

\\server3\projects\Newberry Park - Block 2 - Pave\Plans\Current\DWG\2003\31.dwg, C:\00 COVER, 4/24/2024 1:16:33 PM, AutoCAD PDF (General Documentation).pc3, 18

# NEWBERRY PARK TND - BLOCK 2

## ALACHUA COUNTY, FLORIDA

DEVELOPMENT INFORMATION		
1.	NAME OF PROJECT:	NEWBERRY PARK TND - BLOCK 2
2.	PROJECT DESCRIPTION	THE PROPOSED DEVELOPMENT CONSISTS OF THE CONSTRUCTION OF 12 GAS PUMPS WITH UNDERGROUND GAS TANKS, AND A MIX OF RETAIL & OFFICE USES (22,621 S.F. TOTAL) WITH ASSOCIATED DRAINAGE AND UTILITY IMPROVEMENTS.
3.	PROJECT ADDRESS:	12186 NW 7th PI
4.	TAX PARCEL NUMBER:	04322-001-002
5.	SECTION/TOWNSHIP/RANGE:	SECTION 01, TOWNSHIP 10 SOUTH, RANGE 18 EAST
6.	ZONING:	RESIDENTIAL SINGLE FAMILY
7.	FUTURE LAND USE DESIGNATION:	LOW DENSITY
8.	TOTAL SITE AREA:	1.3± ACRES

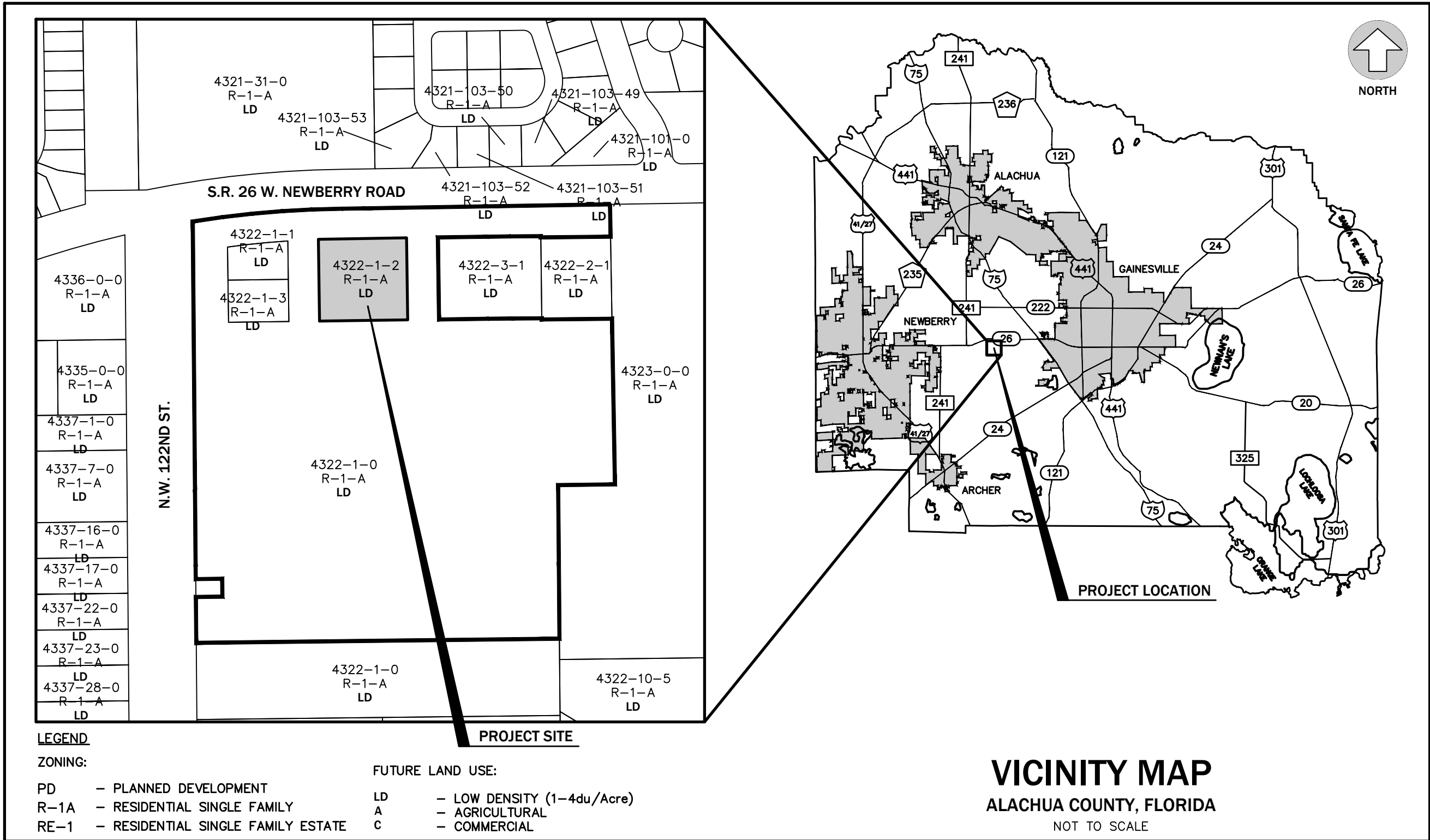
CONTACT INFORMATION		
1.	PROPERTY OWNERS:	PREM ENETRPRISE USA LLC 1404 W US HWY 90 LAKE CITY, FL 32055 (352) 745-6935 CONTACT: FREDDY PATEL
2.	CONSULTANT ENGINEER:	eda consultants inc. 720 S.W. 2nd AVE. SOUTH TOWER, SUITE 300 GAINESVILLE, FL 32601 (352) 373-3541 CONTACT: SERGIO REYES, P.E.
3.	PLANNER:	eda consultants inc. 720 S.W. 2nd AVE. SOUTH TOWER, SUITE 300 GAINESVILLE, FL 32601 (352) 373-3541 CONTACT: CLAY SWIEGER, AICP, LEED AP
4.	SURVEYOR:	eda consultants inc. 720 S.W. 2nd AVE. SOUTH TOWER, SUITE 300 GAINESVILLE, FL 32601 (352) 373-3541 CONTACT: BOB GRAVER, PSM
5.	ARCHITECT:	Donahue Architecture, Inc. 1202 SW 17TH STREET SUITE #201-165 OCALA, FL 34471 (352) 867-5148 CONTACT: JOHN DONAHUE, AIA

IMPERVIOUS AREA CALCULATIONS				
#	DESCRIPTION	SQUARE FOOTAGE (S.F.)	ACREAGE (AC.)	PERCENTAGE (%)
1.	TOTAL SITE AREA:	56,574	1.30	100%
2.	PROPOSED BUILDING COVERAGE:	19,303*	0.44	34.1%
3.	PAVEMENT AND SIDEWALK AREA:	29,809	0.68	52.7%
4.	TOTAL IMPERVIOUS AREA:	49,112	1.13	86.8%
5.	OPEN AREA:	7,462	0.17	13.2%

\*19,303 S.F. REPRESENTS THE GROUND FLOOR BUILDING COVERAGE AND DOES NOT INCLUDE THE SECOND FLOOR BUILDING SQUARE FOOTAGE (3,224 S.F.)

DIMENSIONAL REQUIREMENTS - BLOCKS 2	
1.	BUILD TO LINE: VARIES 15' MIN. - 50' MAX.
2.	HEIGHT: 1-2 STORY NON-RESIDENTIAL
3.	SINGLE TENANT BUILDING FOOTPRINT: 50,000 S.F. MAX. N/A: ALL PROPOSED BUILDINGS ARE MULTI-TENANT
4.	BLOCK PERIMETER: (ULDC 407.68.1) - MINIMUM REQUIRED: 75% (652 L.F.) - PROPOSED: 951 L.F.
5.	BLOCK PERIMETER PERCENTAGE: (ULDC 407.68(c)(2)(a)) - MINIMUM REQUIRED: 75% (652 L.F.) - PROPOSED: .83% (729 L.F.) - NOTE: THE TOTAL PERIMETER INCLUDES THE OUTLINE OF THE BLOCK PERIMETER LESS THE ACCESS TO OFF-STREET SURFACE PARKING.

UTILITIES TO BE PROVIDED AND PROVIDER		
1.	ELECTRIC:	GAINESVILLE REGIONAL UTILITIES (GRU)
2.	NATURAL GAS:	GAINESVILLE REGIONAL UTILITIES (GRU)
3.	POTABLE WATER:	GAINESVILLE REGIONAL UTILITIES (GRU)
4.	WASTE WATER:	GAINESVILLE REGIONAL UTILITIES (GRU)
5.	CABLE:	COX COMMUNICATIONS
6.	TELEPHONE:	BELLSOUTH
7.	FIRE SUPPRESSION WATER SUPPLY:	GAINESVILLE REGIONAL UTILITIES (GRU)
8.	HIGH SPEED INTERNET:	COX COMMUNICATIONS OR BELLSOUTH OR GRU



### LEGAL DESCRIPTION

#### BLOCK 2

A PORTION OF THE NORTHWEST 1/4 OF SECTION 1, TOWNSHIP 10 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA; BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 1, TOWNSHIP 10 SOUTH, RANGE 18 EAST, ALACHUA COUNTY, FLORIDA AND RUN THENCE SOUTH 00° 28' 21" EAST, ALONG THE WEST LINE OF SAID SECTION 1, A DISTANCE OF 141.75 FEET; THENCE NORTH 89° 31' 39" EAST, 500.79 FEET TO THE POINT OF BEGINNING; SAID POINT LYING ON THE ARC OF A CURVE, CONCAVE SOUTHERLY, HAVING A RADIUS OF 2695.75 FEET; THENCE EASTERLY, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 01° 26' 04", AND ARC DISTANCE OF 67.48 FEET TO THE END OF SAID CURVE, SAID ARC BEING SUBTENDED BY A CHORD, HAVING A BEARING AND DISTANCE OF NORTH 88° 32' 10" EAST, 67.48 FEET; THENCE NORTH 89° 13' 49" EAST, 179.02 FEET; THENCE SOUTH 00° 46' 11" EAST, 229.59 FEET; THENCE SOUTH 89° 13' 49" WEST, 246.50 FEET; THENCE NORTH 00° 46' 11" WEST, 228.76 FEET TO THE POINT OF BEGINNING.

### TRIP GENERATION

ITE LAND USE: 822 Strip Retail Plaza (<40k)									
PROPOSED: Retail Spaces (8,513 SF)									
8513	UNIT: 1000 SF GFA								
				TRIP DISTRIBUTION		PROJECTED TRIPS			
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT		
AM	7.60	8.51	64.70	50%	50%	32.35	32.35		
PM	13.24	8.51	112.71	54%	46%	60.86	51.85		
AVG	54.45	8.51	463.53	50%	50%	231.77	231.77		
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 229-233									

ITE LAND USE: 899 Liquor Store									
PROPOSED: Liquor Store (2,250 SF)									
2250	UNIT: 1000 SF GFA								
				TRIP DISTRIBUTION		PROJECTED TRIPS			
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT		
AM	5.08	2.25	11.43	0.51	0.49	5.83	5.60		
PM	17.00	2.25	38.25	0.50	0.50	19.13	19.13		
AVG	107.21	2.25	241.22	0.50	0.50	120.61	120.61		
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 582-586									

	AM	PM	AVG
TOTAL PROPOSED	463.42	485.61	4459.92

ITE LAND USE: 945 Convenience Store/Gas Station - VFP (9-15)									
PROPOSED: Convenience Store and Gas Pumps (3,950 SF)									
3950	UNIT: 1000 SF GFA								
				TRIP DISTRIBUTION		PROJECTED TRIPS			
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT		
AM	57.56	3.95	227.36	50%	50%	113.68	113.68		
PM	56.38	3.95	222.70	50%	50%	111.35	111.35		
AVG	700.43	3.95	2766.70	50%	50%	1383.35	1383.35		
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 892-896									

ITE LAND USE: 937 Coffee/Donut Shop with Drive-Through Window									
PROPOSED: Coffee Shop (990 SF)									
990	UNIT: 1000 SF GFA								
				TRIP DISTRIBUTION		PROJECTED TRIPS			
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT		
AM	101.27	0.99	100.26	50%	50%	50.13	50.13		
PM	43.65	0.99	43.21	50%	50%	21.61	21.61		
AVG	533.57	0.99	528.23	50%	50%	264.12	264.12		
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 776-778									

ITE LAND USE: 932 High-Turnover (Sit-Down) Restaurant									
PROPOSED: Restaurant (3,600 SF)									
3600	UNIT: 1000 SF GFA								
				TRIP DISTRIBUTION		PROJECTED TRIPS			
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT		
AM	13.68	3.60	49.25	0.57	0.43	28.07	21.18		
PM	16.35	3.60	58.86	0.51	0.49	30.02	28.84		
AVG	107.20	3.60	385.92	0.50	0.50	192.96	192.96		
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 673-675									

ITE LAND USE: 710 General Office Building									
PROPOSED: Office (6,855 SF)									
6855	UNIT: 1000 SF GFA								
				TRIP DISTRIBUTION		PROJECTED TRIPS			
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT		
AM	1.52	6.86	10.42	0.88	0.12	9.17	1.25		
PM	1.44	6.86	9.87	0.17	0.83	1.68	8.19		
AVG	10.84	6.86	74.31	0.50	0.50	37.15	37.15		
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 709-711									

DRAWING INDEX	
SHEET NUMBER	SHEET TITLE
C100	COVER SHEET
C110	LEGEND, SYMBOLS AND NOTES
C120	OVERALL DEVELOPMENT PLAN
C130	TND CONSISTENCY NOTES
C140	DEMOLITION PLAN
C200	DIMENSION PLAN
C300	PAVING, GRAING AND DRAINAGE
C310	PAVING, GRADING, AND DRAINAGE DETAILS
C320	STORMWATER POLLUTION PREVENTION PLAN
C400	UTILITY PLAN
C410	SANITARY PLAN AND PROFILE
V-001	BOUNDARY & TOPOGRAPHIC SURVEY



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No.	Date	Comment

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY CLAUDIA S. VEGA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Claudia S. Vega, P.E. 51532  
Engineer Certificate No.

Project No: 20-033

Project phase:

COUNTY SUBMITTAL

Project title:

NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title:

COVER SHEET

Designed: CSV Sheet No.:

Drawn: JB

Checked: TAR

Date: 04/23/24

C100



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EXISTING SYMBOLS & ABBREVIATIONS

C/L	=	CENTERLINE
cmf	=	CORRUGATED METAL PIPE
CONC	=	CONCRETE
COR	=	CORNER
R	=	DELTA (CENTRAL) ANGLE
R	=	RADIUS
A	=	ARC
CSB	=	TANGENT
CD	=	CHORD BEARING
CD	=	CHORD DISTANCE
dip	=	DUCTILE IRON PIPE
ELEV	=	ELEVATION
emf	=	ELLIPITICAL CORRUGATED METAL PIPE
emf	=	ELLIPITICAL REINFORCED CONCRETE PIPE
ID	=	IDENTIFICATION
Inv	=	INVERT
F.D.O.T.	=	FLORIDA DEPARTMENT OF TRANSPORTATION
F.F.	=	FINISHED FLOOR
M.E.S.	=	MITERED END SECTION
No.	=	NUMBER
O.R.	=	OFFICIAL RECORDS BOOK
PGS.	=	PAGES
PVC	=	POLY-VINYL CHLORIDE
RCF	=	REINFORCED CONCRETE PIPE
R/W	=	RIGHT OF WAY
SEC 28-9-19	=	SECTION 28, TOWNSHIP 9 SOUTH, RANGE 19 EAST
TRAN	=	ELECTRICAL TRANSFORMER PAD
W	=	WITH
ANCH	=	GUY ANCHOR
BO	=	WATER BLOW OFF
CO	=	SANITARY CLEAN-OUT
CO	=	FOUND CONCRETE MONUMENT (size, ID)
CO	=	FOUND DRILL HOLE
CO	=	FOUND IRON PIPE (size, ID)
CO	=	FOUND NAIL & DISK (ID)
CO	=	FOUND REBAR & CAP (size, ID)
CO	=	FOUND SPIKE
CO	=	GAS METER
CO	=	GAS VALVE
CO	=	GUY POLE
CO	=	ELECTRICAL HANDHOLE
CO	=	FIRE HYDRANT
CO	=	IRRIGATION VALVE
CO	=	LIGHT POLE
CO	=	MAIL BOX
CO	=	MANHOLE
CO	=	POWER POLE
CO	=	SET 5/8" REBAR & CAP (LB 2389)
CO	=	SET CONCRETE MONUMENT (PRM LB 2389)
CO	=	SET NAIL & DISK (PRM LB 2389)
CO	=	SET SPIKE
CO	=	SHRUB
CO	=	SIGN
CO	=	TELEPHONE RISER
CO	=	CABLE TELEVISION RISER
CO	=	WATER METER
CO	=	ELEVATION CONTOUR LINE
CO	=	FENCE LINE
CO	=	OVERHEAD GUY WIRE
CO	=	OVERHEAD POWER LINE
CO	=	OVERHEAD TELEPHONE LINE
CO	=	OVERHEAD TELEVISION LINE
CO	=	SANITARY SEWER LINE
CO	=	UNDERGROUND ELECTRIC LINE
CO	=	UNDERGROUND GAS LINE
CO	=	UNDERGROUND TELEPHONE LINE
CO	=	UNDERGROUND CABLE TELEVISION LINE
CO	=	UNDERGROUND WATER LINE
CO	=	SPOT ELEVATION

TREE LEGEND

THE ONLY TREES LOCATED FOR THIS SURVEY WERE HARDWOODS 8" AND GREATER AND PINES 12" AND GREATER (DIAMETER MEASURED AT BREAST HEIGHT)

