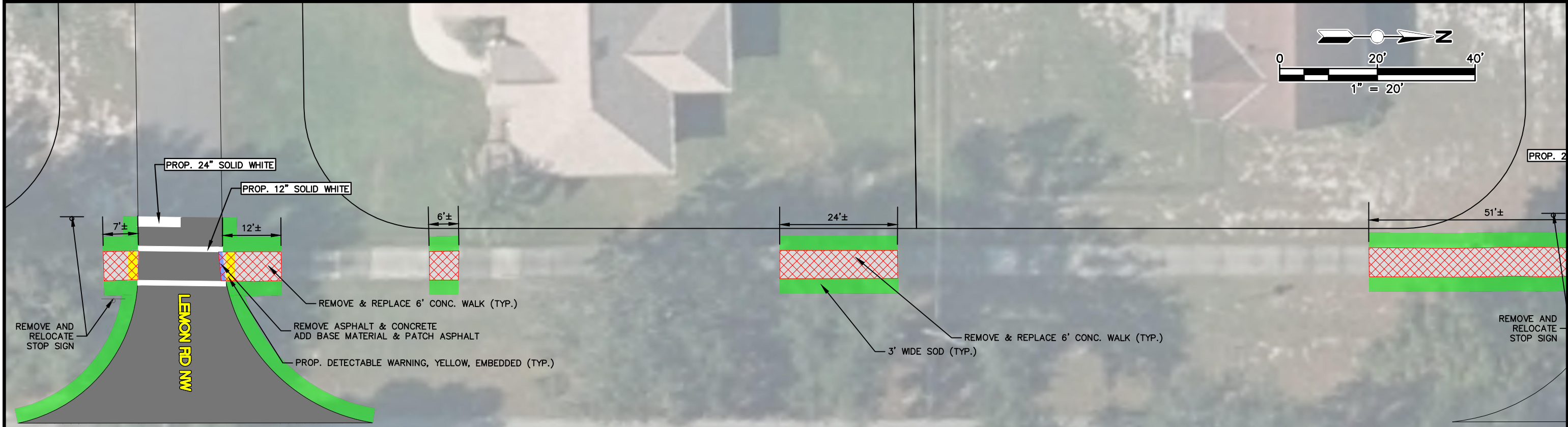
APPROVED BY: JAMES D. LANGFORD, JR., P.E.
FLORIDA REGISTRATION NO.: 78402










**PLACID LAKES SIDEWALK PROJECT
SIDEWALK IMPROVEMENTS**
PLAN & PROFILE

SCALE: HORIZ. 1"=20' VERT. N/A	
PROJECT NO. N/A	REV. 0
SHEET 5 OF 12	

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-  PROPOSED SOD
-  PROP. DETECTABLE WARNING, YELLOW, EMBEDDED
-  CONCRETE DEMOLITION
-  SAWCUT & REMOVE ASPHALT
-  MILL AND RESURFACE
-  ASPHALT PATCH
-  PROPOSED CONCRETE

REVISIONS		STATUS
DATE	DESCRIPTION	
		FOR BID

DESIGNED BY:
J.D. LANGFORD, P.E.
DRAWN BY:
DOUG NIETUBICZ
CHECKED BY:
J.D. LANGFORD, P.E.
IN CHARGE:
J.D. LANGFORD, P.E.
DATE:
2/23/2021

