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Tucker & Carlton Tucker & Sholtz

Tucker & Martin

Tucker & Hardee

CONSTRUCTION PLANS CARLTON STREET SIDEWALK AND UTILITY IMPROVEMENTS

FOR

COLLIER COUNTY UTILITIES

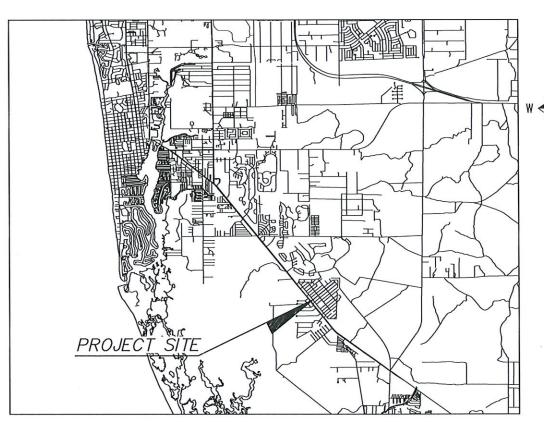
LOCATED IN

SECTION 50; TOWNSHIP 29 SOUTH; RANGE 26 EAST

COLLIER COUNTY, FLORIDA

APRIL 26, 2024

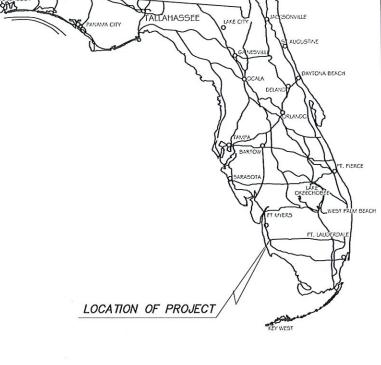
COLLIER COUNTY PROJECT NO. 70275.1, 60250.2.1 & 60228.2



LOCATION MAP

For Information Regarding
Water Mains, Contact:
MICHAEL SCOTT DICKEY, PE
For Information Regarding
Drainage & Sidewalk, Contact:
JOSHUA J. HILDEBRAND, PE

HAEL SCOTT DICKEY, PE JOSHUA J. HILDEBRAND, PE L License No. 60057 FL License No. 73952



Date: 2024.06.

This fam has been dightly signed as select by Michael Scott Distay, P.E. or edited by Michael Scott Distay, P.E. or he date adjusted to the seel.

No 6037

Printed copies of this document are in considered signed and sealed and the system of the seed of the

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DESIGN CONSULTANT

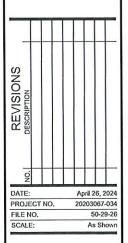


350 STANFORD COURT PLES, FLORIDA 34112 IONE (239) 434-0333 E.B.#642 & L.B. #642





Carlton Street Sidewalk and Utility Improvements Collier County, Florida



Construction Plans Cover

SHEET NUMBER

01

١	ABBREVIATIONS				
	AC	ACRE			
	ALT APPROX. ASB BM	ALTERNATE APPROXIMATE ASBESTOS BENCH MARK			
	BLDG BOT CB	BUILDING BOTTOM			
	CF CFM CI	CATCH BASIN CUBIC FEET CUBIC FEET PER MINUTE CAST IRON			
	COD	CAST IRON CAST IRON PIPE CONSTRUCTION JOINT CORRIGATION METAL PIPE			
	25 25 25 25 25 25 25 25 25 25 25 25 25 2	CONSTRUCTION JOINT CORRUGATED METAL PIPE CLEANOUT CHECK VALVE			
	CF CY E	CUBIC YARD			
	E CLKG CLF COL	CAULKING CHAIN LINK FENCE COLUMN, COLOR CONCRETE CONSTRUCTION			
	CONC				
	CONTR CTRS CU CU. IN.	CONTRACTOR CENTERS COPPER			
	CU. IN. DIA, # DIAG DIM	CUBIC INCH DIANETER DIAGONAL DIVENSION			
	DIST.	DIMENSION DISTANCE DUCTILE IRON PIPE			
	DE DWG E	DISTANCE DUCTILE IRON PIPE DRAINAGE EASEMENT DRAWNG EAST			
	EL/ELEV EQUIP ERCP	ELEVATION EQUIPMENT ELUPTICAL PENEORCED CONCRETE			
	ESMT EX FF	FXISTING			
	FFE FM FDC	FINISHED FLOOR FINISHED FLOOR ELEVATION FORCE MAIN FIRE DEPARTMENT CONNECTION			
	FDN FIN FRP	FOUNDATION FINISH FIBERGLASS REINFORCED PLASTIC			
	FT G	CCCT			
	GC GI GPM	MATURAL GAS GENERAL CONTRACTOR GALVANIZED IRON GALLONS PER MINUTE GATE VALVE			
	GV GA GAL	GATE VALVE GAUGE GALLON GALVANIZED			
	GALV GR HDPE	GRADE			
	HOR HYD ID	HIGH DENSITY POLYETHYLENE HORIZONTAL HYDRANT INSIDE DIAMETER INVERT IRRIGATION			
	INV IRR LAE	INVERT IRRIGATION LAKE ACCESS EASEMENT			
	LF UVE UVT	IRRIGATION LAKE ACCESS EASEMENT LINEAL FEET LAKE MANTENANCE EASEMENT LAKE MANTENANCE TRACT MILLION GALLONS PER DAY			
	MA MH	MILLION GALLONS PER DAY MANHOLE MECHANICAL JOINT MAXMUM			
	MAX MECH MES	MAXIMUM MECHANICAL MITERED END SECTION MANUFACTURER MINIMUM			
	MFR MIN MISC	MANUFACTURER MININUM MISCELLANEOUS			
	N NE NW	MISCELLANEOUS NORTH NORTHEAST NORTHWEST NON POTABLE WATER NOT TO SCALE NUMBER			
Ε	NPW NTS NUM/# NOM	NON POTABLE WATER NOT TO SCALE NUMBER			
11:25am	NOM NG OC	NOT 10 SCALE NUMBER NOMINAL NATURAL GAS ON CENTERS ON CENTER EACH WAY OUTSIDE DIAMETER POUNDS PER CUBIC FOOT POUNDS PER CUBIC FOOT POUNDS PER CUBIC FOOT POUNDS PER SOURCE INCL.			
1	00	ON CENTER EACH WAY OUTSIDE DIAMETER POUNDS PER CUBIC FOOT			
2024	PSF	POUNDS PER SQUARE FOOT PLUG VALVE POUNDS PER SQUARE INCH			
av 31.	PSI PVC POLY, PE. PAVT PC	POUNDS PER SQUARE INCH POLYMMYL CHLORIDE POLYETHYLENE PAYEMENT POINT OF CURVATURE BROUDEST CRAFF LINE			
IN	PC PGL	POINT OF CURVATURE PROPOSED GRADE LINE PROPERTY LINE			
(spu	PLBG PLWO PW	PLUMBING			
Lege	PT PUE PM	POTABLE WATER POINT OF TANGENCY PUBLIC UTILITY EASEMENT POINT OF YERTICAL INTERSECTION QUANTITY			
tos &	QUAN R RD	QUANTITY RADIUS ROAD			
7-034\1HillHos\Prowings\202030505-034 Cover dwg (Notes & Legends) MNT Mov	RCP REQ'D ROW	REINFORCED CONCRETE PIPE REQUIRED RIGHT OF WAY REUSE LINE			
yer dy	RU R/W				
34 C	S SE SW	RIGHT OF WAY SOUTH SOUTHEAST SOUTHWEST SANITARY SEWER SANITARY SCHEDULE			
0-790	SS SAN SCH	SANITARY SEWER SANITARY SCHEDULE			
20203	SECT SEW SH	SEWER SHEET			
/apuin	SPEC SQ ST	SPECIFICATION SQUARE STREET			
\ Draw	STA STL STD	STATION STEEL STANDARD			
+11+10	SUR SYM TOE TOB	SURFACE SYMMETRICAL TOE OF SLOPE TOP OF BANK			
1/470	TOB THK TEL	THICK			
-790F	TEMP TRANS TYP	TEMPERATURE TRANSFORMER TYPICAL UTILITY EASEMENT			
-79070000	UE VERT W	UTILITY EASEMENT VERTICAL WATER WATER MAIN			
10000	W/ W/ W/	WATER MAIN WITH WITHOUT			
/epuim	W WW W/O WO WT WV WH	WOOD WEIGHT WATER VALVE			
1000	S WH	WALL HYDRANT			

