

GENERAL CONSTRUCTION NOTES

- COUNTY GOVERNING SPECIFICATIONS: BAKER COUNTY LAND DEVELOPMENT CODE, BAKER COUNTY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS, LATEST EDITION.
- ALL CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO THE 2019-2020 EDITION OF THE FDOT DESIGN STANDARD PLANS, THE 2019 EDITION OF THE FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE 2017 EDITION OF THE FDOT UTILITY ACCOMMODATIONS MANUAL.
- ALL UTILITY MATERIAL, CONSTRUCTION AND TESTING COVERED BY THESE DRAWINGS SHALL COMPLY WITH THE BAKER COUNTY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS, LATEST EDITION. ALL UTILITY WORK AND CONNECTIONS SHALL BE COORDINATED WITH THE BAKER COUNTY INSPECTOR.
- THE CONTRACTOR SHALL PAY FOR AND OBTAIN A BUILDING PERMIT. THE ENGINEER WILL SCHEDULE THE PRECONSTRUCTION CONFERENCE BEFORE THE CONTRACTOR'S START OF WORK. THE CONTRACTOR SHALL CONTACT THE BUILDING DEPARTMENT AT (904) 501-8622 FOR INFORMATION ON ISSUANCE OF CITY PERMITS AND / OR OTHER REQUIREMENTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY DEFICIENCIES OR DISCREPANCIES AMONG THE DIVISIONS OF THE DRAWING AND SPECIFICATIONS PRIOR TO THE BID DATE. NEITHER THE OWNER OR ENGINEER WILL BE RESPONSIBLE FOR ANY DEFICIENCIES OR DISCREPANCIES RAISED AFTER THE BID OPENING. ACCORDINGLY, IN LIGHT OF THESE OBLIGATIONS, THE ENGINEER IS OBLIGATED TO INTERPRET THE DRAWINGS AND SPECIFICATIONS IN A MANNER THAT WILL PROVIDE THE OWNER WITH A COMPLETE, FUNCTIONING FACILITY FOR THE BID PRICE.
- THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLEMENTARY, AND ANY REQUIREMENT OF ONE SHALL BE A REQUIREMENT OF THE OTHER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS AND TO COMPARE THE REQUIREMENTS OF EACH DIVISION AND ENSURE THAT EACH TRADE OR SUBCONTRACTOR IS MAKING THE ALLOWANCES NECESSARY TO PROVIDE THE OWNER A COMPLETE FACILITY, OPERATIONAL IN ALL RESPECTS, UNLESS OTHERWISE SPECIFICALLY STATED IN THE DRAWINGS.
- THE ENGINEER ASSUMES NO RESPONSIBILITY FOR INSTRUCTING THE CONTRACTOR IN THE METHODS OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE METHOD TO CONSTRUCT THE IMPROVEMENTS AS SHOWN ON THE PLANS.
- ONLY ONE TEMPORARY CONSTRUCTION SIGN IS PERMITTED, NOT TO EXCEED 32 SQUARE FEET IN SIGN AREA, MAXIMUM HEIGHT OF 8 FEET AND NO CLOSER THAN 10 FT FROM PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL APPLY FOR A TEMPORARY SIGN PERMIT AT THE PORT ORANGE BUILDING DEPARTMENT. THE SIGN MUST BE REMOVED UPON RECEIPT OF THE CERTIFICATE OF OCCUPANCY.
- LITTER CONTROL MEASURES TO PREVENT WIND-DRIVEN DEBRIS SHALL BE IMPLEMENTED THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEBRIS SHALL BE REMOVED AND THE PROJECT SITE CLEANED WITHIN 30 DAYS OF COMPLETION OF CONSTRUCTION. CONTACT BAKER COUNTY PUBLIC WORKS FOR APPROVED ROLL OF DUMPSTER VENDORS.
- AT NO TIME SHALL EXCAVATIONS BE LEFT UNCOVERED AFTER WORKING HOURS. CONTRACTOR SHALL SECURE THE WORK AREA AT THE END OF EACH DAY'S WORK.