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

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

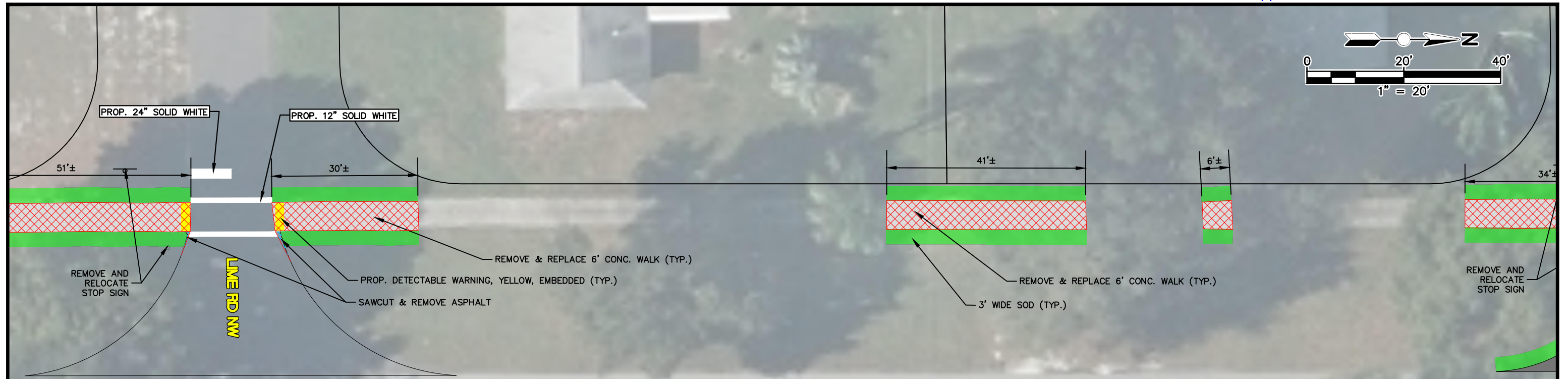


**PLACID LAKES SIDEWALK PROJECT
SIDEWALK IMPROVEMENTS**

PLAN & PROFILE

SCALE: HORIZ. 1"=20' VERT. N/A	
PROJECT NO. N/A	REV. 0
SHEET 6 OF 12	








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PLACID LAKES BLVD 13+00

14+00

15+00

-  PROPOSED SOD
-  PROP. DETECTABLE WARNING, YELLOW, EMBEDDED
-  CONCRETE DEMOLITION
-  SAWCUT & REMOVE ASPHALT
-  MILL AND RESURFACE
-  ASPHALT PATCH
-  PROPOSED CONCRETE

REVISIONS		
DATE	BY	DESCRIPTION

STATUS

FOR BID

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

DRAWN BY:
DOUG NIETUBICZ

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IN CHARGE:
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**HIGHLANDS COUNTY
ENGINEERING DEPARTMENT**

505 S. COMMERCE AVENUE
SEBRING, FLORIDA 33870

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

DATE:










**PLACID LAKES SIDEWALK PROJECT
SIDEWALK IMPROVEMENTS**

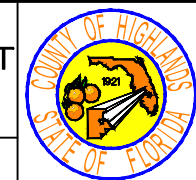
PLAN & PROFILE

SCALE: HORIZ. 1"=20' VERT. N/A	
PROJECT NO. N/A	REV. 0
SHEET 7 OF 12	

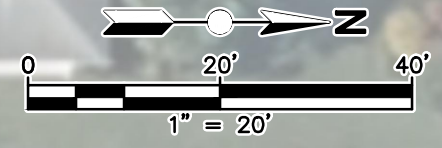
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-  PROPOSED SOD
-  PROP. DETECTABLE WARNING, YELLOW, EMBEDDED
-  CONCRETE DEMOLITION
-  SAWCUT & REMOVE ASPHALT
-  MILL AND RESURFACE
-  ASPHALT PATCH
-  PROPOSED CONCRETE

REVISIONS			STATUS		DESIGNED BY:		HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870				SCALE:	
DATE	BY	DESCRIPTION	FOR BID		DRAWN BY:						HORIZ. 1"=20'	VERT. N/A
					FOR BID		J.D. LANGFORD, P.E.		APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402		PLACID LAKES SIDEWALK PROJECT SIDEWALK IMPROVEMENTS PLAN & PROFILE	
			J.D. LANGFORD, P.E.				DATE:					
											SHEET 8 OF 12	