LOCATION	SIZE/COMMON NAME
•	10" BAY
•	11" CHINABERRY
•	11" CEDAR
•	12" CHERRY
•	10" CHINESE TALLOW
•	11" HICKORY
•	12" LAUREL OAK
•	15" LIVE OAK
•	12" MULBERRY
•	18" MAGNOLIA
•	18" PALM
•	14" PINE
•	9" POST OAK
•	11" SUGARBERRY
•	17" SWEETGUM
•	10" TURKEY OAK
•	18" UNIDENTIFIED TREE
•	14" WATER OAK

LEGEND

	TREE BARRICADE
	SILT FENCE
	EXISTING FEATURES TO BE REMOVED (TBR)
	LIMITS OF EXISTING ASPHALT PAVEMENT, CONCRETE AND/OR BUILDING TO BE REMOVED
	LIMITS OF ASPHALT PAVEMENT
	LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS
	PEDESTRIAN WALKWAY
	EXISTING TREE TO REMAIN
	EXISTING TREE TO BE REMOVED
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	PROPOSED CONTOUR ELEVATION
	EXISTING CONTOUR ELEVATION

PROPOSED UTILITY SYMBOLS

	WM	WATER MAIN, PROPOSED
	WM	WATER MAIN, EXISTING
	WW	WASTEWATER GRAVITY MAIN, PROPOSED
		PLUG END AND CAP
		BLOW-OFF ASSEMBLY
		GATE VALVE & BOX
		BUTTERFLY VALVE
		PLUG VALVE
		SWING CHECK VALVE
		BACK FLOW PREVENTER
		REDUCED PRESSURE ZONE BFP
		DOUBLE CHECK BFP
		DUAL CHECK VALVE
		AIR RELEASE VALVE
		REDUCER FITTING
		PRESSURE REGULATOR
		POST INDICATOR VALVE
		CLEAN OUT OR ROOF DRAIN LATERAL
		FITTING W/ THRUST BLOCK
		FIRE HYDRANT W/ THRUST BLOCK
		FIRE HYDRANT ASSEMBLY
		POTABLE WATER METER
		SINGLE SERVICE WATER METER
		DUAL SERVICE WATER METER
		GANG WATER METER ASSEMBLY
	TX	ELECTRIC TRANSFORMER
		RECLAIMED WATER METER ASSEMBLY
	RCW	RECLAIMED WATER MAIN, PROPOSED
	RCW	PLUG END AND CAP
	RCW	BLOW-OFF ASSEMBLY
	RCW	GATE VALVE & BOX
	RCW	REDUCER FITTING
	FM	WASTEWATER (PRESSURE) MAIN, PROPOSED
	SS	SANITARY SEWER MAIN, PROPOSED
	SS	SANITARY SEWER MAIN, EXISTING
	SS	SANITARY SEWER MANHOLE, PROPOSED
	SS	SANITARY SEWER MANHOLE, EXISTING
		SANITARY SEWER PLUG
		PLUG VALVE
		SEWER LATERAL, SINGLE SERVICE
		GATE VALVE
		CHECK VALVE
	A. R.	AIR RELEASE VALVE

GENERAL NOTES

- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES, AFFECTING THIS WORK, PRIOR TO CONSTRUCTION.
- PRIOR TO THE INITIATION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ANY EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, CABLE TV, COMMUNICATIONS, SANITARY SEWERS AND STORM DRAINAGE SYSTEMS, ON AND/OR ADJACENT TO THE SITE. REMOVE OR CAP AS NECESSARY. CONTACT ENGINEER OF RECORD IMMEDIATELY WITH ANY DISCREPANCIES.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR OR SUB-CONTRACTORS, AS CALLED FOR IN THESE CONTRACT DOCUMENTS.
- CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES FOR THE RELOCATION OF EXISTING UTILITIES. UTILITIES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION, AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF THE WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTION/REQUIREMENTS.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ON ALL PRECAST AND MANUFACTURED ITEMS, TO THE OWNER'S ENGINEER FOR REVIEW. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- SAFETY:
  - DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HER PERSONNEL.
  - LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA.
  - THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS" SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND CONSTRUCTION PERSONNEL FROM HAZARDS WITHIN THE PROJECT LIMITS.
  - ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION.
  - ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT". THE CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS.
  - IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS.
- ALL UNDERGROUND UTILITIES MUST BE IN-PLACE, TESTED AND INSPECTED PRIOR TO BASE AND SURFACE CONSTRUCTION.
- CONTRACTOR IS REQUIRED TO SECURE A FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES) PERMIT BEFORE BEGINNING CONSTRUCTION.
- A COMPLETE SET OF PERMITTED DRAWINGS AND SPECIFICATIONS MUST BE MAINTAINED ON SITE AT ALL TIMES THAT THE CONTRACTOR IS PERFORMING WORK. THESE DRAWINGS SHALL BE MADE AVAILABLE UPON REQUEST.
- ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH THE DISTURBANCE OF THE LAND AND SHALL REMAIN FUNCTIONAL UNTIL THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED. SILT BARRIERS WILL BE INSTALLED AS NECESSARY TO PREVENT EXCESSIVE SEDIMENTATION OF DOWNSTREAM AREAS.
- COUNTY: ALL WORK WITHIN OR ON COUNTY OWNED AND MAINTAINED FACILITIES, ROW OR EASEMENTS WILL REQUIRE AS-BUILT PLANS. AS-BUILT PLANS SHOULD SHOW THE CONSTRUCTED CONDITIONS OF THE COUNTY OWNED OR MAINTAINED AREA AND BE PERFORMED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER. THE COORDINATE SYSTEM SHALL BE FLORIDA STATE PLANE COORDINATES, NAD 83 ZONE NORTH US SURVEY FEET. VERTICAL COORDINATES SHALL BE REFERENCED TO THE NAVD 88 DATUM WITH ELEVATIONS GIVEN IN US SURVEY FEET.
- THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES, GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

DEMOLITION NOTES

- ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
- REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE, UNLESS OTHERWISE NOTED. ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
- THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN FOR DEMOLITION / PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED. IF PART OF THE CONTRACT, TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
- CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
- CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. CLOSURE OF THESE FACILITIES MAY REQUIRE A WRITTEN ORDER OF TRAFFIC PLAN PREPARED BY A REGISTERED PROFESSIONAL AT THE CONTRACTORS EXPENSE.
- PROVIDE PROTECTION AS NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS SHOWN IN THE PLANS TO REMAIN.
- LOCATE EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES IN AREAS OF WORK. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING DEMOLITION AND CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES FOR THE TERMINATION, CAPPING-OFF AND REMOVAL OF ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITY SERVICES UNLESS DIRECTED TO OTHERWISE.
- CALL 811 BEFORE DIGGING AND LOCATE AND PROTECT GRU GAS FACILITIES. MAINTAIN A MINIMUM COVER OF 36" OVER GRU GAS MAIN DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- PLEASE INDICATE VIA PROJECT DOX IF THE CUSTOMER DESIRES G.R.U. GAS SERVICE FOR THIS PROJECT, AS WELL AS CONTACTING G.R.U. GAS MARKETING AT 352.393.1467 AS SOON AS POSSIBLE.

CONSTRUCTION NOTES

- SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION'S ROADWAY AND TRAFFIC DESIGN STANDARDS/INDEXES 600 THROUGH 685 (LATEST EDITIONS).
- SAFE PEDESTRIAN TRAFFIC IS TO BE MAINTAINED AT ALL TIMES.
- ANY SIDEWALK WHICH BECOMES UNDERMINED MUST BE REMOVED AND REPLACED. SIDEWALKS ARE TO BE RECONSTRUCTED WITHIN THREE (3) DAYS AFTER REMOVAL. WHEN EXISTING SIDEWALK IS REMOVED, IT IS TO BE REMOVED TO THE NEAREST JOINT.
- DISTURBED AREA WITHIN THE R-O-W WILL BE COMPACTED TO 98% OF MAXIMUM DENSITY AND SODDED.
- STOCKPILING OF MATERIAL IS NOT ALLOWED ON ROADWAYS OR SIDEWALKS. ALL DIRT AND DEBRIS WILL BE REMOVED FROM JOB SITE DAILY. ROADS AND SIDEWALKS ARE TO BE SWEEP DAILY AS PART OF DAILY CLEANUP.
- ANY PORTION OF ROADWAYS OR SIDEWALKS THAT SUSTAIN EXCESSIVE CONSTRUCTION RELATED DAMAGE, IN THE OPINION OF APPLICABLE AGENCIES, SHALL BE REPAIRED AT CONTRACTOR EXPENSE IN A MANNER SPECIFIED BY THAT PARTICULAR AGENCY.
- CONSTRUCTION MUST BE PER THE APPROVED SITE PLAN OF THE DRC (OR EQUIVALENT). DEVIATIONS IN ROADWAY, UTILITY OR DRAINAGE CONSTRUCTION WILL REQUIRE PRIOR WRITTEN APPROVAL OF THE COUNTY ENGINEER OR THE DIRECTOR OF PUBLIC SERVICES (OR EQUIVALENT). NOTE: SIGNIFICANT CHANGES FROM THE DRC APPROVED PLAN MAY REQUIRE THE OWNER/DEVELOPER TO SUBMIT A REVISED SITE PLAN FOR REVIEW THROUGH THE DRC AND MAY CAUSE PROJECT DELAYS.
- OFF-SITE OR ROADWAY R-O-W CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CONDITIONS OF THE APPROVED R-O-W PERMIT(S). A COPY OF THE APPROVED R-O-W PERMIT MUST BE KEPT ON-SITE AND READILY AVAILABLE DURING ALL CONSTRUCTION ACTIVITIES WITHIN THE R-O-W.
- DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HER PERSONNEL.
- ALL CONSTRUCTION, MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS AND STANDARDS.
- CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS BEFORE STARTING CONSTRUCTION.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTOR'S RESPONSIBILITY. BOTH PAPER AND AUTOCAD FILES SHALL BE PROVIDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER AND ENGINEER OF RECORD FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. BOTH PAPER AND AUTOCAD SHALL BE PROVIDED.

EROSION CONTROL NOTES

- THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THE EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS, THE SWPPP, PLUS THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOATATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER RUNOFF.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS PRACTICABLE.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM DRAINS-ON IN CONNECTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN BY THE CONTRACTOR AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STABILIZATION, SEDIMENT BASINS, ETC.) AS NEEDED FOR EACH STAGE OF SITE WORK / GRADING.
- NO GRADING, CUTTING, OR FILLING SHALL COMMENCE UNTIL SUCH TIME AS APPROPRIATE EROSION AND SEDIMENTATION CONTROL DEVICES HAVE BEEN INSTALLED BETWEEN ALL DISTURBED AREAS AND WATER BODIES, WATERCOURSES OR WETLANDS AND ANY CONVEYANCES SUCH AS DRAINAGE DITCHES, STORM DRAINS, AND INLETS.
- ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRECEEDING ANY DISTURBANCE OF THE LAND AND SHALL REMAIN FUNCTIONAL UNTIL THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED. THE CONTRACTOR SHALL INSTALL ALL EROSION AND PREVENTION STRUCTURES SHOWN ON THE PLANS AT A MINIMUM AND IN FULL CONFORMANCE WITH ALL APPLICABLE WATER MANAGEMENT DISTRICT PERMITS AND REGULATIONS.
- ALL CONTROL STRUCTURE AND OUTFALL CULVERT INSTALLATIONS SHALL BE PROTECTED WITH SEDIMENT BARRIERS AT A MINIMUM.
- ALL DISTURBED AREAS (ABOVE NORMAL WATER LEVELS) UNLESS OTHERWISE NOTED HEREIN, SHALL BE SEED AND MULCHED WITHIN 7 DAYS OF FINAL GRADING. UNLESS OTHERWISE NOTED, ALL SLOPES STEEPER THAN 4:1 SHALL BE SODDED.

PAVING, GRADING, AND DRAINAGE NOTES

- TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.
- THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.
- THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTACT ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHIELDING OR SHORING AS NECESSARY. DE-WATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.
- DISTURBED AREAS WITHIN ONE WEEK FOLLOWING COMPLETION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR TO COORDINATE WITH OWNER REGARDING TYPE OF MATERIAL, LANDSCAPING AND IRRIGATION IMPROVEMENTS TO FOLLOW.
- SITE GRADING, PAVING AND DRAINAGE MATERIALS AND CONSTRUCTION SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- IMMEDIATELY AT ONSET OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES CRITICAL TO COMPLETING THE PROJECT (INCLUDING WATER, SEWER, POWER, TELEPHONE, GAS, AND CABLE TV) AND SHALL EVALUATE POTENTIAL CONFLICTS. ALL SUCH CONFLICTS SHALL BE REPORTED TO ENGINEER/OWNER IMMEDIATELY UPON DISCOVERY.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD STAKE AND ROPE OFF CONSERVATION AREA LINES. OWNER RESERVES THE RIGHTS TO CHECK THE STAKING AND ROPEING AND REQUIRE THE SITE TO BE RELOCATED IF NECESSARY. IT SHALL REMAIN IN PLACE UNTIL ADJACENT CONSTRUCTION IS COMPLETE.
- CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN IN THE PLANS OR DESIGNATED IN THE FIELD.
- ALL SIGNAGE, PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS AND FHWA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- REGULATORY SIGNS (STOP, ETC.) SHALL BE PAID FOR BY THE CONTRACTOR AND IN PLACE PRIOR TO FINAL INSPECTION OF PAVING AND DRAINAGE IMPROVEMENTS.
- BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED OPPOSITE FIRE HYDRANTS IN THE CENTER OF THE NEAREST TRAVELED LANE TO MARK THEIR LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENTS TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHOULD AREAS OF POOR DRAINAGE BE OBSERVED, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PLACEMENT OF CURBS OR PAVEMENT COURSES, SO THAT RECOMMENDATIONS FOR CORRECTION MAY BE MADE.
- PROPOSED AND EXISTING SIDEWALKS SHALL BE RAMPED FLUSH WITH PAVEMENT. RAMPS SHALL NOT EXCEED SLOPES OF 12 HORIZONTAL TO 1 VERTICAL.
- FINISHED FLOOR ELEVATIONS ARE MINIMUM ELEVATIONS REQUIRED TO SATISFY DRAINAGE AND/OR 100-FLOODPLAIN REQUIREMENTS. PAD ELEVATIONS, IMMEDIATELY OUTSIDE OF BUILDING WALLS, SHALL BE NO MORE THAN 8 INCHES BELOW THE FINISHED FLOOR ELEVATIONS SHOWN.
- CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND DISPOSING ALL WASTE MATERIALS CONSISTENT WITH ALL RULES AND REGULATIONS APPLICABLE TO THE SPECIFIC MATERIAL FOUND. ALL DELETERIOUS SUBSURFACE MATERIAL (E. G. MUCK, PEAT, BURIED DEBRIS, ETC.) IS TO BE EXCAVATED AND REMOVED FROM THE SITE. SUITABLE/COMPACTED SOILS, AS DIRECTED BY THE OWNER, THE OWNERS ENGINEERS, OR OWNERS SOILS TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.
- ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE OWNER'S SOILS TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS.
- PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT, SIDEWALK, OR GROUND SURFACE GRADES, UNLESS OTHERWISE NOTED.
- CURBING SHALL BE PLACED AT THE EDGES OF ALL PAVEMENT, UNLESS OTHERWISE NOTED. REFER TO THE LATEST EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS" FOR DETAILS AND SPECIFICATIONS OF ALL FDOT TYPE CURB AND GUTTERS CALLED FOR IN THESE PLANS.
- THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION.
- UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINES.
- SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A REGISTERED LAND SURVEYOR. ALL SURVEY COSTS WILL BE CONTRACTORS RESPONSIBILITY.
- FINAL GRADES SHOWN INCLUDE SOD HEIGHT. ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS.
- IF WORK IS SUSPENDED OR DELAYED FOR 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREAS AT NO ADDITIONAL COST TO THE OWNER.
- STORM DRAINS SHALL BE REINFORCED CONCRETE PIPE, PER ASTM C-76 CLASS III, UNLESS OTHERWISE SPECIFIED. LIFTING HOLES ARE PROHIBITED.
- ALL STORM STRUCTURES SHALL CONFORM WITH FDOT STANDARD INDEX DRAWINGS AND SPECIFICATIONS EXCEPT THAT DITCH BOTTOM INLETS IN PAVED AREAS SHALL HAVE TRAVERSABLE, TRAFFIC BEARING, GRATES SUPPORTED BY STEEL ANGLE SEATS OR SUPPORTED ON FOUR SIDES. GRATES SHALL BE CAST IRON UNLESS OTHERWISE SPECIFIED OR APPROVED.
- ALL CONCRETE CURBS, SIDEWALKS, INLET TOPS, ETC. SHALL BE 3000 PSI MINIMUM, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SOILS ENGINEER. TESTS WILL BE REQUIRED PURSUANT WITH THE SOILS REPORT. UPON COMPLETION OF WORK THE SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO THE OWNER AND OWNER'S ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET.
- A QUALIFIED TESTING LABORATORY SHALL PERFORM ALL TESTING NECESSARY TO ASSURE COMPLIANCE OF THE IN-PLACE MATERIALS AS REQUIRED BY THESE PLANS. THE VARIOUS AGENCIES AND PERMIT CONDITIONS SHOULD ANY RETESTING BE REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET THE REQUIREMENTS, THE CONTRACTOR WILL BEAR ALL COSTS OF SAID RETESTING.
- THE STORM DRAINAGE PIPING SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION.
- THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC. THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE RE-INSPECTED BY THE OWNER'S ENGINEER PRIOR TO APPROVAL FOR CERTIFICATE OF OCCUPANCY PURPOSES. THE CONTRACTOR MAY BE REQUIRED TO RE-CLEAN PIPES AND INLETS FOR THESE PURPOSES.