UTILITY LINETYPES

	OTILITE LINETTIES		
	EXISTING	PROPOSED	
WATER MAIN		—— wм ———	
water wa'n with size	XFW	PR. 8" WM	
WATER SERVICE			
FORCE NAIN			
FORCE MAIN WITH SIZE		PR. 8" FM	
IRRIGATION NAIN		IRR —	
IRRIGATION WAN WITH SIZE		PR. 8" IRR	
REUSE NAIN		RU	
REUSE MAN WITH SIZE		PR. 8° RU	
IQ NAIN		io	
IQ MAIN WITH SIZE		PR, 8" IQ	
RAW WATER MAIN			
RAW WATER MAIN WITH SIZE		PR. 8" RW	
SANITARY SEWER		ss	
SANITARY SEWER WITH SIZE		PR, 8" SS	
CABLE TELEMSON			
CLOSED CIRCUIT TELEVISION			
MISC. COMMUNICATION			
ELECTRIC			

SYMBOLS

GAS MAIN -

Ы REDUCER -XBLOW OFF

FIRE HYDRAN

GATE VALVE

FIRE HYDRANT ASSEMBLY W/ GATE VALVE

MITERED END SECTION

M PLUG VALVE (A) AIR RELEASE VALVE SAMPLE POINT

(SP) 11.25" BENG 22.5" BEND

4 45° BEND 4 90" BEND VERTICAL DEFLECTION

 $\perp \Delta$ WYE D WATER METER (DOUBLE)

S WATER WETER (SINGLE) WATER METER
EX. SERVICE NOT LOCATED CONTRACT
TO FIND PRIOR TO CONSTRUCTION D S

SEWER SERVICE (SINGLE) SERVICE FOUND IN FIELD SEWER SERVICE (SINGLE) NOT FOUND IN FIELD, CONTRACTOR TO FIND AND ADJUST AS NEEDED

(SEE PLAN FOR TYPES) IN-LINE DRAIN

MAIL BOX

PRINTING AND PLOTTING NOTE:

PRINTING FULL SIZE OR 22"X34" PLANS

- KIN TING FULL SIZE OR 22 X34 PLANS: 22'X34' PLANS ARE MEANT TO BE PLOTTED AT 20 SCALE. (SEE INDVIDUAL SCALE BARS ON EACH SHEET FOR DEVIATIONS) WHEN PRINTING FULL SIZE PLANS (22'X34') MAKE SURE THE PROPER SIZE PAPER IS
- USED, FAILURE TO DO SO WILL RESULT IN PLANS THAT ARE NOT TO SCALE. WHEN PRINTING 22"X34" PDF'S FROM ADOBE SELECT "ACTUAL SIZE" & "CHOOSE PAPER

Know what's **bel**OV

Call before you dig.

NOTICE TO ALL CONTRACTORS

IT'S THE LAW IN FLORIDA

2 BUSINESS DAYS BEFORE YOU DIG

CALL SUNSHINE 1-800-432-4770

STATE, COUNTIES & CITIES ARE "NOT"

PART OF THE ONE CALL SYSTEM. THEY MUST BE CALLED INDIVIDUALLY.

STATE OF FLORIDA DOT ALL INTERSTATE RIGHT-OF-WAY

HIGHMAST LIGHTING

7-DAY NOTICE REQUIRED

239-656-7742 FAX

- PRINTING 1/2 SIZE OR 11"X17" PLANS:

 11"X17" PLANS ARE MEANT TO BE PLOTTED AT 40 SCALE.
 (SEE INDIVIDUAL SCALE BARS ON EACH SHEET FOR DEVIATIONS)
- WHEN PRINTING 1/2 SIZE PLANS (11"X17") MAKE SURE THE PROPER SIZE PAPER IS USED, FAILURE TO DO SO WILL RESULT IN PLANS THAT ARE NOT TO SCALE.
- WHEN PRINTING 11'X17" PDF'S FROM ADOBE SELECT "ACTUAL SIZE" & "CHOOSE PAPER SOURCE BY PDF PAGE SIZE*

ENERAL NOTES

- 1. ALL ELEVATIONS REFER TO NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FROM NAVD88 TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) IS AS FOLLOWS: NAVD88 + 1.29 = NGVD29.
- 2. THE CONTRACTOR SHALL POTHOLE TO LOCATE (HORIZONTALLY AND VERTICALLY) ALL EXISTING UTILITIES PRIOR TO EGINNING CONSTRUCTION AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE COUNTY, EXTREME CAUTION TO BE ISED WHEN EXCAVATING, AS NUMBER AND LOCATION OF EXISTING UTILITIES ARE BASED ON RECORD INFORMATION THAT HAS NOT BEEN FIELD VERIFIED.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY DURING CONSTRUCTION TO PROTECT ANY EXISTING UTILITIES, DAMAGE TO EXISTING UTILITIES AND PROPERTY DURING CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL
- 4. THE CONTRACTOR IS REQUIRED TO CONTACT ALL UTILITY OWNERS PRIOR TO THE BEGINNING OF CONSTRUCTION AND COORDINATE WITH ALL UTILITY OWNERS IN THE AREA PRIOR TO AND DURING CONSTRUCTION. THE UTILITY OWNERS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

SERVICE PROVIDER	UTILITY COMPANY	TELEPHONE / EMAIL
ELECTRIC	FLORIDA POWER & LIGHT	(239) 353-6047
	(24 HOUR EMERGENCY)	
TELEPHONE	CENTURY LINK/LUMEN	(239) 336-2030 RELOCATIONS@CENTURYLINK.COM
CABLE T.V.	COMCAST	(239) 318-1524
UNDERGROUND FACILITY	SUNSHINE ONE CALL	811 OR 1-800-432-4770
LOCATION SERVICE		
WASTEWATER	COLLIER COUNTY	(239) 252-6866
WATER	COLLIER COUNTY	(239) 252-6245
GAS	TECO ENERGY	(239) 313-8554
COMMUNICATIONS	CROWN CASTLE FIBER	(239) 410-4220
STORMWATER	SUMMIT BROADBAND	(239) 252-8924

