

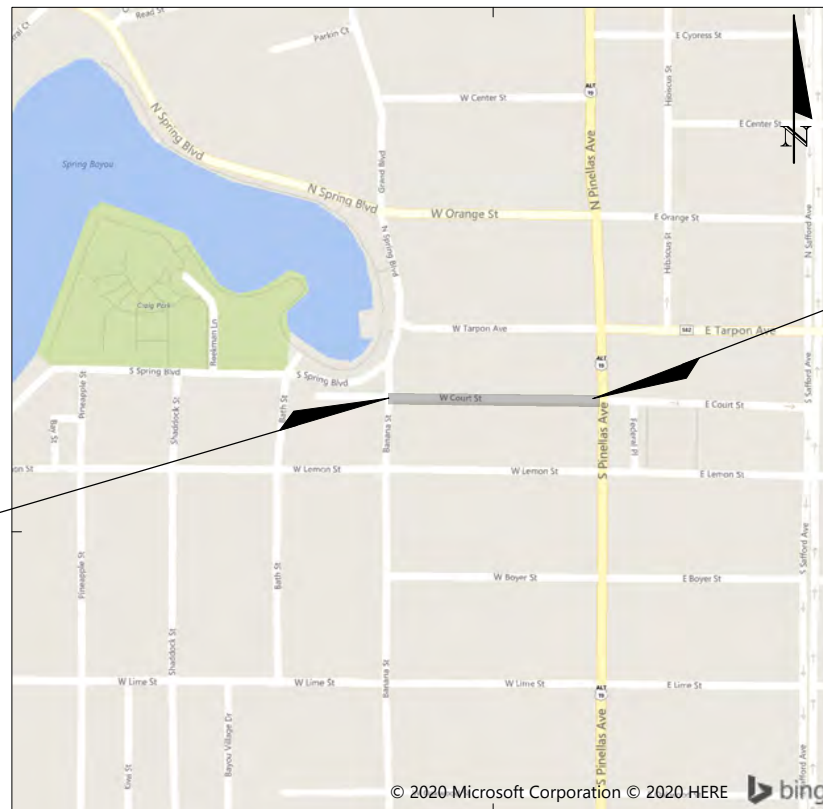
CITY OF TARPON SPRINGS

PLANS OF THE PROPOSED

WEST COURT STREET IMPROVEMENTS FROM BANANA ST. TO ALT. US 19

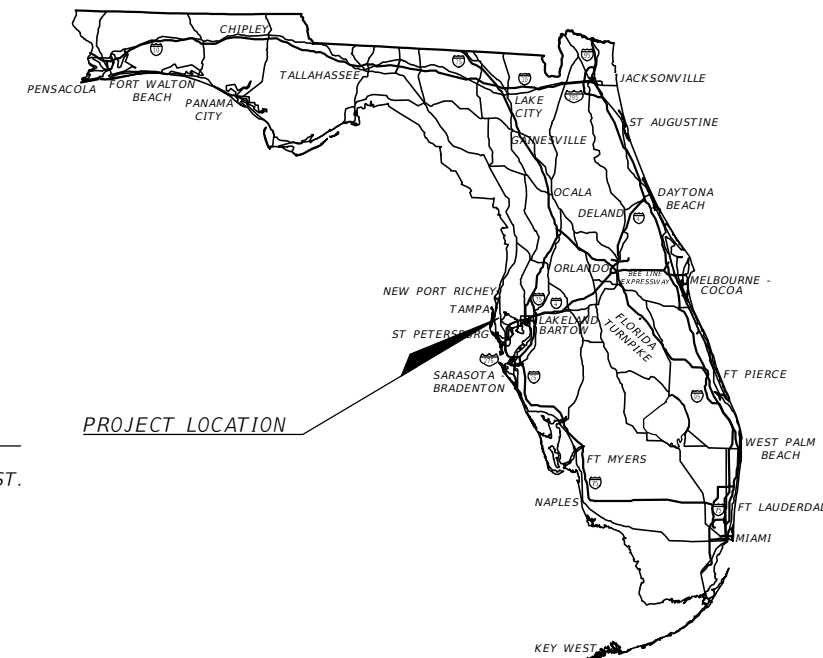
INDEX OF ROADWAY PLANS

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30	SERVICE POINT DETAILS



BEGIN PROJECT
STA 100+32.27
@ CONST. COURT ST.

END PROJECT
STA 106+46.07
@ CONST. COURT ST.



**CALL SUNSHINE 811
48 HOURS BEFORE YOU DIG
1-800-432-4770**

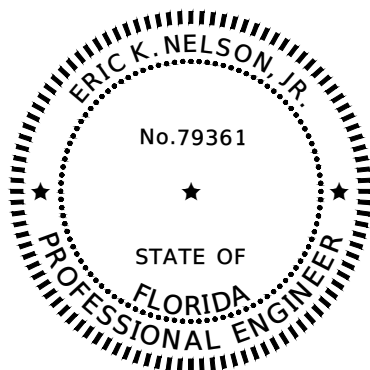
REVISION DESCRIPTION	SHEET NO.	BY	DATE
ADDED 5' SIDEWALK W/ LANDSCAPE SEPARATOR	2, 5, 6		
REMOVED WHEEL STOPS, CONVERTED DIAGONAL TO PARRALELL PARKING, REMOVED CENTERLINE STRIPING	13, 14, 15	EKN	6/01/20
ADDED 5' SIDEWALK W/ LANDSCAPE SEPARATOR REPLACED BUTTWOOD WITH HOLLY	20, 21		

ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:

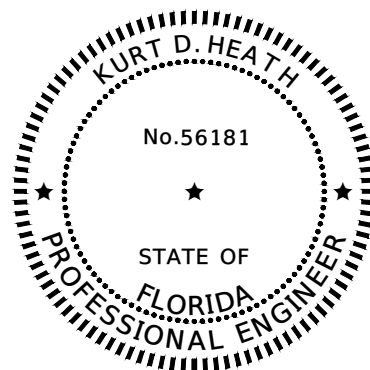
ERIC K. NELSON, JR., P.E.
C/O AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
2818 CYPRESS RIDGE BOULEVARD
SUITE 200
WESLEY CHAPEL, FLORIDA 33544
(813) 435-2600



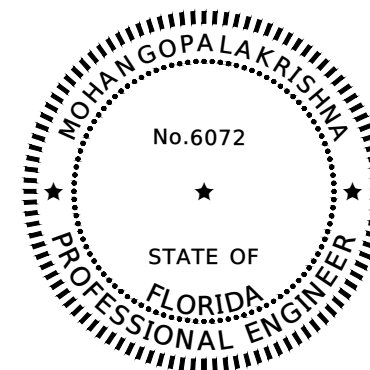
2818 CYPRESS RIDGE BLVD, SUITE 200
WESLEY CHAPEL, FLORIDA 33544
PHONE: (813) 435-2600 FAX: (813) 435-2601
CERTIFICATE OF AUTHORIZATION NO. 9302



AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
2818 CYPRESS RIDGE BLVD, SUITE 200
WESLEY CHAPEL, FLORIDA 33544
PHONE: (813) 435-2600 FAX: (813) 435-2601
CERTIFICATE OF AUTHORIZATION NO. 9302
ERIC K. NELSON, JR. PE. NO. 79361



STROUD ENGINEERING CONSULTANTS, INC.
10503 CYNDEE LANE
ODESSA, FLORIDA 33556
PHONE: (813) 760-1964
CERTIFICATE OF AUTHORIZATION NO. 29607
KURT D. HEATH, PE NO. 56181



AMERICAN CONSULTING ENGINEERS OF FLORIDA, LLC
2818 CYPRESS RIDGE BLVD, SUITE 200
WESLEY CHAPEL, FLORIDA 33544
PHONE: (813) 435-2600 FAX: (813) 435-2601
CERTIFICATE OF AUTHORIZATION NO. 9302
MOHAN GOPALAKRISHNA, P.E., PTOE NO. 60720

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

- 1 KEY SHEET
- 2 TYPICAL SECTIONS
- 3 GENERAL NOTES
- 4 PROJECT LAYOUT
- 5 - 7 ROADWAY PLAN
- 8 - 10 GRADING PLAN
- 11 TRAFFIC CONTROL PLAN
- 12 GENERAL DETAILS
- 13 - 15 SIGNING & PAVEMENT MARKING PLAN
- 16 - 18 UTILITY PLAN & PROFILE
- 19 UTILITY DETAILS

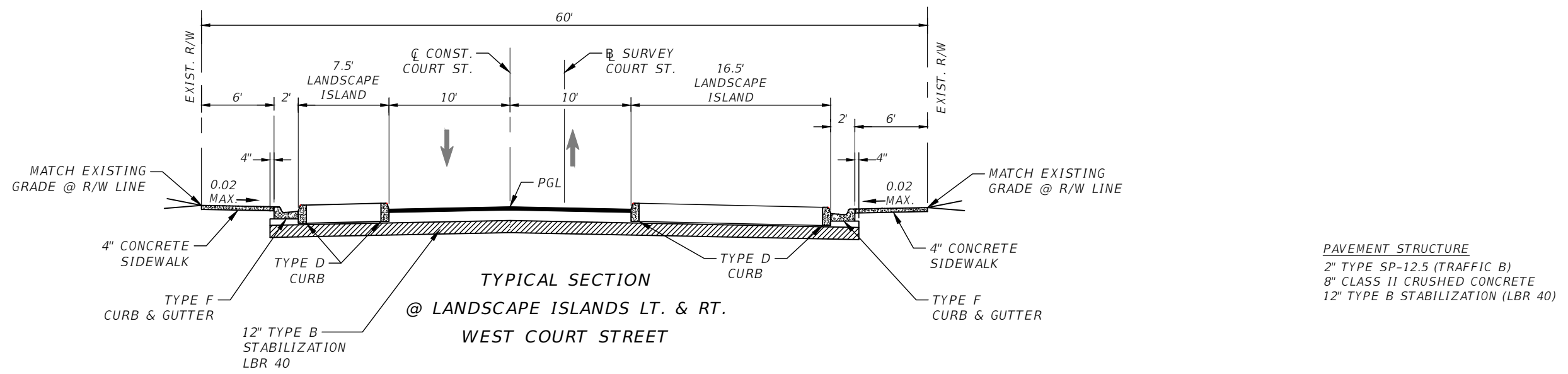
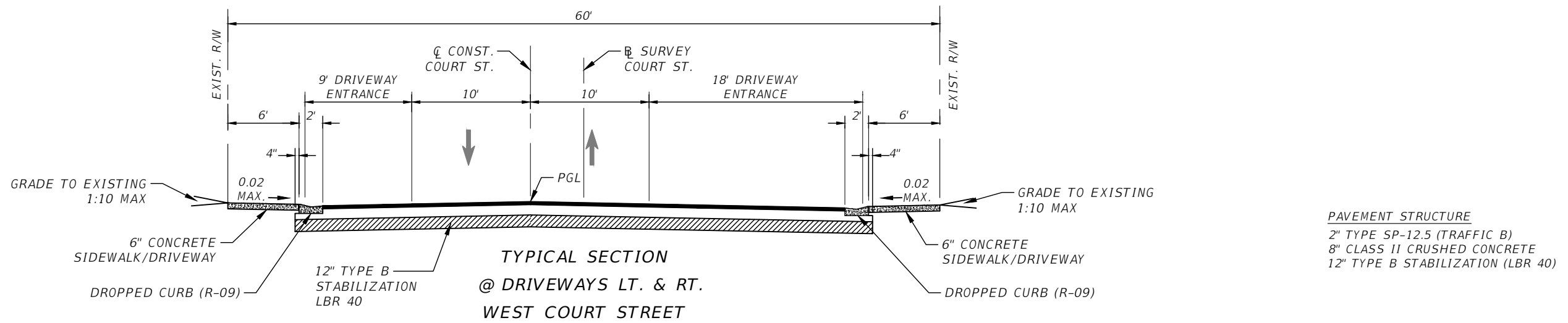
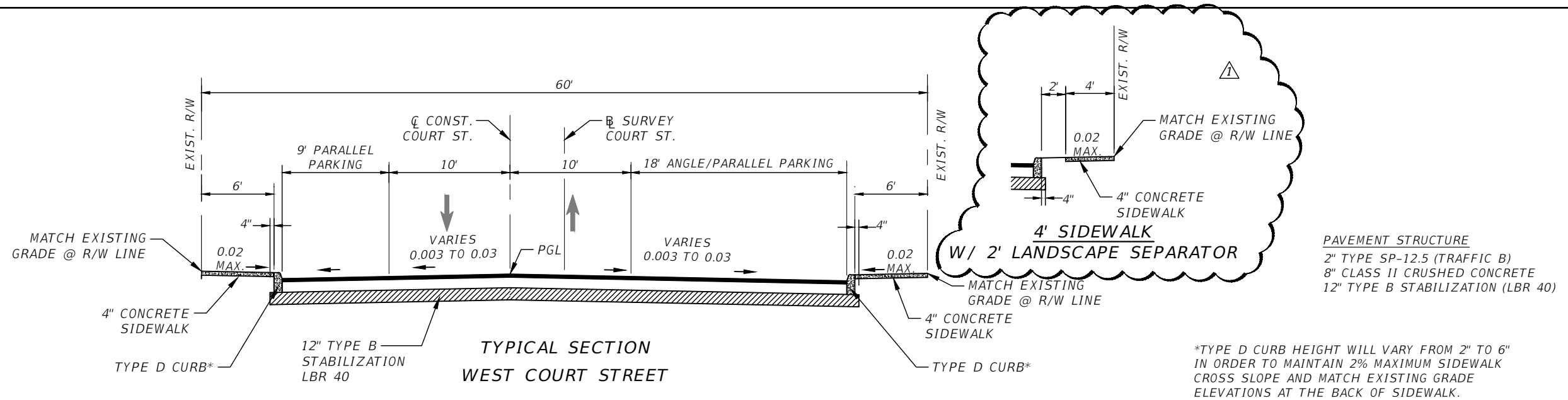
THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

- 16 - 18 UTILITY PLAN & PROFILE
- 19 UTILITY DETAILS

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

- 23 - 25 LIGHTING PLAN
- 26 LIGHTING NOTES
- 27 POLE DATA SHEET
- 28 - 29 LUMINAIRE & POLE DETAILS
- 30 SERVICE POINT DETAILS

PROJECT NO.	SHEET NO.
5169367.012	1



REVISIONS	BY	DATE	CHECKED	DAI	2/17/20
	BY	DATE	DRAWN	EKN	2/17/20
	BY	DATE	DESIGNED	EKN	2/17/20
	BY	DATE	ADD'D	EKN	5/19/20

**WEST COURT STREET
 BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

TYPICAL SECTIONS

American
 Consulting Engineers of Florida, LLC

2818 Cypress Ridge Blvd, Suite 200
 Wesley Chapel, Florida 33544
 Phone: (813) 435-2600 Fax: (813) 435-2601
 Certificate of Authorization No. 9302
 ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20

SCALE: N/A

SHEET: 2 of 30

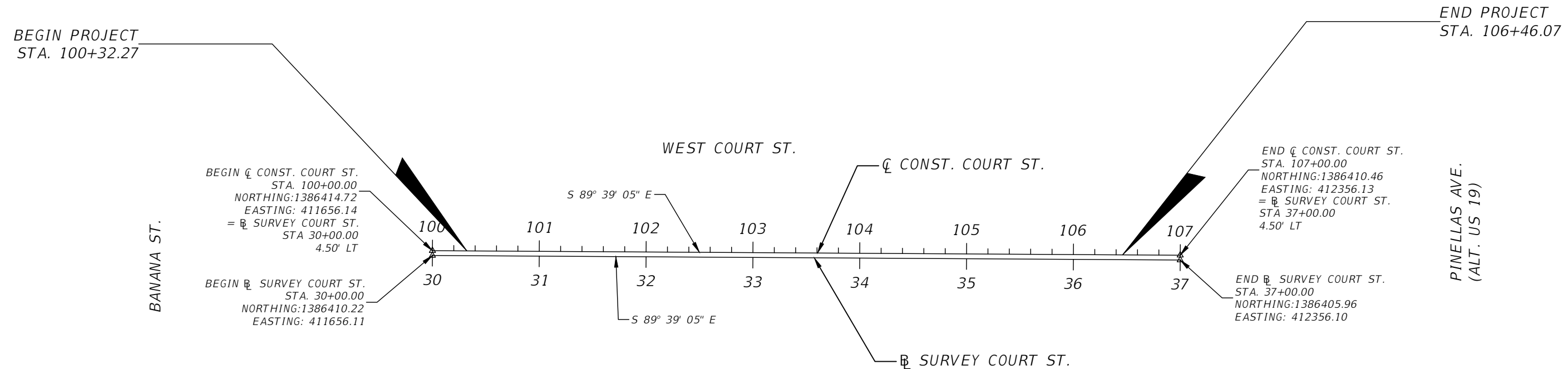
GENERAL NOTES:

1. COORDINATES AND BEARINGS SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, AS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, ADJUSTMENT OF 1990, NAD83(90).
2. ELEVATIONS SHOWN ON THIS SURVEY ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. ALL DIMENSIONS, ELEVATIONS AND RADII ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
4. GRADES SHOWN ARE FINISHED GRADES.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLAN DIMENSIONS AND SITE CONDITIONS, AND IS TO NOTIFY THE CITY OF TARPON SPRINGS AND/OR THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE SITE CONDITIONS AND INFORMATION SHOWN ON THE PLANS PRIOR TO COMMENCING WORK.
6. EXISTING UTILITIES:
 - A) THE CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXACT LOCATION OF AND TO PROTECT DURING CONSTRUCTION ALL EXISTING UTILITIES.
 - B) PRIOR TO MOBILIZATION, THE CONTRACTOR SHALL NOTIFY THE INDIVIDUALS LISTED BELOW AND SCHEDULE CONSTRUCTION ACTIVITIES IN A MANNER WHICH WILL FACILITATE THE REMOVAL AND RELOCATION OF ANY CONFLICTING UTILITIES.
 - C) THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND CONFIRM LOCATIONS OF UTILITIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - D) ALL UTILITY SERVICES SHALL BE MAINTAINED DURING THE ENTIRE CONSTRUCTION PERIOD OR TEMPORARY FACILITIES PROVIDED.
 - E) E) IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT SUNSHINE STATE ONE CALL CENTER OF FLORIDA FOR UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION.
 - F) UTILITY OWNERS:

<p>CLEARWATER GAS SYSTEM 400 N. MYRTLE AVE. CLEARWATER, FL 33755 CONTACT: JACINTA GARCIA CORCOBA PHONE: (727)562-4900 x7424</p> <p>CITY OF TARPON SPRINGS 1624 L & R INDUSTRIAL BOULEVARD TARPON SPRINGS, FL 34689 CONTACT: RAYMOND PAGE PHONE: (727)937-2557 EMAIL: RPAGE@CTSFL.US</p> <p>DUKE ENERGY-DISTRIBUTION 2166 PALMETTO STREET, BLDG C CLEARWATER, FL 33765 CONTACT: DAVID MCNAMARA PHONE: (727)893-9267 EMAIL: DAVID.MCNAMARA@DUKE-ENERGY.COM</p> <p>FRONTIER COMMUNICATIONS 1280 CLEVELAND STREET CLEARWATER, FL 33755 CONTACT: STEPHEN WAIDLEY PHONE: (727)462-1760 PHONF: STEPHEN.WAIDLEY@FTR.COM</p>	<p>MCI DEAN BOYERS 10222 MCI DR N PINELLAS PARK, FL 33782 PHONE: (469)886-4238</p> <p>CHARTER COMMUNICATIONS 700 CARILLON PARKWAY, SUITE 6 ST. PETERSBURG, FL 33716 CONTACT: OSWALDO PEREZ PHONE: 727-329-2817 EMAIL: OSWALDO.PEREZ@CHARTER.COM</p> <p>PINELLAS COUNTY HWY/ENG 22211 US 19 NORTH CLEARWATER, FL 33765 CONTACT: MATT STALNAKER PHONE: (727)464-8909 EMAIL: MSTALNAKER@PINELLASCOUNTY.ORG</p> <p>WOW! 3001 GANDY BOULEVARD PINELLAS PARK, FL 33782 CONTACT: CHUCK CHAPMAN PHONE: (727)631-4981 CHUCK.CHAPMAN@WOWINC.COM</p>
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7. EXISTING STORMWATER STRUCTURES AND PIPES SHALL REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.
8. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION STAKEOUTS.
9. CONTRACTOR SHALL PROVIDE TEMPORARY CONSTRUCTION FENCING AROUND EXCAVATIONS THAT REMAIN OPEN AT THE END OF A DAY'S CONSTRUCTION ACTIVITIES.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL CERTIFICATIONS, SHOP DRAWINGS, MATERIALS, ETC. CALLED FOR OR REQUESTED ON ALL CONSTRUCTION MATERIALS BROUGHT TO THE SITE.
11. THE ENGINEER WILL HAVE THE AUTHORITY TO DISAPPROVE OR REJECT WORK WHICH IS DEFECTIVE, OR DOES NOT CONFORM TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS, OR DOES NOT MEET THE REQUIREMENTS OF ANY INSPECTION, TEST, OR APPROVAL.