- AT ALL TIMES, THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT UNDERGROUND UTILITIES, STRUCTURES AND OTHER ASSOCIATED FACILITIES FROM DAMAGE DURING CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MEASURES OF PROTECTION. ANY DAMAGED FACILITIES SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE CITY OR ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THERE SHALL BE NO DEVIATIONS FROM THESE PLANS UNLESS APPROVED IN WRITING BY THE ENGINEER AND THE OWNER.
- THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL COORDINATE AND COMPLY WITH ALL UTILITY COMPANIES INVOLVED IN PROJECT AND PAY ALL REQUIRED FEES AND COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL. TEST RESULTS TO THE ENGINEER OF THE RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENGINEER. TEST RESULTS MUST INCLUDE, BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE AND BASE DENSITIES AT UTILITY CROSSINGS, MANHOLES, INLETS, STRUCTURES. TEST SHALL INCLUDE ASPHALT GRADATION REPORTS, CONCRETE CYLINDERS, ETC.
- WHERE NEW ASPHALT MEETS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE.
- PRIOR TO REMOVING CURB OR GUTTER, THE ADJACENT ASPHALT SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE.
- ALL PROPOSED ELEVATIONS REFER TO FINISHED GRADES.
- CONCRETE WALKS SHALL BE 4 INCHES THICK HAVING A 3,000 PSI STRENGTH, POURED OVER PROPERLY PREPARED SUBGRADE. ALL CONCRETE SIDEWALKS SHALL BE 8 INCHES THICK ACROSS DRIVEWAYS. 1/2 INCH EXPANSION JOINTS SHALL BE PLACED AT A MAXIMUM OF 50'. CRACK CONTROL JOINTS SHALL BE 5' ON CENTER. EDGES SHALL BE REINFORCED WITH #4 REBAR PER CITY DETAIL M-6.
- CORE TESTS SHALL BE TAKEN TO VERIFY THICKNESS AND SUBSURFACE COMPACTION. PROVIDE FOR THREE SAMPLES, RANDOMLY LOCATED. TEST FOR EXTRACTION, GRADATION, LABORATORY DENSITY, AND MARSHALL'S STABILITY. PROVIDE A CERTIFICATE FROM THE TESTING AGENCY THAT MATERIALS AND INSTALLATION COMPLY WITH SPECIFICATIONS, SIGNED BY THE ASPHALTIC CONCRETE PRODUCER AND CONTRACTOR. ALL COSTS OF TESTS SHALL BE PAID BY THE CONTRACTOR. IF TESTS SHOW THE INSTALLATION DOES NOT MEET SPECIFICATIONS, THE PAVING SHALL BE REMOVED, REPLACED, AND RETESTED.
- IF ANY MUCK-LIKE MATERIAL IS DISCOVERED, IT WILL BE REQUIRED TO BE REMOVED, BACKFILLED WITH APPROPRIATE FILL, COMPACTED, AND TESTED USING AASHTO T-180 MODIFIED PROCTOR METHOD.
- FILL MATERIAL IS TO BE PLACED IN ONE FOOT LIFTS AND COMPACTED TO THE APPROPRIATE DENSITY (98% FOR PAVED AREAS AND 95% FOR BUILDING PADS AND ALL OTHER AREAS AS PER AASHTO T-180).
- NO BURYING OF ANY ORGANIC MATERIALS OR CONSTRUCTION DEBRIS ALLOWED.
- THERE WILL BE NO PROPOSED OVERHEAD UTILITY AND SERVICE LINES ASSOCIATED WITH THIS PROJECT. ALL UTILITY LINES AND SERVICES WILL BE INSTALLED UNDERGROUND AT THE OWNER'S, DEVELOPER'S OR BUILDER'S EXPENSE.
- SET UP AND WORK ON SHOULDER AND WITHIN TRAVEL WAY SHALL ONLY OCCUR BETWEEN THE HOURS SPECIFIED ON THE BAKER COUNTY ROAD PERMIT. ALTERNATIVELY, WORK CAN BE SCHEDULED DURING SCHOOL HOLIDAYS OR ON WEEKENDS.
- ALL PROPOSED UTILITIES SHALL BE INSTALLED UNDERGROUND.