- 5. EXISTING FACILITIES INCLUDING DRIVEWAYS, SIDEWALKS, UTILITIES AND OTHER EXISTING FACILITIES SHALL BE RESTORED TO A CONDITION EQUAL OR BETTER THAN WHAT EXISTED PRIOR TO COMMENCING CONSTRUCTION, AT NO ADDITIONAL
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE/REPAIR ANY EXISTING LANDSCAPING/PRIVATE IMPROVEMENTS WITHIN THE R/W, E.G. SOD, BUSHES, AND TREES, SPRINKLER PIPING, SPRINKLER HEADS, IRRIGATION SYSTEMS, AND FENCING THAT MAY HAVE BEEN DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COSTS TO THE OWNER. CONTRACTOR TO REPLACE OR REPAIR DAMAGED PROPERTY OR IMPROVEMENTS TO A CONDITION EQUAL TO OR BETTER AN EXISTED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL TEMPORARILY CONNECT IRRIGATION COMPONENTS ING CONSTRUCTION TO ENSURE IRRIGATION SYSTEMS CONTINUED USE DURING CONSTRUCTION
- ANY SURVEY MONUMENTS INCLUDING PROPERTY CORNERS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF A MONUMENT IS IN DANGER OF BEING DISTURBED, THE CONTRACTOR SHALL PROPERLY REFERENCE ITS LOCATION AND RESET THE MONUMENT AS REQUIRED BY THE CONTRACTOR'S FLORIDA LICENSED SURVEYOR, AT NO DITIONAL COST TO THE OWNER
- THE CONTRACTOR IS REQUIRED TO ADJUST ALL VALVE BOXES, MANHOLE RIMS, GRATES, ETC. AS NECESSARY TO MATCH PROPOSED GRADES. PAVEMENT AROUND VALVES, MANHOLES, AND METER BOXES SHALL BE FLUSH WITH ACCESS TO ALL UTILITIES MAINTAINED AT ALL TIMES. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK AS THE COST IS INCIDENTAL TO THE COST OF CONSTRUCTION
- 9. CONTRACTOR SHALL RELOCATE OR ADJUST MAILBOXES, MANHOLES, VALVES, GRATES, SIGNS, ETC, IN CONFLICT WITH THE PROPOSED CONSTRUCTION AND SHALL REPAIR, ADJUST, AND/OR REPLACE ITEM AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER. MAILBOXES REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE AT A MINIMUM TEMPORARILY REINSTALLED AND/OR REPLACED PER FDOT STANDARD INDEX NO. 532 OR TO MATCH THE PRECONSTRUCTION CONDITION AS APPROVED BY THE OWNER. TEMPORARILY REPLACED AND/OR REINSTALLED MAILBOX SHALL BE INSTALLED PER USPS GUIDELINES (41-45" ABOVE GRADE TO BOTTOM OF MAILBOX WITH THE FRONT OF THE MAILBOX 6-8" FROM THE EDGE OF
- 10. THE CONTRACTOR SHALL NOTIFY THE COUNTY PROJECT MANAGER OF ANY ENCROACHMENT ONTO PRIVATE PROPERTY A MINIMUM OF 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- 11. THE CONTRACTOR SHALL NOTIFY COLLIER COUNTY UTILITIES DEPARTMENT AT LEAST 10 CALENDAR DAYS IN ADVANCE OF ALL PLANNED SERVICE INTERRUPTIONS & REQUESTS FOR VALVE OPERATION AND RECEIVE COUNTY PROJECT MANAGER'S APPROVAL BEFORE PROCEEDING WITH PLANNED INTERRUPTIONS, ONLY COUNTY EMPLOYEES ARE PERMITTED TO
- 12. THE CONTRACTOR SHALL PROVIDE A 10 DAY WRITTEN NOTICE TO THE ENGINEER OF RECORD, OWNER'S CEI REPRESENTATIVE, AND COLLIER COUNTY PROJECT MANAGER PRIOR TO THE FOLLOWING ACTIVITIES:
- a. COMMENCEMENT OF CONSTRUCTION
- CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, AND RESIDENT SUPERINTENDENT
- WATER SYSTEM
- HOT TAPS PRESSURE TESTS
- CHLORINATION OF WATER MAINS
- FLUSHING BACTERIOLOGICAL SAMPLING
- FINAL CONNECTION OF NEW MAINS BEGINNING AC PIPE REMOVAL
- FINAL ABANDONMENT OF EXISTING MAINS
- WATER SERVICE AND WATER METER SWITCH OVER
- BACKFLOW DEVICE INSTALLATION d. WASTEWATER SYSTEM
- TESTING OF BYPASS PLIMP STATION
- INFILTRATION/EXFILTRATION TESTS
 LAMPING OF SEWER LINE
 TELEVISION VIDEO TAPING OF SEWER LINES
- 13. CONTRACTOR TO PROVIDE SILT FENCE, STACKED SYNTHETIC BALES AND OTHER APPROPRIATE MEASURES TO AFFECT THE FILTRATION OF SURFACE WATER FLOWS AND TO PROVIDE EROSION PROTECTION DURING CONSTRUCTION ACTIVITIES PROTECTION IS TO BE MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL DISTURBED SOILS HAVE BEEN STABILIZED
- 14. EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
- 15. SHOP DRAWINGS FOR ANY EQUIPMENT AND MATERIAL MUST BE APPROVED BY EOR AND COLLIER COUNTY PRIOR TO
- 16. CONTRACTOR SHALL RETAIN, ON THE WORK SITE, COPIES OF ALL PERMITS NECESSARY FOR CONSTRUCTION.
- 17, CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER OF RECORD AND COUNTY PROJECT MANAGER WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS, ALL PROPOSED AND APPROVED DEVIATIONS
- 18. CONTRACTOR SHALL REPORT ALL FIELD CHANGES TO THE ENGINEER OF RECORD, CEI REPRESENTATIVE, AND COUNTY