12. NEITHER OBSERVATIONS BY THE ENGINEER NOR INSPECTIONS, TEST, OR APPROVALS BY OTHER PERSONS SHALL RELIEVE THE CONTRACTOR FROM THEIR OBLIGATION TO PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.
13. THE CONTRACTOR SHALL MAINTAIN THE RIGHT-OF-WAY DURING CONSTRUCTION IN A SATISFACTORY MANNER TO PREVENT THE DEPOSITION OF SAND, DUST, ETC. BY WATER OR WIND EROSION ONTO ADJACENT PROPERTIES. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION.
14. 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 ENGINEER WITHOUT DELAY. ALL CORNERS OR REFERENCE POINTS (I.E. CENTERLINE STREET INTERSECTION CONTROL) SHALL BE RESET AND CERTIFIED CORRECT BY A REGISTERED LAND SURVEYOR AND A DRAWING SEALED AND CERTIFIED SHALL BE FURNISHED TO THE OFFICE OF THE COUNTY SURVEYOR PRIOR TO FINAL PAYMENT ON THE PROJECT, AT THE CONTRACTOR'S EXPENSE.
15. CONTRACTOR SHALL RESET ALL HORIZONTAL AND VERTICAL CONTROL POINTS OVERLAYED OR DESTROYED DURING CONSTRUCTION.
16. RECONSTRUCTED DRIVEWAYS SHALL MATCH EXISTING MATERIAL (CONCRETE OR ASPHALT OR PAVERS) UNLESS OTHERWISE NOTED.
17. IT IS NOT THE INTENT OF THESE PLANS TO SHOW ALL TEMPORARY EROSION CONTROL, TEMPORARY DRAINAGE AND INCIDENTAL CONSTRUCTION NECESSARY TO PREVENT EROSION. THE CONTRACTOR IS TO PROVIDE EROSION CONTROL / SEDIMENT BARRIERS (SYNTHETIC BALES OR SILTATION FENCE) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATERWAYS. IN ADDITION, THE CONTRACTOR SHALL PLACE STRAW, MULCH, OR OTHER SUITABLE MATERIAL ON THE GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE. IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE AND INTO EXISTING STORM DRAINAGE FACILITIES EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC, THE CONTRACTOR IS TO PROVIDE EROSION CONTROL AND RESTORE THE AREA TO THE SATISFACTION OF THE ENGINEER AND/OR LOCAL AUTHORITIES.
18. THE CONTRACTOR SHALL BE RESPONSIBLE TO SATISFY ALL PERMIT REQUIREMENTS IN REGARDS TO CONSTRUCTION ACTIVITIES AND RELATED CONDITIONS.
19. THE CONTRACTOR SHALL REPLACE AND RESTORE ALL PAVING, STABILIZED EARTH, CURBS, DRIVEWAYS, SIDEWALKS, MAILBOXES, DRAINAGE PIPES, FENCES, WALLS, PLANTINGS, ETC. WITH THE SAME TYPE OF MATERIAL OR BETTER THAN THAT WHICH WAS REMOVED OR DISTURBED DURING CONSTRUCTION. COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.
20. IN ADDITION TO THE SOD LIMITS IDENTIFIED IN THE TYPICAL SECTION, ANY AND ALL GRASS AREAS DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE SODDED AND RESTORED TO THE ORIGINAL STATE OR BETTER. SOD SHALL MATCH THE EXISTING SOD TYPE BEING REPLACED OR REPAIRED.
21. ALL MATERIALS, DEBRIS, UNSUITABLE EARTH OR EXCESS FILL, ETC. OF NO SALVAGE VALUE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR.
22. NO BURNING WITHIN THE PROJECT RIGHT-OF-WAY SHALL BE PERMITTED.
23. ALL EXISTING SIGNS ARE TO BE REMOVED, UNLESS OTHERWISE NOTED IN PLANS. THE CONTRACTOR SHALL REPLACE AND RESTORE ALL SIGNS THAT ARE REMOVED OR DISTURBED DURING CONSTRUCTION. COST FOR THIS WORK SHALL BE INCLUDED IN COST OF OTHER ITEMS.
24. THE CONTRACTOR IS TO GRADE STREETS AS NECESSARY DURING CONSTRUCTION TO MAINTAIN A UNIFORM RIDEABLE SURFACE AS DETERMINED BY THE ENGINEER.
25. A VACUUM TYPE SWEEPER SHALL BE USED FOR STREET CLEAN UP FOLLOWING POST CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL CLEAN COURT STREET AND THE CONNECTION OF COURT STREET TO BANANA STREET AND SOUTH PINELLAS AVENUE TO REMOVE DIRT RESULTING FROM CONSTRUCTION ACTIVITIES. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST FOR OTHER ITEMS.
26. THE CONTRACTOR IS TO CONSTRUCT ALL CURB RAMPS TO THE REQUIREMENTS SET FORTH BY THE FDOT AND IN FDOT STANDARD INDEX 522-002 AND AS AMENDED BY THE PLANS.

				BY	DATE	WEST COURT STREET BANANA ST. TO ALT. US 19 CITY OF TARPON SPRINGS	GENERAL NOTES		DATE: 6/1/20
				DESIGNED	EKN 2/17/20				SCALE: N/A
				DRAWN	EKN 2/17/20				SHEET: 3 of 30
REVISIONS	BY	DATE	CHECKED	DAI	2/17/20				



REVISIONS	BY	DATE	CHECKED	DAI	2/17/20
				DAI	2/17/20
				EKN	2/17/20
				EKN	2/17/20
				EKN	2/17/20

**WEST COURT STREET
BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

PROJECT LAYOUT

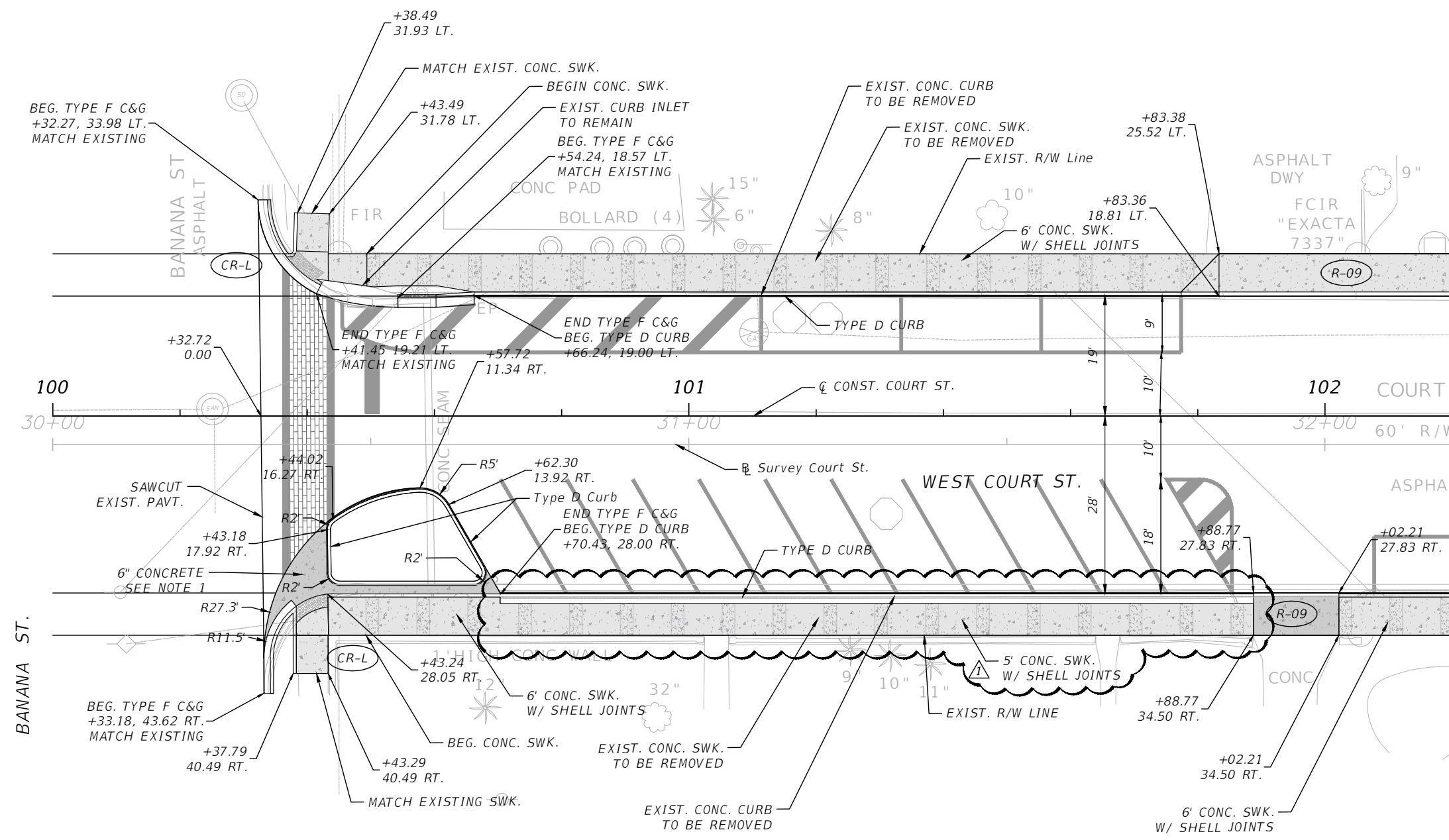
American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
SCALE: 1" = 100'
SHEET: 4 of 30

A5



MATCHLINE STA. - 102+20.00



NOTES
 1. USE CLASS NS CONCRETE AT LEAST 6" THICK CONCRETE WITH PORTLAND CEMENT. CONSTRUCT IN ACCORDANCE WITH SPECIFICATIONS 347, 350, AND 522.

LEGEND

- R-09 DRIVEWAY TYPE, R-09 (CITY OF TARPON SPRINGS) SEE SHEET 12
- CR-L CURB RAMP TYPE, FDOT INDEX 522-002

	ADDED 5' SIDEWALK W/ LANDSCAPE SEPARATOR	EKN	6/1/20	BY	DATE
				DESIGNED	EKN 2/17/20
				DRAWN	EKN 2/17/20
REVISIONS	BY	DATE	CHECKED	DAI	2/17/20

**WEST COURT STREET
 BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

ROADWAY PLAN (1)

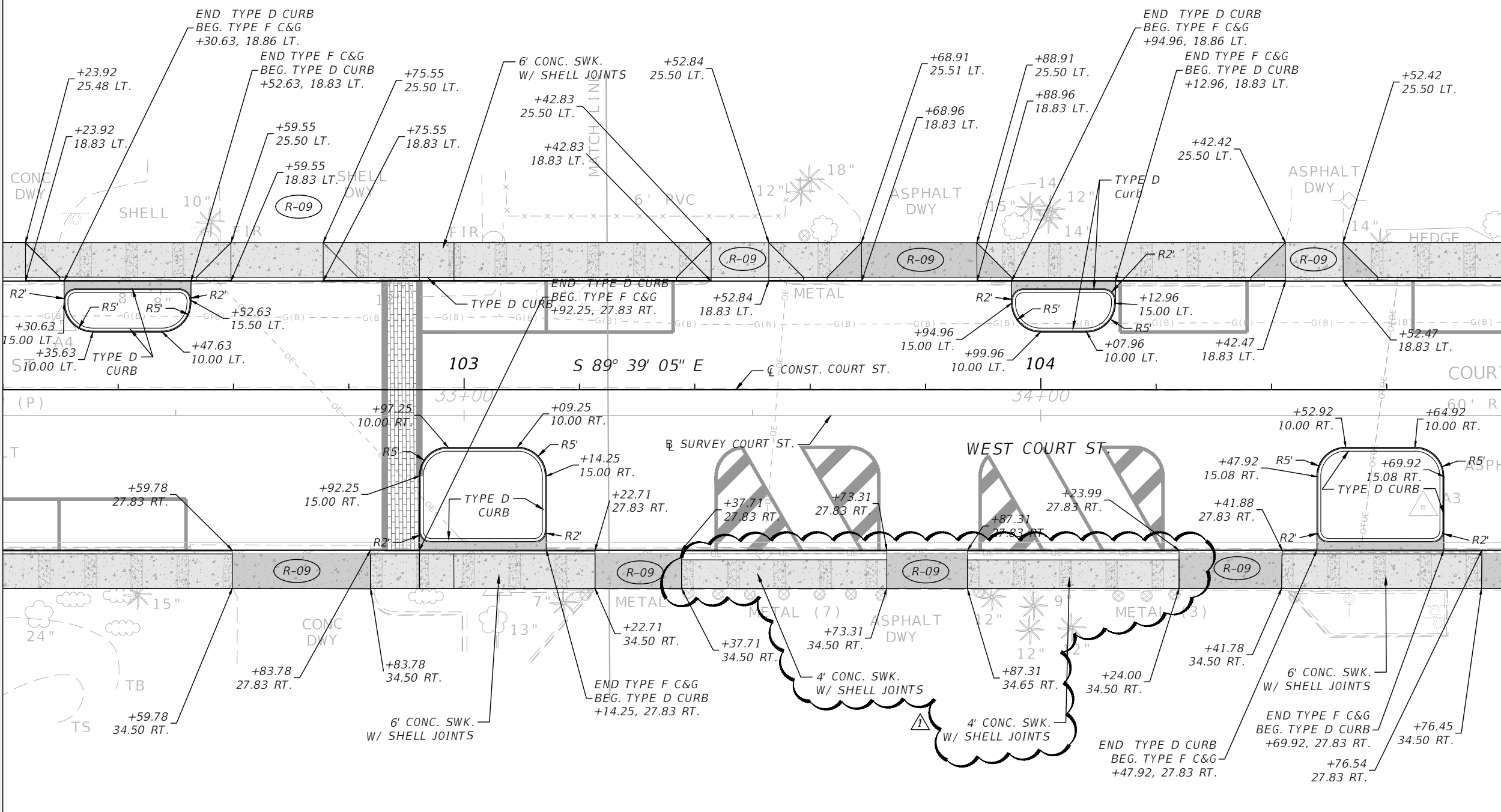
American
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 2818 Cypress Ridge Blvd, Suite 200
 Wesley Chapel, Florida 33544
 Phone: (813) 435-2600 Fax: (813) 435-2601
 Certificate of Authorization No. 9302
 ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
 SCALE: 1" = 20'
 SHEET: 5 of 30

MATCHLINE STA. - 104+80.00



MATCHLINE STA. - 102+20.00



LEGEND

- DRIVEWAY TYPE, R-09 (CITY OF TARPON SPRINGS) SEE SHEET 12
- CURB RAMP TYPE, FDOT INDEX 522-002

BURRUSS SUBDIVISION
PB 107 PG 29

	ADDED 5' SIDEWALK W/ LANDSCAPE SEPARATOR		EKN	6/1/20	BY	DATE
	DESIGNED		EKN	2/17/20		
	DRAWN		EKN	2/17/20		
REVISIONS		BY	DATE	CHECKED	DAI	2/17/20

**WEST COURT STREET
BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

ROADWAY PLAN (2)

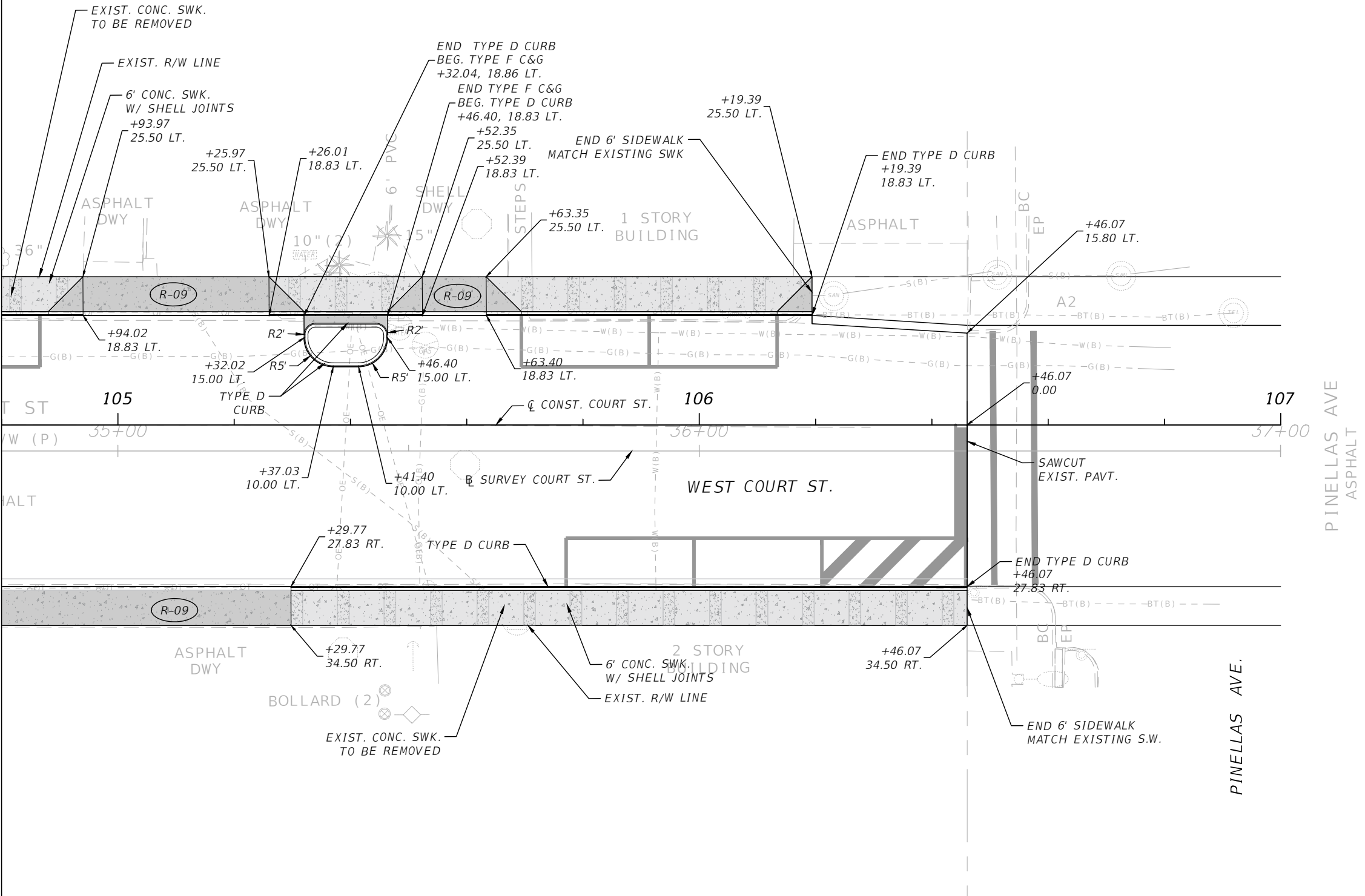
American
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Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
SCALE: 1" = 20'
SHEET: 6 of 30



MATCHLINE STA. - 104+80.00



REVISIONS	BY	DATE	CHECKED	DAI	2/17/20

WEST COURT STREET
BANANA ST. TO ALT. US 19
CITY OF TARPON SPRINGS

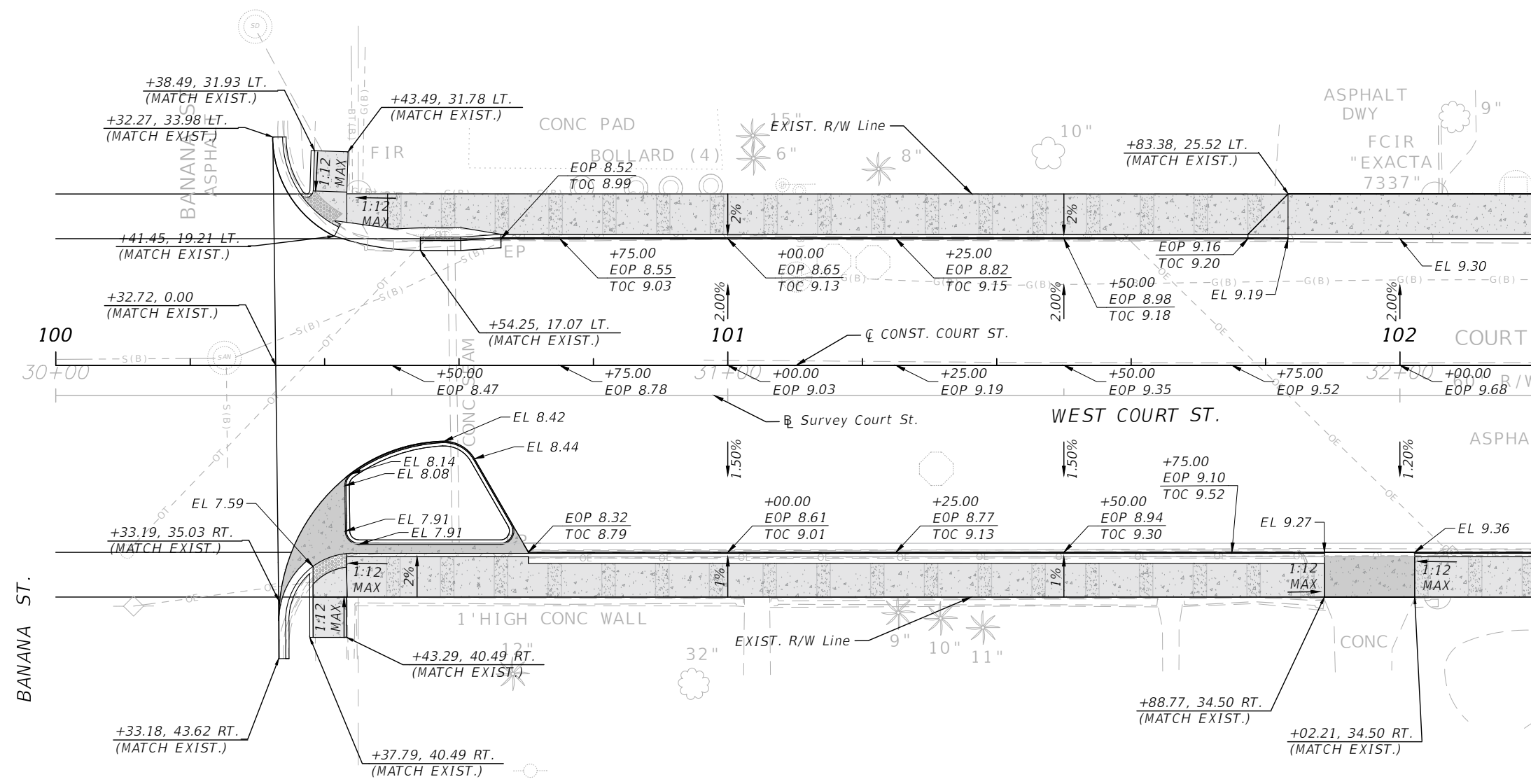
ROADWAY PLAN (3)

American
 Consulting Engineers of Florida, LLC
 2818 Cypress Ridge Blvd, Suite 200
 Wesley Chapel, Florida 33544
 Phone: (813) 435-2600 Fax: (813) 435-2601
 Certificate of Authorization No. 9302
 ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
 SCALE: 1" = 20'
 SHEET: 7 of 30

A5

MATCHLINE STA. - 102+20.00



- NOTES**
- ELEVATIONS AT CURB LINES ARE EDGE OF PAVEMENT ELEVATIONS.
 - TYPE D CURB HEIGHTS MAY VARY FROM 2" TO 6"
 - 2% MAXIMUM INWARD CROSS SLOPE OF SIDEWALK SHALL BE MAINTAINED.