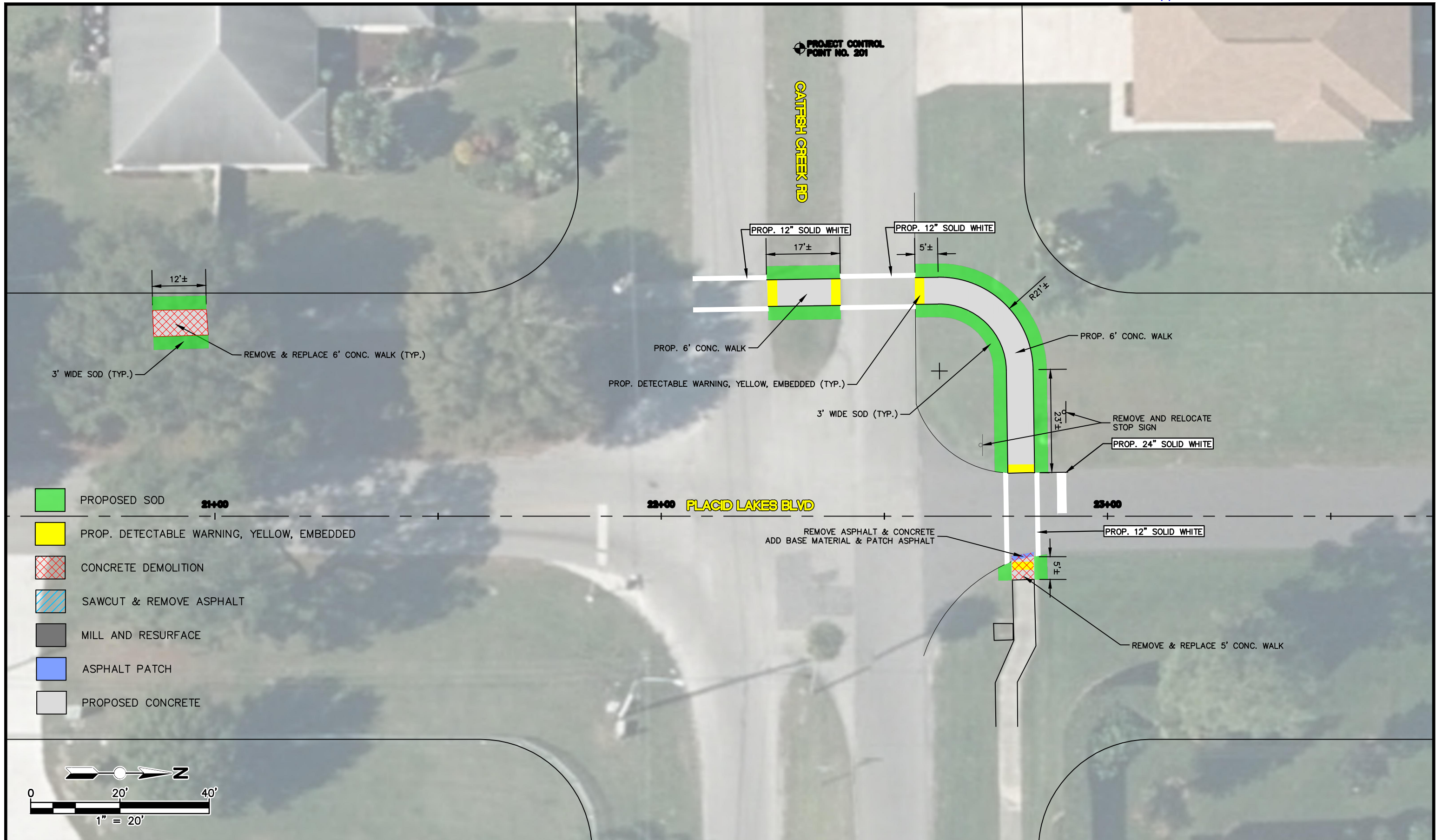
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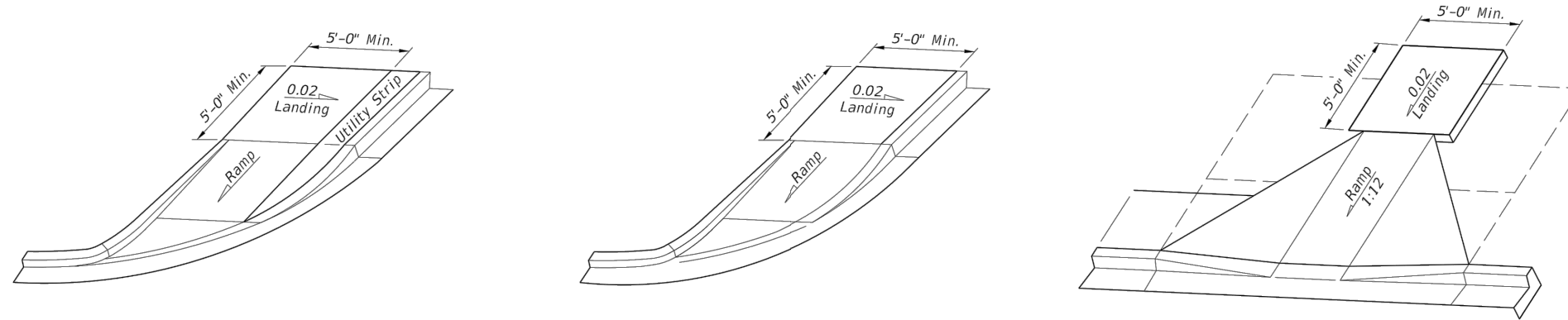
- PROPOSED SOD
- PROP. DETECTABLE WARNING, YELLOW, EMBEDDED
- CONCRETE DEMOLITION
- SAWCUT & REMOVE ASPHALT
- MILL AND RESURFACE
- ASPHALT PATCH
- PROPOSED CONCRETE