- 19. CLEARING AND GRUBBING SHALL BE LIMITED TO THE RIGHT-OF-WAY ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL AREAS DISTURBED BY THEIR WORK, ALL DISTURBED AREAS SHALL BE SODDED TO MATCH EXISTING CONDITIONS WITH S WILL FIRST BE EVALUATED BY CONTRACTOR, PROJECT CEI INSPECTOR, AND COLLIER COUNTY REPRESENTATIVE TO DETERMINE THE PERCENTAGE OF COVERAGE AND SPECIES OF SOD INSTALLED IN THE SUBJECT LAWN. (SEE DETERMINE THE PERCENTAGE OF COVERAGE AND SPECIES OF SOU INSTALLED IN THE SUBJECT OWN, (SEE PRECONSTRUCTION ASSESSMENT FORM), IF THE EXISTING LAWN HAS 50', OR GREATER MAJORITY OF ONE SPECIFIC SOD SPECIES, THEN THAT SPECIES WILL BE REINSTALLED IN DISTURBED AREAS. IF THERE IS ANY QUESTION CONCERNING SOD TYPE TO BE USED, THE CONTRACTOR SHALL COORDINATE WITH COUNTY AND/OR PROPERTY OWNER, NEWLY INSTALLED SOD SHALL BE WATERED UNTIL ESTABLISHED/ROOTED, IF SOD IS REQUIRED TO BE REINSTALLED DURING THE COURSE OF CONSTRUCTION FOR WHATEVER REASON, CONTRACTOR SHALL BE REQUIRED TO WATER REINSTALLED SECTIONS UNTIL
- 20. AFTER SUBSTANTIAL COMPLETION AND PRIOR TO FINAL COMPLETION, THE CONTRACTOR SHALL ACCURATELY RECORD AND PLOT THE LOCATIONS AND DEPTHS OF ALL IMPROVEMENTS INSTALLED ON A FINAL SET OF RECORD DRAWINGS WHICH SHALL BE DELIVERED TO THE ENGINEER OF RECORD, CEI REPRESENTATIVE, AND COLLIER COUNTY
- 21. SURVEY LAYOUT AND RECORD DRAWINGS ARE TO BE PERFORMED BY A FLORIDA LICENSED LAND SURVEYOR PROVIDED BY THE CONTRACTOR AND SHALL INCLUDE PROPERTY CORNERS AND RIGHT-OF-WAY LINES. ALL ELEVATIONS MUST REFER TO N.G.V.D.-29, AS-BUILTS/RECORD DRAWINGS SHALL INCLUDE VALVE & HYDRANT MANUFACTURER, SIZE, & MODEL NUMBER. IN ADDITION TO THE SURVEYED RECORD DRAWINGS, THE CONTRACTOR SHALL PROVIDE THE ENGINEER A COMPLETE SET OF REDLINES DEPICTING ALL CHANGES MADE TO THE CONTRACT DRAWINGS.
- 22, CONTRACTOR SHALL STAKE THE LOCATION OF EACH PROPERTY CORNER AT THE RIGHT-OF-WAY LINE ALONG THE ENTIRE PROJECT WITHIN 10 DAYS OF NTP AND MAINTAIN THE STAKES THROUGHOUT THE DURATION OF THE PROJECT.
- 23. CONTRACTORS WILL BE RESPONSIBLE FOR STORING ALL MATERIALS FOR THE PROJECT, INCLUDING ALL MATERIALS PURCHASED BY COLLIER COUNTY IN A SECURED, FENCED IN STORAGE AREA. CONTRACTOR IS TO PROVIDE LEASE
 AGREEMENT WITH PROPERTY OWNER, RIGHT -OF-WAY PERMITS, AND TEMPORARY USE PERMITS TO THE ENGINEER AND
 COUNTY WITHIN TEN (10) DAYS OF THE ISSUED NOTICE TO PROCEED. NO MATERIAL MAY BE STORED WITHIN THE RIGHT-OF-WAY, ALL MATERIAL STORED SHALL BE COVERED, PER THE MANUFACTURER'S RECOMMENDATIONS AND COUNTY
- 24, ALL STORAGE LOTS USED FOR THE PROJECT MUST BE MAINTAINED DAILY INCLUDING. BUT NOT LIMITED TO: MOWING AND WEEDING, LITTER REMOVAL, FENCE AND SCREEN REPAIR AS NEEDED, DAILY SWEEPING AND DUST CONTROL, AND PERMIT RENEWAL AS REQUIRED.
- 25. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING UTILITY SERVICE AT ALL TIMES DURING CONSTRUCTION WITHIN THE PROJECT LIMITS, THIS INCLUDES HAVING A SUPPLY OF REPAIR MATERIALS ONSITE THAT MATCHES EXISTING IN THE EVENT
- 26, CONTRACTOR MUST PROVIDE A TWO (2) WEEK LOOK AHEAD FOR ALL CONSTRUCTION ACTIVITIES EVERY TWO (2) WEEKS AND ATTEND ALL MEETINGS AT THE COUNTY'S DISCRETION. ADDITIONALLY, THE CONTRACTOR SHALL PROVIDE AN UPDATED, COMPLETE PROJECT GANTT SCHEDULE WITH EVERY MONTHLY PAY APPLICATION.
- 27. CONTRACTOR SHALL NOT LEAVE TRENCHES OR HOLES OPEN OVER NIGHT OR OVER WEEKENDS/HOLIDAYS.
- 28, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A THIRD-PARTY INDEPENDENT CONSULTANT (WITH 5 YEARS MINIMUM EXPERIENCE IN VIBRATION MONITORING) TO PERFORM VIBRATION MONITORING ADJACENT TO EXISTING HOMES AND EXPERIENCE IN VIDEALISH MONITORING TO PERFORM VIDEALISM MONITORING EQUIPMENT SHALL BE LOCATED WITHIN THE EQUIPMENT MANUFACTURER'S ALLOWABLE TOLERANCE DISTANCE FROM CONSTRUCTION ACTIVITIES AT ALL TIMES, ALL MONITORING SHALL BE DONE AT THE LIMITS OF THE RIGHT-OF-WAY, REPORTS SHALL INCLUDE LOCATION OF THE EQUIPMENT, TIME, AND MAXIMUM PPV, EITHER ONCE PER DAY, IF THE VIBRATION MONITOR IS NOT RELOCATED. OR UPON EACH RELOCATION OF THE VIBRATION MONITORING DEVICE. UPON EITHER DETECTING VIBRATION LEVELS REACHING 0.5 INCHES PER SECOND OR DAMAGE TO THE STRUCTURE, IMMEDIATELY STOP THE SOURCE OF VIBRATIONS, BACKFILL ANY OPEN EXCAVATIONS, NOTIFY THE ENGINEER AND PROVIDE A CORRECTIVE ACTION PLAN FOR ACCEPTANCE BY THE ENGINEER. VIBRATION MONITORING AND REPORTING SHALL FOLLOW THE U.S. BUREAU OF MINES STANDARDS AND REPORTS SHALL BE SIGNED AND SEALED BY A STATE OF FLORIDA PROFESSIONAL ENGINEER AND DELIVERED WEEKLY TO THE COUNTY, FOR, AND CEI, THE CONTRACTOR'S THIRD-PARTY INDEPENDENT CONSULTANT SHALL BE THE ONLY PARTY ALLOWED TO DETERMINE THE PROPER LOCATION FOR MONITORING AND SETTING UP THE VIBRATION MONITORING EQUIPMENT, CONTRACTOR'S PAY APPLICATIONS SHALL BE REJECTED IF UP TO DATE SIGNED AND SEALED VIBRATION AND MONITORING REPORTS ARE NOT RECEIVED WEEKLY.
- 29. ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFFSITE IN ACCORDANCE WITH
- 30. WORK AREAS ARE TO BE CLEANED ON A DAILY BASIS INCLUDING BUT NOT LIMITED TO LITTER COLLECTION TO SWEEPING STREETS AND DAILY WATERING, (TO BE COMPLETED THROUGHOUT THE WORKDAY AS NEEDED), INCLUDING LOT STORAGE
- 31. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING RIGHT-OF-WAY, TREE REMOVAL, AND DEWATERING PERMITS.
- 32. ALL CONTRACTORS AND REPRESENTATIVES ON-SITE MUST HAVE COLLIER COUNTY CONTRACTOR IDENTIFICATION BADGES ON THEIR PERSON, CLEARLY DISPLAYED, AT ALL TIMES.
- 33. AT THE CONCLUSION OF EACH WORKDAY, CONTRACTOR TO ENSURE ALL ROADS AND DRIVEWAYS ARE RETURNED TO AN

COLLIER COUNTY PUBLIC UTILITIES STANDARD DETAIL NOTES:

ALL REFERENCES TO COLLIER COUNTY PUBLIC UTILITIES STANDARD DETAILS ARE FROM

THE 2018 COLLIER COUNTY UTILITIES OPERATION AND MAINTENANCE MANUAL, THESE STANDARD DETAILS WERE PREPARED BY OR AT THE DIRECTION OF COLLIER COUNTY

THE DESIGN STANDARDS REFERENCED WITHIN THIS PLAN SET HAVE BEEN INCORPORATED HEREIN VERBATIM AS SET FORTH WITHIN THE ABOVE REFERENCED

ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AWERICA VERTICAL DATUM OF 1988 (NAVD '8 CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD '29) IS + 1.29.