REVISIONS	BY	DATE	CHECKED	DAI	2/17/20

WEST COURT STREET
BANANA ST. TO ALT. US 19
CITY OF TARPON SPRINGS

GRADING PLAN (1)

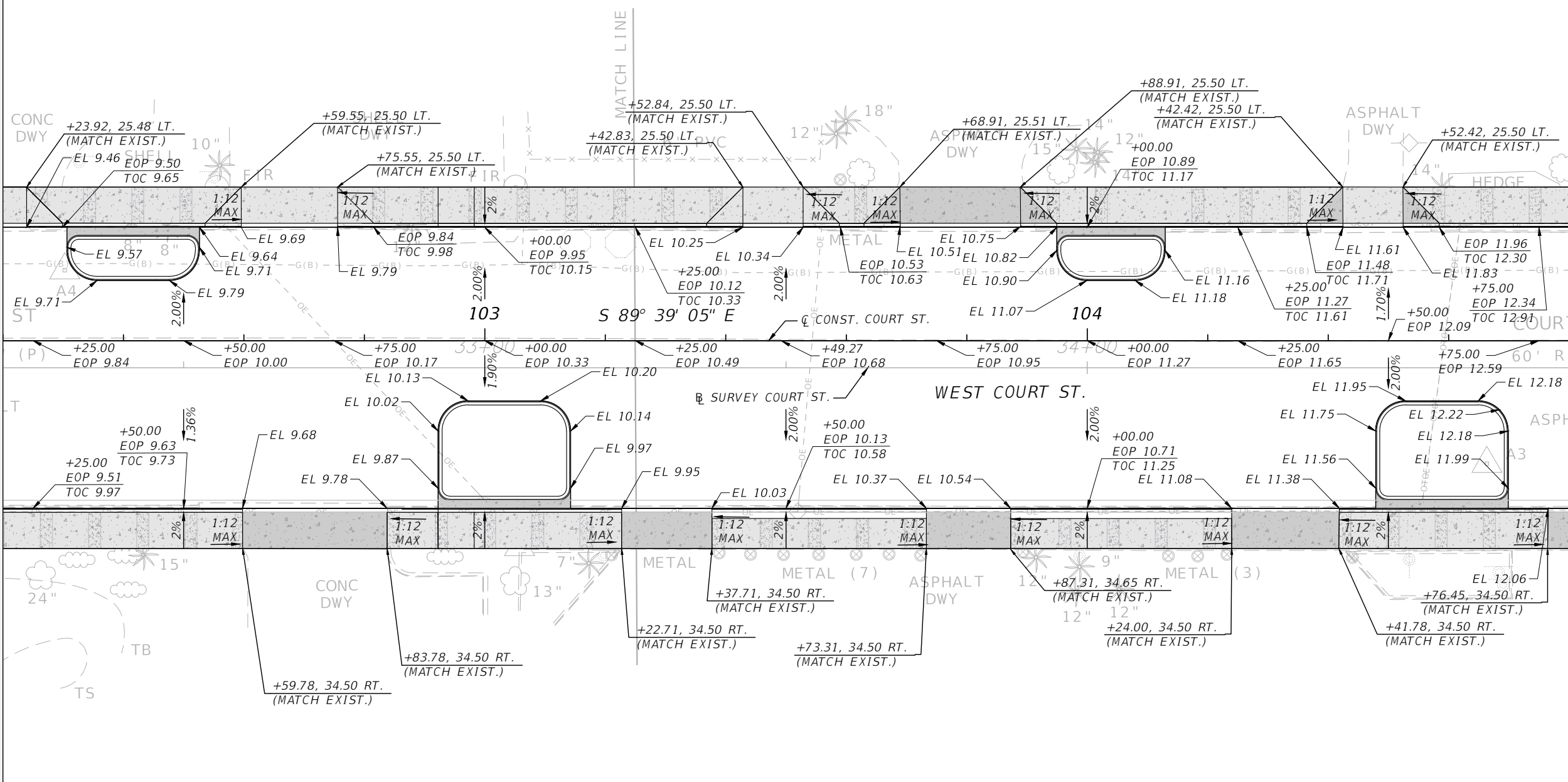
American
 Consulting Engineers of Florida, LLC
 2818 Cypress Ridge Blvd, Suite 200
 Wesley Chapel, Florida 33544
 Phone: (813) 435-2600 Fax: (813) 435-2601
 Certificate of Authorization No. 9302
 ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
 SCALE: 1" = 20'
 SHEET: 8 of 30

MATCHLINE STA. - 104+80.00



MATCHLINE STA. - 102+20.00



REVISIONS	BY	DATE	CHECKED	DAI	2/17/20

BY DATE
DESIGNED EKN 2/17/20
DRAWN EKN 2/17/20
CHECKED DAI 2/17/20

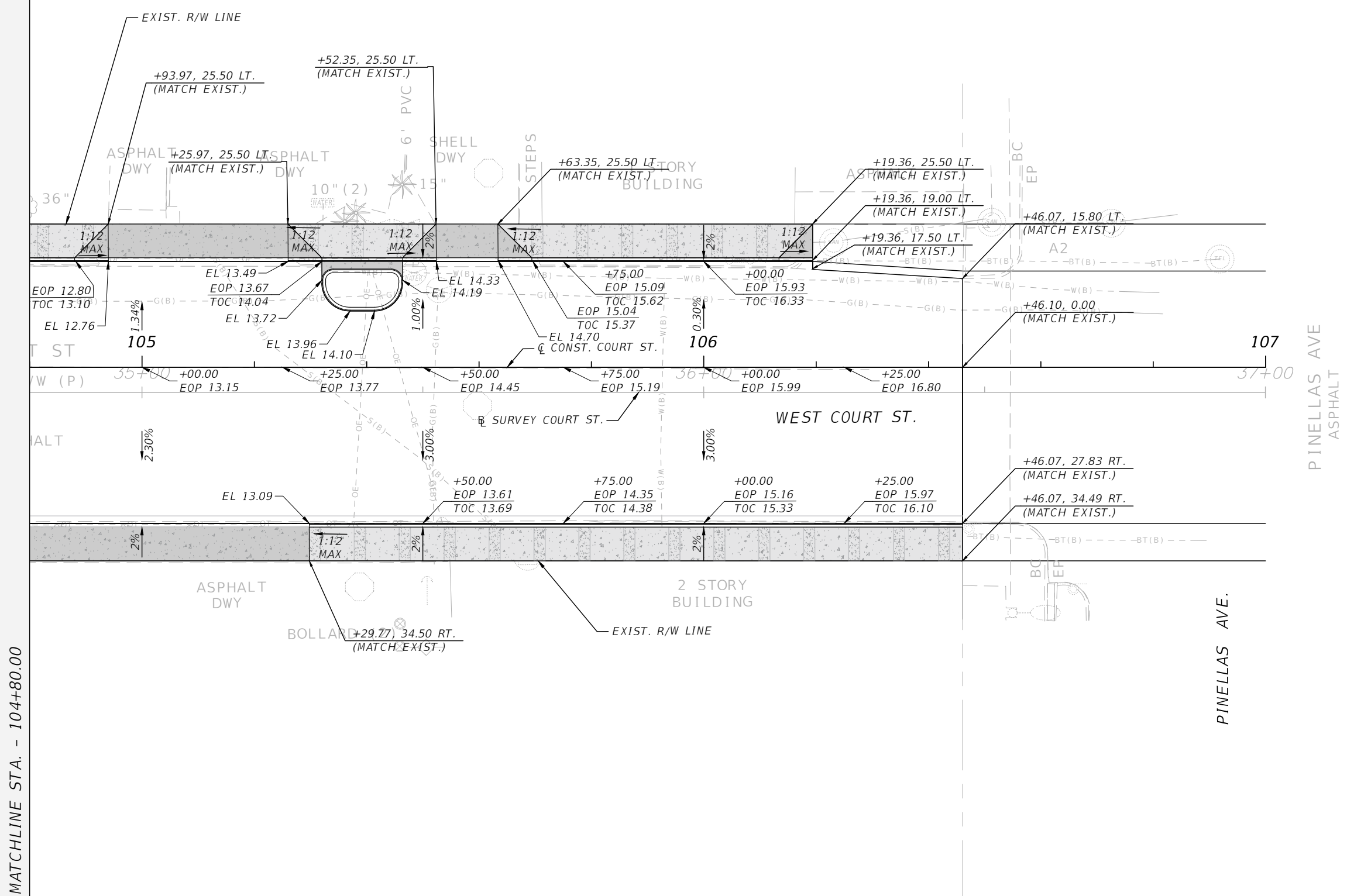
**WEST COURT STREET
BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

GRADING PLAN (2)

American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
SCALE: 1" = 20'
SHEET: 9 of 30



MATCHLINE STA. - 104+80.00

PINELLAS AVE.

PINELLAS AVE
ASPHALT

REVISIONS	BY	DATE	CHECKED	DAI	2/17/20

**WEST COURT STREET
BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

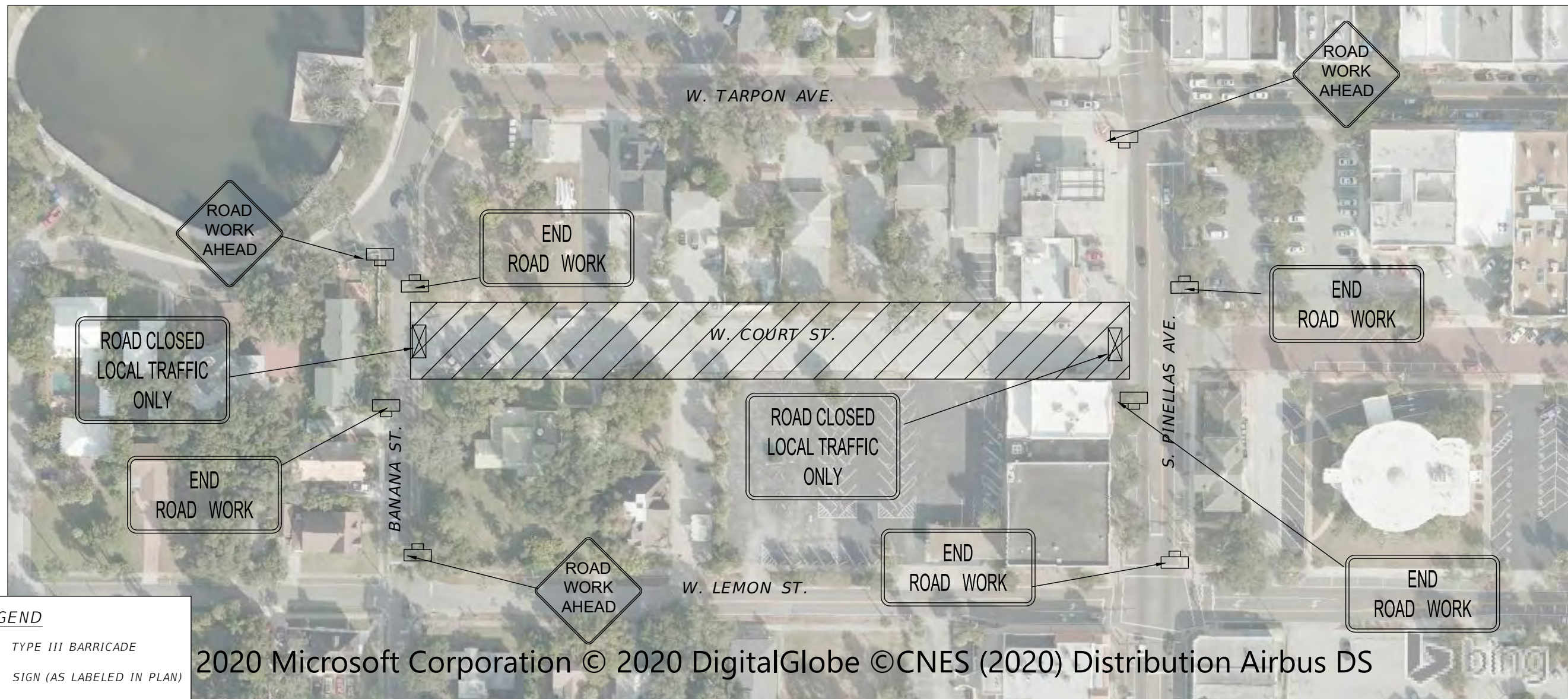
GRADING PLAN (3)

American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
SCALE: 1" = 20'
SHEET: 10 of 30

MAINTENANCE OF TRAFFIC GENERAL NOTES

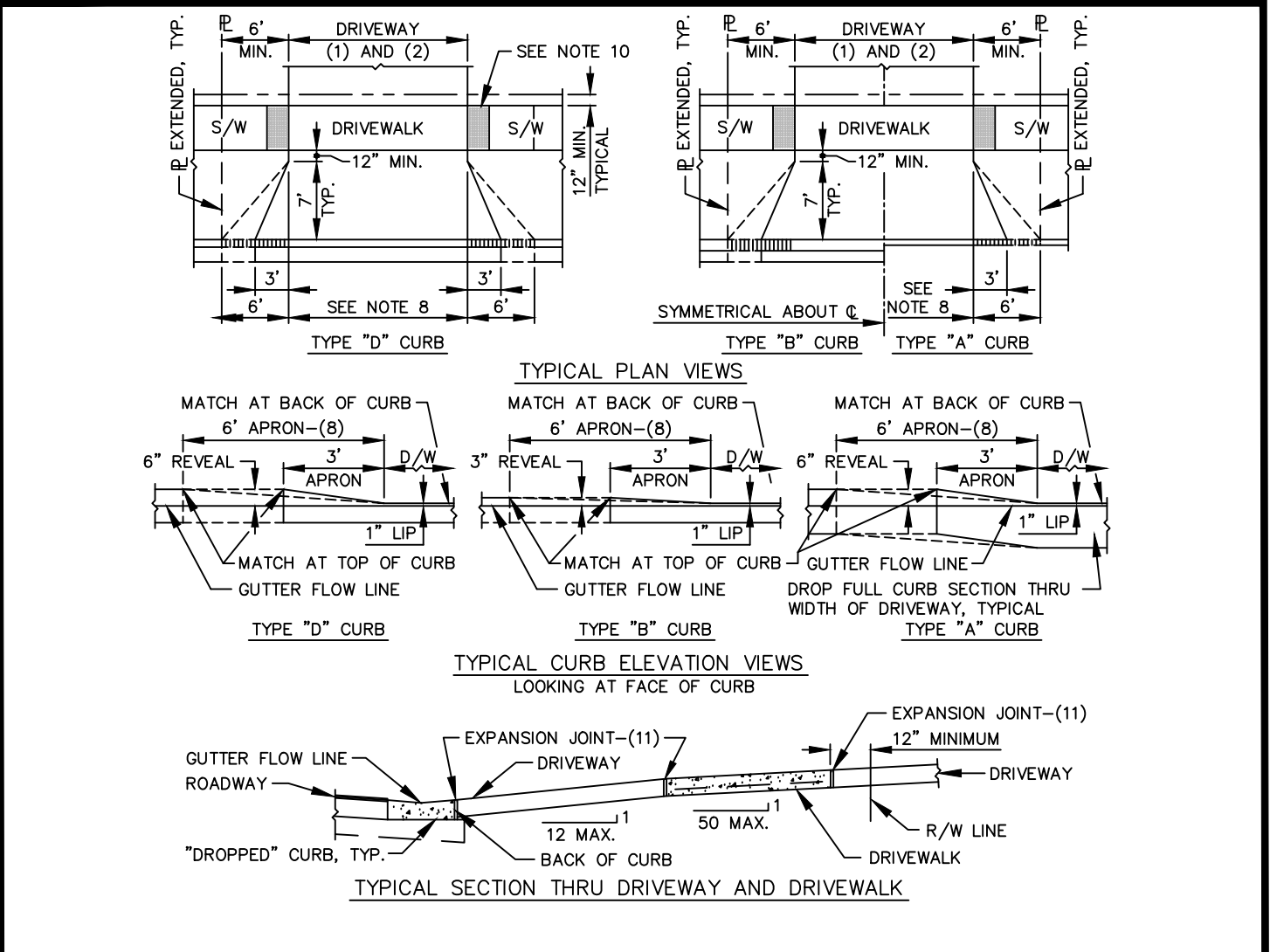
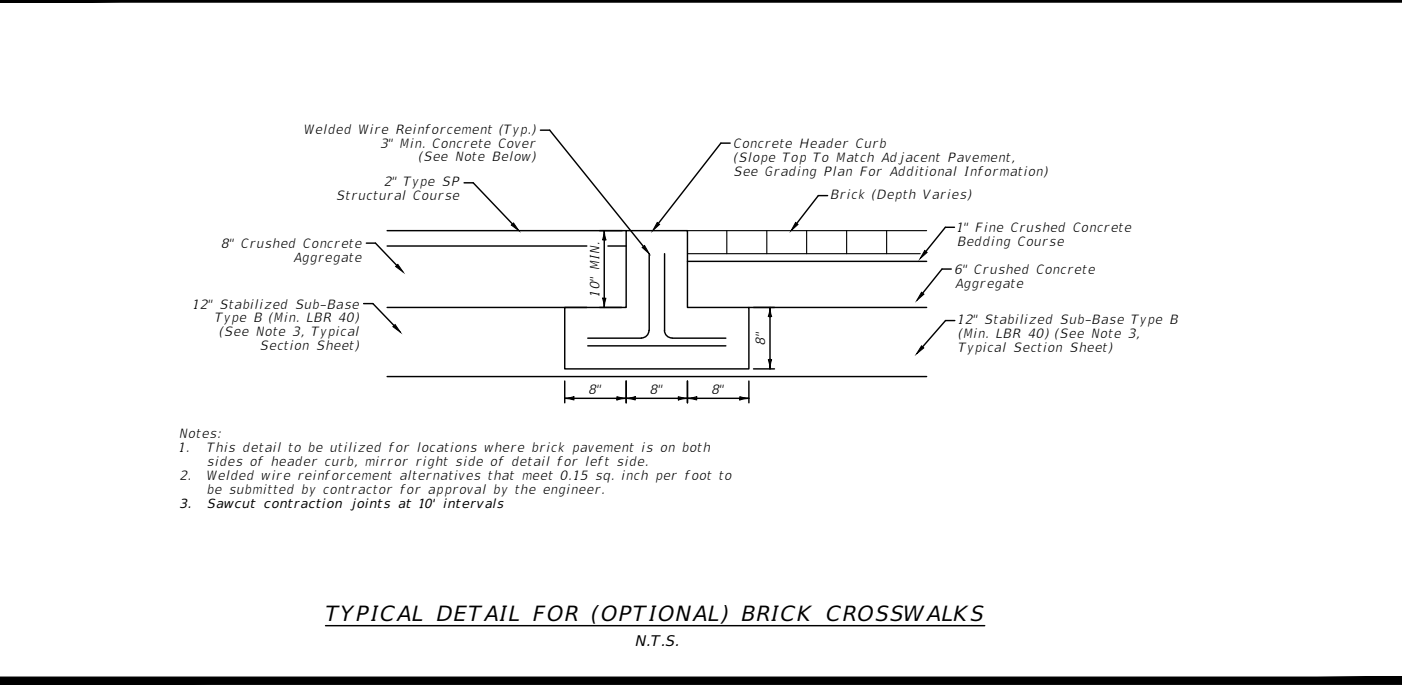
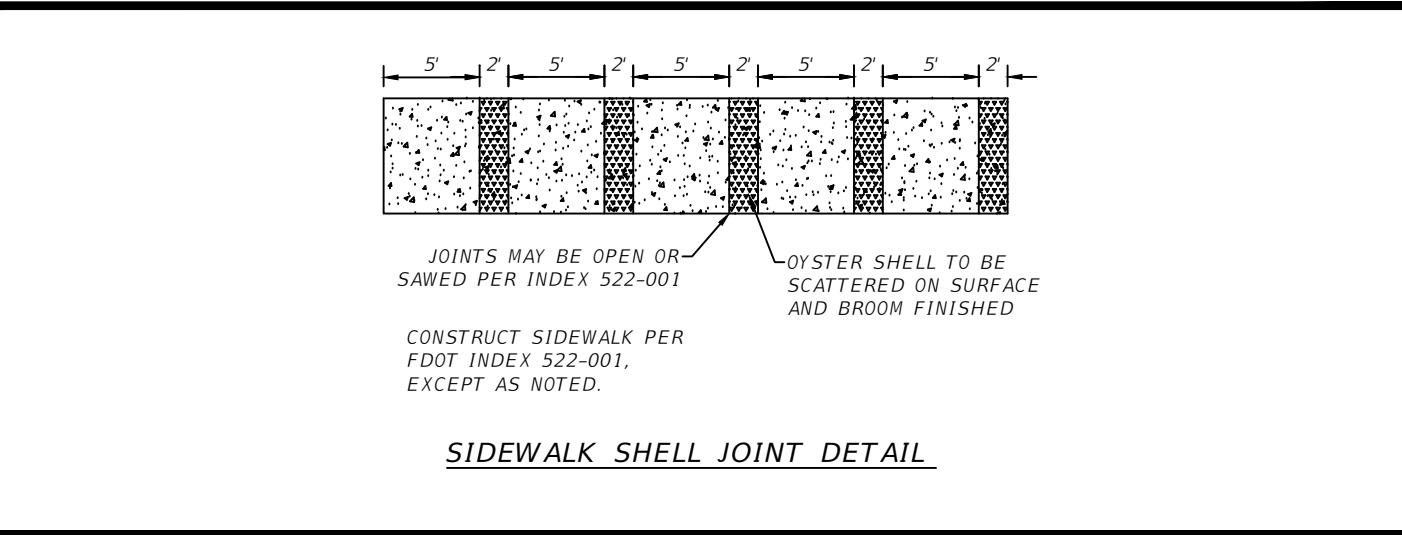
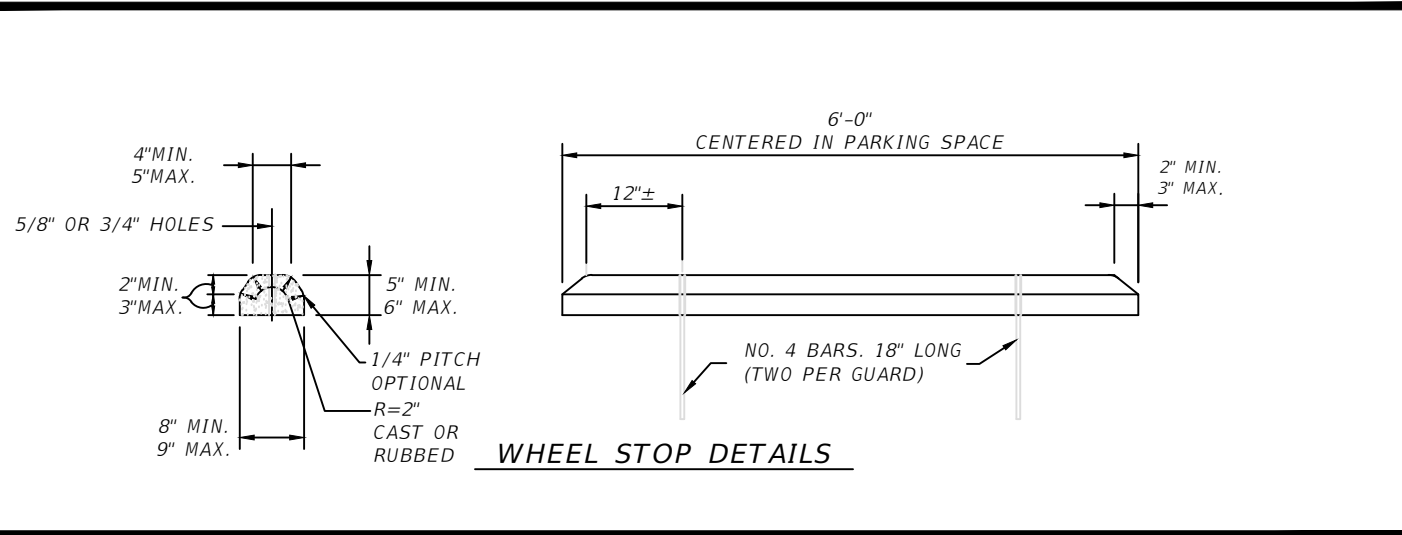
1. ALL TRAFFIC CONTROL DEVICES AND SCHEMES SHALL CONFORM TO THE FHWA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (2009) AND FDOT STANDARD PLANS, LATEST EDITION.
2. SIDE STREET AND LOCAL ACCESS SHALL BE MAINTAINED TO THE MAXIMUM EXTENT POSSIBLE FOR ALL PHASES OF CONSTRUCTION.
3. WHERE OPEN TRENCHES EXIST ADJACENT TO TRAVEL LANES A TEMPORARY BARRIER SHALL BE USED. UPON COMPLETION OF THE WORK, THE TRENCHES SHALL BE FILLED AND ACCESS RESTORED USING TEMPORARY FILL MATERIAL.
4. TEMPORARY STOP SIGNS SHALL BE INSTALLED AS REQUIRED DURING CONSTRUCTION TO MAINTAIN SAFE OPERATION OF THE SIDE ROAD TRAFFIC.
5. TRAFFIC MUST BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE CITY OF TARPON SPRINGS STANDARDS AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, LATEST EDITION. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES. THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE CITY FOR APPROVAL AT LEAST SEVEN CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION.
6. IF DETOURS ARE UTILIZED, DETOUR SIGNING SHALL BE ERECTED PRIOR TO OPENING THE DETOUR ROUTE.
7. ALL STREETS MUST BE OPEN TO LOCAL TRAFFIC DURING NON-WORKING HOURS.
8. CONSTRUCTION SIGN LOCATIONS MAY BE ADJUSTED BY THE ENGINEER BASED ON FIELD CONDITIONS.
9. PAYMENT FOR ALL ITEMS OUTLINED ABOVE AND AS REQUIRED FOR MAINTAINING TRAFFIC SHALL BE INCLUDED IN THE LUMP SUM UNIT COST FOR MAINTENANCE OF TRAFFIC, AND NO ADDITIONAL CLAIMS FOR TRAFFIC CONTROL WILL BE CONSIDERED.