REVISIONS			STATUS		DESIGNED BY: J.D. LANGFORD, P.E. DRAWN BY: DOUG NIETUBICZ CHECKED BY: J.D. LANGFORD, P.E. IN CHARGE: J.D. LANGFORD, P.E. DATE: 2/23/2021		HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		PLACID LAKES SIDEWALK PROJECT SIDEWALK IMPROVEMENTS PLAN & PROFILE		SCALE:	
DATE	BY	DESCRIPTION	FOR BID								APPROVED BY: JAMES D. LANGFORD, JR., P.E. FLORIDA REGISTRATION NO.: 78402	
SHEET 9 OF 12												

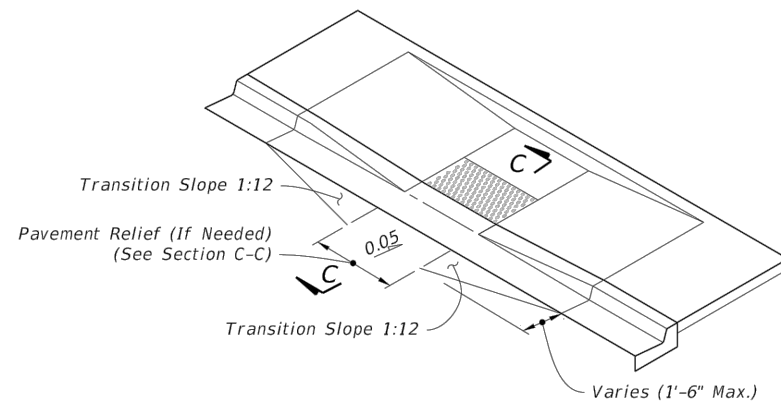
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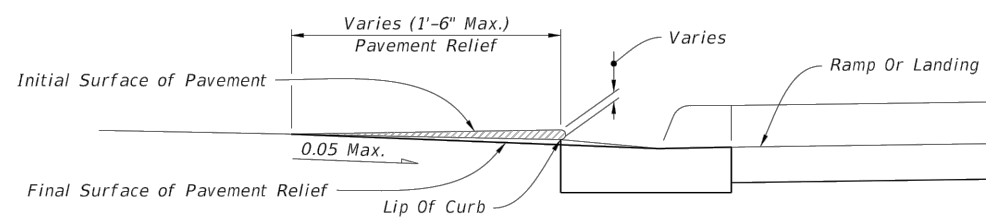
REVISIONS			STATUS		DESIGNED BY:		HIGHLANDS COUNTY ENGINEERING DEPARTMENT 505 S. COMMERCE AVENUE SEBRING, FLORIDA 33870		SCALE:			
DATE	BY	DESCRIPTION	FOR BID	DRAWN BY:	APPROVED BY:	HORIZ.			VERT.	PROJECT NO.	REV.	
					J.D. LANGFORD, P.E.	JAMES D. LANGFORD, JR., P.E.			1"=10'	N/A	N/A	0
					DOUG NIETUBICZ	FLORIDA REGISTRATION NO.: 78402						
					J.D. LANGFORD, P.E.	DATE:						
				J.D. LANGFORD, P.E.								
g:\PROJECTS\2020\20004 placid lakes sidewalk\all drawings\20004 Placid Lakes Sidewalks.dwg, 11x17 (8), Nietubicz, Douglas Colors As Black Except Gray Colors.ctb					DATE:				SHEET 10 OF 12			