AND WERE FURNISHED TO JOHNSON ENGINEERING, INC.

COLLIER COUNTY OPERATION AND MAINTENANCE MANUAL.

ENGINEERING

JOHNSON ENGINEERING INC 2350 STANFORD COURT NAPLES, FLORIDA 34112 E.B. #642 & L.B. #642



Carlton Street Sidewalk and Utility Improvements Collier County, Florida

REVISI April 26, 202 PROJECT NO. 20203067-03 FILE NO. 50-29-2 SCALE: As Show

> Construction Plans Notes & Legends

> > SHEET NUMBER

02

- 2. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT STANDARD PLANS, INDEX 102-600 SERIES.
- WHERE FLAGGER AND WORKER SIGNS ARE USED, THE SIGNS SHALL BE COVERED OR REMOVED DURING PERIODS WHEN
 CONSTRUCTION OPERATIONS ARE SUSPENDED SUCH AS NIGHTS, WEEKENDS, AND HOLIDAYS,
- PLACEMENT OF ALL CONSTRUCTION SIGNS SHALL BE FIELD LOCATED TO NOT BE IN CONFLICT WITH EXISTING SIGNS.
 EXISTING SIGNS NOT IN USE OR IN CONFLICT WITH LANE OR ROAD CLOSURE SHALL BE COVERED TEMPORARILY.
- 5. LANE CLOSURES SHALL BE SCHEDULED AS FOLLOWS:
 - ONE TRAVEL LANE SHALL BE KEPT OPEN FOR EACH DIRECTION WITHIN THE WORK AREA THROUGHOUT THE DURATION OF CONSTRUCTION, EXCEPT WHEN A ROAD CLOSURE IS PERMITTED BY THE COUNTY.
 - j. THE LOCATION AND DURATION OF EACH LANE CLOSURE INCLUDING TURN LANES, SHALL BE APPROVED BY THE COUNTY NO WORK SHALL BE DONE REQUIRING A LANE CLOSURE BETWEEN THE FOLLOWING HOURS:
- I. FROM 7:00 AM TO 9:00 AM, AND 4:00PM TO 6:00 PM, MONDAY THROUGH FRIDAY, UNLESS APPROVED BY COUNTY.
- ii. WEEKENDS, HOLIDAYS, AND SPECIAL EVENT DAYS, AS PERMITTED BY THE COUNTY.
- II. EMERGENCIES AS DEEMED NECESSARY BY COLLIER COUNTY EMERGENCY MANAGEMENT, LAW ENFORCEMENT AUTHORITIES OR THE COUNTY
- d. IF A ROAD CLOSURE IS AUTHORIZED BY COLLIER COUNTY, NO OTHER LANE BLOCKAGE IS ALLOWED WITHIN THE BLOCK OF THE ROADWAY BEING CLOSED.
- 6. THE MINIMUM WIDTH OF ANY TRAVEL LANE AT ANY TIME SHALL BE 10 FEET.
- 7. LEFT TURN LANES SHALL BE PROVIDED DURING ALL PHASES OF CONSTRUCTION WHERE A LEFT TURN LANE IS EXISTING.
- 8. THE CONTRACTOR SHALL PHASE CONSTRUCTION OPERATIONS IN SUCH A WAY THAT WILL MAINTAIN EXISTING ACCESS TO ALL SIDE STREETS AND DRIVEWAYS AT ALL TIMES. A FLAGGER SHALL BE USED WHEN 2-WAY ACCESS, E.G. LANE CLOSURES TO A SIDE STREET IS NOT PROVIDED TO DIRECT VEHICLES ENTERING OR EXITING THE SIDE STREET. ADDITIONAL FLAGGERS MAY BE NECESSARY WHEN THE WORK ZONE INCLUDES A SIDE STREET.
- 9. UTILITY RELOCATION WORK SHALL BE COORDINATED BY THE CONTRACTOR TO AVOID ANY CONFLICT WITH THE VARIOUS PHASES OF THE TRAFFIC CONTROL PLAN.
- 10. EXISTING ROADWAY PATCHING SHALL BE COMPLETE IN CONJUNCTION WITH WATER, STORMWATER, AND WASTEWATER CONSTRUCTION. FINAL OVERLAY SHALL NOT BE STARTED UNTIL ALL TESTING OF WATER & WASTEWATER SYSTEMS ARE COMPLETED, NEW SERVICES (WATER & WASTEWATER) ARE INSTALLED, & EXISTING WATER, WASTEWATER, & STORMWATER MAINS ARE ABANDONED OR REMOVED. EXISTING PAVEMENT SHALL BE MILLED ADJACENT TO CURB, GUTTERS, & OTHER IDENTIFIED LOCATIONS, SEE STRIPING FOR STRIPING REPIREMENTS. TEMPORARY STRIPING (PAINTED) SHALL BE INSTALLED IMMEDIATELY FOLLOWING OVERLAY, FOLLOWING 30 DAY ASPHALT CURING TIME, THE PERMANENT THERMO-PLASTIC STRIPING SHALL BE INSTALLED. CONTRACTOR SHALL FIELD VERIFY REQUIREMENTS WITH OWNER & COLLIER COUNTY RIGHT-OF-WAY PRIOR TO STRIPING.
- 11. ALL SIGN RELATED WORK TO BE COORDINATED WITH FELIX BURGOS, 239-252-5179, TO MAINTAIN INTEGRITY OF OUR SIGN ASSET DATABASE. CONTRACTOR TO FOLLOW TRAFFIC OPERATIONS SIGNING AND PAVEMENT MARKINGS SPECIAL PROVISION DETAILS WHICH INDICATE USING A 2.5" X 2.5" GALVANIZED METAL SQUARE TUBULAR SIGNPOST.
- 12. THE CONTRACTOR SHALL REPLACE ALL SIGNS WITH NEW SIGNS, POSTS, AND HARDWARE TO MEET CURRENT COLLIER COUNTY AND FOOT SPECIFICATIONS/STANDARDS, ALL REMOVED SIGNS SHALL BE RETURNED TO COLLIER COUNTY TRAFFIC OPERATIONS AT 2885 HORSESHOE DRIVE SOUTH, NAPLES, FL 34104.