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Claudia S. Vega, P.E.	51532
Engineer	Certificate No.

Project No: 20-033

Project phase:

COUNTY SUBMITTAL

Project title:

NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title:

LEGEND, SYMBOLS AND NOTES

Designed: CSV    Sheet No.:

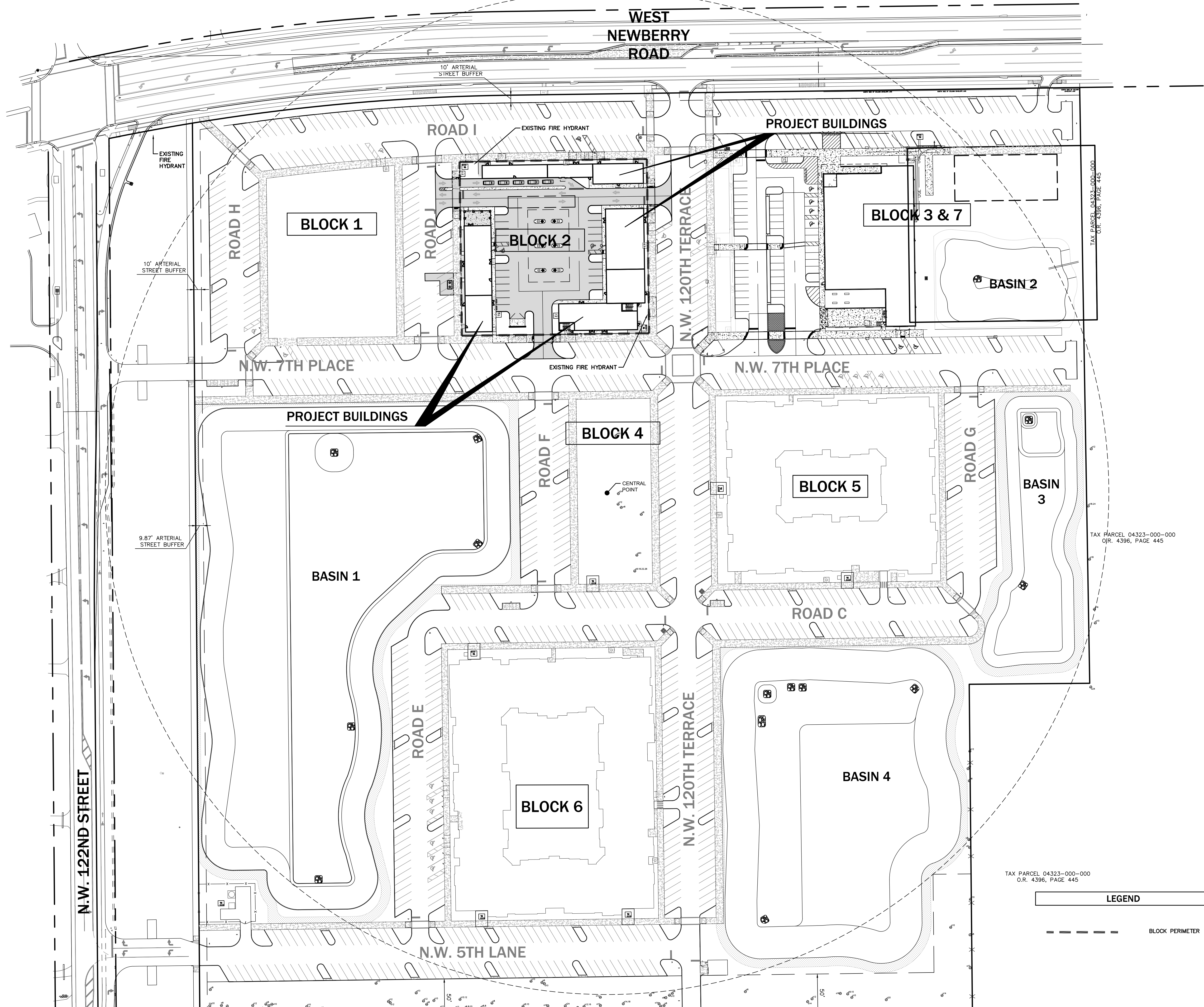
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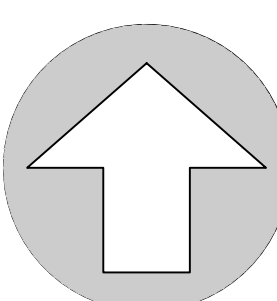
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**NORTH**

SCALE: 1" = 60'



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Engineer Certificate No.

Project No: 20-033

Project phase: COUNTY SUBMITTAL

Project title:  
NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title:  
OVERALL DEVELOPMENT PLAN

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1. DENSITY

	ALLOWABLE RESIDENTIAL DENSITY		PROVIDED RESIDENTIAL DENSITY
VILLAGE CENTER	MIN.	4 DU/AC	300 UNITS / 30.97 AC = 9.70 DU/AC
	MAX.	MINIMUM +8 DU/AC = 12.00 DU/AC	
TRANSIT SUPPORTIVE AREA (OUTSIDE VILLAGE CENTER)	MIN.	4 DU/AC	N/A
	MAX.	MINIMUM +6 DU/AC	
OUTSIDE TRANSIT SUPPORTIVE AREA	CONSISTENT WITH UNDERLYING FUTURE LAND USE		N/A

RESPONSE: THE FINAL DEVELOPMENT PROPOSED 300 RESIDENTIAL UNITS FOR A DENSITY OF 9.70 DU/AC MEETING THE REQUIREMENTS OF THE ULDC TABLE 407.64.1.

2. INTENSITY

	PERMITTED MAXIMUM NON-RESIDENTIAL INTENSITY	PROPOSED MAXIMUM NON-RESIDENTIAL INTENSITY
BASE SQUARE FOOTAGE	10,000 S.F.	10,000 S.F.
MAX. SQUARE FOOTAGE PER DWELLING UNIT	200 S.F./DU X 300 DU = 60,000 S.F.	60,000 S.F.
THE PROPOSED DENSITY OF 9.7 DU/AC EXCEEDS THE MAX. ALLOWED OF 4 DU/AC	ADDITIONAL 10,000 S.F.	10,000 S.F.
10,000 SF FOR EACH UNIT ABOVE 100% OF THE LAND USE OF LOW DENSITY ADU/AC	9.7 DU/AC (5 DU X 10,000) = 50,000 S.F.	50,000 S.F.
CONTINUOUS TO RAPID TRANSIT OR EXPRESS TRANSIT CORRIDOR	ADDITIONAL 25,000 S.F.	20,000 S.F.
TOTAL SQUARE FOOTAGE	155,000 S.F.	150,000 S.F.

NOTE: (1) THE TABLE ABOVE MEETS THE REQUIREMENTS OF INTENSITY PER ULDC 407.64 2 THE PROJECT PROPOSES 150,000 S.F. OF NON-RESIDENTIAL USES.

3. MIX OF USES FOR VILLAGE CENTER AND TRANSIT SUPPORTIVE AREA - ULDC 407.66 (c)

REQUIRED: 1. A MINIMUM OF 50% OF NON-RESIDENTIAL SQUARE FOOTAGE SHALL BE PROVIDED WITHIN THE VILLAGE CENTER.  
2. A MAXIMUM OF 50% OF NON-RESIDENTIAL USES ALLOWED MAY BE LOCATED OUTSIDE THE VILLAGE CENTER AND WITHIN THE TRANSIT SUPPORTIVE AREA.  
3. A MINIMUM OF 25% OF THE TOTAL APPROVED NON-RESIDENTIAL SQUARE FOOTAGE MUST BE IN A MULTI-STORY BUILDING CONTAINING MULTIPLE USES.

PROPOSED: 1. ALL PROPOSED NON-RESIDENTIAL SQUARE FOOTAGE IS WITHIN THE VILLAGE CENTER.  
2. THE ENTIRE PROJECT WILL BE LOCATED WITHIN THE LIMITS OF THE VILLAGE CENTER. NO TRANSIT SUPPORTIVE AREA IS PROPOSED.  
3. THE DEVELOPMENT WILL PROVIDE A MINIMUM OF 25% OF THE ACTUAL BUILT NON-RESIDENTIAL SQUARE FOOTAGE IN MULTI-STORY BUILDINGS WITH MULTIPLE USES, PARTIALLY MET WITH PROPOSED BLOCK 2 IMPROVEMENTS. TO DATE, THE PROJECT INCLUDES MULTI-STORY & MULTI-USE BUILDINGS WITHIN BLOCK 1 (NORTHERN BLDG - OFFICE & DAYCARE - 11,600 S.F.) AND BLOCK 2 (CONVENIENCE STORE/RETAIL/OFFICE - 13,055 S.F.) FOR A TOTAL OF 24,655 S.F., WHICH IS 38% OF THE TOTAL APPROVED NON-RESIDENTIAL S.F. (63,254) AT THIS TIME.

4. PHASING SCHEDULE

	PHASE 1	PHASE 2
1. VILLAGE CENTER ACREAGE	30.97 ACRES	30.97 ACRES
2. RESIDENTIAL UNITS (MULTI-FAMILY)	300	0
3. NON-RESIDENTIAL USES	7,889 S.F. (BLOCK 1)	BLOCK 3 ALDI: 24,064 S.F. BLOCK 2: 19,701 S.F. BLOCK 1: 11,600 S.F. REMAINING: 86,746 S.F. (MAXIMUM)

RESPONSE: THE PROPOSED PROJECT SHALL BE CONSTRUCTED IN TWO PHASES.

PHASE I IS COMPLETE WITH 300 RESIDENTIAL UNITS CONSTRUCTED AND 7,889 S.F. OF NON-RESIDENTIAL CONSTRUCTED. THE PROPOSED FINAL DEVELOPMENT PLAN WITHIN PHASE II PROPOSED AT THIS TIME PROPOSES 19,303 S.F. OF NON-RESIDENTIAL USES IN BLOCK 2, WHICH IS CONSISTENT WITH THE OVERALL PHASE II PROGRESS IN THE TND. SEE RESPONSE FOR ITEM #3 ABOVE FOR UPDATE ON VERTICAL MIXED-USE REQUIREMENTS

5. GENERAL DEVELOPMENT DATA

ITEM	ACRES	% OF TOTAL
TOTAL PROJECT AREA	30.97 ACRES	100.00%
VILLAGE CENTER	30.97 ACRES	100.00%
COMMUNITY GREEN SPACES	0.00 ACRES	0.00%
BUFFERS	2.00 ACRES	6.46%
EXISTING EASEMENT	0.00 ACRES	0.00%
STORMWATER MANAGEMENT AREAS	9.74 ACRES	31.50%
ROAD AREAS	10.56 ACRES	34.10%
PEDESTRIAN ACCESS CORRIDOR	0.00 ACRES	0.00%
BLOCK AREAS	8.89 ACRES	28.70%

6. DIMENSIONAL REQUIREMENTS

VILLAGE CENTER DIMENSIONAL STANDARDS (PER ULDC TABLE 407.66.1)

STANDARDS	PERMITTED NON-RESIDENTIAL, MIXED USE OR MULTI-FAMILY	PROVIDED NON-RESIDENTIAL, MIXED USE OR MULTI-FAMILY
BUILD TO LINE (FT) <sup>1</sup>	15 - 20	15 - 20
HEIGHT, MIN (STORIES)	1 <sup>2</sup>	1 <sup>2</sup>
HEIGHT, MAX (STORIES)	8	4 (2) <sup>3</sup>
SINGLE TENANT BUILDING FOOTPRINT, MAX (S.F.)	50,000 <sup>4</sup>	5,780

1. THE BUILD-TO LINE SHALL BE ESTABLISHED FROM THE BACK OF CURB OF A PUBLIC OR PRIVATE STREET.
2. IF ONLY 1 STORY, BUILDING FACADE SHALL USE ARCHITECTURAL FEATURES TO ENHANCE THE VERTICAL SCALE OF THE BUILDING.
3. TWO STORY BUILDING HEIGHT IS APPLIED AS A MAXIMUM ALONG THE SOUTHERN PORTION OF THE PROJECT (IDENTIFIED ON THE MASTER DIMENSION PLAN SHEET C2.00).
4. EXCEPT AS PERMITTED BY SECTION 407.66(D)2.

RESPONSE: SEE SHEET C2.00 MASTER DIMENSION PLAN AND C2.06-C2.15 BLOCK DIMENSION PLANS FOR BUILDING LOCATIONS AND REQUIRED SETBACKS. ALL THE PROPOSED NON-RESIDENTIAL BUILDINGS MEET THE MINIMUM AND/OR MAXIMUM REQUIRED BUILD TO LINE, MINIMUM HEIGHT AND MAXIMUM SINGLE TENANT BUILDING FOOTPRINT.

7. BLOCK PERIMETER REQUIREMENTS

REQUIRED (ULDC TABLE 407.68.1):

LOCATION	MAXIMUM BLOCK PERIMETER (FT)		PROVIDED (FT)
	STANDARD	EXTENDED	
BLOCK 1	1,300	2,000	853
BLOCK 2	1,300	2,000	951
BLOCKS 3 & 7	1,300	2,000	1,426
BLOCK 4	1,300	2,000	761
BLOCK 5	1,300	2,000	1,146
BLOCK 6	1,300	2,000	1,324*

RESPONSE: ALL THE PROPOSED BLOCKS MEET THE STANDARD MAXIMUM BLOCK PERIMETER ALLOWED PER ULDC TABLE 407.68.1.

\* A LETTER OF ALTERNATE COMPLIANCE REQUEST WAS APPROVED TO EXTEND THIS BLOCK.

8. TND CONDITIONS

1. IMPROVEMENTS SHOWN IN THE STATE ROAD 26 & NORTHWEST 122ND RIGHTS-OF-WAY ARE CONCEPTUAL. FINAL LANE CONFIGURATIONS WILL BE DETERMINED DURING FINAL DEVELOPMENT PLAN REVIEW SUBJECT TO A FULL AND COMPLETE OPERATIONAL ANALYSIS.

RESPONSE: NO ROW MODIFICATIONS ARE PROPOSED AS PART OF THIS PHASE.

2. OFF-STREET PARKING ON THE SOUTHERN PORTION OF BLOCK VC7 SHALL BE DESIGNED TO ENSURE CONSISTENCY WITH ULDC REQUIREMENTS FOR DESIGN OF BLOCKS. SPECIFIC LOCATION OF OFF-STREET PARKING SHALL BE DETERMINED DURING FINAL DEVELOPMENT PLAN REVIEW.

RESPONSE: THIS PHASE IS NOT LOCATED WITHIN THIS BLOCK.

3. THE APPLICANT IS REQUIRED TO PLACE A FENCE ON THE SOUTHERN PROPERTY LINE WITH STUB OUT TO REMAIN OPEN ON THE DEVELOPER PROPERTY.

RESPONSE: THIS PHASE IS NOT LOCATED ALONG THE SOUTHERN PROPERTY LINE.

9. TRIP GENERATION

ITE LAND USE: 822 Strip Retail Plaza (<40k)							
PROPOSED: Retail Spaces (8,513 SF)							
8513	UNIT: 1000 SF GFA						
				TRIP DISTRBUTION		PROJECTED TRIPS	
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT
AM	7.60	8.51	64.70	50%	50%	32.35	32.35
PM	13.24	8.51	112.71	54%	46%	60.86	51.85
AVG	54.45	8.51	463.53	50%	50%	231.77	231.77
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 229-233							

ITE LAND USE: 945 Convenience Store/Gas Station - VFP (9-15)							
PROPOSED: Convenience Store and Gas Pumps (3,950 SF)							
3950	UNIT: 1000 SF GFA						
				TRIP DISTRBUTION		PROJECTED TRIPS	
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT
AM	57.56	3.95	227.36	50%	50%	113.68	113.68
PM	56.38	3.95	222.70	50%	50%	111.35	111.35
AVG	700.43	3.95	2766.70	50%	50%	1383.35	1383.35
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 892-896							

ITE LAND USE: 937 Coffee/Donut Shop with Drive-Through Window							
PROPOSED: Coffee Shop (990 SF)							
990	UNIT: 1000 SF GFA						
				TRIP DISTRBUTION		PROJECTED TRIPS	
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT
AM	101.27	0.99	100.26	50%	50%	50.13	50.13
PM	43.65	0.99	43.21	50%	50%	21.61	21.61
AVG	533.57	0.99	528.23	50%	50%	264.12	264.12
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 776-778							

ITE LAND USE: 899 Liquor Store							
PROPOSED: Liquor Store (2,250 SF)							
2250	UNIT: 1000 SF GFA						
				TRIP DISTRBUTION		PROJECTED TRIPS	
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT
AM	5.08	2.25	11.43	0.51	0.49	5.83	5.60
PM	17.00	2.25	38.25	0.50	0.50	19.13	19.13
AVG	107.21	2.25	241.22	0.50	0.50	120.61	120.61
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 582-586							

10. PARKING (PROPOSED PHASE)

I. CRITERIA: OFF-STREET PARKING IS NOT REQUIRED FOR THE TND WHERE MEETING STANDARDS IN TABLE 407.68(C)	
MAXIMUM NUMBER OF OFF-STREET PARKING SPACES	
a. NON-RESIDENTIAL:	3 PER 1,000 SF OF GROSS FLOOR AREA
b. MULTI-STORY RESIDENTIAL:	0.5 PER 400 SF OF GROSS FLOOR AREA
II. MAXIMUM ALLOWED (OFF-STREET):	
a. NON-RESIDENTIAL: 3/1000 SF	= 3/1,000 SF X 19,711 S.F. = 59 SPACES
III. PARKING PROVIDED:	
= 21 SPACES	
IV. BICYCLE PARKING PROVIDED:	
= 6 BICYCLE RACKS (12 BIKE SPACES)	

ITE LAND USE: 932 High-Turnover (Sit-Down) Restaurant							
PROPOSED: Restaurant (3,600 SF)							
3600	UNIT: 1000 SF GFA						
				TRIP DISTRBUTION		PROJECTED TRIPS	
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT
AM	13.68	3.60	49.25	0.57	0.43	28.07	21.18
PM	16.35	3.60	58.86	0.51	0.49	30.02	28.84
AVG	107.20	3.60	385.92	0.50	0.50	192.96	192.96
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 673-675							

ITE LAND USE: 710 General Office Building							
PROPOSED: Office (6,855 SF)							
6855	UNIT: 1000 SF GFA						
				TRIP DISTRBUTION		PROJECTED TRIPS	
PERIOD	RATE	PER UNIT	TRIPS	ENTER	EXIT	IN	OUT
AM	1.52	6.86	10.42	0.88	0.12	9.17	1.25
PM	1.44	6.86	9.87	0.17	0.83	1.68	8.19
AVG	10.84	6.86	74.31	0.50	0.50	37.15	37.15
SOURCE: ITE TRIP GENERATION, 11TH EDITION, PAGES 709-711							

	AM	PM	AVG
TOTAL PROPOSED	463.42	485.61	4459.92



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SCALES:  
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Professional Engineer of Record:

Claudia S. Vega, P.E. 51532  
Engineer Certificate No.