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

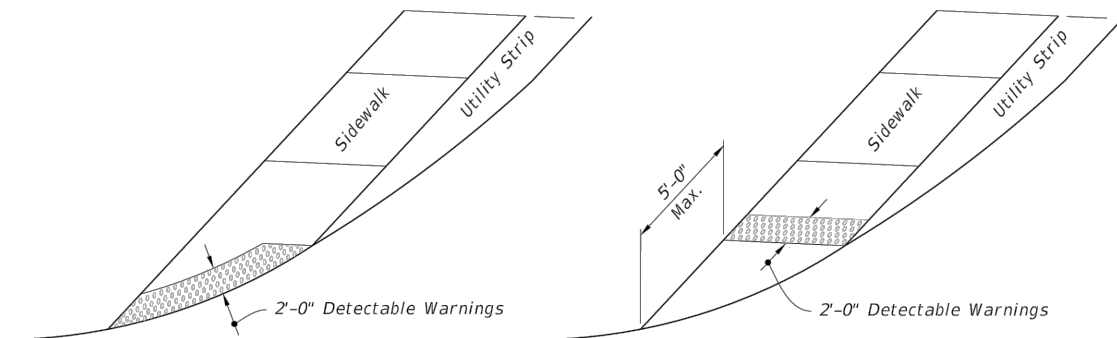


ISOMETRIC VIEW
 (CR-C Shown, Other Similar)



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

LAST REVISION 11/01/18	DESCRIPTION:	FY 2020-21 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 6 of 8
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REVISIONS		STATUS
DATE	BY	DESCRIPTION

FOR BID

DESIGNED BY:
J.D. LANGFORD, P.E.
 DRAWN BY:
DOUG NIETUBICZ
 CHECKED BY:
J.D. LANGFORD, P.E.
 IN CHARGE:
J.D. LANGFORD, P.E.
 DATE:
2/23/2021