DRIVEWAY NOTES:

- 1. CONSTRUCTION JOINTS SHALL BE PROVIDED DIRECTLY OVER CULVERT PIPES IF LESS THAN 9° OF COVER IS PROVIDED
- 2. EXISTING DRIVEWAY APRONS SHALL BE REMOVED & REPLACED AS SHOWN ON PLANS, CONCRETE DRIVE APRONS SHALL BE SAW CUT OR REMOVED TO CONSTRUCTION JOINT AS DIRECTED BY COLLIER COUNTY, CEI, AND/OR ENGINEER OF RECORD.
- 3. EXISTING PAVER BLOCK DRIVES SHALL BE REMOVED & EXISTING PAVER BLOCKS STOCKPILED, SHRINK WRAPPED AND PROTECTED FROM DAMAGE ON SITE, UPON COMPLETION OF UTILITY IMPROVEMENTS AT SPECIFIC LOCATION, THE PAVER BLOCK DRIVE SHALL BE IMMEDIATELY RESTORED IN ACCORDANCE WITH THE REQUIREMENTS & SPECIFICATIONS OF THE COLLIER COUNTY ISSUED RIGHT-OF-WAY PERMIT. ANY DAMAGED PAVER BLOCKS SHALL BE REPLACED TO MATCH EXISTING.
- 4. EXISTING GRAVEL, DIRT, & CONCRETE DRIVEWAYS SHALL BE RESTORED WITH REINFORCED CONCRETE TO THE EDGE OF THE RIGHT-OF-WAY, UNLESS OTHERWISE DIRECTED BY THE COUNTY, ASPHALT DRIVEWAYS SHALL BE REPLACED WITH ASPHALT, ALL WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS & SPECIFICATIONS OF THE COLLIER COUNTY RIGHT-OF-WAY PERMIT, THIS SHALL INCLUDE, BUT NOT BE LIMITED TO: MINIMUM WIDTH AND TAPER CRITERIA AS REQUIRED AND MATERIALS OF CONSTRUCTION. GRADE OF DRIVEWAYS AND ADJACENT SURFACE SHALL BE ADJUSTED FOR DRAINAGE IMPROVEMENTS.
- 5. ALL REMOVED DRIVEWAYS SHALL HAVE LIMEROCK, #57 STONE, OR TEMPORARY ASPHALT PLACED TO PROVIDE A STABILIZED SURFACE DURING CONSTRUCTION ON THE SAME DAY THE DRIVEWAY IS REMOVED. THE CONTRACTOR SHALL MAINTAIN THE TEMPORARY DRIVEWAY SURFACES THROUGHOUT THE DURATION OF CONSTRUCTION UNTIL THE DRIVEWAY SURFACES ARE REPLACED TO MATCH PRECONSTRUCTION CONDITIONS (OR BETTER).
- 6. SOD SHALL BE PLACED SUCH THAT THE FINISHED (CUT) ELEVATION OF THE SOD IS LOWER THAN THE FINISHED ELEVATION
 OF ALL DRIVEWAYS, BOADWAYS, AND SIDEWALKS.

STORMWATER NOTES

- THIS SET OF PLANS HAD BEEN PREPARED IN GENERAL ACCORDANCE WITH THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, LATEST EDITION.
- THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 3. THE OWNER HAS OBTAINED THE S.F.W.M.D. PERMIT AS REQUIRED FOR CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN F.D.E.P. GENERIC STORMWATER NOI PERMIT FOR THE PROJECT & A COLLIER COUNTY RIGHT-OF-WAY PERMIT (COUNTY R.O.W HAS PRE-REVIEWED THE PLANS AND OWNER WILL PROVIDE SIGNED & SEALED COPIES FOR THE R.O.W. PERMIT). COPIES OF ALL PERMITS SHALL BE PROVIDED TO THE OWNER.
- 4. FILL SHALL BE PROVIDED AS NECESSARY TO TRANSITION UP TO DRIVEWAYS, ADJACENT TO EXISTING DRAIMAGE FEATURES (CATCH BASINS, DITCHES) AND TO MATCH EXISTING LAWN GRADES. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK, THE COST IS INCIDENTAL TO THE DRAIMAGE IMPROVEMENT CONSTRUCTION.
- CONTRACTOR SHALL RELOCATE OR ADJUST UTILITY VALVES, ELECTRICAL POLES, AND FENCES IN CONFLICT WITH THE PROPOSED STORMWATER CONSTRUCTION. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK; THE COST IS INCIDENTAL TO DRAIMAGE IMPROVEMENT CONSTRUCTION.
- WHERE NEW DRAINAGE STRUCTURES AND PIPES ARE INSTALLED, EXISTING SWALES SHALL BE REGRADED AS REQUIRED FOR A UNIFORM SLOPE OF NO GREATER THAN 6:1, UNLESS OTHERWISE NOTED.
- DRAINAGE SHALL GENERALLY CONFORM TO EXISTING GRADE AND SHALL NOT CAUSE RESTRICTIONS TO OVERLAND FLOW OF DIRECTED BY THE OWNER.
- ALL EXISTING CULVERT PIPES DESIGNATED TO REMAIN SHALL BE INSPECTED BY THE CONTRACTOR, COUNTY R/W, AND
 OWNER. ALL CULVERT PIPE SHALL BE CLEANED AS NECESSARY AND DIRECTED. CONTRACTOR SHALL BE RESPONSIBLE
 FOR KEEPING EXISTING AND NEW CULVERT PIPE CLEAN OF ALL SILT UNTIL ACCEPTANCE OF THE PROJECT.
- 9. ALL SWALE GRADES ARE FINISHED, SODDED GRADES.
- THE SLOPE OF ALL MITERED END SECTIONS (M.E.S.) ARE TO MATCH THE GRADED SLOPE OF THE ADJACENT DITCH BANK UP TO A MAXIMUM SLOPE OF 2.5 TO 1, HORIZONTAL TO VERTICAL.
- 11. PIPE SOCK SHALL BE DELIVERED AND INSTALLED PER FDOT SPECIFICATION 948-8 FILTER FABRIC SOCK FOR USE WITH UNDERDRAIN. FIELD REPAIRS TO THE SOCK SHALL BE MADE PER MANUFACTURER'S SPECIFICATIONS.
- 12. ALL CATCH BASINS WILL INCLUDE A TWO (2) FOOT DEEP SUMP, UNLESS OTHERWISE DEPICTED.
- 13. ALL CATCH BASIN GRATES WILL BE CAST IRON (UNLESS OTHERWISE SPECIFIED) WITH LOCKING CHAINS, IN ACCORDANCE WITH FOOT INDEX 425.
- 14. EXISTING DRAINAGE STRUCTURES & PIPING WITHIN THE CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THESE PLANS OF AS SPECIFIED BY THE ENCINEER CASE SHALL BE TAKEN IN ALL WORK WAS PRINTING FACILITIES.
- 15. EXISTING DRAINAGE SWALES SHALL BE REGRADED AS INDICATED ON THESE PLANS & AS NECESSARY AS A RESULT OF THE UTILITY PLANS OR AS SPECIFIED BY THE ENGINEER. CARE SHALL BE TAKEN IN ALL WORK NEAR EXISTING FACILITIES.
- 16. LD RIM ELEVATIONS DEPICTED IN THE DRAWINGS ARE APPROXIMATE, THE EXACT RIM ELEVATIONS SHALL BE FIELD DETERMINED PER THE MAXIMUM SLOPES AS DEFINED IN THE CONTRACT DOCUMENTS.