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LEGEND			
	TYPE III BARRICADE		
	SIGN (AS LABELED IN PLAN)		
	Work Area		

		BY	DATE	WEST COURT STREET BANANA ST. TO ALT. US 19	TRAFFIC CONTROL PLAN	 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 ERIC K. NELSON, JR., P.E. No. 79361	DATE: 6/1/2020
		DESIGNED	EKN 2/17/20				SCALE: 1" = 100'
		DRAWN	EKN 2/17/20				SHEET: 11 of 30
REVISIONS	BY	DATE	CHECKED	DAI	CITY OF TARPON SPRINGS		



- NOTES:**
1. DRIVEWAY WIDTHS: 12' MIN. TO LIMITS AS APPROVED BY THE CITY.
 2. IF EXISTING DRIVEWAY IS LESS THAN 12' WIDE AT THE R/W LINE: REPLACEMENT WIDTH AT BACK OF SIDEWALK SET AT 12' WIDE, CENTERED ON EXISTING DRIVEWAY LOCATION.
 3. ALL COMMERCIAL CONCRETE DRIVES SHALL BE PLACED ON A COMPACTED SUBGRADE AND SHALL BE A MINIMUM OF 6" THICK AND REINFORCED WITH A DOUBLE LAYER OF WWF 6x6-W1.4xW1.4.
 4. ALL CONCRETE SHALL BE 3000 psi @ 28 DAYS MINIMUM.
 5. ALL ASPHALTIC CONCRETE DRIVEWAYS SHALL BE PLACED ON A MINIMUM 8" COMPACTED LIMEROCK OR SHELL BASE OVER A COMPACTED SUBGRADE, AS APPROVED BY THE ENGINEER. ASPHALTIC DRIVES SHALL BE A MIN. 1" THICK OF FDOT TYPE S-III ASPHALTIC CONCRETE, OR OTHER ASPHALTS WITH APPROVAL BY THE ENGINEER.
 6. ALL BRICK DRIVEWAYS SHALL BE PLACED ON A 1" COMPACTED SAND BED OVER A MINIMUM 8" COMPACTED SHELL SUB-GRADE.
 7. NO DRIVEWAYS SHALL BE ALLOWED IN CURB RADII.
 8. WHEN THE SIDEWALK ABUTS THE CURB THE WING SHALL BE 6' WIDE AS SHOWN.
 9. FOR DROPPED CURB REQUIREMENTS, SEE STANDARD DETAIL-TYPE "A", "B", "C", AND "D" CURB.
 10. WHERE A SIDEWALK MEETS A DRIVEWAY, THE SIDEWALK PANELS ON BOTH SIDES OF DRIVEWAY SHALL HAVE A DETECTABLE WARNING SURFACE. WHERE A CURB IS PRESENT, PROPOSED, OR THE LANDING SLOPE IS GREATER THAN 2%, A CURB RAMP SHALL BE REQUIRED, SEE STANDARD DETAIL-TYPE I, II, AND III SIDEWALK CURB RAMP, AND CITY STANDARD DETAIL- DETECTABLE WARNING SURFACES.
 11. EXPANSION JOINT SHALL CONSIST OF CONTINUOUS 1/2"x6" MINIMUM, BITUMINOUS EXPANSION STRIP.

USER: [Steven.Torres] Date: [May 27, 2016] Time: [2:48pm] File Location: [\\VAED-SERVER\Shared Folders\CADD\Municipal\Tarpon Springs\14.TS-25 (Standards Update)\Cadd\Current\ST.PETE\R-09.dwg]



**CITY OF
TARPON SPRINGS**
PINELLAS COUNTY, FLORIDA

**COMMERCIAL DRIVEWAY
CONSTRUCTION DETAIL**

DATE	12/15/15
INDEX	R-09
SCALE	N.T.S.
SHEET	1 OF 1

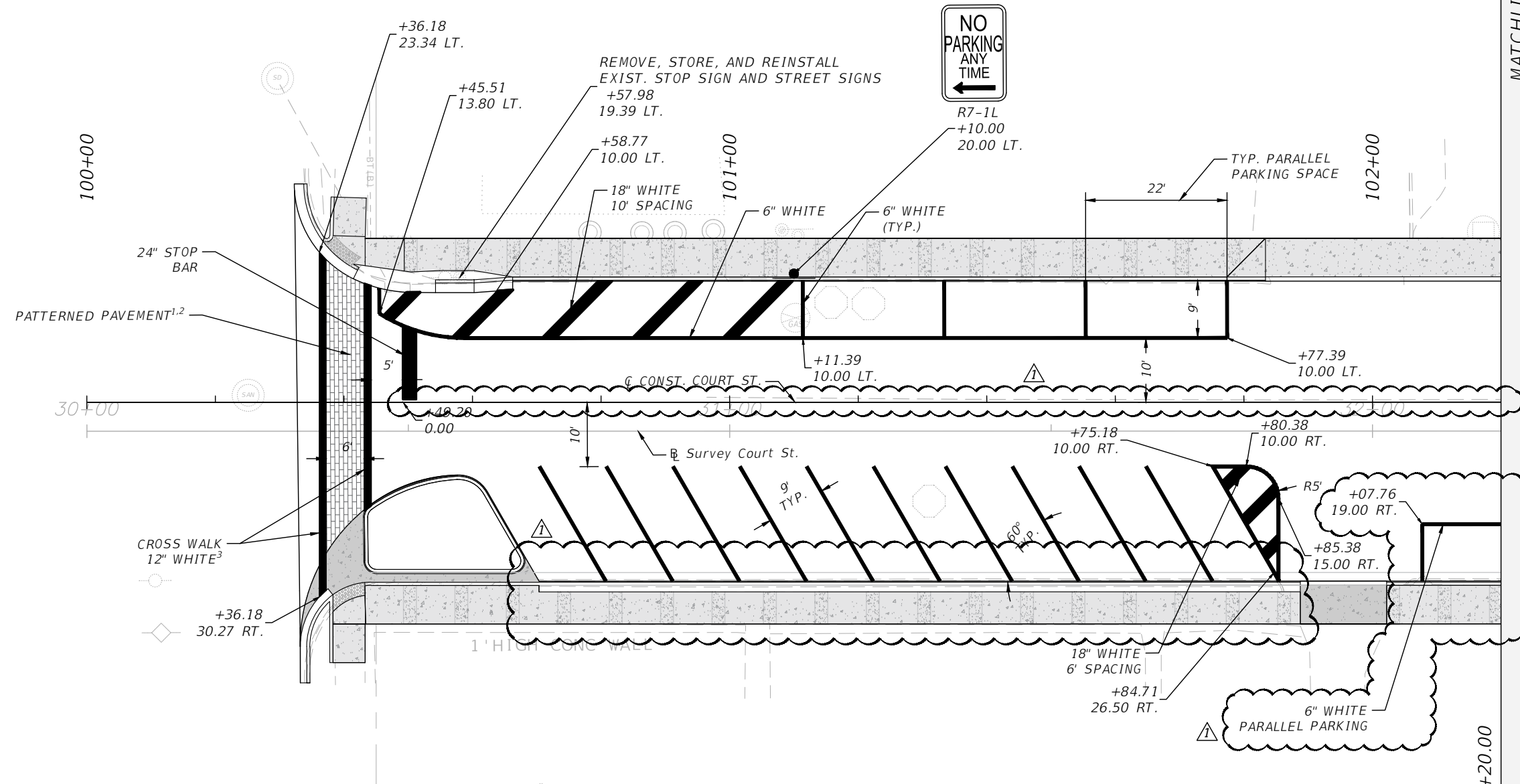
REVISIONS	BY	DATE	CHECKED	DAI	2/17/20
	DESIGNED	EKN	2/17/20		
	DRAWN	EKN	2/17/20		

**WEST COURT STREET
BANANA ST. TO ALT. US 19**
CITY OF TARPON SPRINGS

GENERAL DETAILS

American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE: 09/10/2018
SCALE: N/A
SHEET: 12 of 30



1. PATTERNED PAVEMENT SHALL BE CONSTRUCTED PER FDOT STANDARD SPECIFICATION 523 WITH THE FOLLOWING REQUIREMENTS:
 - PATTERN - RUNNING BOND (PERPENDICULAR TO ϕ OF CONST. COURT ST.)
 - COLOR - BRICK RED
 - DIMENSIONS - BRICK SIZE 8"x4" (7.5"x3.5"), GROUT LINE 3/4"-7/8"x3/8"
2. CONTRACTOR SHALL ALSO PROVIDE AN OPTIONAL SERVICES COST FOR INSTALLING CLAY BRICK CROSSWALKS IN PLACE OF PATTERNED PAVEMENT. BRICKS SHALL MEET THE REQUIREMENTS IN NOTE 1.
3. THE 12" WHITE STRIPING IS NOT REQUIRED FOR OPTIONAL CLAY BRICK ALTERNATIVE.

MATCHLINE STA. - 102+20.00

MATCHLINE STA. - 102+20.00



△	REMOVED WHEEL STOPS, CONVERTED DIAGONAL TO	EKN	5/19/20		BY	DATE
	PARRALELL PARKING, REMOVED CENTERLINE STRIPING	EKN	5/19/20	DESIGNED	EKN	2/17/20
				DRAWN	EKN	2/17/20
	REVISIONS	BY	DATE	CHECKED	DB	2/17/20

**WEST COURT STREET
BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

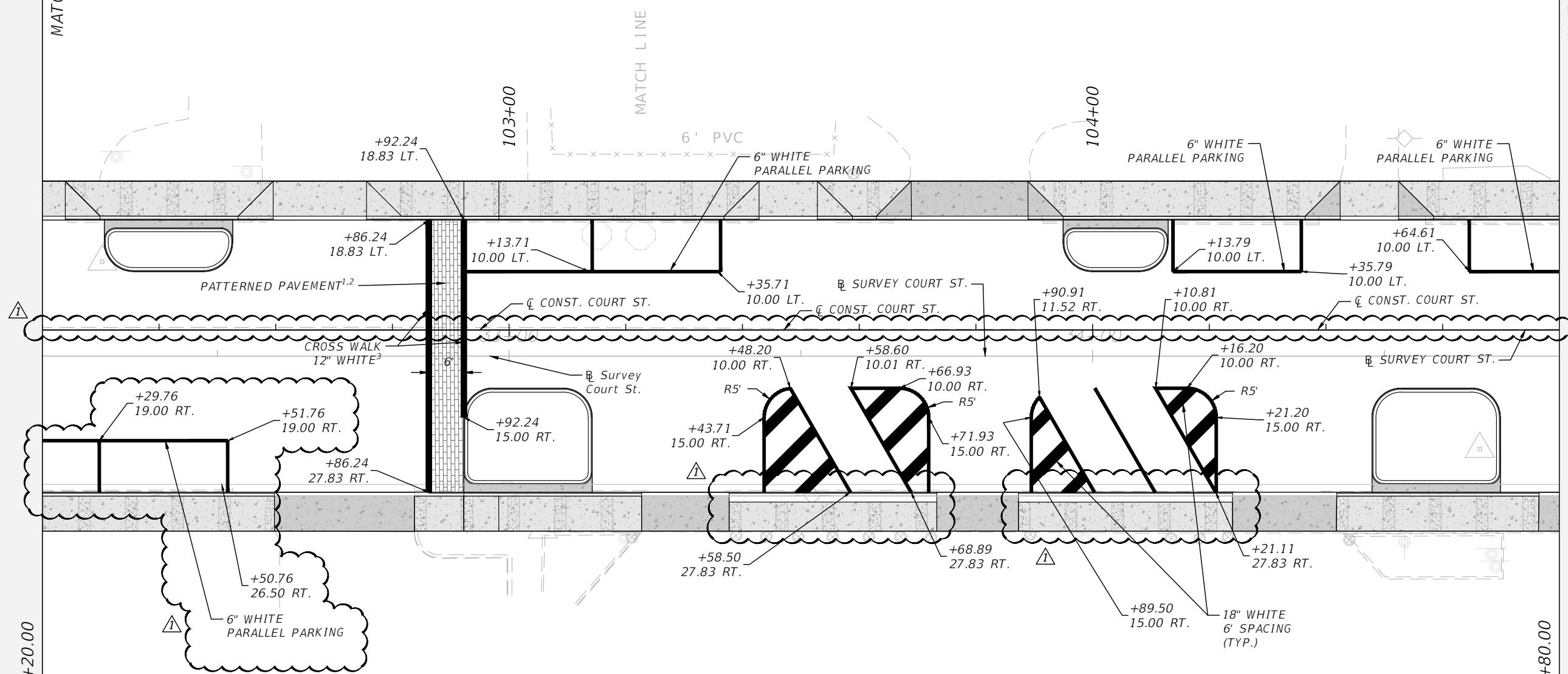
**SIGNING & PAVEMENT
MARKING PLAN (1)**

American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE:	6/1/20
SCALE:	1" = 20'
SHEET:	13 of 30

MATCHLINE STA. - 102+20.00

MATCHLINE STA. - 104+80.00



1. PATTERNED PAVEMENT SHALL BE CONSTRUCTED PER FDOT STANDARD SPECIFICATION 523 WITH THE FOLLOWING REQUIREMENTS:
 - PATTERN - RUNNING BOND (PERPENDICULAR TO ϕ OF CONST. COURT ST.)
 - COLOR - BRICK RED
 - DIMENSIONS - BRICK SIZE 8"x4" (7.5"x3.5"), GROUT LINE 3/4"-7/8"x3/8"
2. CONTRACTOR SHALL ALSO PROVIDE AN OPTIONAL SERVICES COST FOR INSTALLING CLAY BRICK CROSSWALKS IN PLACE OF PATTERNED PAVEMENT. BRICKS SHALL MEET THE REQUIREMENTS IN NOTE 1.
3. THE 12" WHITE STRIPING IS NOT REQUIRED FOR OPTIONAL CLAY BRICK ALTERNATIVE.

BURRUSS SUBDIVISION
PB 107 PG 29

REMOVED WHEEL STOPS, CONVERTED DIAGONAL TO	EKN	5/19/20		BY	DATE
PARRALELL PARKING, REMOVED CENTERLINE STRIPING	EKN	5/19/20	DESIGNED	EKN	2/17/20
			DRAWN	EKN	2/17/20
REVISIONS	BY	DATE	CHECKED	DB	2/17/20

**WEST COURT STREET
BANANA ST. TO ALT. US 19**
CITY OF TARPON SPRINGS

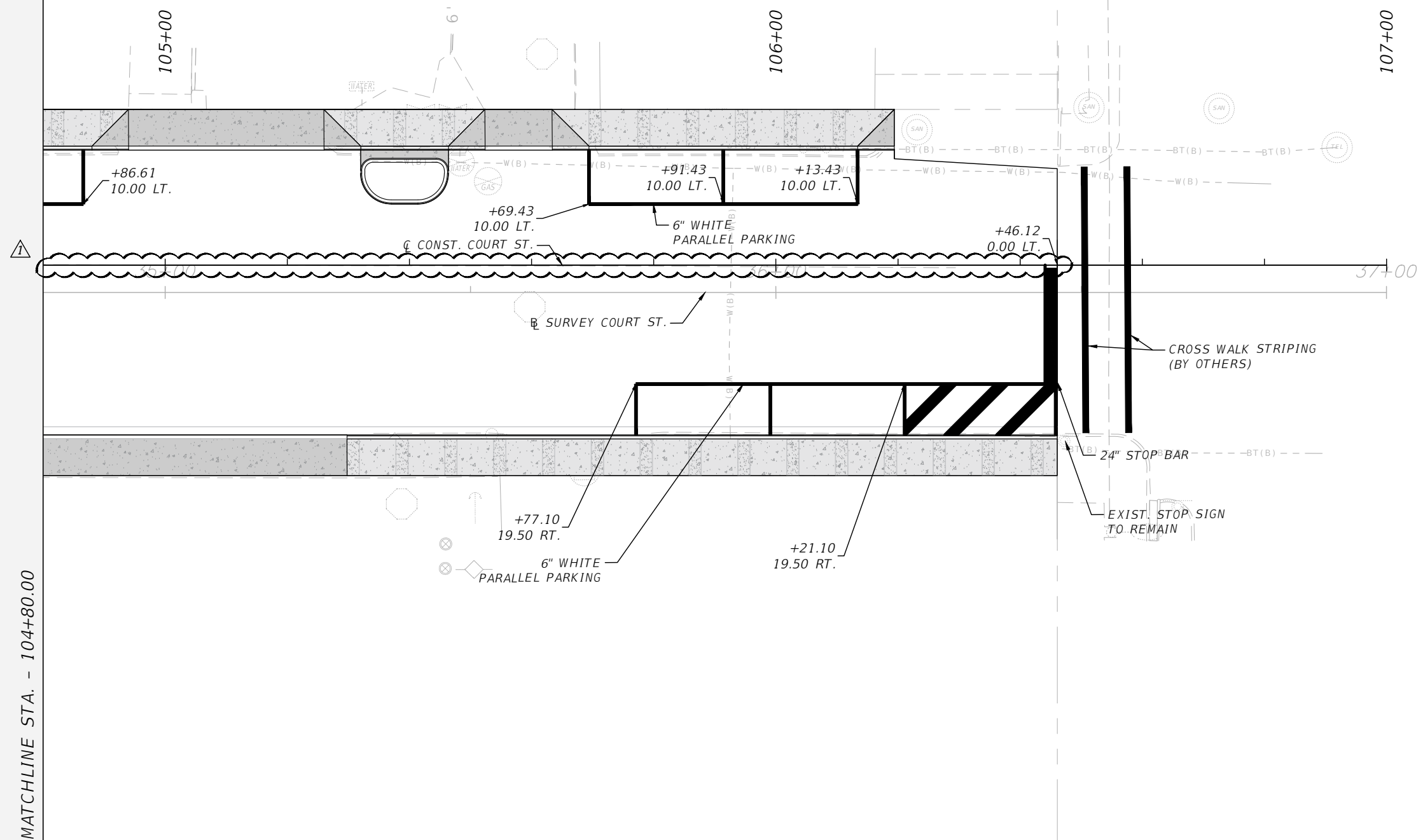
**SIGNING & PAVEMENT
MARKING PLAN (2)**

American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
SCALE: 1" = 20'
SHEET: 14 of 30



MATCHLINE STA. - 104+80.00



MATCHLINE STA. - 104+80.00

△	REMOVED WHEEL STOPS, CONVERTED DIAGONAL TO	EKN	5/19/20		BY	DATE
	PARRALELL PARKING, REMOVED CENTERLINE STRIPING	EKN	5/19/20	DESIGNED	EKN	2/17/20
				DRAWN	EKN	2/17/20
	REVISIONS	BY	DATE	CHECKED	DB	2/17/20

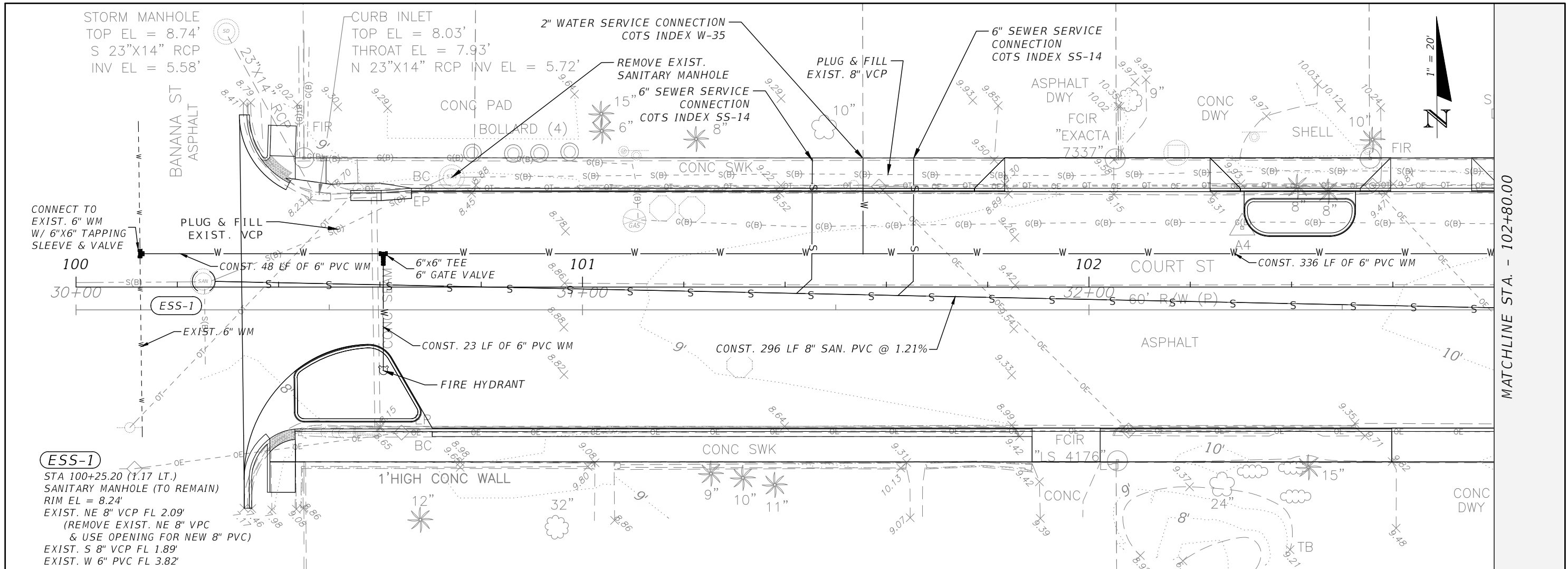
**WEST COURT STREET
BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

**SIGNING & PAVEMENT
MARKING PLAN (3)**

American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE:	6/1/20
SCALE:	1" = 20'
SHEET:	15 of 30



CONNECT TO EXIST. 6" WM W/ 6"X6" TAPPING SLEEVE & VALVE

100
30+00

PLUG & FILL EXIST. VCP

CONST. 48 LF OF 6" PVC WM

6"X6" TEE
6" GATE VALVE

101
54+00

CONST. 23 LF OF 6" PVC WM

FIRE HYDRANT

CONST. 296 LF 8" SAN. PVC @ 1.21%

102
32+00

CONST. 336 LF OF 6" PVC WM

ESS-1

STA 100+25.20 (1.17 LT.)
SANITARY MANHOLE (TO REMAIN)
RIM EL = 8.24'
EXIST. NE 8" VCP FL 2.09'
(REMOVE EXIST. NE 8" VCP & USE OPENING FOR NEW 8" PVC)
EXIST. S 8" VCP FL 1.89'
EXIST. W 6" PVC FL 3.82'