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

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

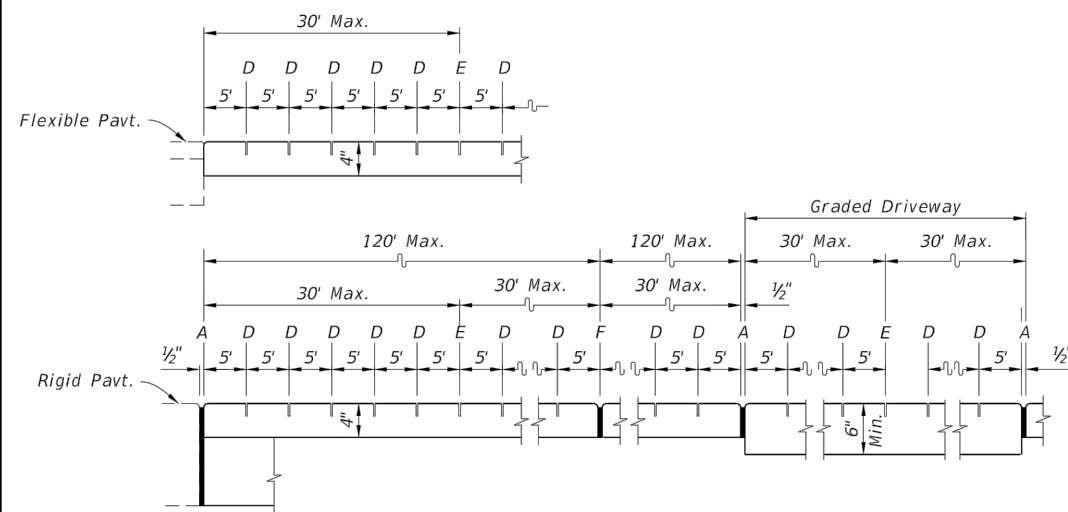
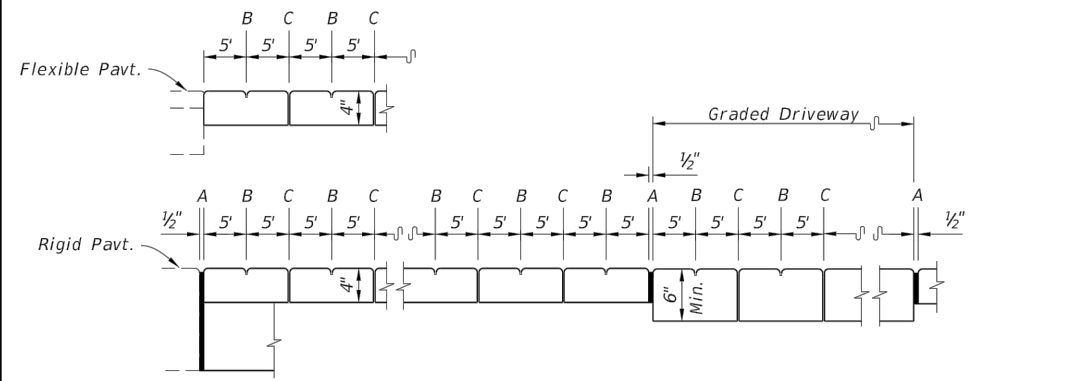