SITE AND GENERAL INFORMATION

- THE PROPERTY AREA BOUNDARY CONSISTS OF 47,386 SF OR 1.09 ACRES. FOR BOUNDARY AND TOPOGRAPHIC SURVEY REFER TO THE SURVEY PERFORMED BY A1A SURVEYING, INC. (SEE SHEET No. SU-1 OF THESE PLANS).
- THE ZONING IS GC (GENERAL COMMERCIAL).
- THE TAX PARCEL NUMBER IS 36252100000000347.
- THE EXISTING SITE CONDITION IS UNDEVELOPED AND CLEAR WITH NO HISTORIC TREES. THE FLUCCS LAND USE IS (0000) VACANT.
- PER THE USDA NATURAL RESOURCES CONSERVATION SERVICE FOR BAKER COUNTY, THE SCS SOILS MAP INDICATES THE SITE CONSISTS OF (22) LEEFIELD FINE SAND, 0 TO 5 PERCENT SLOPES AND (54) ALBANY FINE SAND, 0 TO 5 PERCENT SLOPES.
- THE SITE IS LOCATED WITHIN ZONE "X" PER FEMA FLOOD ZONING MAP No. 12003C0219 C H, DATED JUNE 17, 2008.
- ELECTRICAL UTILITY SERVICE WILL BE PROVIDED BY FLORIDA POWER & LIGHT. NATURAL GAS WILL BE PROVIDED BY TECO PEOPLES GAS COMPANY. TELEPHONE, CABLE AND INTERNET SERVICE WILL BE PROVIDED BY AT&T. CABLE TV AND INTERNET CAN ALSO BE PROVIDED BY BRIGHTHOUSE.
- SOLID WASTE WILL BE COLLECTED AND DISPOSED OF BY WASTE PRO, INC.
- THE SITE IS NOT LOCATED WITHIN THE LIMITS OF A WELLHEAD PROTECTION ZONE AND THERE IS NO ORDINARY HIGH WATER (OHW) LINE WITHIN THE SITE.
- POTABLE WATER AND SERVICE WILL BE PROVIDED BY THE CITY OF MACCLENNY. SEWER SERVICE WILL BE PROVIDED BY EXISTING LIFT STATION.
- IRRIGATION SERVICE WILL BE PROVIDED BY PRIVATE WELL.
- ALL ON-SITE WATER AND SEWER FACILITIES ARE OWNED AND MAINTAINED BY THE PROPERTY OWNER.

LEGEND NOTE: NOT ALL SYMBOLS SHOWN HERE MAY BE APPLICABLE TO THESE DRAWINGS, ALSO THERE MAY BE ADDITIONAL SYMBOLS WITHIN PLANS NOT SHOWN HERE, SEE INDIVIDUAL DRAWING LEGEND WHERE APPLICABLE.