ESS-1

CONNECT TO EXIST. 6" WM W/ 6"X6" TAPPING SLEEVE & VALVE

CONST. 8" SAN. PVC @ 1.21%

CONST. 6" PVC WM

SEWER SERVICE CONNECT

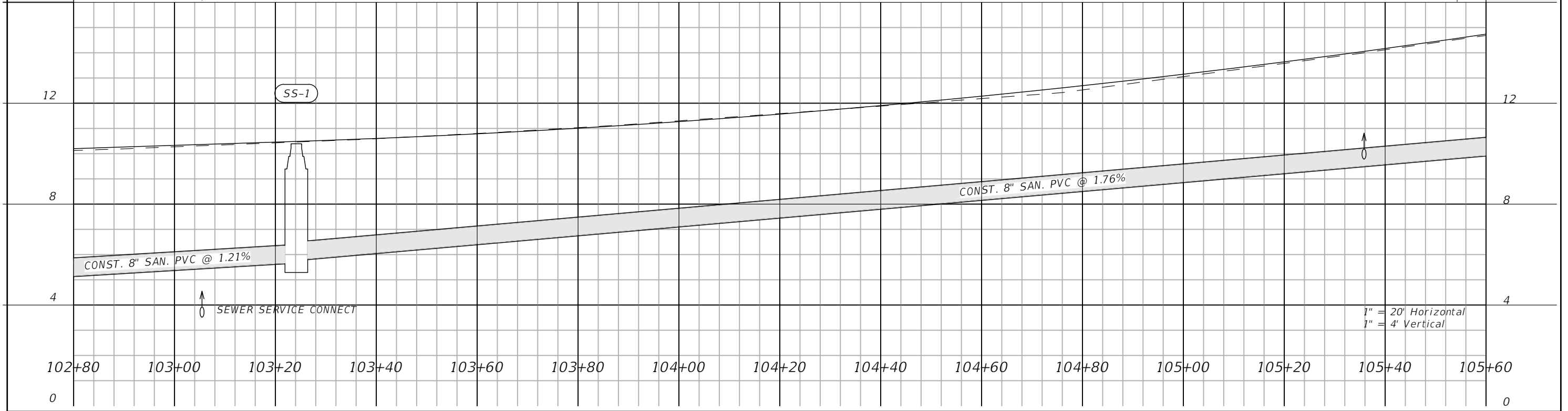
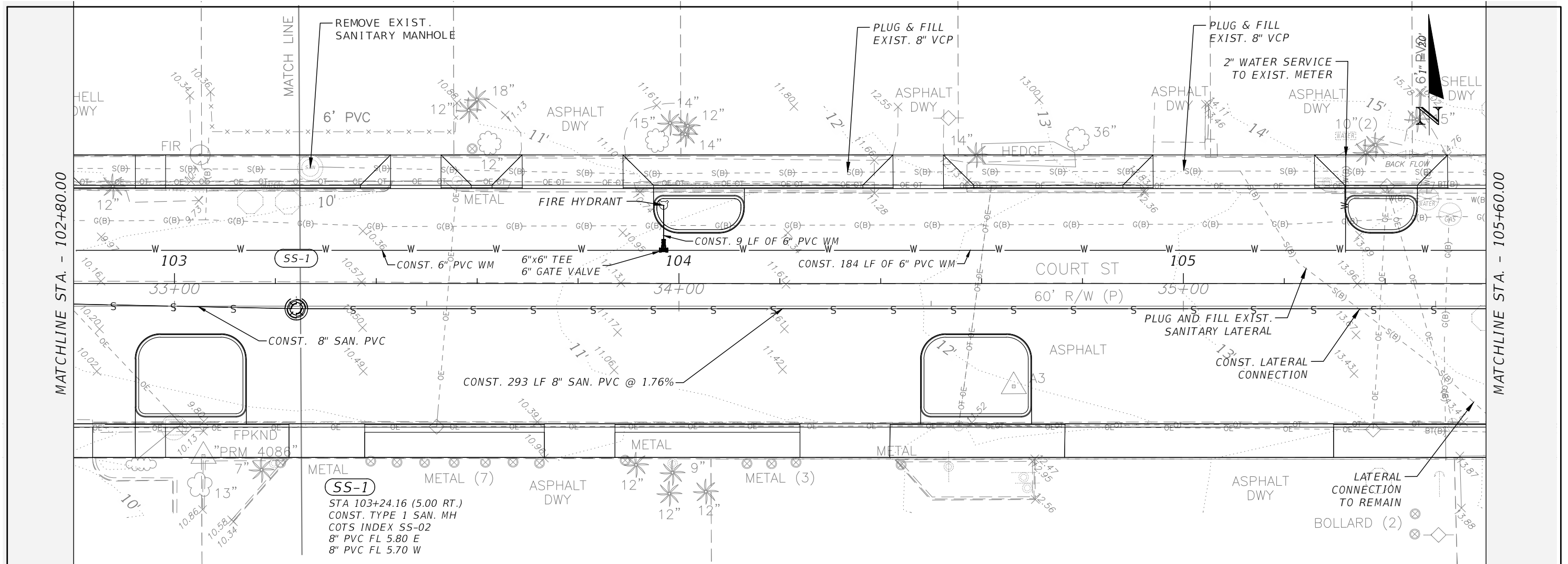
1" = 20' Horizontal
1" = 4' Vertical

100+00 100+20 100+40 100+60 100+80 101+00 101+20 101+40 101+60 101+80 102+00 102+20 102+40 102+60 102+80

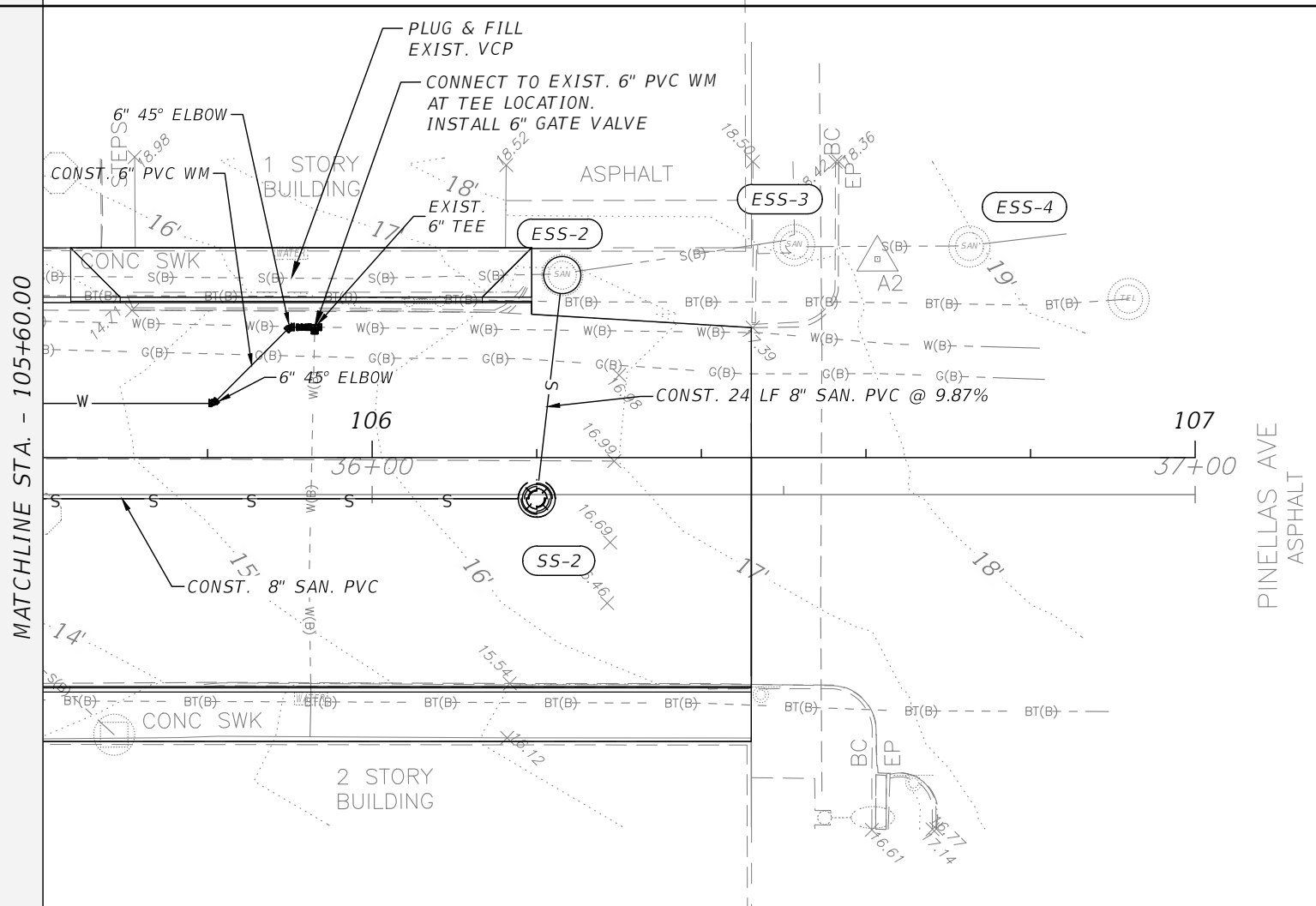
-4

MATCHLINE STA. - 102+80.00

		BY	DATE	WEST COURT STREET BANANA ST. TO ALT. US 19 CITY OF TARPON SPRINGS	UTILITY PLAN & PROFILE (1)	STROUD ENGINEERING CONSULTANTS, INC. 10503 CYNDEE LANE ODESSA, FLORIDA 33556 PHONE: (813) 780-1964 CERTIFICATE OF AUTHORIZATION NO. 29607 KURT D. HEATH, PE No. 56181	DATE:	09/10/2018
		DESIGNED	KDH 2/17/20				SCALE:	N/A
		DRAWN	EKN 2/17/20				SHEET:	16 of 30
REVISIONS	BY	DATE	CHECKED	KDH 2/17/20				



REVISIONS		BY	DATE	CHECKED	DATE	WEST COURT STREET BANANA ST. TO ALT. US 19 CITY OF TARPON SPRINGS	UTILITY PLAN & PROFILE (2)	STROUD ENGINEERING CONSULTANTS, INC.		DATE: 09/10/2018
								10503 CYNDEE LANE ODESSA, FLORIDA 33556 PHONE: (813) 760-1964 CERTIFICATE OF AUTHORIZATION NO. 29607		SCALE: N/A
								KURT D. HEATH, PE No. 56181		SHEET: 17 of 30



ESS-2
 STA 106+23.11 (22.17 LT.)
 EXIST. SAN. MH (TO REMAIN)
 RIM EL = 17.09'
 EXIST. 6" VCP FL = 13.92' E
 EXIST. 6" VCP FL = 14.04' W (TO BE PLUGGED)
 8" PVC FL 13.80 S
 CORE DRILL MH FOR PROPOSED 8" PVC CONNECTION (S)
 MODIFY FLOWLINE CHANNEL PER DETAILS
 COTS INDEX SS-17

ESS-3
 STA 106+51.27 (25.81 LT.)
 EXIST. SAN. MANHOLE (TO REMAIN)
 RIM EL = 18.05'
 EXIST. 8" VCP FL = 14.34' E
 EXIST. 6" VCP FL = 14.33' W

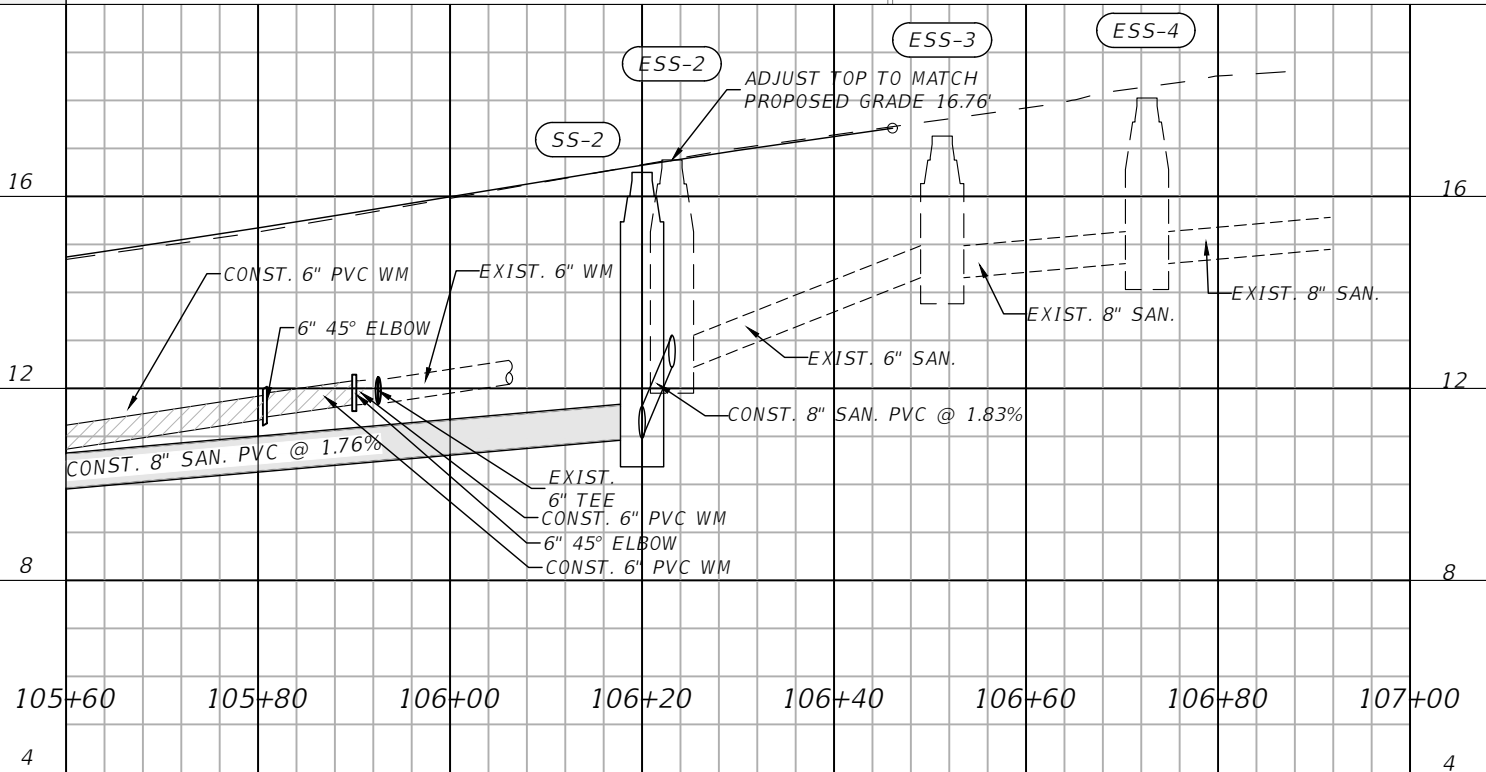
ESS-4
 STA 106+72.60 (-25.59 Lt.)
 EXIST. SAN. MH (TO REMAIN)
 RIM EL = 18.93'
 EXIST. 8" VCP FL = 14.56' E
 EXIST. 8" VCP FL = 14.63' W

SS-2
 STA 106+20.00 (5.00 RT.)
 CONST. TYPE 1 SAN. MH
 COTS INDEX SS-02
 8" PVC FL 11.10 N
 8" PVC FL 11.00 W



MATCHLINE STA. - 105+60.00

PINELLAS AVE
ASPHALT



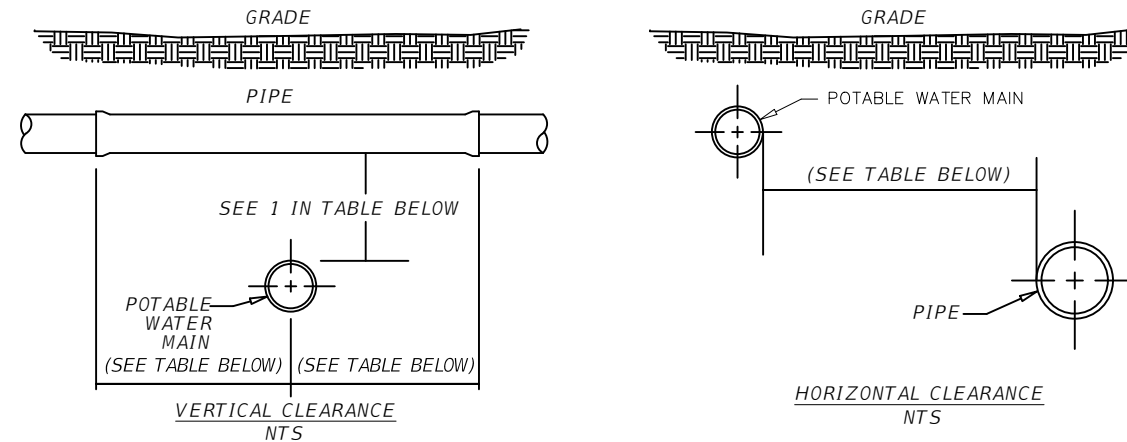
1" = 20' Horizontal
 1" = 4' Vertical

		BY	DATE	WEST COURT STREET BANANA ST. TO ALT. US 19 CITY OF TARPON SPRINGS	UTILITY PLAN & PROFILE (3)	STROUD ENGINEERING CONSULTANTS, INC. 10503 CYNDEE LANE ODESSA, FLORIDA 33556 PHONE: (813) 760-1964 CERTIFICATE OF AUTHORIZATION NO. 29607 KURT D. HEATH, PE No. 56181	DATE:	09/10/2018	
		DESIGNED	KDH				2/17/20	SCALE:	N/A
		DRAWN	EKN				2/17/20	SHEET:	18 of 30
REVISIONS	BY	DATE	CHECKED	KDH	2/17/20				

WATER MAIN & SANITARY SEWER GENERAL NOTES

- ALL WATER AND SEWER IMPROVEMENTS SHALL BE PERFORMED PER THE CITY OF TARPON SPRINGS STANDARD DETAILS AND STANDARD SPECIFICATIONS, LATEST EDITIONS, PUBLISHED BY THE BUILDING DEVELOPMENT DEPARTMENT.
- EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED OR ADJUSTED BY THEIR OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES.
- LOCATIONS AND SIZE OF THE UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. HOWEVER, THERE IS NO GUARANTEE THAT ALL EXISTING UTILITIES HAVE BEEN FOUND OR SHOWN. THE CONTRACTOR IS FOREWARNED TO ASCERTAIN AND DETERMINE PRECISE LOCATIONS PRIOR TO EXCAVATION. NO CLAIM FOR EXTRA COST SHALL BE MADE AS A RESULT OF THE AFOREMENTIONED APPROXIMATIONS. THE CONTRACTOR SHALL LOCATE EXACTLY ALL UTILITIES THAT CROSS THE PROPOSED UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER'S OFFICE IMMEDIATELY ON ANY CONFLICTS BETWEEN WHAT IS HEREIN AND ACTUAL CONDITIONS DISCOVERED DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY. SPECIAL PRECAUTIONS MAY BE REQUIRED IN THE VICINITY OF POWER LINES AND OTHER UTILITIES.
- ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS, PERMIT REQUIREMENTS, AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITY CONNECTION POINTS PRIOR TO CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND.
- THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED, INCLUDING ASPHALT PAVEMENT CUTTING.
- THE CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY TO PROVIDE SUPPORT FOR UTILITY POLES WHERE CONSTRUCTION MAY CAUSE THE POLE TO LOSE ITS SELF-SUPPORTING ABILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS & SEQUENCES TO ACCOMMODATE THE SUPPORT OF THE POLES.
- ALL WATER MAIN PIPING SHALL BE AWWA C-900 DR 18 IN ACCORDANCE WITH THE PROJECT AND CITY SPECIFICATIONS. A LOCATING TAPE SHALL BE INSTALLED ABOVE ALL PVC MAINS IN ACCORDANCE WITH THE PROJECT AND CITY SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE FILL MATERIAL, AS NECESSARY, OVER CONSTRUCTED WATER MAIN TO PROVIDE REQUIRED COVER. IN ADDITION CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE CONSTRUCTED FACILITIES DUE TO THEIR OPERATIONS.
- ALL ROCKS OR STONES LARGER THAN 6" IN DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN 12" OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN 2" IN DIAMETER.
- RIMS OF ALL EXISTING VALVES, MANHOLES, ETC., DESIGNATED TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING AND CONNECTING WATER SERVICE CONNECTIONS TO INDIVIDUAL HOME OWNERS, BUSINESSES, ETC. CONTRACTOR, WITH ASSISTANCE FROM THE CITY, SHALL LOCATE THESE SERVICES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN SERVICE TO THE BUSINESSES, RESIDENCES, ETC. AT ALL TIMES. THE CONTRACTOR SHALL PERFORM OPERATIONS NECESSARY FOR CONNECTING TO THE EXISTING SYSTEM AT TIMES OF MINIMUM FLOW RATE OR DURING NON-BUSINESS TIMES INCLUDING PERFORMING CONNECTIONS AT NIGHT. SAID OPERATIONS SHALL BE ACCOMPLISHED EXPEDITIOUSLY IN ORDER TO MINIMIZE SERVICE DISRUPTION. ALL SCHEDULES SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER WITH TECHNICAL ASSISTANCE FROM THE CITY. A PLAN FOR CONNECTION SHALL BE SUBMITTED TO THE ENGINEER A MINIMUM OF 3 WORKING DAYS PRIOR TO CONNECTION.
- IN ORDER TO MAKE CONNECTIONS TO EXISTING WATER MAINS, THE CONTRACTOR SHALL PROVIDE TEMPORARY BY-PASS PIPING IN ORDER TO AVOID INTERRUPTIONS OF FLOW. THIS CAN BE ACCOMPLISHED WITH LINE STOPS AND BY-PASS PIPE.
- IN AREAS WHERE PIPE LINE MAY BE INSTALLED BEFORE NEW GRADE IS COMPLETED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COVER AND PROTECT THE PIPE LINES.