**PLACID LAKES SIDEWALK PROJECT
SIDEWALK IMPROVEMENTS**
 FDOT DETAILS

SCALE:
HORIZ. N/A
VERT. N/A

PROJECT NO. N/A
REV. 0

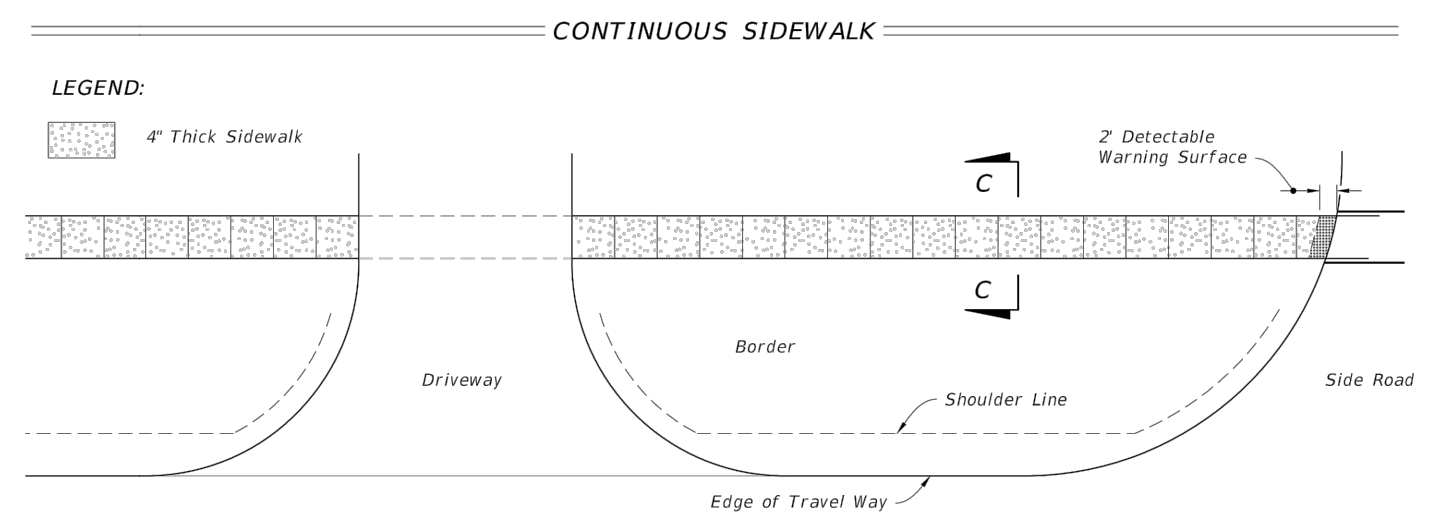
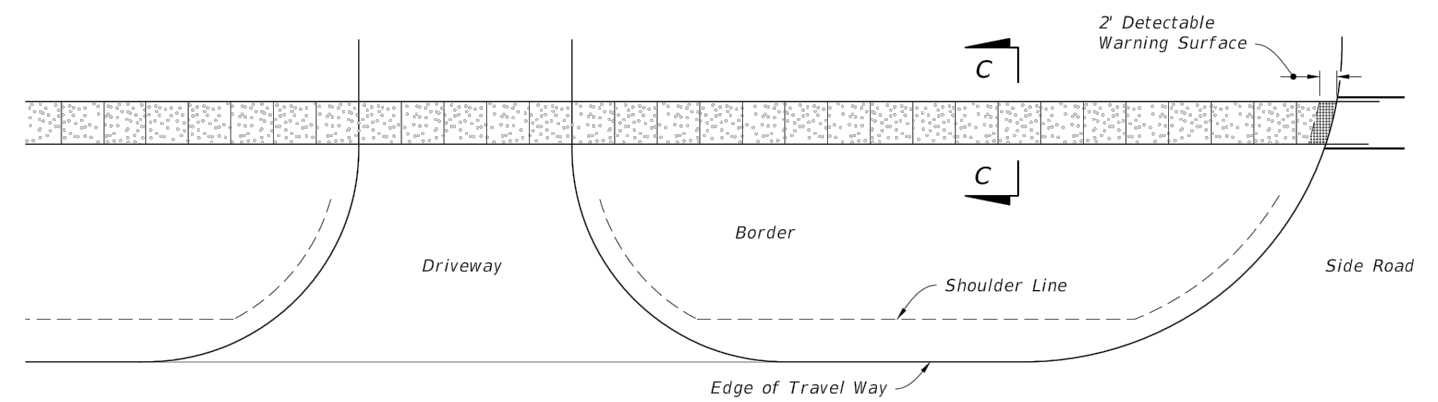
SHEET 11 OF 12



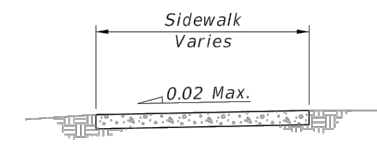
LONGITUDINAL SECTION

- 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



- LEGEND:**
- 4" Thick Sidewalk



CONCRETE SIDEWALK ON FLUSH SHOULDER ROADWAYS

LAST REVISION 11/01/18	DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	CONCRETE SIDEWALK	INDEX 522-001	SHEET 2 of 2
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REVISIONS			STATUS		DESIGNED BY:		HIGHLANDS COUNTY ENGINEERING DEPARTMENT		PLACID LAKES SIDEWALK PROJECT		SCALE:	
DATE	BY	DESCRIPTION	FOR BID		J.D. LANGFORD, P.E.		505 S. COMMERCE AVENUE		SIDEWALK IMPROVEMENTS		HORIZ. N/A	
					DRAWN BY: DOUG NIETUBICZ		SEBRING, FLORIDA 33870		FDOT DETAILS		VERT. N/A	
					CHECKED BY: J.D. LANGFORD, P.E.		APPROVED BY: JAMES D. LANGFORD, JR., P.E.				PROJECT NO. N/A	
					IN CHARGE: J.D. LANGFORD, P.E.		FLORIDA REGISTRATION NO.: 78402				REV. 0	
					DATE: 2/23/2021		DATE:				SHEET 12 OF 12	

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