WATER and WASTEWATER NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, ROADWAY AND TRAFFIC STANDARDS, (LATEST EDITION), COLLIER COUNTY'S DEVELOPMENT STANDARDS AND SPECIFICATIONS, AND COLLIER COUNTY WATER-SEVER DISTRICT UTILITIES STANDARDS MANUAL.
- 2. OWNER HAS OBTAINED ALL F.D.E.P. WATER AND WASTEWATER CONSTRUCTION PERMITS.
- 3. ALL COLLIER COUNTY WATER-SEWER DISTRICT UTILITIES (DESIGN CRITERIA, SPECIFICATIONS, AND DETAILS) ARE APPLICABLE TO THIS PROJECT AND ARE MADE PART OF THE CONTRACT DOCUMENTS BY REFERENCE TO CURRENT COUNTY UTILITY STANDARDS, LOCATED AT THE FOLLOWING WEB ADDRESS: https://www.colliercountyfl.gov/government/public-utilities/water-sewer-district/engineering-and-project-management/resources in the EVENT OF CONFLICT BETWEEN THE COUNTY UTILITY STANDARDS AND THESE SPECIFICATIONS AND DRAWINGS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.
- 4. ADJUST ALL WATER METER LOCATIONS TO PROPERTY LINE PER DETAIL W-12, LOCATED ON THE WATER DETAILS SHEET. CONTRACTOR SHALL AT NO ADDITIONAL COST HAVE A LICENSED PLUMBER RELOCATE SERVICE PIPING ON PRIVATE PROPERTY FROM EXISTING METER LOCATION TO PROPOSED METER LOCATION WITH SCH. 80 P.V.C. PIPING, MATCH EXISTING SIZE. 1" MINIMUM. ALL SERVICE PIPING UNDER DRIVEWAYS SHALL BE WITHIN A 4" SCH. 80 CASING.
- 5. ALL VACANT PROPERTIES SHALL RECEIVE A SERVICE LINE AND METER BOX WITH A LOCKED CURB STOP IN THE METER BOX.
- 6. ALL WATER SERVICES (METER, METER BOX, BACKFLOW, ETC.) SHALL BE LEVELED AND PLUMBED AFTER INSTALLATION. METER BOXES SHALL BE KEPT FREE OF DEBRIS AND METERS SHALL REMAIN ACCESSIBLE THROUGHOUT THE DURATION OF THE PROJECT. WATER SERVICE PIPING SHALL BE DEFLECTED/ADJUSTED AS NEEDED AROUND PROPOSED STORMWATER IMPROVEMENTS, INCLUDING STRUCTURES.
- 7. NEW WATER MAIN AND SERVICE PIPING (FROM MAIN TO CURB STOP AT METER) SHALL BE CONSTRUCTED, PRESSURE TESTED, FULL BORE FLUSHED, & BACTERIOLOGICALLY CLEARED FROM F.D.E.P. CONTRACTOR SHALL COORDINATE ALL WATER SYSTEM SAMPLING WITH COUNTY, UPON F.D.E.P. CLEARANCE, WATER MAIN SHALL BE PLACED INTO SERVICE. NEW WATER SERVICES SHALL BE CONNECTED TO THE PRIVATE WATER SERVICE PIPING (COORDINATE TEMPORARY SHUTDOWNS WITH INDIVIDUAL OWNERS) ONCE THE WATER SYSTEM IS CLEARED FOR USE. EXISTING WATER MAINS SHALL REMAIN IN SERVICE FOR ONE (1) WEEK TO ALLOW VERIFICATION OF RECONNECTION OF ALL SERVICES (COUNTY WILL TEMPORARILY SHUT DOWN LINE FOR VERIFICATION, UPON VERIFICATION, CONTRACTOR CAN COMPLETE ABANDONMENT OF EXISTING WATER MAINS. PRIOR TO BEGINNING PRESSURE TESTING OF WATER MAINS, CONTRACTOR TO ENSURE ALL AIR HAS BEEN REMOVED FROM THE MAIN AND THE WATER MAIN HAS PASSED A TWO (2) HOUR MINIMUM PRETEST.
- 8. WATER MAIN DISINFECTION SHALL BE PER AWWA C651 (CURRENT EDITION) AND COLLIER COUNTY TECHNICAL SPECIFICATION 025400, WHICH REQUIRES BACTERIAL SAMPLING POINTS AT THE BEGINNING OF EACH NEW MAIN TO BE CLEARED FOR USE, AT 1000-FOOT INTERVALS, AND ALL DEAD ENDS. PERMANENT SAMPLING POINTS ARE REQUIRED EVERY 3000 FEET OR ONE AT 2/3 OF THE LENGTH FROM THE POINT OF CONNECTION IF THE NEW WATER MAIN IS LESS THAN 3000 FEET LONG,
- 9. ALL POTABLE LINES 4" OR LARGER SHALL BE AWWA C-900 OR DR-18 P.V.C., UNLESS OTHERWISE NOTED. ALL LINES SMALLER THAN 4" SHALL BE SCH 80 POTABLE WATER LINES LOCATED UNDER PAVEMENT AND NON-RESIDENTIAL DRIVEWAYS SHALL BE AWWA C-900, CLASS 200, DR18, UNLESS OTHERWISE NOTED. WATER SERVICES SHALL BE POLYETHYLENE ONE AND A HALF INCHES IN DIAMETER.
- 10. CONTRACTOR SHALL USE 45° BENDS WITH MEGALUGS AT CONFLICTS WITH RESTRAINTS PER DETAIL G-4.
- 11. NOT ALL PROPOSED BENDS ARE SHOWN IN THE PROPOSED WATER LINE, ADDITIONAL FITTINGS MAY BE REQUIRED TO BEND THE WATER LINE AS REQUIRED.
- 12. PROPOSED FIRE HYDRANTS SHALL BE LOCATED AS SHOWN ON UTILITY DETAIL SHEETS. THE CONTRACTOR SHALL PROVIDE AND INSTALL REFLECTIVE PAVEMENT MARKERS PER COLLIER COUNTY STANDARDS AT PROPOSED FIRE HYDRANTS.
- 13. THE TOP OF ALL WATER LINES SHALL BE LOCATED A MINIMUM OF 30° AND A MAXIMUM OF 48° BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED.