WATER MAIN CLEARANCES DETAIL

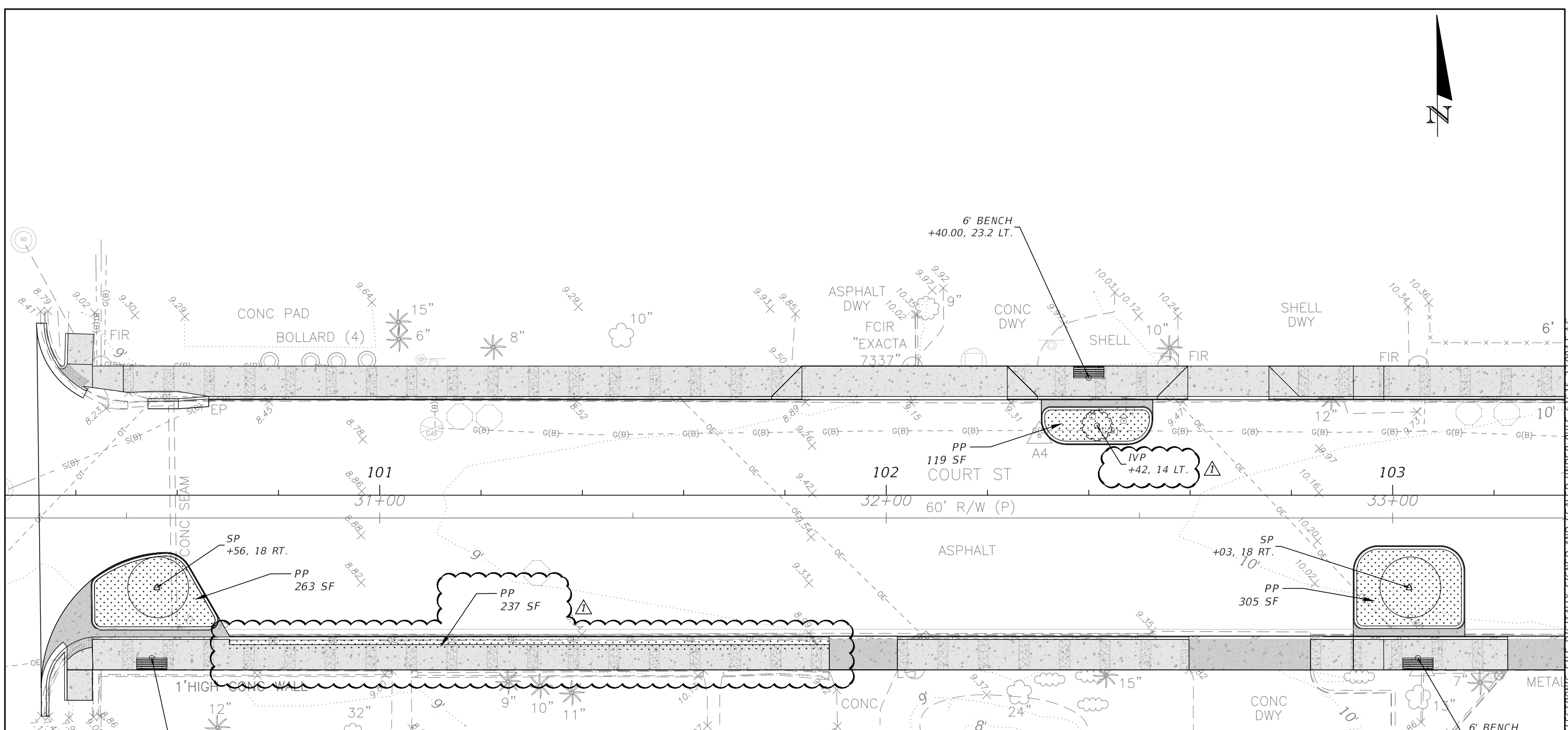


PIPE	HORIZONTAL SEPARATION	CROSSING (1)	JOINT SPACING @ CROSSINGS
VACUUM-TYPE SANITARY SEWER, STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER (2)	3 FT. MINIMUM	12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, THEN 6" IS THE MINIMUM AND 12" IS PREFERRED	(FULL JOINT CENTERED, ALTERNATE 3 FT. MINIMUM FOR ALL JOINTS)
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)	10 FT. PREFERRED 6 FT. MINIMUM (3)	12 INCHES IS THE MINIMUM, EXCEPT FOR GRAVITY SEWER, THEN 6" IS THE MINIMUM AND 12" IS PREFERRED	(FULL JOINT CENTERED, ALTERNATE 3 FT. MINIMUM FOR ALL JOINTS)
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 FT. MINIMUM		

NOTES: (IN ACCORDANCE WITH F.A.C RULE 62-555.314)

- POTABLE WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN POTABLE WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF GRAVITY SANITARY SEWER.
- RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

				BY	DATE	WEST COURT STREET BANANA ST. TO ALT. US 19 CITY OF TARPON SPRINGS	UTILITY DETAILS (1)	STROUD ENGINEERING CONSULTANTS, INC.	DATE: 09/10/2018
		DESIGNED	KDH	2/17/20	10503 CYNDEE LANE ODESSA, FLORIDA 33556 PHONE: (813) 760-1964 CERTIFICATE OF AUTHORIZATION NO. 29607			SCALE: N/A	
REVISIONS	BY	DATE	CHECKED	KDH	2/17/20			KURT D. HEATH, PE No. 56181	SHEET: 19 of 30



- NOTES:
- GROUND COVER AND TREES SHALL BE PLANTED PER THE CITY OF TARPON SPRINGS STANDARD DETAILS.
 - BENCHES SHALL BE 6' BENCHES TO BE APPROVED BY CITY'S ENGINEER. STATION/OFFSET BASED UPON FRONT CENTER OF BENCH.

PLANTING SCHEDULE										
LABEL	SYM	BOTANICAL NAME	COMMON NAME	INSTALLED SIZE	MAXIMUM MAINTAINED SIZE	SPACING	UNIT	SHEET NUMBERS		GRAND TOTAL
								20	21	
SP	△	PHOENIX SYLVESTRIS	SYLVESTER DATE PALM	B & B, 12' CLEAR TRUNK, CERTIFICATE OF AUTHENTICITY	NONE	AS SHOWN	EA	2	1	3
IVP	☼	ILEX VOMITORIA PENDULA	WEeping YAUPON HOLLY	45 GALLON STANDARD, 6' CLEAR TRUNK, 10' HEIGHT	NONE	AS SHOWN	EA	1	2	3
PP	●	ARACHIS GLABRATA	PERENNIAL PEANUT	1 GALLON	NONE	12"	SF	924	615	1539

△	ADDED 4' SIDEWALK W/ LANDSCAPE SEPARATOR	EKN	5/19/20		BY	DATE
	REPLACED BUTTWOOD WITH HOLLY	EKN	5/19/20	DESIGNED	EKN	2/17/20
				DRAWN	EKN	2/17/20
	REVISIONS	BY	DATE	CHECKED	RR	2/17/20

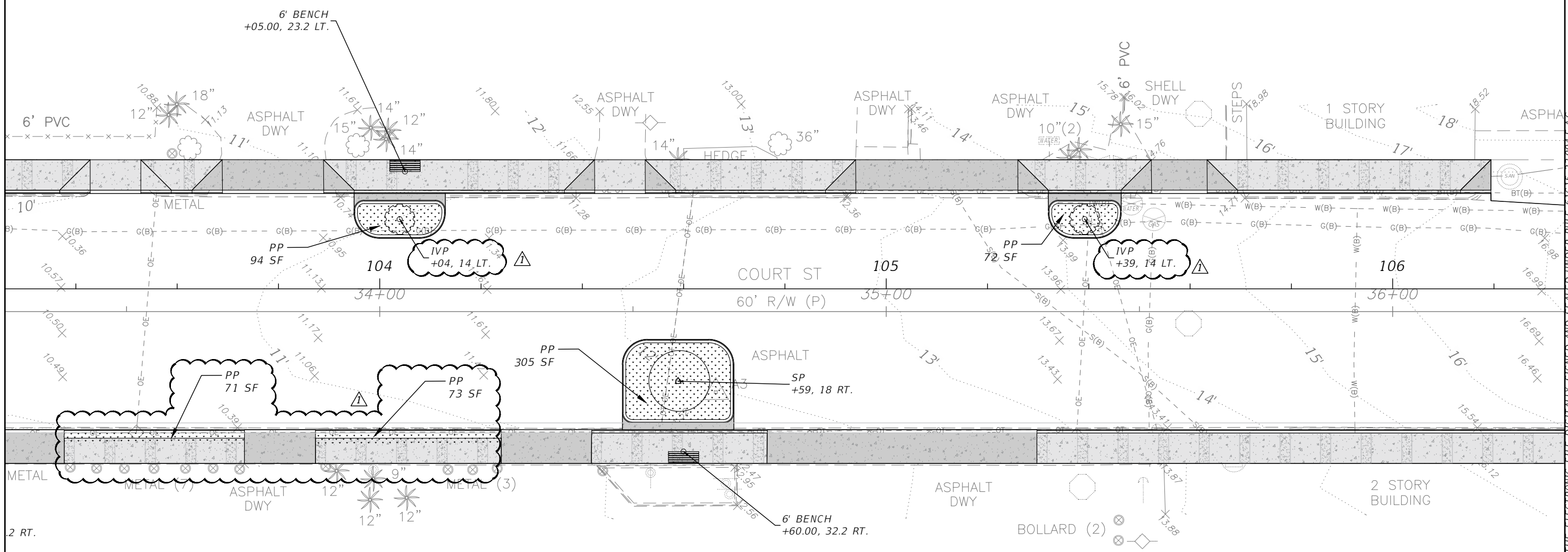
CITY OF TARPON SPRINGS

LANDSCAPE PLAN (1)

American
 Consulting Engineers of Florida, LLC
 2818 Cypress Ridge Blvd, Suite 200
 Wesley Chapel, Florida 33544
 Phone: (813) 435-2600 Fax: (813) 435-2601
 Certificate of Authorization No. 9302
 ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
 SCALE: 1" = 20'
 SHEET: 20 of 30

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,F.A.C.



- NOTES:
- GROUND COVER AND TREES SHALL BE PLANTED PER THE CITY OF TARPON SPRINGS STANDARD DETAILS.
 - BENCHES SHALL BE 6' BENCHES TO BE APPROVED BY CITY'S ENGINEER. STATION/OFFSET BASED UPON FRONT CENTER OF BENCH.

△	ADDED 4' SIDEWALK W/ LANDSCAPE SEPARATOR	EKN	5/19/20		BY	DATE
	REPLACED BUTTWOOD WITH HOLLY	EKN	5/19/20	DESIGNED	EKN	2/17/20
				DRAWN	EKN	2/17/20
	REVISIONS	BY	DATE	CHECKED	RR	2/17/20

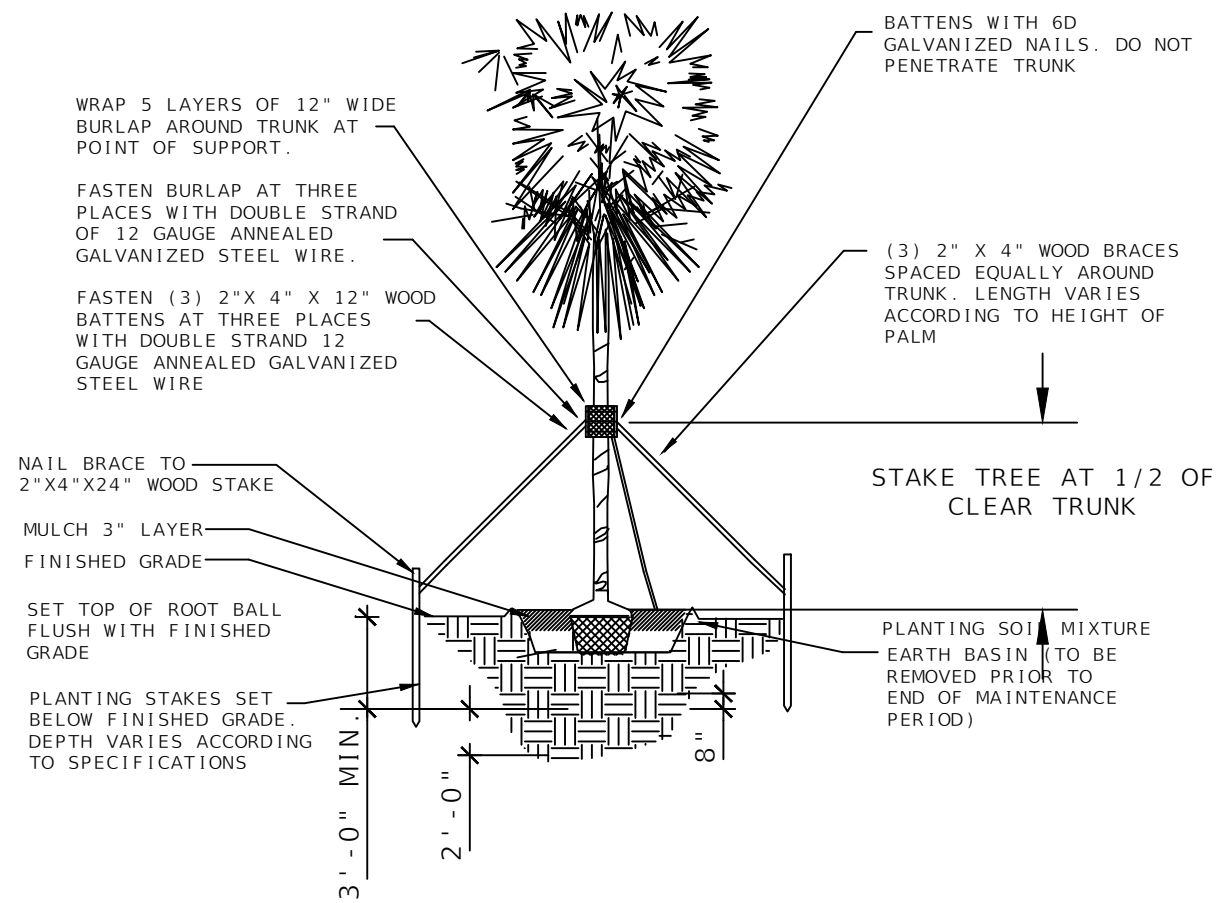
CITY OF TARPON SPRINGS

LANDSCAPE PLAN (2)

American
 Consulting Engineers of Florida, LLC
 2818 Cypress Ridge Blvd, Suite 200
 Wesley Chapel, Florida 33544
 Phone: (813) 435-2600 Fax: (813) 435-2601
 Certificate of Authorization No. 9302
 ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
 SCALE: 1" = 20'
 SHEET: 21 of 30

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004,F.A.C.



PROVIDE ROUGH SAWN WOOD BATTENS, BRACES AND STAKES FREE FROM KNOTS, ROT, CROSS GRAIN OR OTHER DEFECTS WHICH WOULD IMPAIR THEIR STRENGTH.

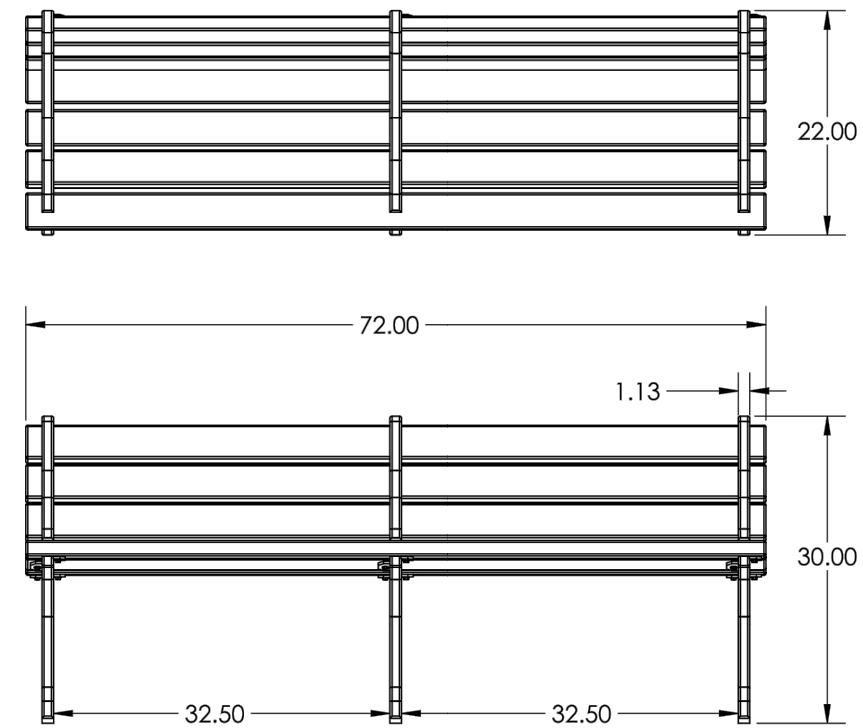
TIE PALM BUDS WITH A BURLAP STRIP OR HEAVY TWINE TO PROTECT DURING MOVING AND HANDLING, REMOVE AT END OF MAINTENANCE PERIOD.

PROVIDE HEALTHY PALMS FREE FROM DEAD FRONDS, BURN MARKS, BENT TRUNKS, OR HOLES IN TRUNKS GREATER THAN ONE CUBIC INCH.

PALM STAKING & PLANTING DETAIL

6ft Bench Specifications BC1190

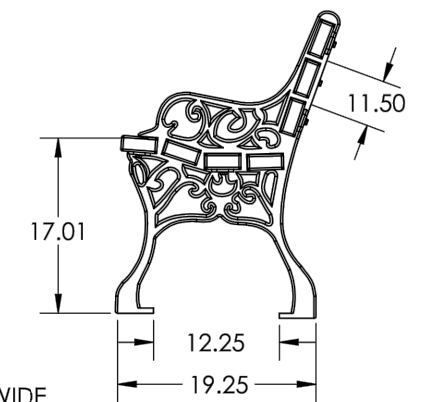
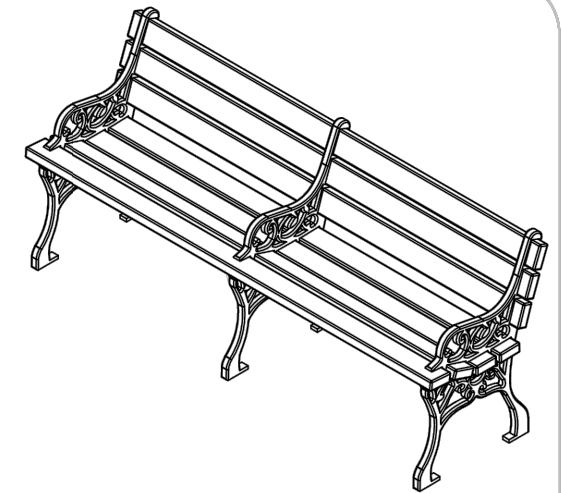
REV# 3
1/12/2018



CONSTRUCTION MATERIALS:
Recycled Plastic, Cast Aluminum
HARDWARE:
Stainless Steel

BENCH SLATS ARE 1.5 INCHES THICK BY 3.5 INCHES WIDE

ALL DIMENSIONS SHOWN IN INCHES



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS	BY	DATE	CHECKED	2/17/20

CITY OF TARPON SPRINGS

LANDSCAPE DETAILS

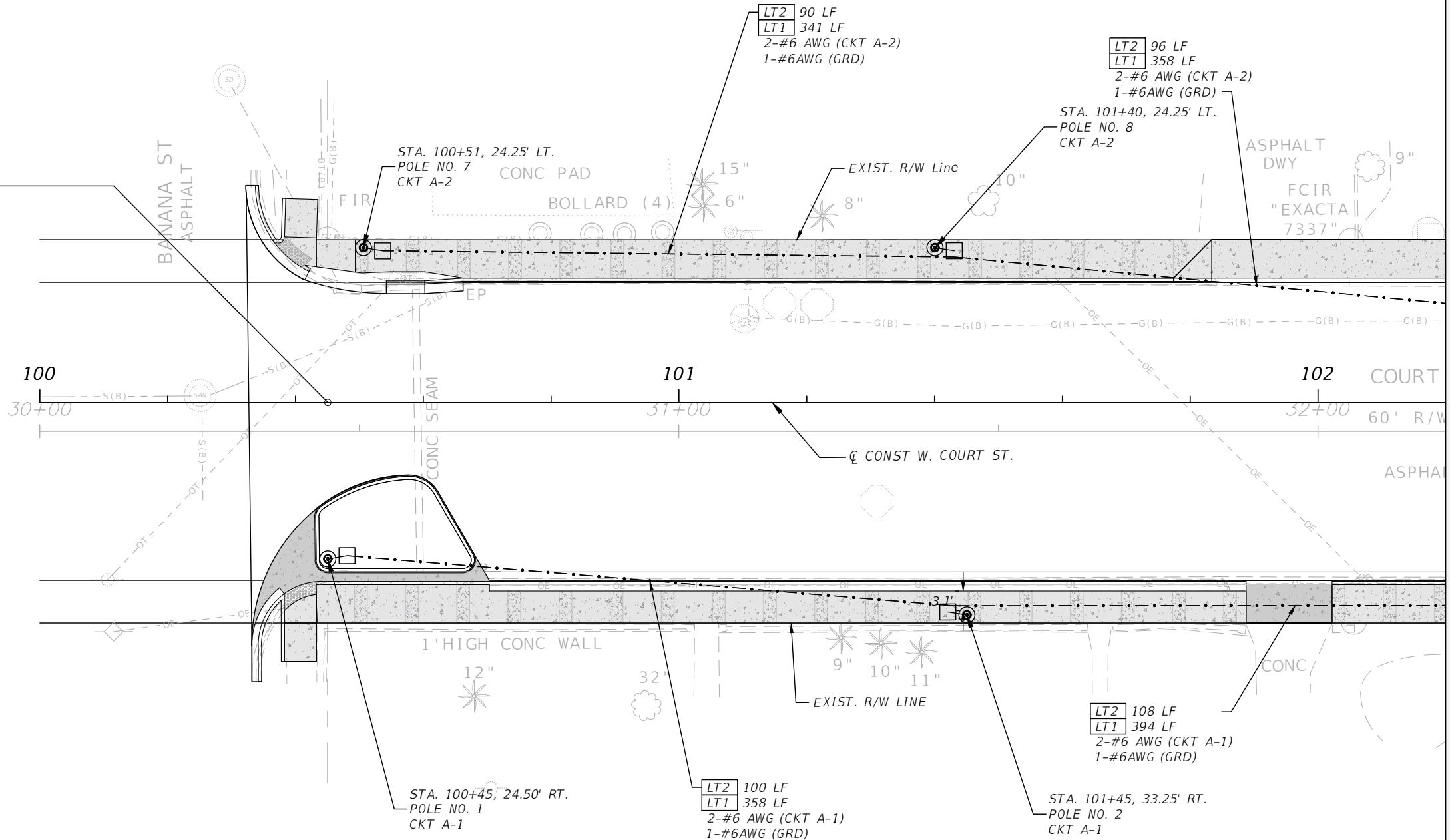
American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Westley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
ERIC K. NELSON, JR., P.E. No. 79361

DATE: 6/1/20
SCALE: N/A
SHEET: 22 of 30

A5



BEGIN LIGHTING PROJECT
STA. 100+45



- NOTES:
1. CONDUIT, PULL BOXES, LOAD CENTERS AND POLE FOUNDATIONS SHALL BE PLACED INSIDE OF RIGHT-OF-WAY.
 2. ALL PEDESTRIAN LIGHT POLE FOUNDATIONS SHALL BE PLACED AT THE BACK THE CONCRETE SIDEWALK. FOUNDATIONS WHICH RESULT IN CONFLICTS WITH RIGHT-OF-WAY OR UTILITIES SHALL BE FIELD ADJUSTED AS NEEDED TO MISS THE CONFLICT.