Project No: 20-033

Project phase: COUNTY SUBMITTAL

Project title:

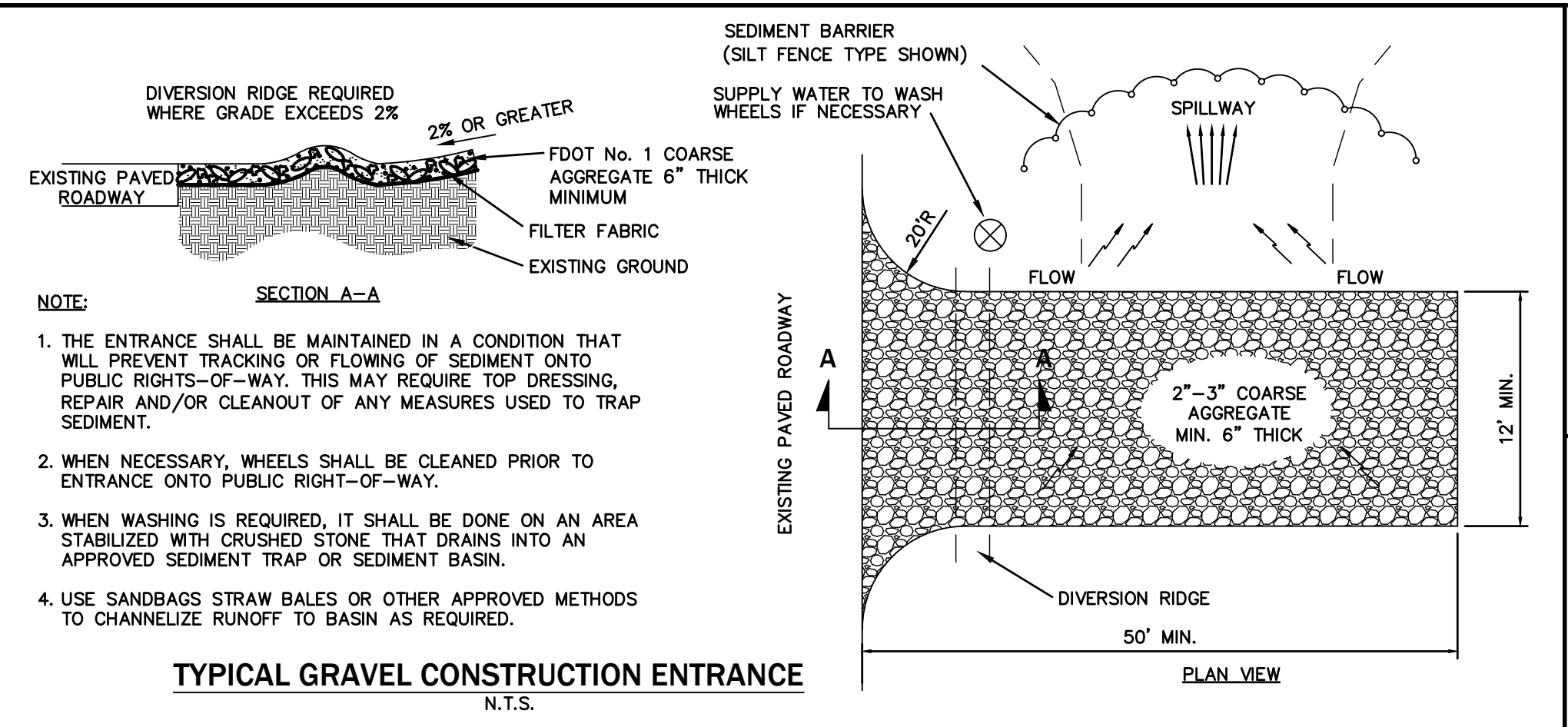
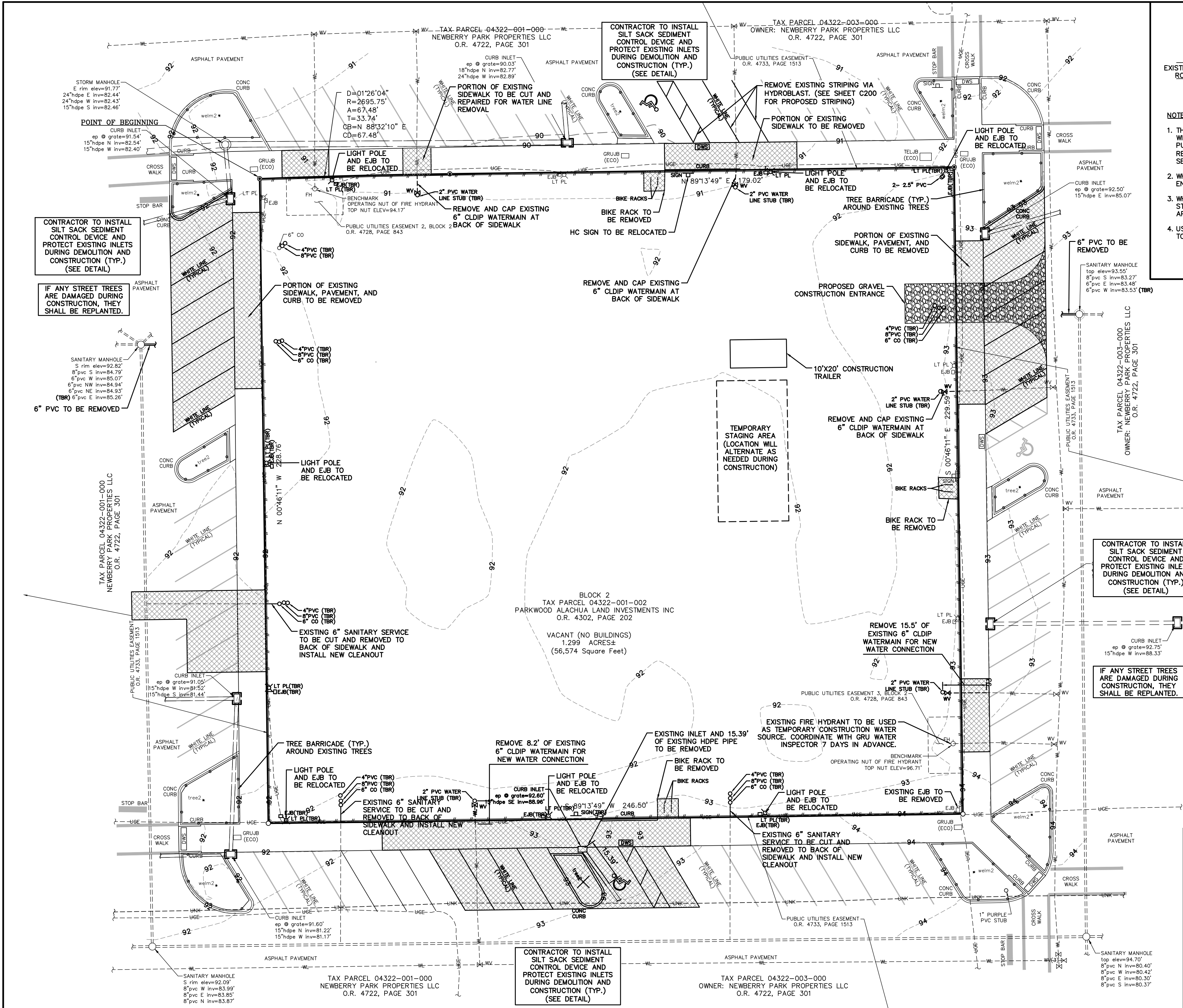
NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title:

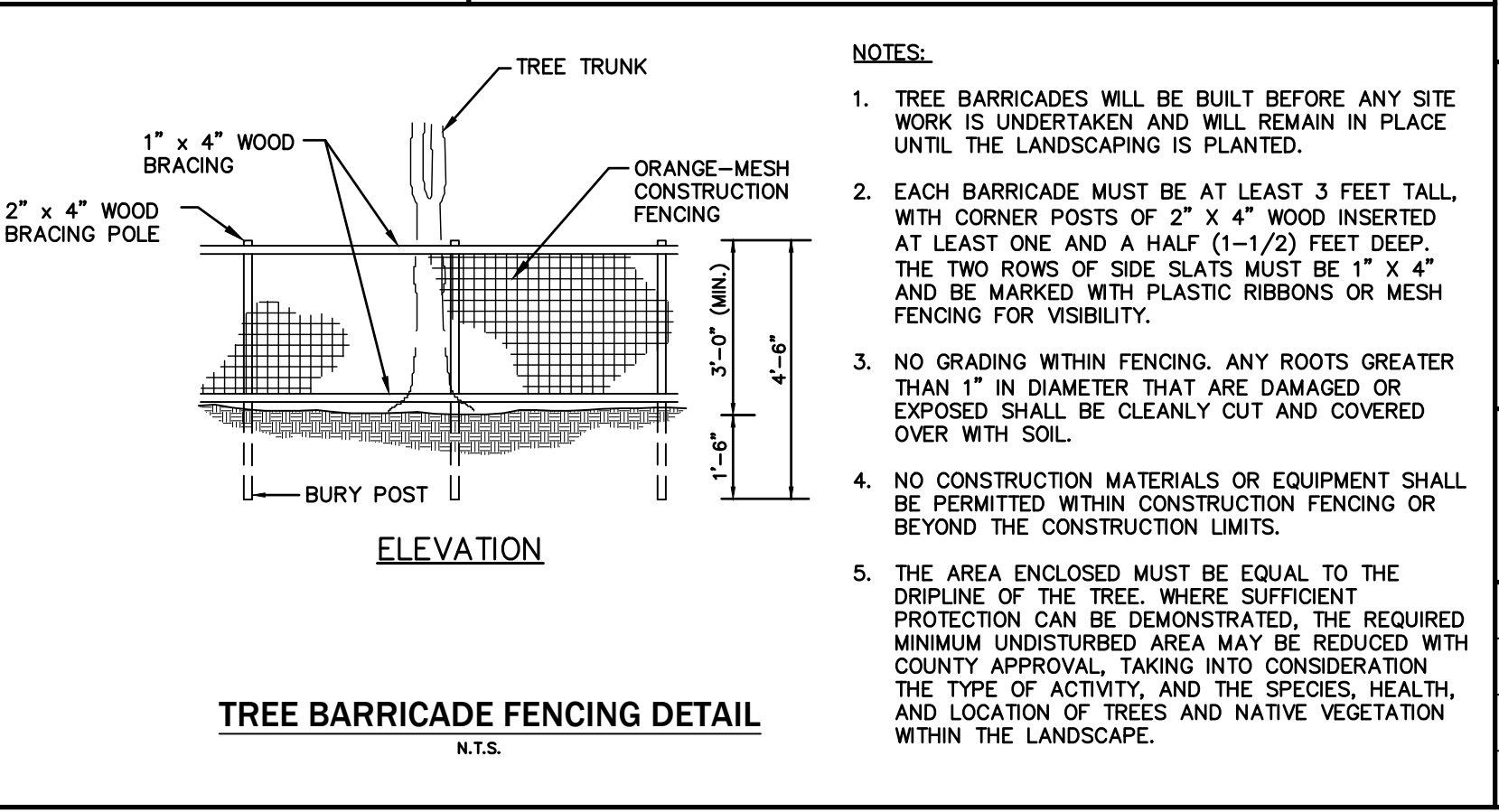
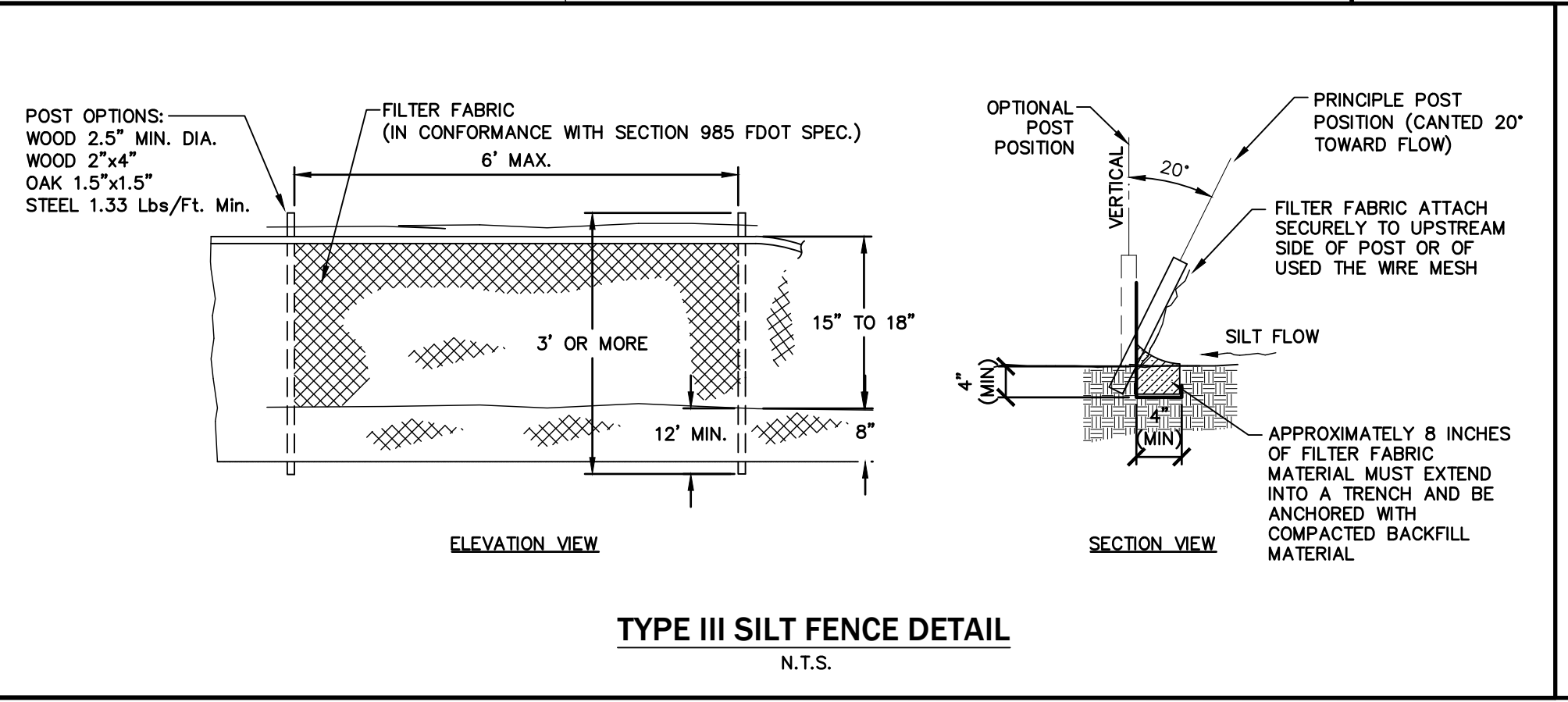
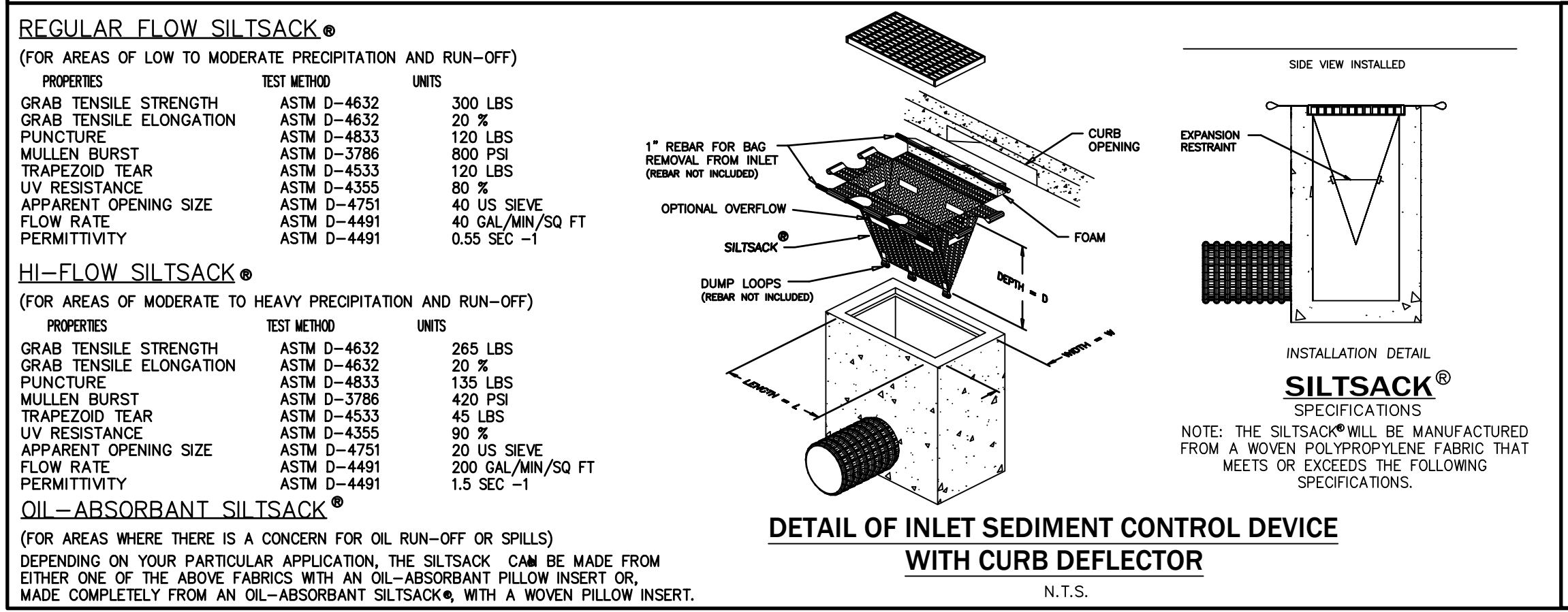
TND CONSISTENCY NOTES