	BENCHMARK ID		4" BY 4" CONCRETE MONUMENT
	BORING ID		EXISTING EASEMENT
	EXISTING CABLE TV PEDESTAL		EXISTING UNDERGROUND FIBER OPTIC CABLE
	EXISTING CAP OR PLUG		EXISTING FORCE MAIN (# INDICATES SIZE)
	EXISTING CLEAN OUT		EXISTING GAS MAIN
	EXISTING CONDUIT RISER/ MARKER		EXISTING OVERHEAD ELECTRIC CABLES
	EXISTING ELECTRIC METER		EXISTING OVERHEAD TRAFFIC SIGNAL CABLE
	EXISTING ELEVATION (SOFT)		EXISTING RAW WATER MAIN (# INDICATES SIZE)
	PROPOSED ELEVATION (SOFT)		EXISTING RECLAIM WATER MAIN (# INDICATES SIZE)
	EXISTING ELEVATION (HARD)		PROPOSED SANITARY SEWER (# INDICATES SIZE)
	PROPOSED ELEVATION (HARD)		PROPOSED WATER MAIN (# INDICATES SIZE)
	EXISTING FIRE HYDRANT		EXISTING CONTOUR
	PROPOSED FIRE HYDRANT		PROPOSED CONTOUR (SOFT)
	EXISTING FLOW DIRECTION		PROPOSED CONTOUR (HARD)
	PROPOSED FLOW DIRECTION		EXISTING UNDERGROUND TELEPHONE CABLE
	EXISTING GAS METER		EXISTING UNDERGROUND TELEVISION CABLE
	EXISTING GAS VALVE		EXISTING UNDERGROUND ELECTRICAL POWER CABLE
	EXISTING GUY WIRE & ANCHOR PIN		JURISDICTIONAL WETLAND LINE
	EXISTING MAIL BOX		EXISTING SANITARY SEWER (# INDICATES SIZE)
	EXISTING MANHOLE (UNKNOWN)		EXISTING WATER MAIN (# INDICATES SIZE)
	PROPOSED MANHOLE		EXISTING PIPE OR CONDUIT (TYPE SPECIFIED)
	EXISTING SANITARY SEWER CLEANOUT		EXISTING SWALE OR CENTER OF DITCH
	EXISTING SANITARY SEWER MANHOLE		PROPOSED SWALE OR CENTER OF DITCH
	EXISTING ROAD SIGNS AND POSTS		EXISTING TOP OF DITCH BANK
	PROPOSED SIGN AND POST		EXISTING BOTTOM OF DITCH BANK
	EXISTING TEE		EXISTING WOOD FENCE
	EXISTING UTILITY POLE		EXISTING WIRE OR CHAIN LINK FENCE
	EXISTING VALVE IRRIGATION		PROPOSED WIRE OR CHAIN LINK FENCE
	EXISTING VALVE WATER		PROPOSED CHAIN LINK FENCE
	PROPOSED WATER VALVE		PROPOSED CHAIN LINK FENCE
	EXISTING WATER METER		PROPOSED CHAIN LINK FENCE
	EXISTING STORM SEWER WITH INLET		PROPOSED CHAIN LINK FENCE
	PROPOSED STORM SEWER WITH INLET		PROPOSED CHAIN LINK FENCE
	1/2" IRON ROD (NO I.D.)		PROPOSED CHAIN LINK FENCE

SITE DEVELOPMENT USAGE

1. SETBACK:	BUILDING	LANDSCAPE	5. PARKING PROVIDED	%
FRONT (US 90)	15 FEET	15 FEET	HANDICAP	2
REAR (INTERNAL)	15 FEET	15 FEET	STANDARD	41
SIDE (INTERNAL)	15 FEET	15 FEET	TOTAL PARKING PROVIDED	43
SIDE (RESIDENTIAL FRONT)	20 FEET	20 FEET		100.0
2. PROPOSED SITE COVERAGE:	SQ. FT	ACRE	6. HANDICAP SPACE REQUIREMENTS	
BUILDING	2,732	0.063	REQUIRE 2 SPACES FOR 26 TO 50 STANDARD SPACES	
PAVEMENT	22,237	0.510	HANDICAP SPACES PROVIDED = 2	
CONCRETE SIDEWALKS / PATIOS	1,928	0.044		
INTERIOR LANDSCAPE	7,579	0.174		
EXTERIOR LANDSCAPE	12,910	0.296		
TOTAL SITE	47,386	1.088		
TOTAL SITE IMPERVIOUS	26,897	0.617		
TOTAL OPEN SPACE	20,489	0.470		
FLOOR AREA RATIO (FAR)	0.06	(0.75 MAX)		
4. PARKING REQUIREMENTS				
EATING ESTABLISHMENT:				
15 SPACES PER 1,000 SF GFA				
(2,732 / 1,000) x 15 = 40.98				= 41 SPACES
TOTAL REQUIRED				= 41 SPACES

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS - 2020 / 2021 AND QUALIFIED PRODUCTS LIST