- LEGEND:
- LT1 LIGHTING CONDUCTORS, F&I, INSULATED, NO. 6
 - LT2 CONDUIT, FURNISH & INSTALL, OPEN TRENCH

REVISIONS	BY	DATE	CHECKED	JRK	2/17/20

**WEST COURT STREET
BANANA ST. TO ALT. US 19**

CITY OF TARPON SPRINGS

LIGHTING PLAN (1)

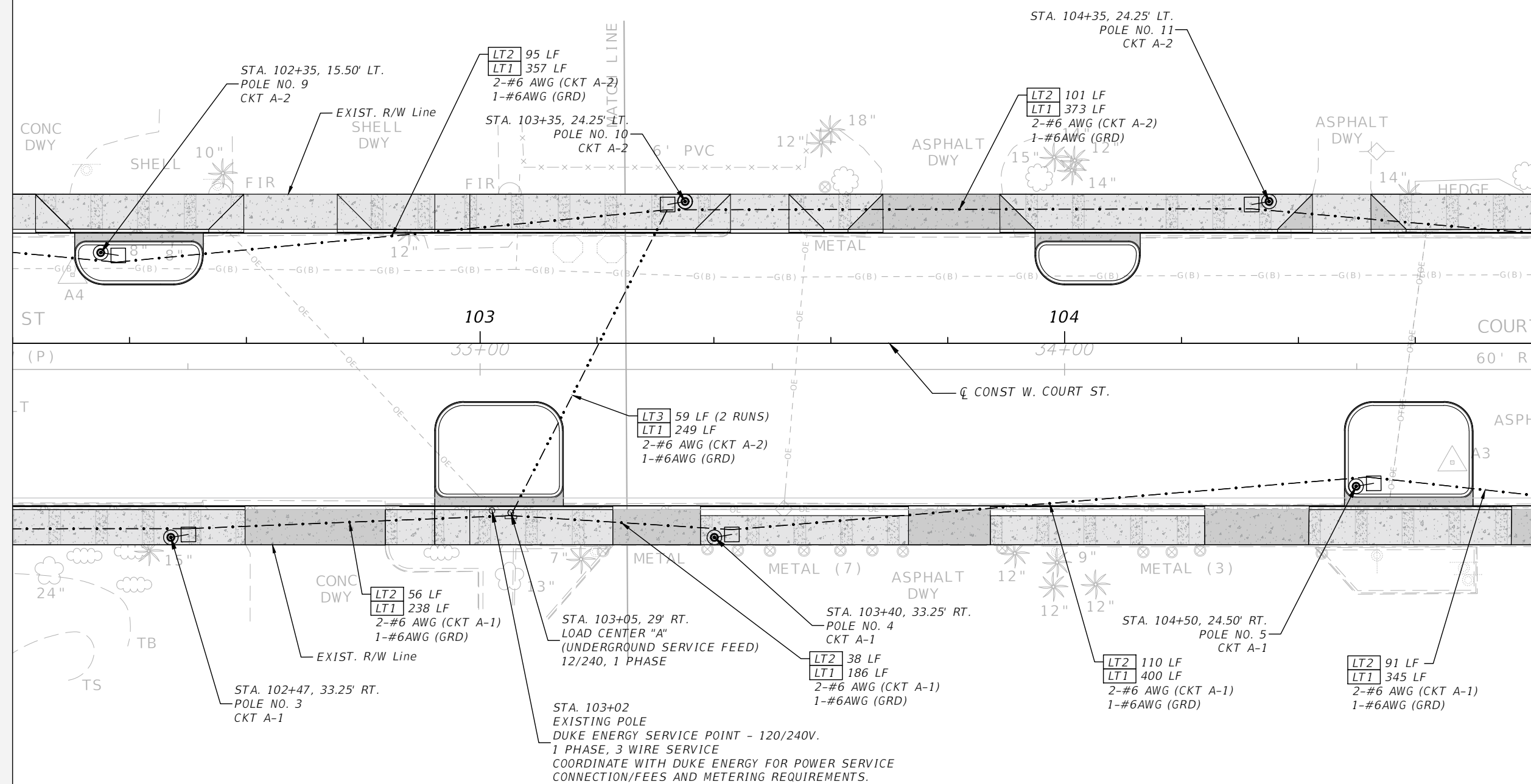
American
Consulting Engineers of Florida, LLC

2818 Cypress Ridge Blvd, Suite 200
Westley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
MOHAN GOPALAKRISHNA, P.E., PTOE No. 60720

DATE: 6/1/20

SCALE: 1" = 20'

SHEET: 23 of 30



NOTES:

1. CONDUIT, PULL BOXES, LOAD CENTERS AND POLE FOUNDATIONS SHALL BE PLACED INSIDE OF RIGHT-OF-WAY.
2. ALL PEDESTRIAN LIGHT POLE FOUNDATIONS SHALL BE PLACED AT THE BACK THE CONCRETE SIDEWALK. FOUNDATIONS WHICH RESULT IN CONFLICTS WITH RIGHT-OF-WAY OR UTILITIES SHALL BE FIELD ADJUSTED AS NEEDED TO MISS THE CONFLICT.

BURRUSS SUBDIVISION
PB 107 PG 29

LEGEND:

- LT1 - LIGHTING CONDUCTORS, F&I, INSULATED, NO. 6
- LT2 - 2" SCHEDULE 40 PVC CONDUIT, FURNISH & INSTALL, OPEN TRENCH
- LT3 - 2" HDPE CONDUIT WITH ONE SPARE, FURNISH & INSTALL, OPEN TRENCH

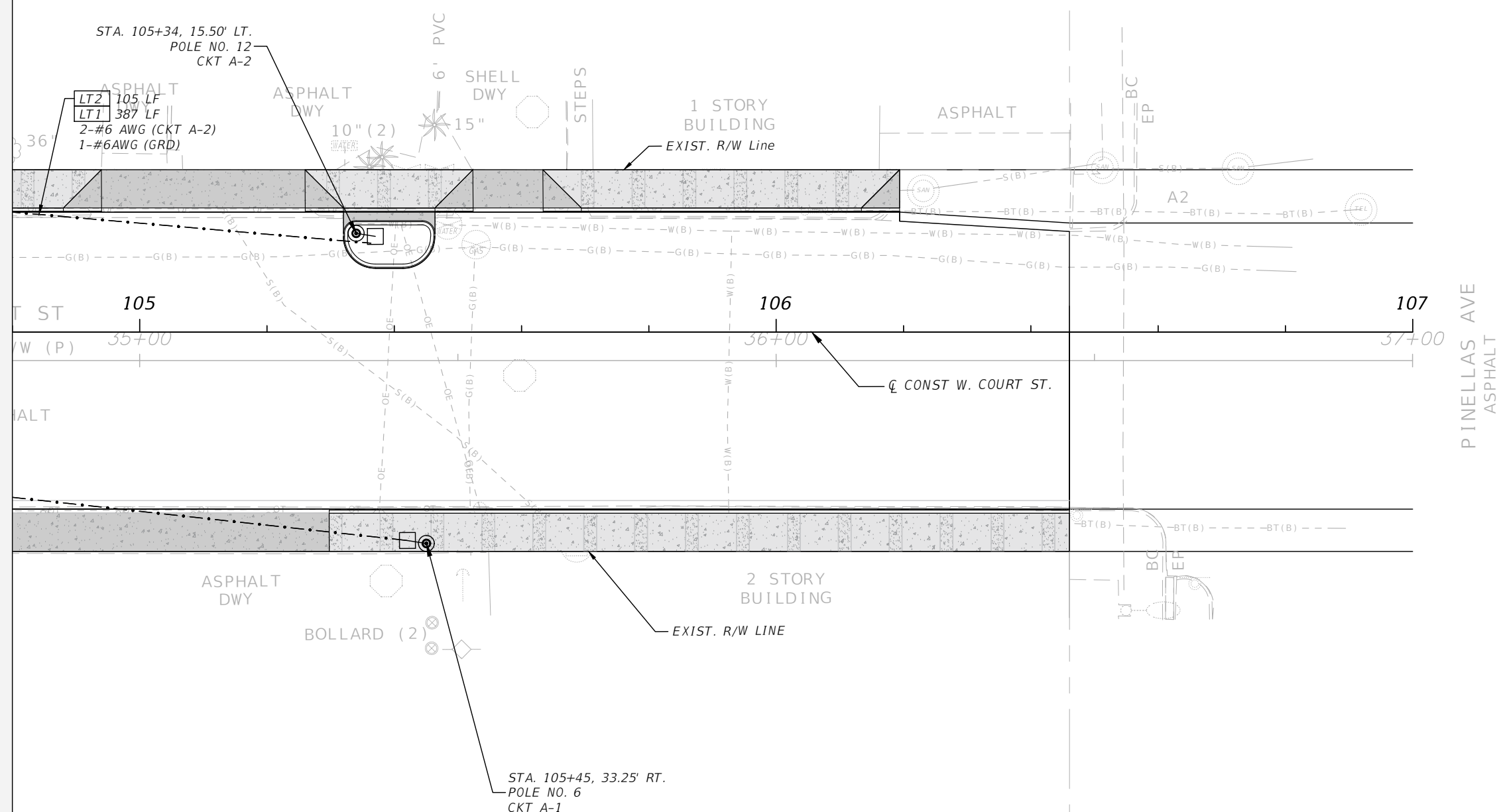
REVISIONS	BY	DATE	CHECKED	JRK	2/17/20

**WEST COURT STREET
BANANA ST. TO ALT. US 19**
CITY OF TARPON SPRINGS

LIGHTING PLAN (2)

American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
MOHAN GOPALAKRISHNA, P.E., P.T.O.E. No. 60720

DATE: 6/1/20
SCALE: 1" = 20'
SHEET: 24 of 30



- NOTES:
1. CONDUIT, PULL BOXES, LOAD CENTERS AND POLE FOUNDATIONS SHALL BE PLACED INSIDE OF RIGHT-OF-WAY.
 2. ALL PEDESTRIAN LIGHT POLE FOUNDATIONS SHALL BE PLACED AT THE BACK THE CONCRETE SIDEWALK. FOUNDATIONS WHICH RESULT IN CONFLICTS WITH RIGHT-OF-WAY OR UTILITIES SHALL BE FIELD ADJUSTED AS NEEDED TO MISS THE CONFLICT.

- LEGEND:
- LT1 LIGHTING CONDUCTORS, F&I, INSULATED, NO. 6
 - LT2 CONDUIT, FURNISH & INSTALL, OPEN TRENCH

REVISIONS	BY	DATE	CHECKED	JRK	2/17/20

WEST COURT STREET
BANANA ST. TO ALT. US 19
CITY OF TARPON SPRINGS

LIGHTING PLAN (3)

American
 Consulting Engineers of Florida, LLC
 2818 Cypress Ridge Blvd, Suite 200
 Wesley Chapel, Florida 33544
 Phone: (813) 435-2600 Fax: (813) 435-2601
 Certificate of Authorization No. 9302
 MOHAN GOPALAKRISHNA, P.E., P.T.O.E No. 60720

DATE: 6/1/20
 SCALE: 1" = 20'
 SHEET: 25 of 30

GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF TARPON SPRINGS PUBLIC WORKS DEPT. TWO (2) FULL BUSINESS DAYS IN ADVANCE OF ANY WORK TO BE CARRIED OUT AT ANY LIGHTING FACILITY. (727) 942-5610
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MOST RECENT VERSION OF FDOT STANDARD PLANS UNLESS OTHERWISE SPECIFIED IN THE CITY APPROVED DESIGN OR THESE GENERAL NOTES. .
3. CONDUCTOR AND/OR CABLE SHALL BE HOUSED IN 2" SCHEDULE 40 CONDUIT AS SHOWN ON APPROVED PLAN SHEETS. PROVIDE ONE SPARE CONDUIT FOR ROADWAY CROSSINGS. EACH SPARE CONDUIT SHALL BE SUPPLIED WITH PULL STRING. .
4. CONTRACTOR SHALL STAKE ALL POLE LOCATIONS AND REQUEST UTILITY COMPANIES TO LOCATE AND MARK UNDERGROUND FACILITIES PRIOR TO EXCAVATION.
5. POLES, LUMINAIRES AND BASES SHALL BE FABRICATED IN ACCORDANCE WITH AASHTO'S "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AND SHALL HAVE BEEN TESTED BY FHWA APPROVED METHODS. CERTIFICATION FOR TESTS SHALL BE SUBMITTED WITH THE SHOP DRAWINGS.
6. PULLING INSTRUCTIONS: CONNECT PULLING DEVICES TO COPPER WIRE AND NOT TO JACKET AND MEET THE MANUFACTURER'S REQUIREMENTS. USE PULLING COMPOUND PER MANUFACTURER'S REQUIREMENTS. ALL BENDS SHALL NOT BE LESS THAN THE MANUFACTURER'S REQUIREMENTS.
7. ALL ELECTRICAL WORK SHALL MEET THE REQUIREMENTS OF THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL SAFETY CODE AND ROAD AND BRIDGE CONSTRUCTION. ALL COMPONENTS SHALL BE PROPERLY GROUNDED AND BONDED PER N.E.C. REQUIREMENTS.
8. IN LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO LIGHTING POLES OR CONDUIT RUNS, AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL HAND DIG THE FIRST 4' OF THE POLE FOUNDATION AND CONDUIT RUN. ANY LIGHT POLE ADJUSTMENTS SHALL BE COORDINATED WITH EOR FOR APPROVAL.
9. HAND HOLE COVERS FOR POLES AND TRANSFORMER BASES SHALL BE LOCATED OPPOSITE APPROACHING TRAFFIC.
10. THE WIRES AT THE POLE HAND HOLES AND PULL BOXES SHALL BE LOOPED IN THE POLE AND PULL BOXES WITH SUFFICIENT LENGTH TO COMPLETELY REMOVE CONNECTORS AND SPLICES ONE (1.00) FOOT OUTSIDE THE HAND HOLE AND PULL BOXES TO MAKE CONNECTIONS AND SPLICES ACCESSIBLE FOR CHANGING FUSES AND TROUBLESHOOTING THE SYSTEM.
11. ALL CONDUCTOR AND/OR WIRE CONNECTIONS SHALL BE BUTT SPLICED AND WATERPROOF. WIRE NUTS WILL NOT BE ACCEPTED.
12. EACH POLE SHALL BE EQUIPPED WITH AN ACCESSIBLE FUSE AND FUSE HOLDER WITH PROTECTIVE BOOTS.
13. EACH POLE SHALL BE EQUIPPED WITH A LIGHTNING ARRESTOR THAT IS PROPERLY GROUNDED.
14. A PULL BOX SHALL BE INSTALLED AT EACH POLE LOCATION. PULL BOX SHOULD BE LOCATED 2' MAX FROM POLE UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. EACH PULL BOX SHALL BE SUPPLIED WITH A GROUNDING ROD AND EACH POLE SHALL BE PROPERLY GROUNDED.
15. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND ALL EXISTING UTILITIES, INCLUDING OVERHEAD POWER LINES.
16. LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATION.
17. CONTACT SUNSHINE ONE CALL OF FLORIDA AT 811 OR SUNSHINE811.COM AT LEAST TWO (2) FULL BUSINESS DAYS BEFORE DIGGING.
18. THE LIGHTING SYSTEM WILL BE MAINTAINED BY THE CITY ONLY AFTER FINAL ACCEPTANCE.
19. ALL LIGHTING PLANS, SUBMITTAL DATA AND LIGHTING SHOP DRAWINGS SHALL BE APPROVED BY CITY OF TARPON SPRINGS PUBLIC WORKS PRIOR TO THEIR USE. NO CHANGES TO THE APPROVED LIGHTING PLAN, EQUIPMENT SPECIFICATIONS OR INSTALLATION DETAILS SHALL BE MADE WITHOUT PRIOR APPROVAL BY CITY OF TARPON SPRINGS PUBLIC WORKS.

PAY ITEM FOOTNOTES

1. ROADSIDE PULL BOX SHALL BE QUAZITE WITH COVER MARKED "STREET LIGHTING", PLACED FLUSH TO GRADE.
2. INCLUDES THE DECORATIVE POLE, MOUNTING YOKE, DECORATIVE LUMINAIRE WITH LAMP, ANCHOR BOLTS WITH LOCK NUTS AND WASHERS, FOUNDATIONS, SURGE PROTECTORS, AND FUSE HOLDERS WITH FUSES. INCLUDES ID PLATES PLACED IN ON THE INSIDE OF THE HAND HOLE COVER WITH RIVETS SHOWING THE CITY OF TARPON SPRINGS LOAD CENTER AND CIRCUIT NUMBER AS CALLED OUT IN THE PLANS. SPARES SHALL BE DELIVERED TO THE CITY BY THE CONTRACTOR. INCLUDES SPARE LIGHTING HARDWARE AS CALLED OUT ON TABULATION OF QUANTITIES SHEET TO BE DELIVERED TO 1165 324 EAST PINE ST. CONTACT BOB ROBERTSON AT 727-942-5638 OF THE ENGINEERING DEPARTMENT FOR DELIVERY COORDINATION.
3. TO INCLUDE ANY ADDITIONAL DECORATIVE LIGHT POLES AND LED LUMINAIRES TO BE STOCKED IN MAINTAINING AGENCY WAREHOUSE. QUANTITY TO BE DETERMINED.

**** LIGHTING DESIGN CRITERIA**

ROADWAY LIGHTING (COURT ST.)

AVERAGE INITIAL ILLUMINANCE	1.0 FOOT CANDLES
UNIFORMITY RATIO AVG./MIN.	4:1 OR LESS
MAX/MIN:	10:1 OR LESS
WIND SPEED	140 MPH

** LIGHTING DESIGN CRITERIA BASED ON FDOT CRITERIA.

			BY	DATE	WEST COURT STREET BANANA ST. TO ALT. US 19 CITY OF TARPON SPRINGS
		DESIGNED	MG	2/17/20	
		DRAWN	EKN	2/17/20	
REVISIONS	BY	DATE	CHECKED	JRK	2/17/20

LIGHTING NOTES



2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
MOHAN GOPALAKRISHNA, P.E., PTOE No. 60720

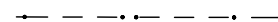
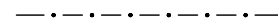
DATE: 6/1/20
SCALE: 1" = 20'
SHEET: 26 of 30

POLE DATA							
POLE NO.	CIRCUIT	C/L CONST.	STATION	DIST. OF ARM	LUMINAIRE WATTAGE	MOUNTING HEIGHT	POLE SETBACK
1	A-1	W. COURT ST.	100+45	POLE TOP	77	10' - 0"	24.70' RT.
2	A-1	W. COURT ST.	101+45	POLE TOP	77	10' - 0"	33.25' RT.
3	A-1	W. COURT ST.	102+47	POLE TOP	77	10' - 0"	33.25' RT.
4	A-1	W. COURT ST.	103+40	POLE TOP	77	10' - 0"	33.25' RT.
5	A-1	W. COURT ST.	104+50	POLE TOP	77	10' - 0"	24.50' RT.
6	A-1	W. COURT ST.	105+45	POLE TOP	77	10' - 0"	33.25' RT.
7	A-2	W. COURT ST.	100+51	POLE TOP	77	10' - 0"	24.25' RT.
8	A-2	W. COURT ST.	101+40	POLE TOP	77	10' - 0"	24.25' RT.
9	A-2	W. COURT ST.	102+35	POLE TOP	77	10' - 0"	15.50' LT.
10	A-2	W. COURT ST.	103+35	POLE TOP	77	10' - 0"	24.25' RT.
11	A-2	W. COURT ST.	104+35	POLE TOP	77	10' - 0"	24.25' RT.
12	A-2	W. COURT ST.	105+34	POLE TOP	77	10' - 0"	15.50' LT.

LOAD CENTER SCHEDULE						
LOAD CENTER	CIRCUIT	CONDUCTORS	NUMBER OF ROADWAY FIXTURES	BREAKER SIZE	LOAD CENTER RATING	MAINTAINING AGENCY
"A" 103+05, 29' RT.	A-1	#6 AWG	6	40 AMP, 2P	100 AMP	CITY OF TARPON SPRINGS (727) 942-5630
	A-2	#6 AWG	6	40 AMP, 2P		

LEGEND

SYMBOLS



DESCRIPTION

PEDESTRIAN DECORATIVE LIGHT POLE, BASE, FOUNDATION AND LED LUMINAIRE DESIGNED FOR TYPE III, MEDIUM DISTRIBUTION BALLAST WIRED FOR 240 VOLT OPERATION. LED LUMINAIRE 77 WATTS (7,446 LUMENS). MANUFACTURER NILAND COMPANY, EL PASO, TEXAS VICTORIAN-100 SERIES (VP-100-RS-GLASS-GFI-2-BAN-12) THE SPECIAL DECORATIVE LIGHT POLE SHALL USE A FOUNDATION AS SHOWN ON SHEET 4 OF 8 IN THE STANDARD ALUMINUM LIGHTING INDEX NO. 715-002 DRAWING. THE 6' FOUNDATION DEPTH AND DIAMETER OF 2'-6" PER THE "FOUNDATION TABLE" ON SHEET 4 OF 8 IN THE STANDARD ALUMINUM LIGHTING INDEX NO. 715-002 DRAWING USING A WIND SPEED OF 140 MPH. MODIFY BOLT CIRCLE FOR VICTORIAN-100 SERIES BASE.

SIZE 2" SCHEDULE 40 P.V.C. CONDUIT WITH CONDUCTORS INSIDE CONDUIT. SIZE AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.

SIZE 2" HDPE CONDUIT WITH ONE SPARE, OPEN TRENCH AT ROADWAY CROSSINGS WITH CONDUCTORS INSIDE CONDUIT. SIZE AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.

PULL BOX (QUAZITE TYPE).

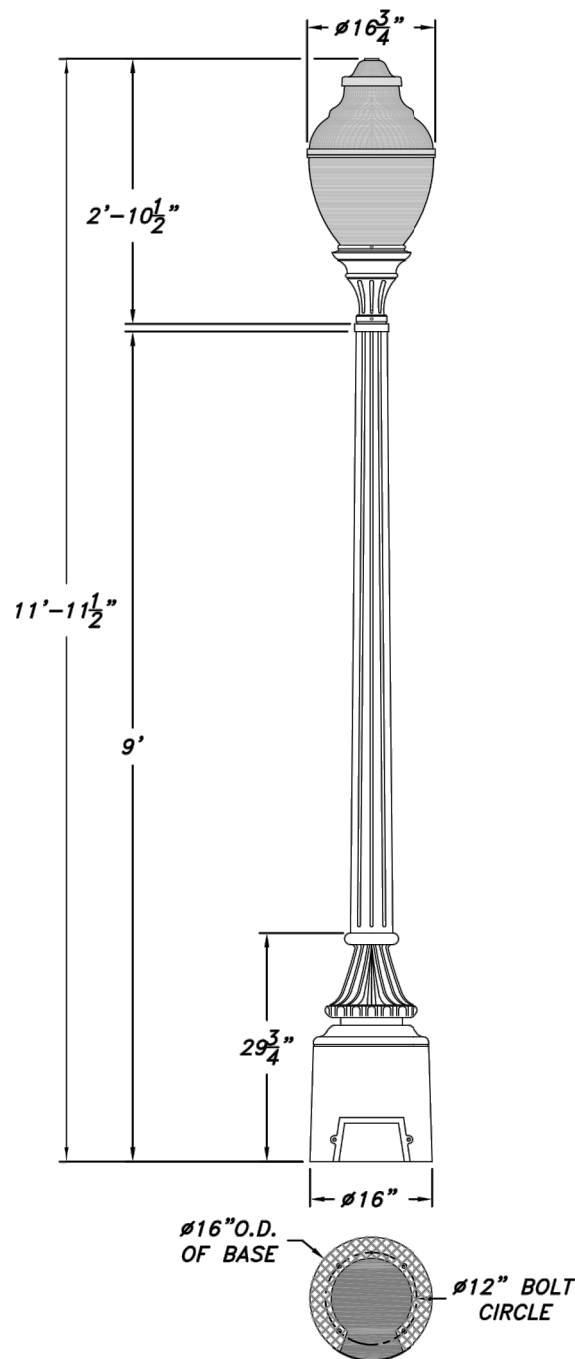
PROPOSED LOAD CENTER (POLE MOUNTED). RATED FOR 120/240 V, 1 PHASE.