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Checked: TAR	
Date: 04/23/24	

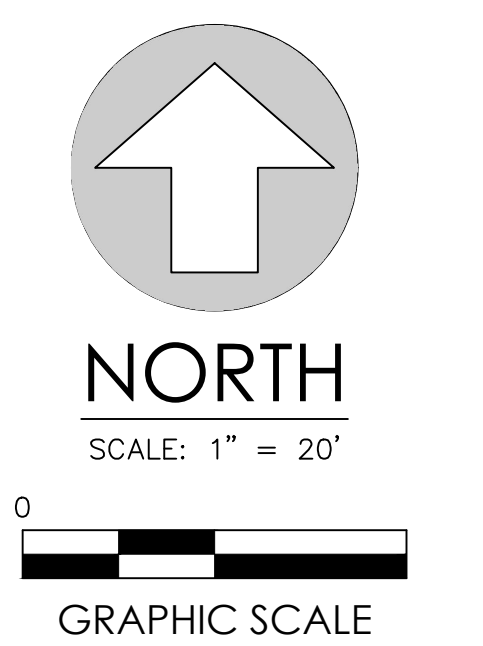




- ### DEMOLITION NOTES
- ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
  - REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
  - THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN FOR DEMOLITION / PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
  - CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
  - CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. CLOSURE OF THESE FACILITIES MAY REQUIRE A MAINTENANCE OF TRAFFIC PLAN PREPARED BY A REGISTERED PROFESSIONAL AT THE CONTRACTOR'S EXPENSE.
  - PROVIDE PROTECTION AS NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS SHOWN IN THE PLANS TO REMAIN.
  - LOCATE EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES IN AREAS OF WORK. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING DEMOLITION AND CONSTRUCTION OPERATIONS.
  - CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES FOR THE TERMINATION, CAPPING OFF AND REMOVAL OF ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITY SERVICES UNLESS DIRECTED TO OTHERWISE.
  - EROSION CONTROLS ARE TO BE INSTALLED AND INSPECTED PRIOR TO BEGINNING DEMOLITION WORK.
  - IN AREAS WHERE PROPOSED CURBING IS TO BE PLACED, THE ASPHALT PAVEMENT SHALL BE REMOVED TO THE FACE OF CURB TO ALLOW PLACEMENT OF 6" STANDARD CONCRETE CURBING.
  - IN AREAS OF PROPOSED LANDSCAPE AREA THE PAVEMENT, LIMEROCK BASE, AND 12" OF THE STABILIZED SUBGRADE SHALL BE REMOVED. COORDINATE WITH LANDSCAPE ARCHITECT TO DETERMINE IF ADDITIONAL REMOVAL IS REQUIRED TO MAKE AREA SUITABLE FOR LANDSCAPE PURPOSES. THE REMOVED LIMEROCK BASE SHALL NOT BE USED IN THE BASE FOR THE NEW PAVEMENT (PER FOOT SECTION 200), BUT THE REMOVED BASE CAN BE USED IN THE STABILIZATION OF SUBGRADE. SEE GRADING PLAN FOR BACKFILL REQUIREMENTS.
  - LOCATE EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES IN AREAS OF WORK. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING DEMOLITION AND CONSTRUCTION OPERATIONS.
  - CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES TO REMAIN AS SHOWN IN THE UTILITY PLAN. ANY EXISTING UTILITIES TO BE REMOVED SHALL BE COORDINATED WITH THE ASSOCIATED UTILITY COMPANY, AND PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
  - SEE ELECTRICAL AND IRRIGATION PLANS FOR COORDINATION OF PAVEMENT CUTS FOR ASSOCIATED CONDUITS.
  - INSTALL TREE BARRICADES PRIOR TO ANY DEMOLITION WORK. CALL ALACHUA COUNTY ARBORIST AT 352-374-5243 EXT. 3503 FOR A BARRICADE INSPECTION PRIOR TO START OF CONSTRUCTION.
  - PRIOR TO BEGINNING ANY UTILITY DEMOLITION WORK THE CONTRACTOR SHALL SUBMIT A DEMOLITION REQUEST WITH A COPY OF THE DEMOLITION PLAN TO GRU NEW SERVICES (352-393-1513 (NEWSERVICES@GRU.COM)) TO COORDINATE ANY DEMOLITION ACTIVITIES AND TEMPORARY SERVICE INTERRUPTIONS. COORDINATE WITH THE APPROPRIATE UTILITY INSPECTOR THROUGH GRU NEW SERVICES 48 HOURS IN ADVANCE OF PERFORMING ANY UTILITY DEMOLITION WORK.
  - CALL 811 BEFORE DIGGING AND LOCATE AND PROTECT G.R.U. GAS MAIN, MAINTAIN 36" MIN. COVER OVER EXISTING G.R.U. GAS MAIN AND FUTURE G.R.U. GAS MAIN AND SERVICES DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.



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Engineer Certificate No.

Project No: 20-033

Project phase: COUNTY SUBMITTAL

Project title: NEWBERRY PARK TRND - BLOCK 2 ALACHUA COUNTY, FLORIDA

Sheet title: DEMOLITION PLAN

Designed: CSV Sheet No: C140

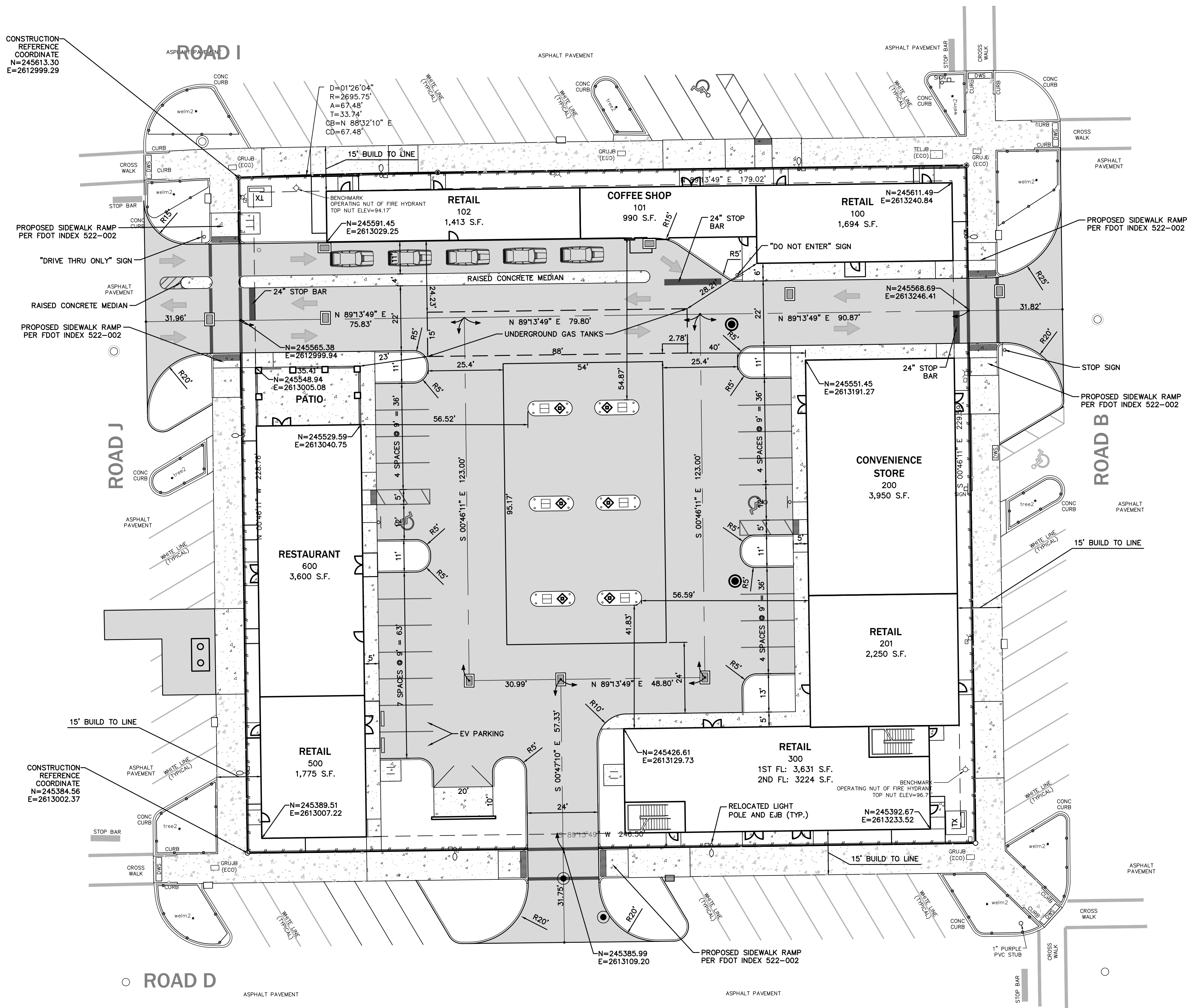
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Checked: TAR

Date: 04/23/24



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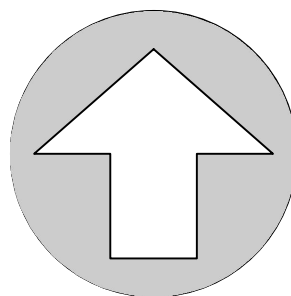


#### GENERAL NOTES

- ALL PARKING LOT DIMENSIONS AND RADII SHOWN ARE MEASURED FROM FACE OF CURB AND/OR THE EDGE OF PAVEMENT IF THERE IS NOT CURB PROPOSED. ALL RADIAL PARKING IS 9' MIN. WIDTH AT NARROWEST POINT.
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF LOCATION OF ALL EXISTING UTILITIES AND PROTECTION OF SAME DURING CONSTRUCTION.
- ELECTRIC SERVICE TO BE COORDINATED WITH G.R.U. ELECTRIC ENGINEERING DEPARTMENT.
- SIDEWALKS WILL BE CONNECTED TO BUILDING ENTRANCE. COORDINATE LOCATIONS WITH ARCHITECT.



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**NORTH**

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Project phase: COUNTY SUBMITTAL

Project title:

NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title:

DIMENSION PLAN

Designed: CSV

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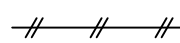
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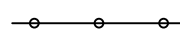
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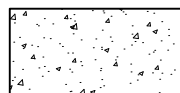
SILT FENCE



TREE BARRICADE



LIMITS OF ASPHALT PAVEMENT

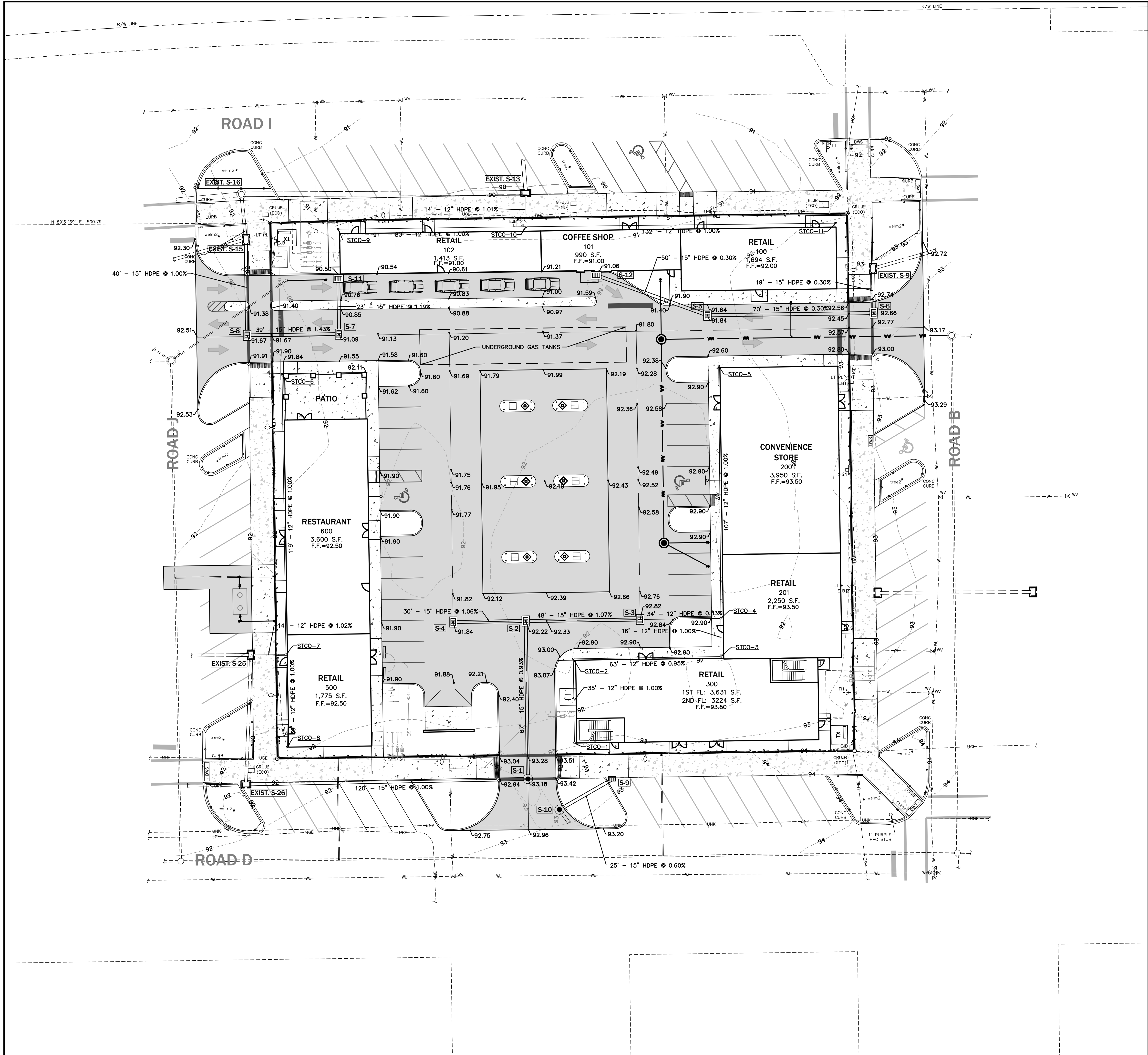


LIMITS OF CONCRETE PAVEMENT  
AND SIDEWALKS



EXISTING TREE TO REMAIN





STORMWATER STRUCTURE SCHEDULE			
STRUCTURE	STRUCTURE DATA	FOOT INDEX	NORTHING/EASTING
EXIST. S-9 TYPE-9 CURB INLET	TOP EL.=92.50 S 15" INV.=85.07 E 15" INV.=85.07	425-024	N 245593.7779 E 2613256.6526
EXIST. S-15 TYPE-9 CURB INLET	TOP EL.=91.54 S 15" INV.=82.46 N 15" INV.=82.54 W 15" INV.=82.40	425-024	N 245606.1884 E 2612988.9413
EXIST. S-25 TYPE-9 CURB INLET	TOP EL.=83.00 E 12" INV.=81.55 W 15" INV.=81.52 S 15" INV.=81.44	425-024	N 245428.8364 E 2612991.1918
EXIST. S-26 TYPE-9 CURB INLET	TOP EL.=91.60 E 15" INV.=81.37 W 15" INV.=81.17 N 15" INV.=81.22	425-024	N 245373.6074 E 2612989.0136
S-1 STORM MANHOLE	TOP EL.=93.18 N 15" INV.=82.57 W 15" INV.=82.57	425-010	N 245375.9152 E 2613109.3354
S-2 TYPE-C INLET	TOP EL.=92.22 W 15" INV.=83.20 S 15" INV.=83.20 E 15" INV.=83.20	425-052	N 245443.3225 E 2613108.4104
S-3 TYPE-C INLET	TOP EL.=92.82 W 15" INV.=83.72 E 12" INV.=83.72	425-052	N 245443.9782 E 2613157.2105
S-4 TYPE-C INLET	TOP EL.=91.84 E 15" INV.=83.53	425-052	N 245442.9062 E 2613077.4218
S-5 TYPE-C INLET	TOP EL.=91.84 E 15" INV.=85.34 W 15" INV.=85.34	425-052	N 245573.8207 E 2613185.9688
S-6 TYPE-C INLET	TOP EL.=92.66 W 15" INV.=85.13 N 15" INV.=85.13	425-052	N 245574.7742 E 2613256.9357
S-7 TYPE-C INLET	TOP EL.=91.09 W 15" INV.=83.43 N 15" INV.=83.43	425-052	N 245565.7636 E 2613028.7650
S-8 TYPE-C INLET	TOP EL.=91.67 N 15" INV.=82.87 E 15" INV.=82.87	425-052	N 245565.2363 E 2612989.5196
S-9 TYPE-9 CURB INLET	TOP EL.=93.50 SW 15" INV.=89.26	425-024	N 245375.7284 E 2613145.2791
S-10 STORM MANHOLE	TOP EL.=93.29 NE 15" INV.=89.10 SE 15" INV.=88.88	425-010	N 245362.8244 E 2613122.8123
S-11 TYPE-C INLET	TOP EL.=90.54 S 15" INV.=83.71	425-052	N 245589.4453 E 2613028.4493
S-12 TYPE-C INLET	TOP EL.=91.20 E 15" INV.=85.49	425-052	N 245590.9230 E 2613138.4369

STORMWATER CLEANOUT SCHEDULE	
CLEANOUT	CLEANOUT DATA
STCO-1	TOP EL.=93.50 INV.=85.13
STCO-2	TOP EL.=93.49 INV.=84.77
STCO-3	TOP EL.=93.48 INV.=84.17
STCO-4	TOP EL.=93.48 INV.=84.01
STCO-5	TOP EL.=93.47 INV.=85.09
STCO-6	TOP EL.=92.16 INV.=82.89
STCO-7	TOP EL.=92.42 INV.=81.70
STCO-8	TOP EL.=92.49 INV.=82.09
STCO-9	TOP EL.=90.97 INV.=83.75
STCO-10	TOP EL.=90.85 INV.=82.95
STCO-11	TOP EL.=92.02 INV.=84.27

LEGEND

SILT FENCE

TREE BARRICADE

LIMITS OF ASPHALT PAVEMENT

LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS

PROPOSED SPOT ELEVATION

eda

consultants inc.