INDEX NO.	DESCRIPTION	INDEX NO.	DESCRIPTION
102	TEMPORARY EROSION AND SEDIMENT CONTROL	546	SIGHT DISTANCE AT INTERSECTIONS
425-010	STRUCTURE BOTTOMS - TYPES J AND P	102-600	GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES
205	PIPE BACKFILL		
425-021	CURB INLET TOPS - TYPES 5 & 6	102-602	TWO-LANE, TWO-WAY, WORK ON SHOULDER
425-024	CURB INLET TOP - TYPE 9	102-603	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY
425-052	DITCH BOTTOM INLETS - TYPES C, D, E AND H	102-611	MULTILANE, WORK OUTSIDE SHOULDER
430-022	SIDE DRAIN MITERED END SECTION	102-612	MULTILANE, WORK ON SHOULDER
520-001	CURB & CURB AND GUTTER	102-660	PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS
522-002	PUBLIC SIDEWALK CURB RAMPS	700-101	TYPICAL SECTIONS FOR PLACEMENT OF SINGLE & MULTIPLE-COLUMN SIGNS
350-001	CONCRETE PAVEMENT JOINTS		SPECIAL MARKING AREAS
522-001	CONCRETE SIDEWALK		
120-001	EMBANKMENT UTILIZATION		

ABBREVIATIONS

AWWA	AMERICAN WATER WORKS ASSOCIATION	GW	GROUND WATER	R	RADIUS
CMP	CORRUGATED METAL PIPE	H/C	HANDICAP HIGH DENSITY POLYETHYLENE	RCP	REINFORCED CONCRETE PIPE
CPP	CORRUGATED PLASTIC PIPE	HDPE	HORIZONTAL HIGH DENSITY POLYETHYLENE	RPM	REFLECTIVE PAVEMENT MARKER
CTV	CABLE TELEVISION	INV	INVERT	R/W	RIGHT-OF-WAY
DIP	DUCTILE IRON PIPE	K _h	HORIZONTAL PERCENTAGE	SAN	SANITARY
ESMT	EASEMENT	K _v	VERTICAL PERCENTAGE	SH	SEASONAL HIGH
EXIST	EXISTING	KO	ROCK OUT	SMH	SANITARY MANHOLE
FAC	FLORIDA ADMINISTRATIVE CODE	LF	LINEAL FEET	SJRWMD	ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	MES	MITERED END SECTION	SS	SANITARY SEWER
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	MJ	MECHANICAL JOINT	SWPPP	STORMWATER POLLUTION PREVENTION PLAN
FM	FLORIDA POWER & LIGHT	N/A	NOT APPLICABLE	TSB	TEMPORARY SEDIMENT BASIN
FFD	FEET PER DAY	NGVD	NATIONAL GEODETIC VERTICAL DATUM	TYP	TYPICAL
G	GAS	OHE	OVERHEAD ELECTRIC	UGE	UNDERGROUND ELECTRIC
		OR	OFFICIAL RECORD	UGT	UNDERGROUND TELEPHONE
		PG	PAGE	USACOE	UNITED STATES ARMY CORP OF ENGINEERS
		PSI	POUNDS PER SQUARE INCH	W	WATER (POTABLE)
		PVC	POLYVINYL CHLORIDE		
		PVMT	PAVEMENT		

SITE GEOTECHNICAL CONSIDERATIONS

SEE GEOTECHNICAL REPORT UNIVERSAL ENGINEERING SCIENCES, INC. (REPORT # 1813404, DATED 10/28/2020) FOR ALL SUBSURFACE CONDITIONS, GROUNDWATER, SITE PREPARATION FOR PAVEMENT AND ALL EARTHWORK REQUIREMENTS.

REVISIONS

DATE	DESCRIPTION

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HARRY H. NEWKIRK, P.E. # 62971

PROJECT No:	2020-307
DATE:	DECEMBER 2020
DESIGN BY:	HHN
DRAWN BY:	DAB
CHECKED BY:	HHN
SCALE:	
DRAWING NUMBER	