NOTES:

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		BY	DATE	WEST COURT STREET BANANA ST. TO ALT. US 19 CITY OF TARPON SPRINGS	POLE DATA SHEET	 2818 Cypress Ridge Blvd, Suite 200 Wesley Chapel, Florida 33544 Phone: (813) 435-2600 Fax: (813) 435-2601 Certificate of Authorization No. 9302 MOHAN GOPALAKRISHNA, P.E., PTOE No. 60720	DATE: 6/1/20
		DESIGNED	MG 2/17/20				SCALE: N/A
		DRAWN	EKN 2/17/20				SHEET: 27 of 30
REVISIONS	BY	DATE	CHECKED	JRK 2/17/20			

VICTORIAN-100 SERIES



SCALE: 1/2"=1'-0"

Catalog Name: **VP-100-RS-GLASS**

Revision #: 0 Date: 02.20.20 Page: 1 of 3
Revision History: N/A

Niland Approval: Odra Rodriguez Customer Approval: _____

CSI POLE SPECIFICATION

I. BASE & POLE

Base and pole shall be one piece cast aluminum. Aluminum shall be certified as pure 356 copper free of any porosity, foreign materials or cosmetic fillers. Base casting shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .250". Cast aluminum access cover shall be secured with two to four stainless steel screws. Shaft shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .250". The anchor bolt locations in the base shall be cast in place as part of the base casting, for maximum strength.

II. ANCHORAGE DETAIL

Standards 12 feet high or less shall use 1/2" x 18" L-type anchor bolts. Standards higher than 12 feet shall use 3/4" x 24" L-type bolts.

III. HOUSING

The post top shall be core cast aluminum. Aluminum shall be certified as pure #356 alloy, free of any porosity, foreign materials or cosmetic fillers. Castings shall be uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be 3/16". Electrical components are mounted in the ballast canister. The ballast canister shall be mounted in the post top with three stainless steel screws. The optional refractor shall be molded an upgraded globe with a glass external refractor designed for either a type III or type V light distribution patter.

IV. ELECTRICAL

All electrical components and materials shall be UL-recognized and wired by a certified UL technician. All Niland ballasts are high power factor rated for -30°C/-20°F starting. Medium and Mogul base sockets are 4 KV rated. The electrical assembly is prewired with quick disconnects for servicing. Fixture shall be UL certified for wet locations. Optional induction ballasts/lamps or LED unit.

FINISHES

Five Year Powder Coating Warranty

Niland Company factory-applied powder coatings are warranted against peeling, excessive fading and cracking under normal climatic exposure for a period of five years from date of shipment. Damage to finish coating caused by abuse or mishandling during installation is not covered by warranty. This warranty is limited to the repair or replacement of the material involved and does not include reimbursement of consequential expenses such as installation or removal of equipment or transportation costs.

I. STANDARD FINISH

Satin iron achieved by rotary sanding, blasting and phosphate conversion coating.

II. THERMOSET POWDER PAINT FINISH

Pretreatment shall consist of degreasing phosphate acid-etching with 140° and de-ionizing water, rinsed and oven dried.

FINISH COAT

Thermoset TGIC super polyester powder coat finish electrostatically applied, oven cured and bonded at approximately 420° F to a minimum dry film thickness of 1.6 mils. All Niland powders must pass a minimum 3000-hour salt-spray test for corrosion resistance. The National Association of Architectural Metal Manufacturers, Metal Finishes Manual rates the outdoor life of these powders at 15-plus years.

III. LIQUID FINISH

Optional liquid finish is first prime coated then finished with a two part liquid epoxy coat.

WARRANTY

Niland Company warrants to repair or replace, at our option, any equipment that fails due to defects in material or workmanship within one year from date of shipment. This warranty does not include failures as a result of improper installation, mishandling or misapplication. This guarantee is limited to repair or replacement only and does not include reimbursement for expense of installation, removal of equipment, transportation or any other expenses that may be incurred. Authorization must be obtained from Niland Company in El Paso, Texas before any material is returned.

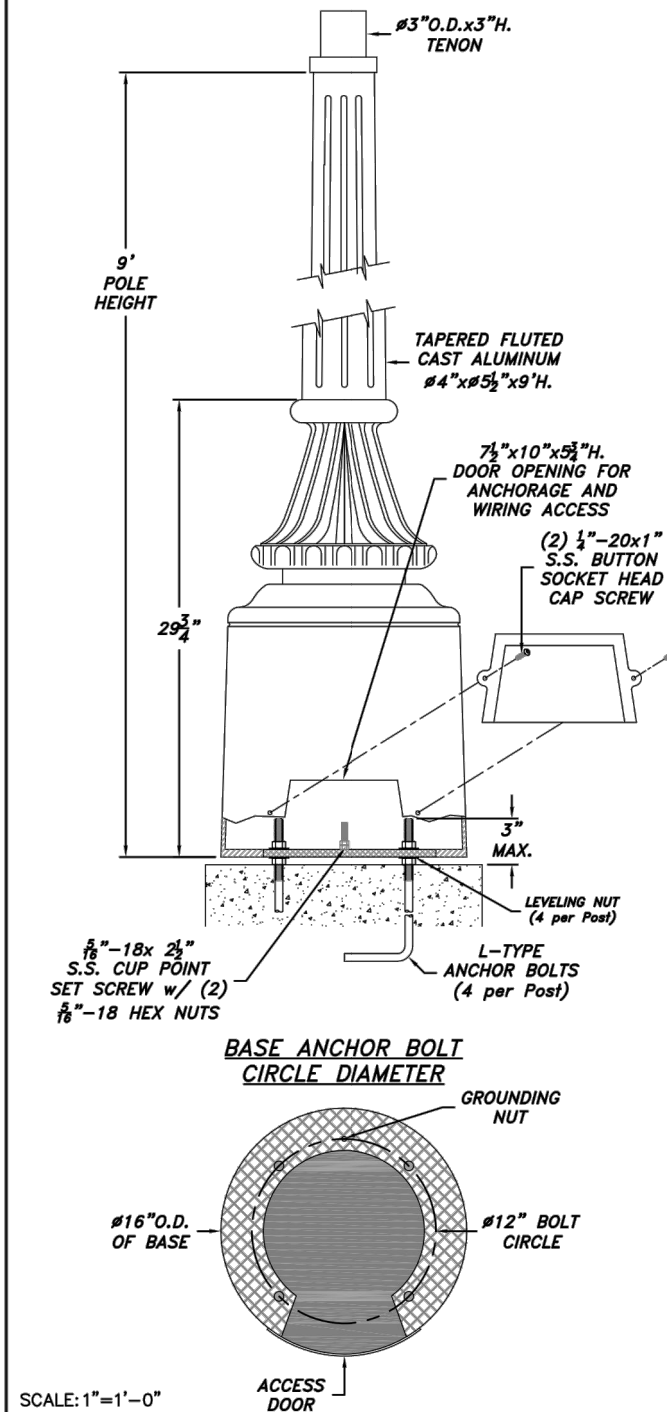


Niland Company

320 N. Clark El Paso, TX 79905 • PH: 800-648-9013 • FAX: 888-779-3065 • WEB PAGE: HTTP://www.nilandco.com

VICTORIAN-100 SERIES

CAST POLE & BASE



VICTORIAN SERIES--16" BASE--CAST ALUMINUM TAPERED FLUTED--9' POLE

Catalog Name: VP-100-RS-GLASS Date: 02.20.20
Revision History: N/A Revision #: 0

Niland Approval: Odra Rodriguez Customer Approval: _____ Page: 2 of 3

ORDERING GUIDE

Catalog Code Description: VP-100-CATF-ht-top-globe

Name of Base (Victorian); Diameter of Base (16")
Type of Pole (Tapered Fluted); Height of Pole (None)
Top Style (None); Color (None); Optional Equip. (None)

Post Selection: Specify pole height from bottom of base.

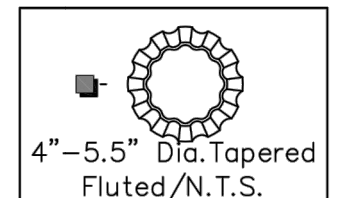
Catalog Code	Shaft Type	Height
VP-100-CATF-__	4"-5.5" tapered-fluted	10'-14'

Check Appropriate Boxes for Material

Cast Aluminum

Shaft Options

1/8" Extrusion



Optional Equipment

- Receptacles (See Accessories Section)
- Banner Arms (See Accessories Section)
- Flag Pole Holders (See Accessories Section)
- Signage (See Accessories Section)

Check Appropriate Boxes for Finish

- | | |
|--|--|
| <input checked="" type="checkbox"/> Textured Black | <input type="checkbox"/> Gloss Black |
| <input type="checkbox"/> Textured Forest Green | <input type="checkbox"/> Gloss Green |
| <input type="checkbox"/> Textured Bronze | <input type="checkbox"/> Gloss Black Green |
| <input type="checkbox"/> Hand Brushed Green | <input type="checkbox"/> Gloss Bronze |
| <input type="checkbox"/> Hand Brushed Gray | <input type="checkbox"/> Custom _____ |

Ordering Instructions

To order, simply follow the format for the Catalog Code. The code description is: Base-Diameter-Pole-Height-Top-Globe. Once the base has been selected, use the base initials to begin your catalog code. The next entry on the code is the diameter of the base. Next, you will choose the type of pole that the product will have whether it is smooth, fluted, tapered fluted etc. The height of the pole is next and it is measured from the bottom of the base. The post top style is next and followed by the globe type. Codes can be found under each item.



Niland Company

320 N. Clark El Paso, TX 79905 • PH: 800-648-9013 • FAX: 888-779-3065 • WEB PAGE: HTTP://www.nilandco.com

REVISIONS	BY	DATE	CHECKED	JRK	2/17/20

WEST COURT STREET
BANANA ST. TO ALT. US 19
CITY OF TARPON SPRINGS

LUMINAIRE & POLE
DETAILS (1)

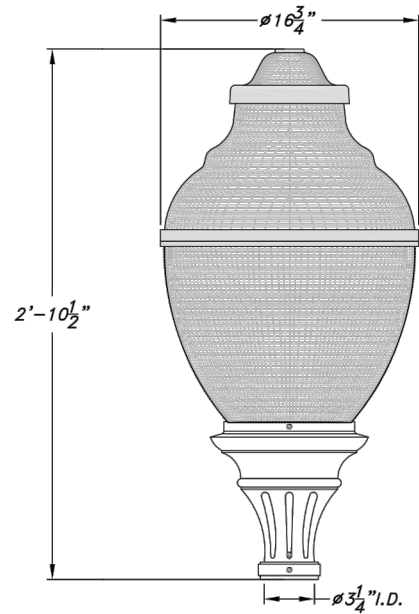
American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
MOHAN GOPALAKRISHNA, P.E., P.T.O.E. No. 60720

DATE: 6/1/20
SCALE: N/A
SHEET: 28 of 30

RESIDENCY LED SERIES

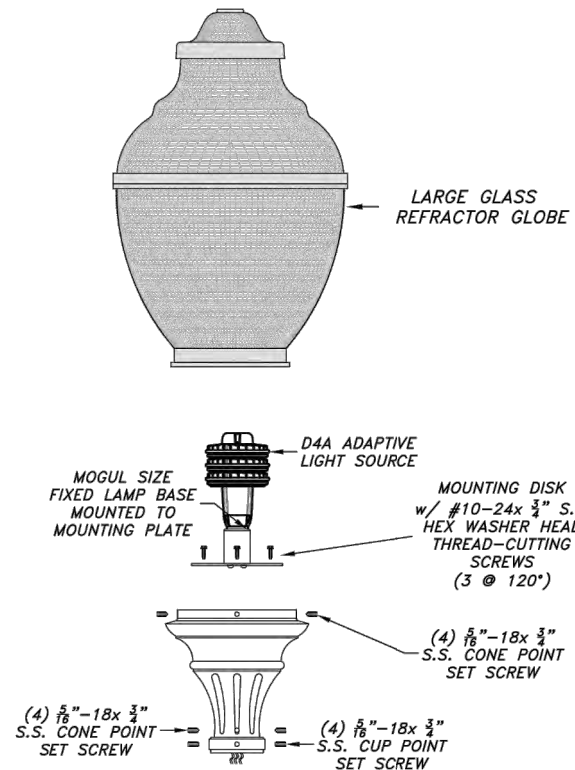
RS-LG-GLASS-LED-D4A

IP66 RATED
COMPONENTS



E.P.A.=2.70
SQ.FT.

SCALE: 1"=1'-0"



EXAMPLE RS-LG-GLASS-LED-3000-50-120/277v-III-BLK
RS-LG-GLASS-LED-5000-60-120/277-III-BLK Series Globe Kelvin Wattage Voltage Distribution Color

GLOBE	KELVIN	WATTAGE = LUMENS				VOLTAGE RANGE-AC	LIGHT DISTRIBUTION	COLOR OF POWDER COAT FINISH			
		30W	40W	50W	60W			(BLK) BLACK	(HG) HAND BRUSHED GREEN	(BRZ) BRONZE	(HR) HAND BRUSHED GRAY
<input type="checkbox"/> FROSTED (CLEAR)	<input type="checkbox"/> 2200	<input type="checkbox"/> 3401Lmns	<input type="checkbox"/> 4454Lmns	<input type="checkbox"/> 5349Lmns	<input type="checkbox"/> 6269Lmns	120/277v	<input type="checkbox"/> TYPE III <input type="checkbox"/> TYPE V	<input type="checkbox"/> (BLK) BLACK	<input type="checkbox"/> (HG) HAND BRUSHED GREEN	<input type="checkbox"/> (BRZ) BRONZE	<input type="checkbox"/> (HR) HAND BRUSHED GRAY
<input type="checkbox"/> WHITE (MILKY)	<input type="checkbox"/> 3000	<input type="checkbox"/> 4857Lmns	<input type="checkbox"/> 6353Lmns	<input type="checkbox"/> 7796Lmns	<input type="checkbox"/> 9170Lmns			<input type="checkbox"/> (GRN) GREEN	<input type="checkbox"/> CUSTOM		
	<input type="checkbox"/> 4000	<input type="checkbox"/> 5119Lmns	<input type="checkbox"/> 6696Lmns	<input type="checkbox"/> 8217Lmns	<input type="checkbox"/> 9665Lmns						
	<input type="checkbox"/> 5000	<input type="checkbox"/> 5119Lmns	<input type="checkbox"/> 6696Lmns	<input type="checkbox"/> 8217Lmns	<input type="checkbox"/> 9665Lmns						

LUMINAIRE SPECIFICATION

HOUSING
The post top shall be core cast aluminum. Aluminum shall be certified as pure #356 alloy, free of any porosity, foreign materials or cosmetic fillers. Castings shall be uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be 3/16". LED assembly unit shall be mounted in the post top with four stainless steel screws and a quick disconnect for easy removal. Heat vents at base of finial at top of globe increases thermal management and LED longevity. LED unit designed for either a type III or V light distribution pattern.

LED POWER SUPPLY
All electrical components and materials shall be UL-recognized and wired by a certified UL technician. The electrical assembly is prewired with quick disconnects for servicing. Electrical components rated for 1 amp but only draws 300 milliamps which adds to the units longevity. Input voltage 120-277v with 36kV surge suppression. All components are IP66 rated with a 1.0 PF rating. Service life up to 100,000 hours life at -40°C to +40°C Ambient, Operating Temperature. <20% Total Harmonic Distortion

LED CIRCUIT BOARD
LED's are available in 2200, 3000, 4000 & 5000 Kelvin with a Type III or Type V light distribution. Instant On/Off soft start. PF rating of 92% Solid State panel.

MOUNTING
Fixture shall be mounted to #3"O.D.x3"H. tenon with stainless steel allen head set screws (8 @ 90°)

Catalog Name: RS-LG-GLASS-LED-D4A Date: 02.18.20
Revision History: N/A Revision #: 0

Niland Approval: Odra Rodriguez Customer Approval: _____ Page: 3 of 3

CERTIFICATION
LED unit is DLC Listed with IP66 Components. The D4 Retrofit Kit designed to UL 1598 and UL 1449 3rd Edition. UL driver installed.

FINISH-AAMA-2604-5
Fixture finish shall consist of degreasing, phosphate acid etching with 140+ deionized water, rinsed, oven dry off and top coated with a thermoset TGIC super polyester powder coat finish designed not to chalk or fade for many years. All Niland Company powders must pass a minimum 3000-hour salt spray test for corrosion resistance.

WARRANTY
Quick 60+ month warranty on LED module and electronic driver. Please contact manufacturer for more details.

PHOTOMETRICS
Complete photometric data for all fixtures is available in IES-formatted. A certified independent laboratory performs all testing. Call the Niland Company directly for more information.



NILAND COMPANY • PH: (915) 779-1405 • FAX: (915) 779-3618 • E-MAIL: INFO@NILANDCO.COM
320 N. Clark El Paso, Tx 79905 • PH: 800-648-9013 • FAX: 888-779-3065 • WEB PAGE: HTTP://www.nilandco.com

REVISIONS	BY	DATE	CHECKED	JRK	2/17/20

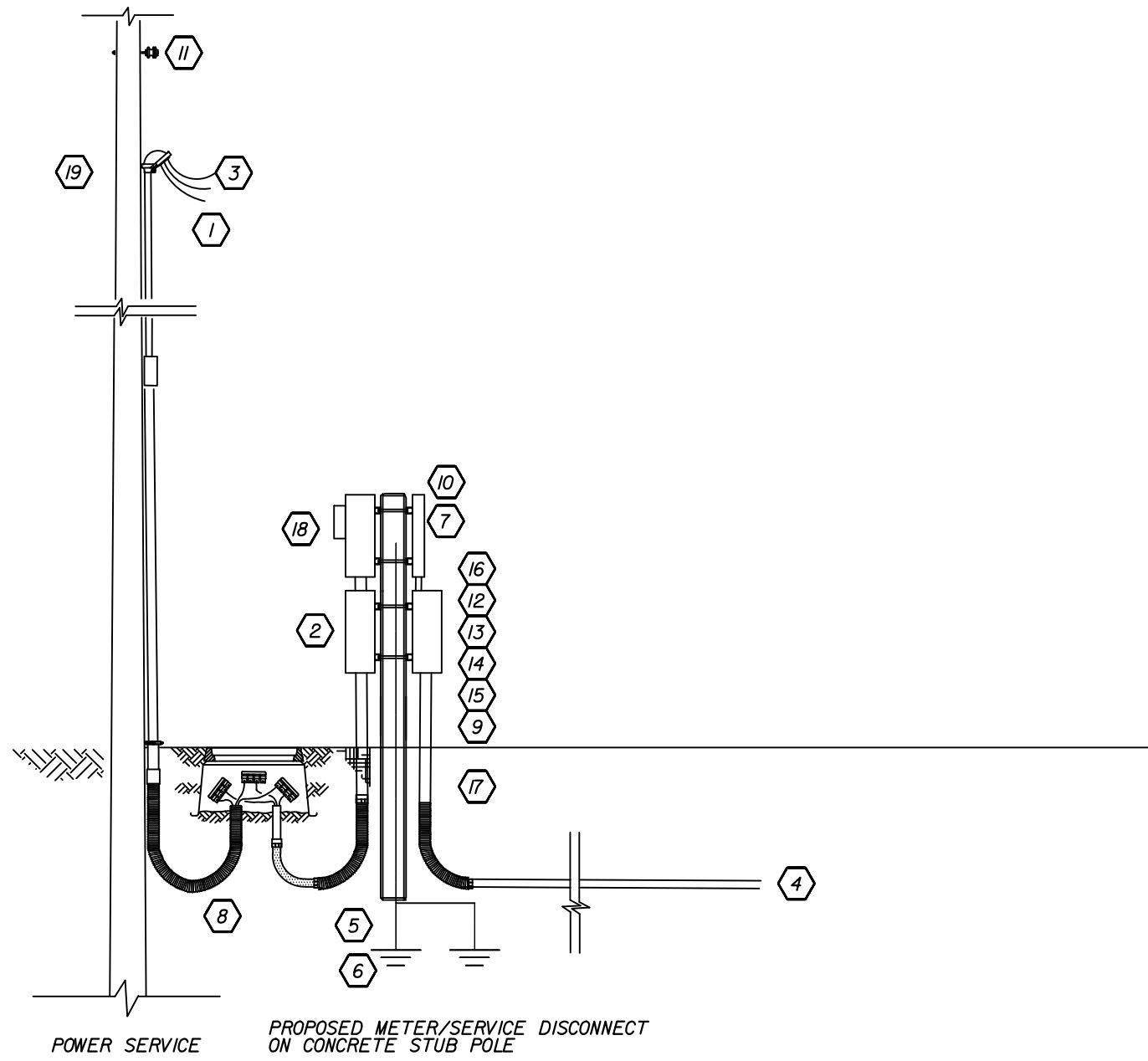
BY DATE
DESIGNED MG 2/17/20
DRAWN EKN 2/17/20
CHECKED JRK 2/17/20

WEST COURT STREET
BANANA ST. TO ALT. US 19
CITY OF TARPON SPRINGS

LUMINAIRE & POLE
DETAILS (2)

American
Consulting Engineers of Florida, LLC
2818 Cypress Ridge Blvd, Suite 200
Wesley Chapel, Florida 33544
Phone: (813) 435-2600 Fax: (813) 435-2601
Certificate of Authorization No. 9302
MOHAN GOPALAKRISHNA, P.E., P.T.O.E No. 60720

DATE: 6/1/20
SCALE: N/A
SHEET: 29 of 30



TYPICAL DETAIL "C"
N.T.S.

KEYED NOTES

- ① 120/240V SINGLE PHASE 3-WIRE DUKE ENERGY ELECTRIC UNDERGROUND SERVICE.
- ② 200A, 120-240V, 2 POLE, NEMA 3R NON-FUSED DISCONNECT AS REQUIRED BY DUKE ENERGY .
- ③ 3 #4 AWG FEEDER CONDUCTORS IN 2" RIGID GALVANIZED STEEL CONDUIT.
- ④ LED LIGHT POLES CONNECTED TO CIRCUITS AS CALLED FOR IN PLANS.
- ⑤ #4 INSULATED COPPER GROUND WIRE IN 2" PVC CONDUIT.
- ⑥ COPPER CLAD GROUND RODS 5/8" DIA. 20' LONG SEPARATED BY 6' MINIMUM.
- ⑦ 200A, 120-240V, 2-POLE BREAKER IN NEMA 3R.
- ⑧ 2" PVC CONDUIT (CONDUCTOR SIZE #4 AWG).
- ⑨ PANEL BOARD, 200A, 120-240V, SINGLE PHASE, 3-WIRE WITH CIRCUIT BREAKERS AS INDICATED ON SHEET 24.
- ⑩ SERVICE ENTRANCE SURGE ARRESTOR INTERMATIC AC6503
- ⑪ DUKE ENERGY TRANSFORMER SINGLE PHASE, 120-240V.
- ⑫ LIGHTNING ARRESTER MOUNTED ON OUTSIDE OF ENCLOSURE.
- ⑬ MAIN CIRCUIT BREAKER AS CALLED FOR ON SHEET 24, 2-POLE 120-240V
- ⑭ 2-POLE, ELECTRICALLY HELD CONTACTOR
- ⑮ CONCRETE PEDESTAL MOUNT NEMA 12 STAINLESS STEEL ENCLOSURE WITH LOCKING TONGUE AND HASP EBOX CATALOG NO. S24368N4XS
- ⑯ PHOTOELECTRIC CONTROL INTERMATIC K4135 OR EQUIVALENTS
- ⑰ CONCRETE SERVICE POLE TYPE P-II, 12' LONG
- ⑱ METER SOCKET BY CONTRACTOR TO MEET DUKE ENERGY REQUIREMENTS.
- ⑲ DUKE ENERGY SERVICE POLE.

			BY	DATE
		DESIGNED	MG	2/17/20
		DRAWN	EKN	2/17/20
REVISIONS	BY	DATE	CHECKED	JRK
				2/17/20

WEST COURT STREET
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SERVICE POINT
DETAILS

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SHEET:	30 of 30