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BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

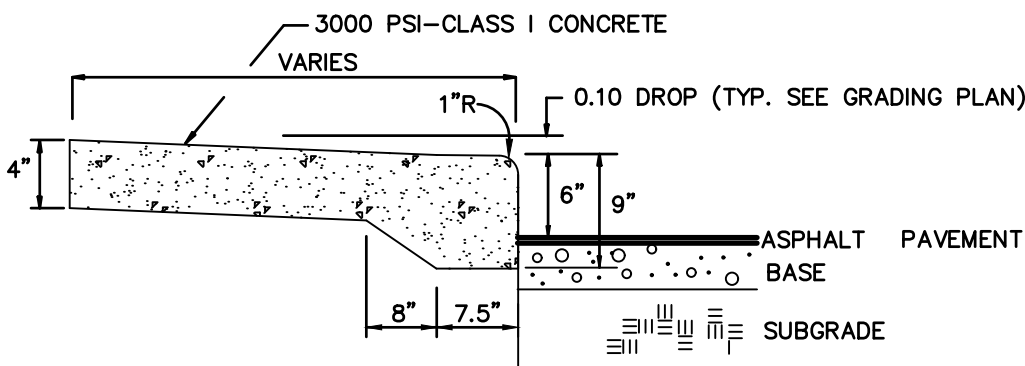
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DRAINAGE

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Drawn: JB  
Checked: TAR  
Date: 04/23/24

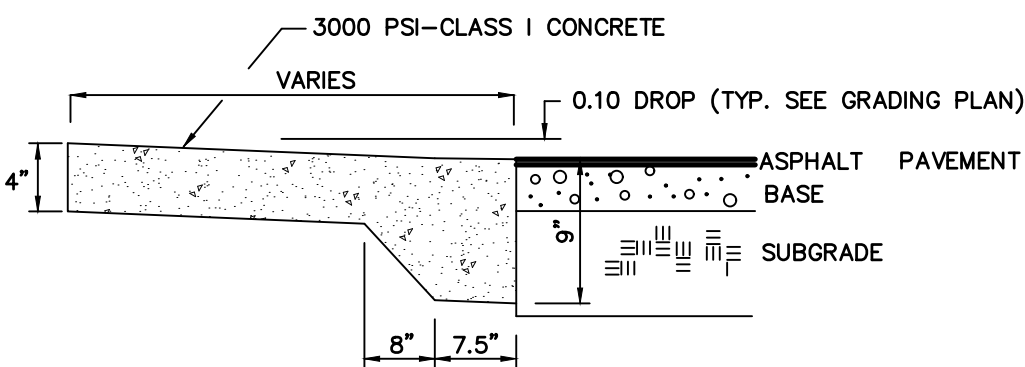
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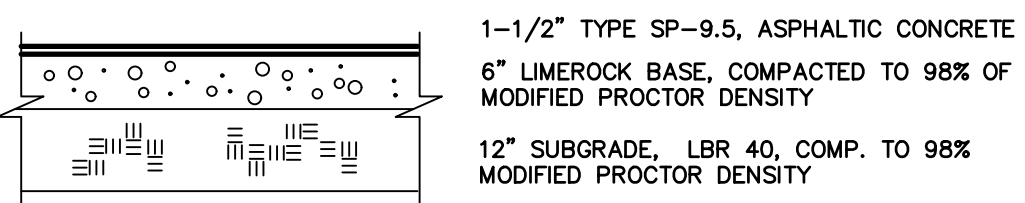
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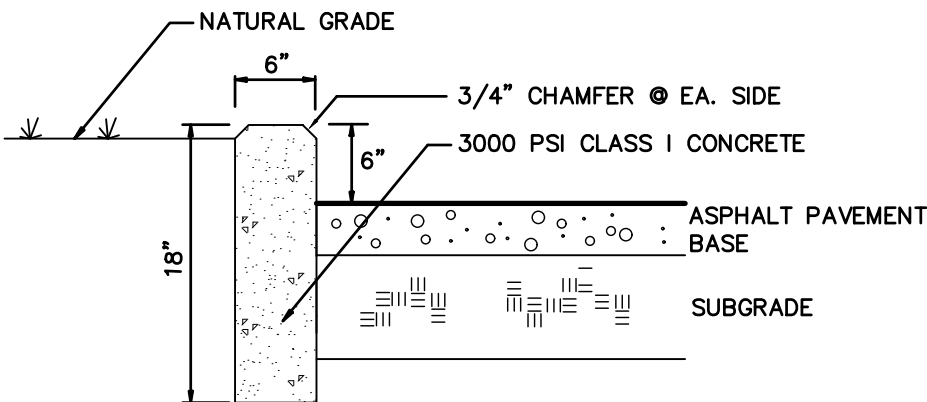
TYPICAL STEPUP SIDEWALK  
N.T.S.



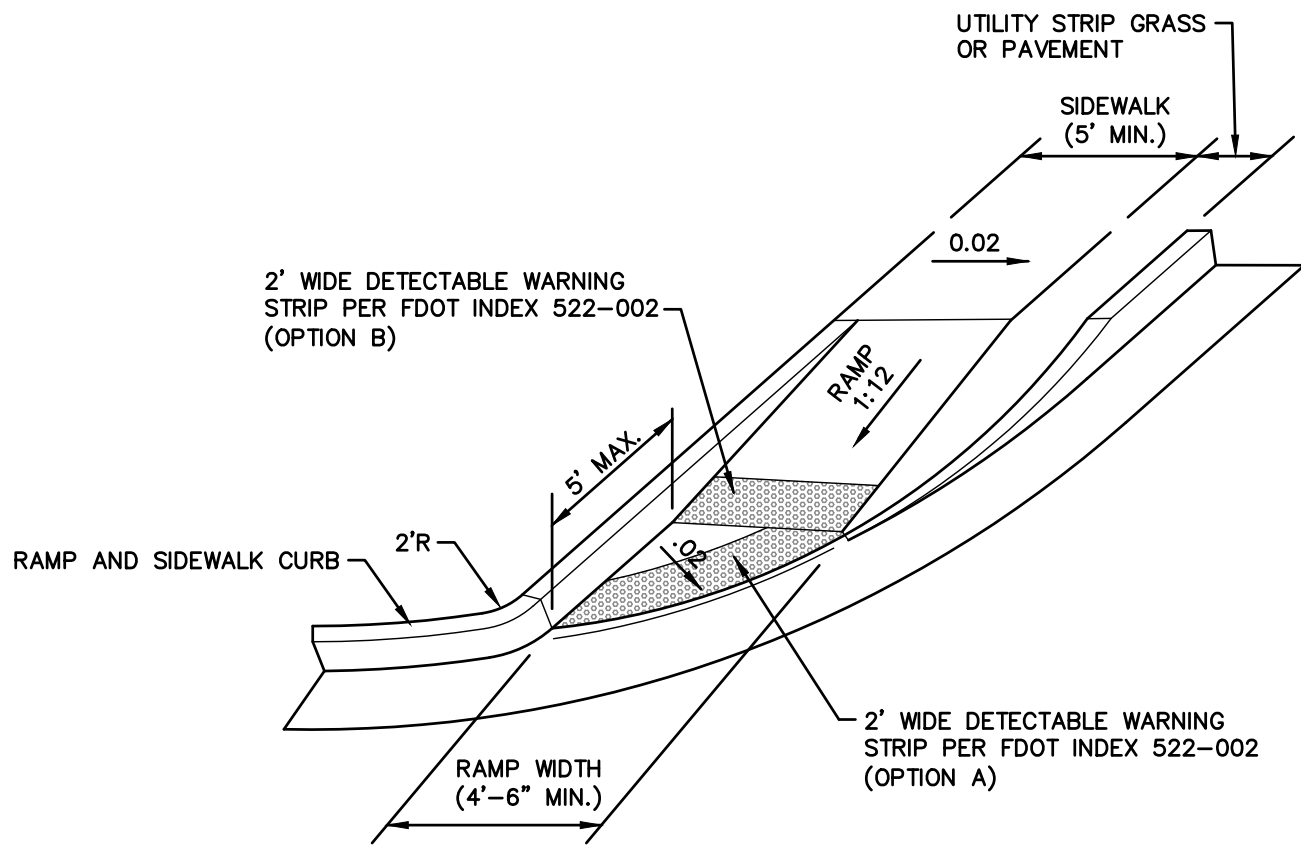
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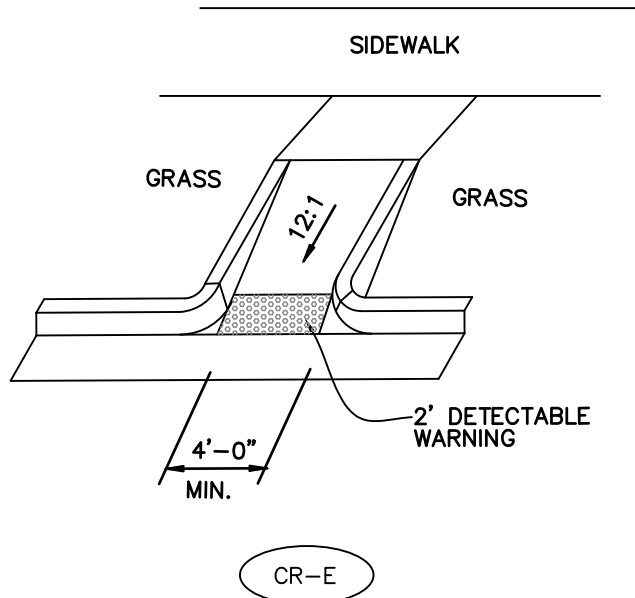
TYPICAL ASPHALT PAVEMENT DETAIL  
N.T.S.



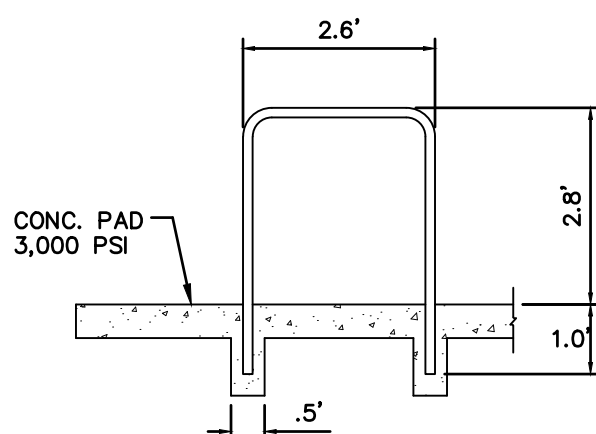
6" STANDARD CURB DETAIL  
N.T.S.



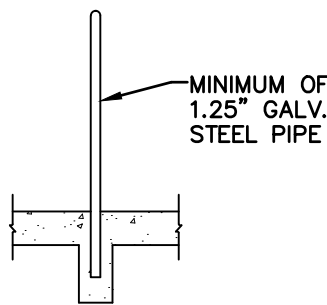
SIDEWALK CURB RAMPS-FDOT INDEX 522-002  
N.T.S.



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N.T.S.

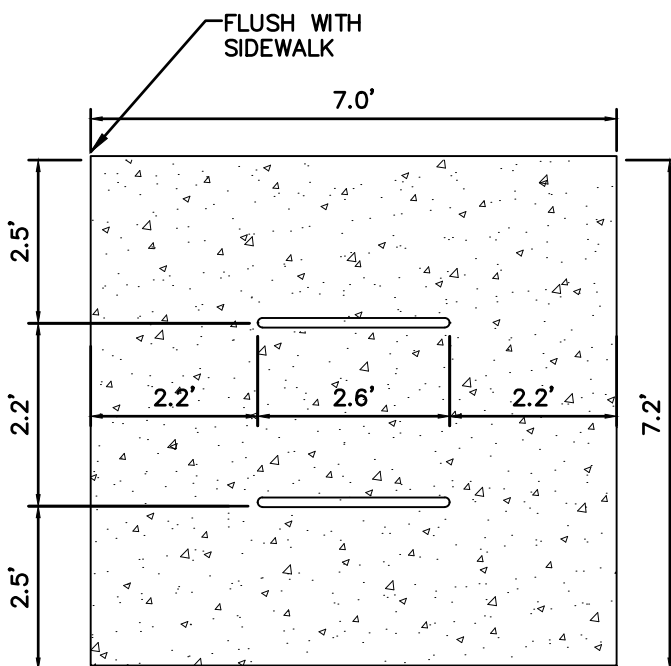


SECTION

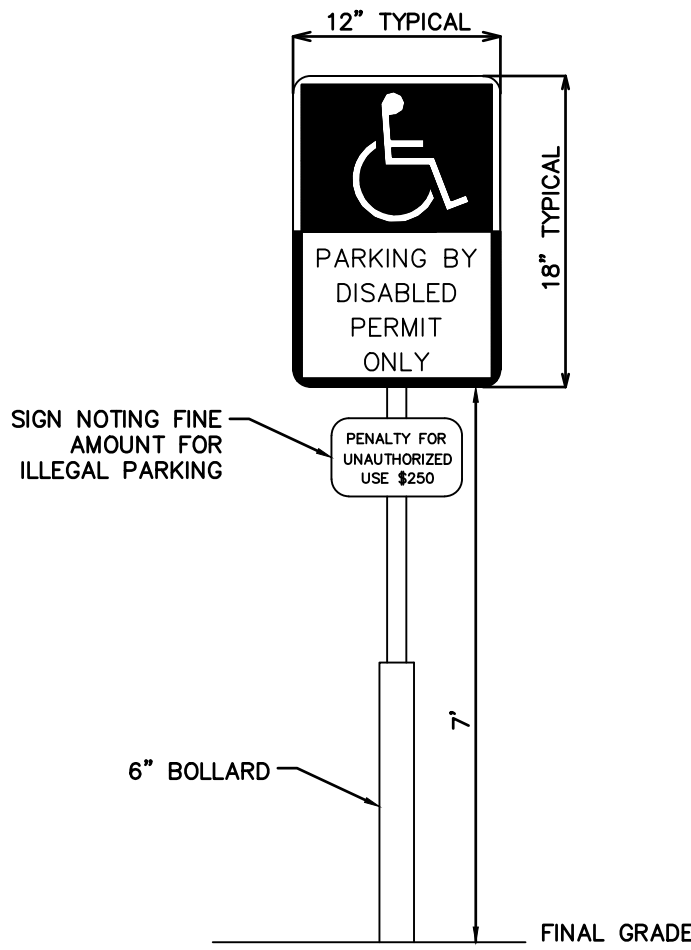


SECTION

BIKE RACK DETAIL  
N.T.S.