- 14. ALL WATER SERVICE TAPING SADDLES SHALL BE STAINLESS STEEL FORD MODEL FS313 OR ROMAX MODEL 306.
- 15. EXISTING ASBESTOS CEMENT (A.C.) PIPE IS TO BE REMOVED AND DISPOSED OF PER COLLIER COUNTY REQUIREMENTS AND AT AN APPROVED F.D.E.P. SITE. ALL PROCEDURES FOR EXCAVATION, LISTING OF SAFETY EQUIPMENT, TRACKING TO A LANDFILL, AND LOADING OF THE WATER MAIN SHALL BE PROVIDED TO THE COUNTY WASTE STAFF FOR APPROVAL PRIOR TO WORK STARTING ON THE PROJECT. EACH INDIVIDUAL PIECE OF EXISTING WATER MAIN SHALL BE INDIVIDUALLY DOUBLE WRAPPED PER COLLIER COUNTY STANDARDS.
- THE CONTRACTOR SHALL PLACE PROPOSED VALVES AS SHOWN. THE VALVE BOX SHALL NOT BE PLACED IN PAVEMENT OF DRIVEWAY AREAS. UNLESS OTHERWISE NOTED.
- 17. AFTER SERVICES ARE CONNECTED TO A RESIDENCE, THE CONTRACTOR SHALL FLUSH THE SYSTEM USING A SPIGOT LOCATED ON THE OUTSIDE OF THE HOME, WITH THE PROPERTY OWNERS' PERMISSION.
- 18. IN CASE OF ANY SERVICE INTERRUPTION DUE TO THE CONTRACTOR'S ACTIVITIES, THE WATER DEPARTMENT WILL CALL THE CONTRACTOR, AND IF THEY DO NOT RESPOND VIA PHONE WITHIN 1 HOUR AND ARRIVE ONSITE WITHIN THE SECOND HOUR, THE COUNTY WILL COMPLETE THE REPAIR AND INVOICE THE CONTRACTOR. THE CONTRACTOR WILL BE INVOICED ON A TIME AND MATERIAL (T&M) BASIS, WITH A MINIMUM OF 2 HOURS AT \$82 AN HOUR, PRIVATE WATER CHARGES AS A RESULT OF THE CONTRACTOR WORK SHALL BE PAID FOR BY THE CONTRACTOR.
- 19. LOCATION MARKERS ARE TO BE PLACED AT THE FOLLOWING LOCATIONS:
- a. EVERY ON HUNDRED (100) FEET ALONG THE PROPOSED WATER MAIN
- b. ONE (1) AT EVERY SERVICE LATERAL END
- ONE (1) AT EVERY FITTING, BEND, OR CHANGE IN ALIGNMENT, AND VALVES
- d. TWO (2) ON LONG SERVICES ONE AT MAIN, ONE NEAR ROAD
- e. ONE (1) ON SHORT SERVICES NEAR THE ROAD
- 20, NOT ALL KNOWN EXISTING SANITARY LATERALS AND WATER SERVICES ARE SHOWN, THE CONTRACTOR SHALL RECONNECT ALL EXISTING LATERALS AND SERVICES WHETHER SHOWN OR NOT. ALL LATERALS AND SERVICES SHALL BE REPLACED WITH NEW MATERAL TO THE RIGHT-OF-WAY AND INCLUDE A CLEANOUT ON EACH SEWER LATERAL. WHEN CLAY LATERALS ARE ENCOUNTERED, THEY SHALL BE REPLACED WITH P.V.C. UNTIL PVC IS ENCOUNTERED OR TO THE HOUSE CLEANOUT, AS DIRECTED BY THE EOR AND COUNTY. CONTRACTOR TO COORDINATE WITH PROPERTY OWNER AND COLLIER COUNTY FOR ACCESS TO PRIVATE PROPERTY VIA SIGNED RIGHT OF ENTRY FORMS.
- 21. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL LOCATE (HORIZONTAL & VERTICAL) ALL EXISTING SANITARY SEWER LATERALS AND NOTIFY THE OWNER AND ENGINEER OF ANY DISCREPANCY BETWEEN THE LOCATIONS DEPICTED IN THE DRAWINGS, PROPOSED SANITARY SEWER LATERAL LOCATIONS SHALL BE MODIFIED BY THE CONTRACTOR AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER, ADDITIONALLY, THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY CONFLICTS BETWEEN THE EXISTING OR PROPOSED SANITARY SEWER LATERALS AND EXISTING OR PROPOSED WATER, WASTEWATER, OF STORMWATER FACILITIES (INCLUDING STORMWATER STRUCTURES). PROPOSED FACILITIES SHALL BE ADJUSTED BY THE CONTRACTOR AS NECESSARY TO AVOID EXISTING OR PROPOSED SANITARY SEWER LATERALS AND ADDITIONAL COST TO THE OWNER, MOLDED PV.C, FITTINGS SHALL BE USED TO CONNECT THE SERVICE LATERALS AT NO ADDITIONAL COST TO THE OWNER, MOLDED PV.C, FITTINGS MAY ONLY BE USED IT THE PRIVATE SEWER LATERALS TO THE EXISTING PV.C, PRIVATE SEWER SERVICE. NEOPRENE BOOTS MAY ONLY BE USED IT THE PRIVATE SEWER LATERAL IS CLAY AT THE CONNECTION POINT DETERMINED BY THE EOR AND OWNER.
- 22. CONTRACTOR TO VERIFY ELEVATIONS OF EXISTING AND PROPOSED PIPE INVERTS CONNECTING TO MANHOLES PRIOR TO MANHOLE FABRICATION.
- 23. DESIGN IS BASED UPON A SURVEY PERFORMED BY GRADYMINOR FROM 2021, DESIGN IS ALSO BASED ON GRAVITY SEWER RECORD DRAWINGS DATED 1976,
- 24. CONTRACTOR TO UTILIZE METALIZED TAPE AND MARKER BALLS FOR ALL UNDERGROUND PIPING PER COUNTY STANDARDS. ADDITIONALLY, ALL PRESSURE PIPING AND SERVICES LARGER THAN 2" SHALL BE INSTALLED WITH A #12 AWG LOCATING TONE WIRE.
- 25. CONTRACTOR SHALL INSTALL AIR RELEASE VALVES AT ALL HIGH POINTS AS DETERMINED BY THE APPROVED AS-BUILT PROFILE IN ADDITION TO THE AIR RELEASE VALVES SHOWN ON THE DRAWINGS.
- 26. CONTRACTOR TO LOCATE EXISTING/PROPOSED SAN. SEWER SERVICES, AS WELL AS ANY STORMWATER CONFLICTS, AND DEFLECT WATER MAIN AS REQUIRED TO AVOID CONFLICTS.
- 27. ALL REINFORCED POLYMER CONCRETE MANHOLES SHALL HAVE A 2-INCH (MINIMUM) FACTORY CAST CONCRETE COLLAR AT THE MANHOLE BASE.
- 28. MINIMUM ACCESS DIAMETER FOR MANHOLES RING AND COVERS IS 24-INCHES PER FDEP REQUIREMENTS.
- 29. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL LOCATE BY POT HOLING OR SOFT DIGGING ALL UTILITIES WITHIN THE LIMITS OF THE PROJECT AND PROVIDE THE COUNTY, EOR, AND CEI A REPORT (BEFORE CONSTRUCTION) OF THE FINDINGS AT EACH LOCATION THAT INCLUDES THE STATION AND OFFSET, LOCATION, UTILITY TYPE, DEPTH FROM GRADE, SIZE, MATERIAL, DATE, TIME, AND A MINIMUM OF (2) PICTURES (AN OVERALL SITE PICTURE AND A PICTURE OF THE UTILITY FOUND). THE CONTRACTOR SHALL MARK THE FOUND UTILITY WITH A WOODEN LATH AND RIBBON, WITH THE UTILITY TYPE FOUND, SIZE, AND DEPTH WRITTEN ON THE LATH.

JOHNSON ENGINEERING

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Carlton Street Sidewalk and Utility Improvements Collier County, Florida

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Construction Plans Notes (Continued)

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COLLIER COUNTY PUBLIC UTILITIES STANDARD DETAIL NOTES:

ALL REFERENCES TO COLLIER COUNTY PUBLIC UTILITIES STANDARD DETAILS ARE FROM THE 2018 COLLIER COUNTY UTILITIES OPERATION AND MAINTENANCE MANUAL. THESE STANDARD DETAILS WERE PREPARED BY OR AT THE DIRECTION OF COLLIER COUNTY AND WERE FURNISHED TO JOHNSON ENGINEERING, INC.

THE DESIGN STANDARDS REFERENCED WITHIN THIS PLAN SET HAVE BEEN INCORPORATED HEREIN VERBATIM AS SET FORTH WITHIN THE ABOVE REFERENCED COLLIER COUNTY OPERATION AND MAINTENANCE MANUAL.

ELEVATIONS SHOWN HEREON ARE BASED ON NORTH AMERICA VERTICAL DATUM OF 1938 (NAVD '8)

CONVERSION FACTOR TO NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD '29) IS + 1,29,