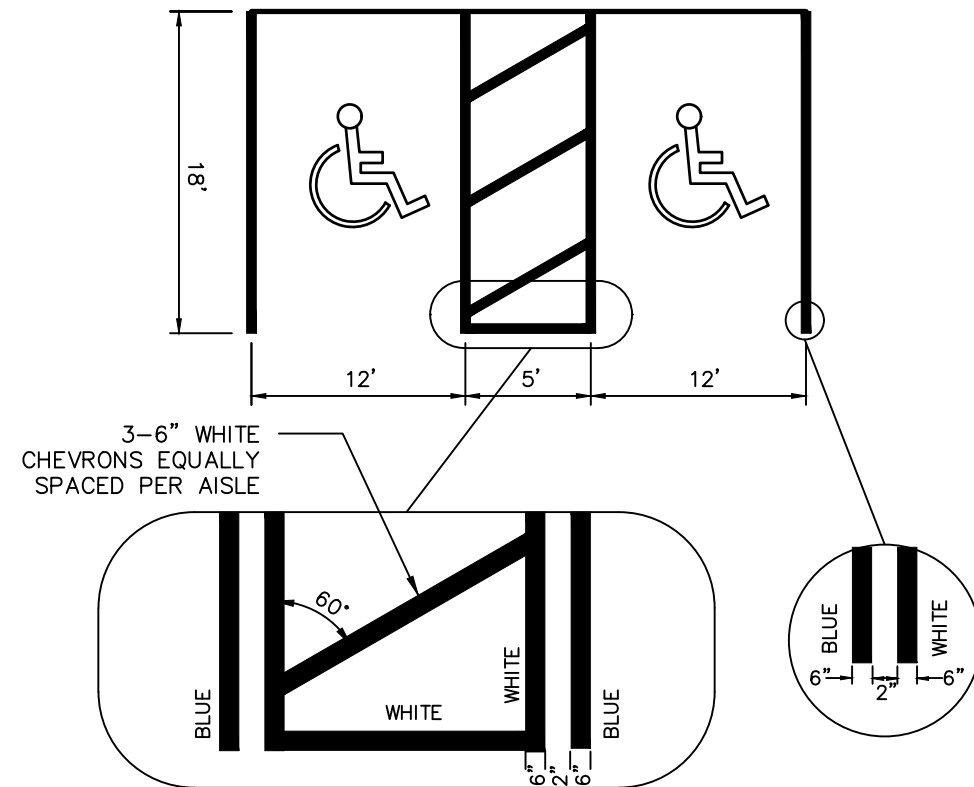
PLAN



SIGN NOTES:

1. SIGN TO BE MADE OF 0.063" STEEL PAINTED WITH TRAFFIC PAINT
2. HANDICAP SIGN TO BE AS SHOWN ABOVE OR AS REQUIRED BY LOCAL CODE PAINT SIGN BLUE AND WHITE

HANDICAP PARKING SIGN DETAIL  
N.T.S.



HANDICAP STRIPING DETAIL  
N.T.S.

PAVING, GRADING AND DRAINAGE SPECIFICATIONS

1. GENERAL: ALL ROADWAY AND DRAINAGE CONSTRUCTION, INCLUDING MATERIALS, CONSTRUCTION TECHNIQUES, AND TECHNICAL STANDARDS, SHALL BE IN ACCORDANCE WITH THE LATEST F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE LATEST F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS.
2. ALL AREAS OF NEW CONSTRUCTION SHALL BE PREPARED AFTER SITE DEMOLITION. TOP SOIL REMAINING ONSITE MAY BE STOCKPILED FOR FINE GRADING IN LANDSCAPED AREAS, IF SUITABLE. THE CONTRACTOR SHALL FURNISH ALL FILL REQUIRED AND DISPOSE OF ALL EXCESS OR UNSUITABLE MATERIAL OFFSITE IN ACCORDANCE WITH ALL REGULATORY REQUIREMENTS.
3. ALL NEW ASPHALT PAVEMENT CONSTRUCTION SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
  - A. EARTHWORK: FILL MATERIALS SHALL CONFORM TO AASHTO SOIL GROUPS A-1, A-3, OR A-2-4 AND SHALL BE PLACED IN 6"-12" LOOSE LIFTS AND COMPACTED TO 98% DENSITY USING MODIFIED PROCTOR METHOD (AASHTO T-180).
  - B. SUBSOIL EXCAVATION: WHERE SUBSOIL EXCAVATION IS REQUIRED, UNSUITABLE MATERIALS SHALL BE REMOVED TO A DEPTH OF 18" BELOW THE LIMEROCK BASE AND BACKFILLED WITH CLEAN FILL.
  - C. STABILIZED SUBGRADE: ALL STABILIZED MATERIAL SHALL BE TYPE 'B' CONFORMING TO SECTION 914-3 AND PLACED ACCORDING TO SECTION 160 IN ONE 12" MINIMUM COMPACTED LIFT. SUBGRADE SHALL BE STABILIZED TO A MINIMUM LBR VALUES AND DENSITIES AS SHOWN IN THE TYPICAL SECTIONS.
  - D. BASE COURSE: ALL MATERIAL SHALL BE LIMEROCK CONFORMING TO SECTION 911 AND PLACED ACCORDING TO SECTION 200 IN ONE 6" MINIMUM COMPACTED LIFT OR DOUBLE COMPACTED LIFT. ALL BASE MATERIAL SHALL BE COMPACTED TO 98% DENSITY BY MODIFIED PROCTOR METHOD (AASHTO T-180). THE PRIME COAT SHALL CONFORM TO SECTION 300.
  - E. ASPHALTIC CONCRETE: ALL ASPHALTIC CONCRETE MATERIAL SHALL BE AS PER DESIGN SECTIONS AND SHALL CONFORM TO SECTION 334. ALL ASPHALTIC CONCRETE CONSTRUCTION SHALL CONFORM TO SECTION 330. ASPHALT PAVEMENT SHALL BE SUPERPAVE SP-PG 67-22 ASPHALT BINDER.
4. ALL CONCRETE USED FOR CONSTRUCTION OF DRAINAGE STRUCTURES, SIDEWALKS, AND CURBING SHALL BE CLASS I CONFORMING TO SECTION 346.
5. REINFORCED CONCRETE PIPE SHALL CONFORM TO SECTION 941.
6. ALL PAVEMENT MARKINGS REQUIRED IN THE R/W SHALL BE THERMOPLASTIC AND INCLUDE RAISED PAVEMENT MARKERS, WHERE REQUIRED CONFORMING TO SECTION 711.
7. ALL PAVEMENT MARKING, SYMBOLS AND STRIPING WITHIN THE SITE SHALL MEET THE LATEST FLORIDA HANDICAP ACCESSIBILITY CODE. PAVEMENT MARKING SHALL BE 4" BLUE/WHITE (HANDICAP) OR WHITE (REGULAR) AND SHALL CONFORM TO THE LATEST F.D.O.T. AND M.U.T.C.D. STANDARDS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A GEOTECHNICAL CONSULTANT TO PROVIDE A FIELD INVESTIGATION REPORT DELINEATING RECOMMENDATIONS FOR UNDERCUTTING AND/OR UNDERDRAINS. A COPY OF THIS REPORT SHALL BE FORWARDED TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO UNDERCUTTING OR INSTALLING UNDERDRAIN. UNIT PRICES SHALL BE PROVIDED FOR UNDERDRAIN AND UNDERCUTTING. THE CONTRACTOR SHALL NOT CONSTRUCT BASE COURSE UNTIL THE REPORT IS REVIEWED AND APPROVED BY THE OWNER AND THE ENGINEER.
9. SOIL TESTING RESULTS SHALL BE PROVIDED FOR THE PAVEMENT CONSTRUCTION. TESTING RESULTS SHALL BE SUBMITTED FOR THE SUBGRADE AND BASE COURSE, IN ACCORDANCE WITH THE DESIGN SECTION. A MINIMUM OF 5 TEST LOCATIONS SHALL BE PROVIDED ONSITE. THE TESTING REPORT SHALL DENOTE THE TEST LOCATIONS. THE CONTRACTOR SHALL NOT PROCEED TO THE SUBSEQUENT PAVEMENT SECTION UNTIL TESTING RESULTS ARE APPROVED FOR PREVIOUS SECTION. ALL TESTING REQUIRED WITHIN THE COUNTY R/W SHALL BE COORDINATED WITH THE COUNTY INSPECTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TESTING COST.
10. LANDSCAPING: FINAL GRADING IN OPEN AREAS AND LANDSCAPE ISLANDS SHALL BE COORDINATED WITH THE LANDSCAPE CONTRACTOR AND THE OWNER. THE CONTRACTOR SHALL ALSO COORDINATE THE PLACEMENT OF ANY IRRIGATION AND ELECTRICAL CONDUIT SLEEVES DURING CONSTRUCTION.
11. ROOF RUNOFF WILL BE DIRECTED TO THE STORMWATER SYSTEM IF A GUTTER COLLECTION SYSTEM IS NOT SHOWN IN THE PLANS. RUNOFF COLLECTION SHALL BE COORDINATED WITH THE ARCHITECT.
12. REMOVAL OF ALL CONSTRUCTION DEBRIS, LIMEROCK, EXCESS OF BUILDERS SAND, CONCRETE AND MORTAR DEBRIS, EXISTING WEEDS AND GRASSES, AND ALL FOREIGN MATERIALS IN THE PLANTING BED AND SOD AREAS IS THE RESPONSIBILITY OF THE SITE WORK CONTRACTOR. SOIL IN AREAS TO BE LANDSCAPED SHALL BE UNCOMPACTED, SUITABLE FOR ROOT GROWTH WITH APPROPRIATE AMOUNTS OF ORGANIC MATTER, AND OF pH 5.5-6.5.
13. TREE BARRICADES MUST REMAIN IN PLACE AND IN THE DIMENSIONS SHOWN ON THE PLAN UNTIL LANDSCAPING BEGINS. SEE NOTE ON SHEET C0.20 AND THE DETAIL ON THE LANDSCAPE PLAN.

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SCALES:  
AS SHOWN

No.	Date	Comment

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY  
CLAUDIA S. VEGA, P.E. ON THE DATE ADJACENT TO THE SEAL.  
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED  
SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED  
ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Claudia S. Vega, P.E. 51532  
Engineer Certificate No.

Project No: 20-033

Project phase: COUNTY SUBMITTAL

Project title:

NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title:

PAVING, GRADING, AND  
DRAINAGE DETAILS

Designed: CSV  
Drawn: JB  
Checked: TAR  
Date: 04/23/24

Sheet No.:

C310



\\serve3\eng\projects\Newberry Park - Block 2 - Plans\Plans\Current\DWG\N200331.dwg, C:\20 - SPPP - 4/24/2024 11:17:13 PM, AutoCAD PDF (General Documentation).pc3, JB

THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) MAY BE MODIFIED AND UPDATED DURING CONSTRUCTION AS A RESULT OF WEATHER, UNPREDICTABLE EVENTS AND SITE INSPECTIONS.

THIS DOCUMENT WAS PREPARED IN ORDER TO BE IN COMPLIANCE WITH CHAPTER 62-621.300 (4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE ADMINISTRATIVE CODE GRANTS THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) THE AUTHORITY TO REGULATE POINT SOURCE DISCHARGES OF STORM-WATER FROM CONSTRUCTION SITES. THIS DOCUMENT ESTABLISHES A STORMWATER POLLUTION PREVENTION PLAN FOR THE SITE AND IS ORGANIZED TO CORRESPOND TO PART V OF DEP DOCUMENT N2-621.300 (4) (A) FDEP FORM 62-261.300 (4) (B) IS TO BE SUBMITTED IN CONJUNCTION WITH THIS DOCUMENT.

I. PROJECT INFORMATION:

PROJECT: NEWBERRY PARK TND – BLOCK 2  
COUNTY: ALACHUA COUNTY, FLORIDA  
SECTION/TOWNSHIP/RANGE: S 01, T 10 SOUTH, R 18 EAST  
COUNTY PARCEL NO.: 04322-001-002  
LATITUDE AND LONGITUDE: 29°39'33.4"N 82°28'13.7"W  
STREET ADDRESS:12186 NW 7TH PL  
PROJECT AREA:1.3 ACRES  
APPROXIMATE AREA TO BE DISTURBED BY CONSTRUCTION:  
1.3 Ac.

II. SITE DESCRIPTION:

- THE PROPOSED DEVELOPMENT CONSISTS OF THE CONSTRUCTION OF 12 GAS PUMPS WITH UNDERGROUND GAS TANKS, A 921 SF COFFEE SHOP, A 4,014 SF CONVENIENCE STORE, 3,247 SF RESTAURANT WITH A 702 SF PATIO, A 2,244 SF LIQUOR STORE, AND 8,573 SF OF RETAIL SPACE WITH ASSOCIATED DRAINAGE AND UTILITY IMPROVEMENTS.
- THE SOIL CONDITIONS WERE INVESTIGATED AND SUMMARIZED IN THE SOILS REPORT PREPARED BY UNIVERSAL ENGINEERING SCIENCES.  
THE PROPOSED PROJECT USES AN EXISTING MASTER STORMWATER SYSTEM. DRAINAGE OF THE PROJECT SITE WAS PERMITTED UNDER SWFMD ERP # 230720-2.
- EXISTING AND FUTURE DRAINAGE PATTERNS ARE SHOWN ON THE DRAINAGE PLAN FOR PRE-DEVELOPMENT CONDITIONS AND POST-DEVELOPMENT CONDITIONS. OUTFALLS, AND STORMWATER BASINS ARE SHOWN IN THE DRAINAGE PLAN AND THE DETAIL PLAN.
- SEQUENCE OF CONSTRUCTION:
  - PRIOR TO CONSTRUCTION, SILT FENCING AND TREE PROTECTION BARRICADES SHALL BE INSTALLED AND ALL EXISTING DRAINAGE STRUCTURES SHALL BE PROTECTED IN ACCORDANCE WITH THE FDOT FLORIDA EROSION AND SEDIMENTATION CONTROL MANUAL.
  - THE CONSTRUCTION ENTRANCE(S) WILL BE STABILIZED TO MINIMIZE THE CREATION OF DUST AND OFF SITE TRACKING OF SEDIMENTS.
  - THE SITE SHALL BE CLEARED AND GRUBBED OF UNDESIRABLE VEGETATION.
  - THE UNDERGROUND UTILITIES AND STORMWATER PIPING WILL BE INSTALLED AND CONNECTED TO EXISTING STRUCTURES.
  - THE SITE WILL BE ROUGHLY GRADED. IF SUITABLE, THE EXCAVATED MATERIAL MAY BE USED AS FILL FOR ON-SITE GRADING. THE ROADWAYS SHALL BE GRADED. (THE BASIN AREA SHALL BE STABILIZED AS SPECIFIED IN THE PLANS).
  - ROADWAYS AND PARKING LOTS WILL BE COMPACTED AND A LIMEROCK BASE WILL BE ESTABLISHED FOLLOWED BY AN OVERLAY OF ASPHALTIC CONCRETE. BUILDINGS SHALL BE CONSTRUCTED.
  - UPON SIGNIFICANT COMPLETION OF CONSTRUCTION, THE STORMWATER SYSTEM SHALL BE FLUSHED OUT TO REMOVE ACCUMULATED DEBRIS AND SEDIMENT.
  - ALL DISTURBED AREAS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED AND/OR LANDSCAPED. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS.

III. CONTROLS:

THE CONTROLS SHALL BE IMPLEMENTED AND MAINTAINED DURING THE ENTIRE CONSTRUCTION OF THE PROJECT. IF SITE CONDITIONS ARE SUCH THAT ADDITIONAL CONTROL MEASURES ARE REQUIRED THAN WHAT IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN, THEN THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES NECESSARY.

- THE CONSTRUCTION ACCESS SHALL BE STABILIZED WITH GRAVEL AND TEMPORARY VEGETATION TO PREVENT SILT LEAVING THE SITE.
- TREE BARRICADES SHALL BE IMPLEMENTED BEFORE CLEARING AND GRUBBING OF ANY OF THE WORK AREAS.
- BEFORE CLEARING, SILT FENCES SHALL BE INSTALLED AROUND THE PERIMETER OF THE CONSTRUCTION AND AROUND THE WETLAND(S) AND/OR BASIN(S) AS SHOWN IN THE PLANS. ALL EXISTING STORM DRAINAGE SWALES AND INLETS SHALL BE PROTECTED PER THE FDOT FLORIDA EROSION AND SEDIMENTATION CONTROL MANUAL.
- AFTER CLEARING BUT BEFORE EXCAVATION AND GRADING, TEMPORARY BERMS AND SWALES SHALL BE CONSTRUCTED AS REQUIRED TO DIVERT THE FLOW INTO THE CORRESPONDING STORMWATER BASIN.
- DURING CONSTRUCTION OF PAVING AND BUILDINGS, EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED.
- ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE SHALL BE COMPLETELY LANDSCAPED AND/OR GRASSED. FINAL STABILIZATION (INCLUDING SEEDING, MULCHING, SODDING OR RIPRAP) SHALL BE INSTALLED AS REQUIRED. GRASS SEEDING RATES AND MIXTURES SHALL BE PER FDOT INDEX 104. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS AND PRIOR TO FINAL RELEASE.

IV. EROSION AND SEDIMENTATION CONTROLS:

STABILIZATION PRACTICES

- ALL ENTRANCES TO THE SITE SHALL BE STABILIZED BEFORE CONSTRUCTION AND FURTHER DISTURBANCE BEGINS. GRAVEL PAD SHALL PROVIDE STABILIZATION AND MINIMIZE THE AMOUNT OF SEDIMENT LEAVING THE SITE. MAINTENANCE OF THE ENTRANCE SHALL INCLUDE SWEEPING OF THE AREA ADJACENT TO THE ENTRANCE. STONE AND GRAVEL MIGHT NEED TO BE PERIODICALLY ADDED TO MAINTAIN THE EFFECTIVENESS OF THE ENTRANCE(S).
- TREE BARRICADES SHALL BE INSTALLED AROUND THE TREES AS SHOWN IN THE DETAIL PLAN TO PROTECT THE EXISTING VEGETATION.
- MULCH SHALL BE PLACED IN THE AREAS REQUIRED TO PREVENT EROSION FROM STORMWATER RUNOFF AND THE AREAS SHOWN ON THE PLANS. MULCH SHALL BE ANCHORED TO RESIST WIND DISPLACEMENT AND SHALL BE INSPECTED AFTER EVERY RAINSTORM TO IDENTIFY AREAS WHERE MULCH HAS BEEN WASHED OUT OR LOOSENED. THESE AREAS SHALL HAVE MULCH COVER REPLACEMENT.
- SEEDING SHALL BE STARTED AFTER GRADING HAS BEEN FINISHED ON THE AREAS SHOWN IN THE PLANS. SEEDING AREAS SHOULD BE INSPECTED FOR FAILURE TO ESTABLISH, AND NECESSARY REPAIRS AND RESEEDING SHOULD BE MADE AS SOON AS POSSIBLE. ADDITIONAL SEEDING AND MULCH MAY BE REQUIRED AS NECESSARY TO PREVENT EROSION DURING OR AFTER CONSTRUCTION HAS FINISHED.
- SOD SHALL BE INSTALLED IN THE AREAS SHOWN IN THE PLANS. SOD SHALL BE REEDED IF INSTALLED ON SLOPES GREATER THAN 3:1. SODDED AREAS SHALL BE MAINTAINED AND INSPECTED TO ENSURE SUCCESSFUL ESTABLISHMENT.

SEDIMENTATION PRACTICES

- SILT FENCES SHALL BE INSTALLED IN THE AREAS SHOWN IN THE PLANS AND AS REQUIRED TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. SILT FENCES SHALL BE INSPECTED AFTER EACH RAINFALL EVENT TO ENSURE THAT THERE ARE NO GAPS OR TEARS. IF GAPS OR TEARS ARE FOUND THE FABRIC SHOULD BE REPAIRED OR REPLACED. SEDIMENT REMOVAL SHALL BE PART OF THE REGULAR MAINTENANCE. SILT FENCES SHALL REMAIN IN PLACE UNTIL CONSTRUCTION HAS FINISHED AND DISTURBED AREAS ARE PERMANENTLY STABILIZED.
- DIVERSION SWALES, IF REQUIRED, SHALL BE CONSTRUCTED BEFORE MAJOR LAND DISTURBANCE OF THE RECEIVING BASIN. DIVERSION SWALES SHALL BE STABILIZED AFTER CONSTRUCTION TO MAINTAIN ITS EFFICIENCY.
- INLETS SHOULD BE TEMPORARILY PROTECTED TO PREVENT SEDIMENT ENTERING THE INLET. BARRIERS WILL CATCH SOIL, DEBRIS AND SEDIMENT AT THE ENTRANCE OF THE INLET.
- OUTFALL STRUCTURES SHALL HAVE SILT FENCES TO PREVENT SILT FROM ENTERING THE STORMWATER BASINS AND SHALL BE STABILIZED AS REQUIRED TO PREVENT EROSION FROM WASHOUTS.

V. STORMWATER MANAGEMENT:

- THE PROPOSED PROJECT OBTAINED AN ENVIRONMENTAL RESOURCE PERMIT FROM SUWANNEE RIVER WATER MANAGEMENT DISTRICT (SRWMD) FOR THE CONSTRUCTION AND OPERATION OF A STORMWATER TREATMENT SYSTEM AND CONTROLS. THE SYSTEM INCLUDED THE USE OF THE BEST MANAGEMENT PRACTICES (BMP) CONSISTENT WITH THE APPLICABLE REQUIREMENTS OF RULE 40C-42 OF THE DISTRICT. THE OWNER AND/OR THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER TREATMENT SYSTEM AND CONTROLS UNTIL CONSTRUCTION ACTIVITIES ARE COMPLETED AND FINAL STABILIZATION HAS BEEN ACCOMPLISHED. HOWEVER, THE OWNER AND/OR AN ENTITY SIMILAR TO A HOMEOWNERS ASSOCIATION SHALL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE STORMWATER SYSTEM IN PERPETUITY, IN ACCORDANCE WITH THE REQUIREMENTS OF THE ENVIRONMENTAL RESOURCE PERMIT.
- TO TREAT AND CONTROL THE STORMWATER PRODUCED BY THE PROPOSED DEVELOPMENT, THE PROJECT REQUIRES THE INSTALLATION AND CONSTRUCTION OF THE FOLLOWING BMP'S:DISCHARGE TO AN EXISTING MASTER STORMWATER SYSTEM PERMITTED UNDER SRWMD PERMIT NUMBER 230720-2. THE BASINS HAVE BEEN DESIGNED TO CONTAIN AND ATTENUATE THE STORMS AND DISCHARGE AT PRE-DEVELOPMENT CONDITIONS, WHILE PROVIDING TREATMENT TO THE RUNOFF AS REQUIRED BY THE DISTRICT AND STATE RULES USING THE GUIDELINES CONTAINED IN THE SRWMD HANDBOOK.

VI. CONTROLS FOR OTHER POTENTIAL POLLUTANTS:

- WASTE DISPOSAL: NO SOLID MATERIALS, INCLUDING CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO SURFACE WATERS AND ARE NOT AUTHORIZED UNDER THE ISSUED ENVIRONMENTAL RESOURCE PERMIT.
- THE USE OF GRAVEL AND CONTINUING SWEEPING ACTIVITIES AT THE ENTRANCE OF THE SITE WILL CONTROL THE TRACKING OF SEDIMENT AND DUST LEAVING THE SITE.
- THE PROPOSED DEVELOPMENT WILL PROVIDE WATER AND SEWER SYSTEM BY CONNECTING INTO THE CENTRAL MUNICIPAL SYSTEM OF GAINESVILLE REGIONAL UTILITIES.
- ANY APPLICATION OF FERTILIZERS AND PESTICIDES NECESSARY TO ESTABLISH AND MAINTENANCE OF VEGETATION DURING CONSTRUCTION AND THROUGH PERPETUITY MAINTENANCE SHALL FOLLOW THE MANUFACTURERS RECOMMENDATIONS AND THE APPLICABLE RULES OF THE STATE OF FLORIDA.
- ANY TOXIC MATERIALS REQUIRED DURING CONSTRUCTION SHALL BE PROPERLY STORED, DISPOSED OF AND CONTRACTOR AND/OR OWNER SHALL PROVIDE THE APPROPRIATE PERMITS FROM THE LOCAL OR STATE AGENCIES.

VII. APPROVED STATE OR LOCAL PLANS:

- ALL THE SEDIMENT AND EROSION CONTROLS THAT ARE LISTED IN THE SITE PLAN AS APPROVED BY THE SRWMD ARE INCLUDED IN THIS STORMWATER POLLUTION PREVENTION PLAN (SEE ITEM III AND IV).
- THIS STORMWATER POLLUTION PREVENTION PLAN SHALL BE AMENDED IF REQUIRED BY ANY LOCAL OR STATE AGENCY OR AS REQUIRED BY UNFORESEEABLE CONDITIONS AND THE OWNER SHALL SUBMIT A RE-CERTIFICATION TO THE NPDES STATE OFFICE THAT THE PLAN HAS BEEN AMENDED TO ADDRESS THOSE CHANGES.

VIII. MAINTENANCE:

THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE, INSPECTION, SCHEDULE, AND REPAIRS OUTLINED IN THIS PLAN. MAINTENANCE SHALL CONTINUE THROUGHOUT THE PROJECT UNTIL WORK IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER CONSTRUCTION IS COMPLETE.  
IN ADDITION TO THE ITEMS MENTIONED IN THE PREVIOUS SECTIONS, THE CONTRACTOR SHALL INITIATE ANY REPAIRS WITHIN 24 HOURS OF BEING REPORTED. IN THE EVENT THAT THE BASINS DO NOT PERFORM PROPERLY OR IF A SINKHOLE DEVELOPS, THE PROJECT ENGINEER SHALL BE NOTIFIED TO ASSIST IN COORDINATING REMEDIAL ACTION.

- MAINTENANCE SHOULD BE DIVIDED IN ROUTINE MAINTENANCE AND REPAIR MAINTENANCE. ALL STORMWATER BMP'S SHOULD BE INSPECTED FOR CONTINUED EFFECTIVENESS AND STRUCTURAL INTEGRITY ON A REGULAR BASIS. THE SYSTEMS SHOULD BE CHECKED AFTER EACH STORM EVENT IN ADDITION TO REGULARLY SCHEDULED INSPECTIONS.
- ROUTINE MAINTENANCE REQUIREMENTS SHOULD BE INCLUDED IN THE INSPECTOR CHECKLIST TO AID THE INSPECTOR IN DETERMINING WHETHER A BMP'S MAINTENANCE IS ADEQUATE OR NEEDS A REVISION. INSPECTORS SHALL KEEP RECORD OF MAINTENANCE, ROUTINE OR REPAIR, TO PROVIDE EVIDENCE OF AN EFFICIENT INSPECTION AND MAINTENANCE.
- SIDE ENTRANCES: MAINTENANCE SHALL INCLUDE REPLACEMENT OF GRAVEL AND CLEANING THE SOIL THAT IS TRACKED OFFSITE FOR PROPER DISPOSAL.
- TREE BARRICADES: MAINTENANCE SHALL INCLUDE INSPECTION OF MESH AND POSTS AND REPAIR OR REPLACEMENT OF DAMAGED VEGETATION.
- SILT FENCES: MAINTENANCE SHALL INCLUDE SEDIMENT REMOVAL AND INSPECTION TO ENSURE PROPER ANCHORING AND THAT NO TEARING OR GAPS HAVE OCCURRED. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF SILT FENCE.
- DIVERSION SWALES: MAINTENANCE SHALL INCLUDE INSPECTION AFTER EVERY RAINFALL EVENT AND ONCE EVERY TWO WEEKS BEFORE FINAL STABILIZATION. THEY SHOULD BE CLEARED OF SEDIMENT AND MAINTAIN VEGETATIVE COVER.
- TEMPORARY BERMS: MAINTENANCE SHALL INCLUDE REMOVAL OF DEBRIS, TRASH SEDIMENT AND LEAVES. SIDES OF THE BERM SHALL BE INSPECTED FOR EROSION AFTER EACH STORM EVENT.
- MULCHING: ROUTINE MAINTENANCE SHALL INCLUDE REPLACEMENT PERIODICALLY.
- SEEDING: ROUTINE MAINTENANCE SHALL INCLUDE RESEEDING OF AREAS THAT FAILED TO ESTABLISH.
- SODDING: ROUTINE MAINTENANCE SHALL INCLUDE WATERING AND MOWING. REPLACEMENT OF GRASS MAY BE NECESSARY IF COVER IS NOT FULLY ESTABLISHED.
- INLETS: ROUTINE MAINTENANCE SHALL INCLUDE INSPECTION AFTER EVERY STORM EVENT AND MIGHT INCLUDE REMOVAL OF ACCUMULATED SEDIMENT.
- OUTFALL STRUCTURES: ROUTINE MAINTENANCE SHALL INCLUDE INSPECTION AFTER EVERY STORM EVENT TO ASSURE NO EROSION OR SCOUR HAS OCCURRED.

IX. INSPECTIONS:

- THE OWNER AND /OR CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL TO INSPECT ALL POINTS OF POTENTIAL DISCHARGE FROM THE PROJECT SITE FOR DISTURBED AREAS, THE EROSION AND SEDIMENTATION CONTROLS AND BMP'S AS LISTED IN THIS PLAN. THE INSPECTION SHALL BE PERFORMED DURING CONSTRUCTION AND BEFORE FINAL STABILIZATION, ONCE EVERY SEVEN-CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS GREATER THAN 0.50 INCHES. AFTER FINAL STABILIZATION AND BEFORE FINISH OF CONSTRUCTION THE INSPECTION SHALL BE CONDUCTED ONCE EVERY MONTH.
- THE CONTRACTOR SHALL INSTALL A RAIN GAUGE AT THE SITE TO MONITOR AND DOCUMENT RAINFALL EVENTS IN EXCESS OF 0.50 INCHES.
- ALL DISTURBED AREAS AND AREAS USED FOR MATERIALS STORAGE SHALL BE INSPECTED FOR POLLUTANTS ENTERING THE STORMWATER SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE INSPECTED TO ENSURE THEY ARE OPERATING CORRECTLY. LOCATIONS WHERE VEHICLES ENTER AND LEAVE THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.
- REPAIR OR MAINTENANCE NEEDED TO ASSURE PROPER OPERATION OF THE STORMWATER POLLUTION PREVENTION PLAN SHALL BE DONE IN A TIMELY MANNER BUT NO LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.
- A REPORT SHALL BE KEPT OF EACH INSPECTION FOR THREE YEARS AFTER FINAL STABILIZATION AND SHALL INCLUDE THE DATES OF EACH INSPECTION, THE SCOPE OF THE INSPECTION, MAJOR OBSERVATIONS, ANY REPAIR AND/OR MAINTENANCE REQUIRED AND ANY INCIDENT OF NON-COMPLIANCE. IF THE REPORT DOES NOT CONTAIN ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY HAS BEEN IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE NPDES PERMIT. THE REPORT SHALL INCLUDE THE NAME AND QUALIFICATIONS OF THE INSPECTOR AND SHALL BE SIGNED IN ACCORDANCE TO FDEP RULE 62-621.300, PART VI.C. A COPY OF THE CONSTRUCTION INSPECTION FORM IS INCLUDED ON THIS STORMWATER POLLUTION PREVENTION PLAN SHEET. A COPY SHALL BE RETAINED AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

X. NON-STORMWATER DISCHARGES:

- THE FOLLOWING NON-STORMWATER DISCHARGES MIGHT BE COMBINED WITH STORMWATER AND WOULD BE AUTHORIZED AS PART OF THIS PERMIT: FIRE HYDRANT FLUSHING, CONTROL OF DUST, POTABLE WATER FLUSHING AND IRRIGATION DRAINAGE. BECAUSE OF THE NATURE OF THESE DISCHARGES, THE EROSION, STABILIZATION AND TREATMENT SYSTEMS TO BE IMPLEMENTED, AS PART OF THIS PLAN WOULD BE APPROPRIATE TO PREVENT AND TREAT ANY POLLUTION RELATED TO THESE NON-STORMWATER DISCHARGES.
- DISCHARGES FROM DEWATERING ACTIVITIES ASSOCIATED WITH SITE CONSTRUCTION ARE NOT AUTHORIZED AND REQUIRED CONSTRUCTION OF TEMPORARY SEDIMENTATION BASINS AND USE OF APPROPRIATE FLOCCULATING AGENTS TO ENHANCE PARTICLE SEGREGATION AND SPEED UP SETTLING OF PARTICLES.

XI. CONTRACTORS:

- ALL CONTRACTORS AND/OR SUBCONTRACTORS RESPONSIBLE FOR IMPLEMENTING THE PLAN SHALL SIGN THE CERTIFICATION STATEMENT BEFORE STARTING CONSTRUCTION ACTIVITIES OF THE PROJECT. THE CERTIFICATION MUST INCLUDE THE NAME AND TITLE OF THE PERSON PROVIDING THE SIGNATURE, THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE CONTRACTING FIRM, THE ADDRESS OF THE SITE AND THE DATE THE CERTIFICATION IS MADE. THE OWNER SHALL KEEP THESE CERTIFICATIONS AS PART OF THIS POLLUTION PLAN. MULTIPLE COPIES OF THE CERTIFICATION STATEMENT MAY BE NECESSARY, DEPENDING UPON THE NUMBER OF SUBCONTRACTORS ASSOCIATED WITH THE PROJECT.

STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT FORM

Inspections must occur at least once a week and within 24 hours of the end of a storm event that is 0.50 inches or greater.

PROJECT NAME: **NEWBERRY PARK TND - BLOCK 2** FDEP NPDES STORMWATER IDENTIFICATION NO.: FLR10

OWNER: CONTRACTOR:

CONSTRUCTION MANAGER:

Date of Inspection	Location	Rain data	Type of control (see below)	Date installed / modified	Current Condition (see below)	Observations or Corrective Action / Other Remarks	Inspected By

CONDITION CODE: G = Good M = Marginal, needs maintenance or replacement soon O = Other  
C = Needs to be cleaned P = Poor, needs immediate maintenance or replacement

CONTROL TYPE CODES

1. Silt Fence	10. Storm drain inlet protection	19. Reinforced soil retaining system	28. Tree protection
2. Earth dikes	11. Vegetative buffer strip	20. Gabion	29. Detention pond
3. Structural diversion	12. Vegetative preservation area	21. Sediment Basin	30. Retention pond
4. Swale	13. Retention Pond	22. Temporary seed / sod	31. Waste disposal / housekeeping
5. Sediment Trap	14. Construction entrance stabilization	23. Permanent seed / sod	32. Dam
6. Check dam	15. Perimeter ditch	24. Mulch	33. Sand Bag
7. Subsurface drain	16. Curb and gutter	25. Hay Bales	34. Other
8. Pipe slope drain	17. Paved road surface	26. Geotextile	
9. Level spreaders	18. Rock outlet protection	27. Rip-rap	

INSPECTOR INFORMATION:

Name Qualification Date  
The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non compliance identified above.

\*\*\*\*\*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

CERTIFICATION STATEMENT

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER."

CONTRACTING FIRM:

ADDRESS:

CITY, STATE, ZIP CODE:

TELEPHONE:

FAX:

PROJECT NAME: NEWBERRY PARK TND – BLOCK 2

PROJECT ADDRESS:

PROJECT ADDRESS:

CITY, STATE, ZIP CODE: , FLORIDA.

NAME: SIGNATURE:

DATE:



EB 2389  
720 S.W. 2nd Ave, South Tower, Suite 300  
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No.	Date	Comment

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY CLAUDIA S. VEGA, P.E. ON THE DATE ADJACENT TO THE SEAL.  
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Professional Engineer of Record:

Claudia S. Vega, P.E. 51532  
Engineer Certificate No.

Project No: 20-033

Project phase: COUNTY SUBMITTAL

Project title:

NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title:

STORMWATER POLLUTION  
PREVENTION PLAN

Designed: CSV Sheet No.:

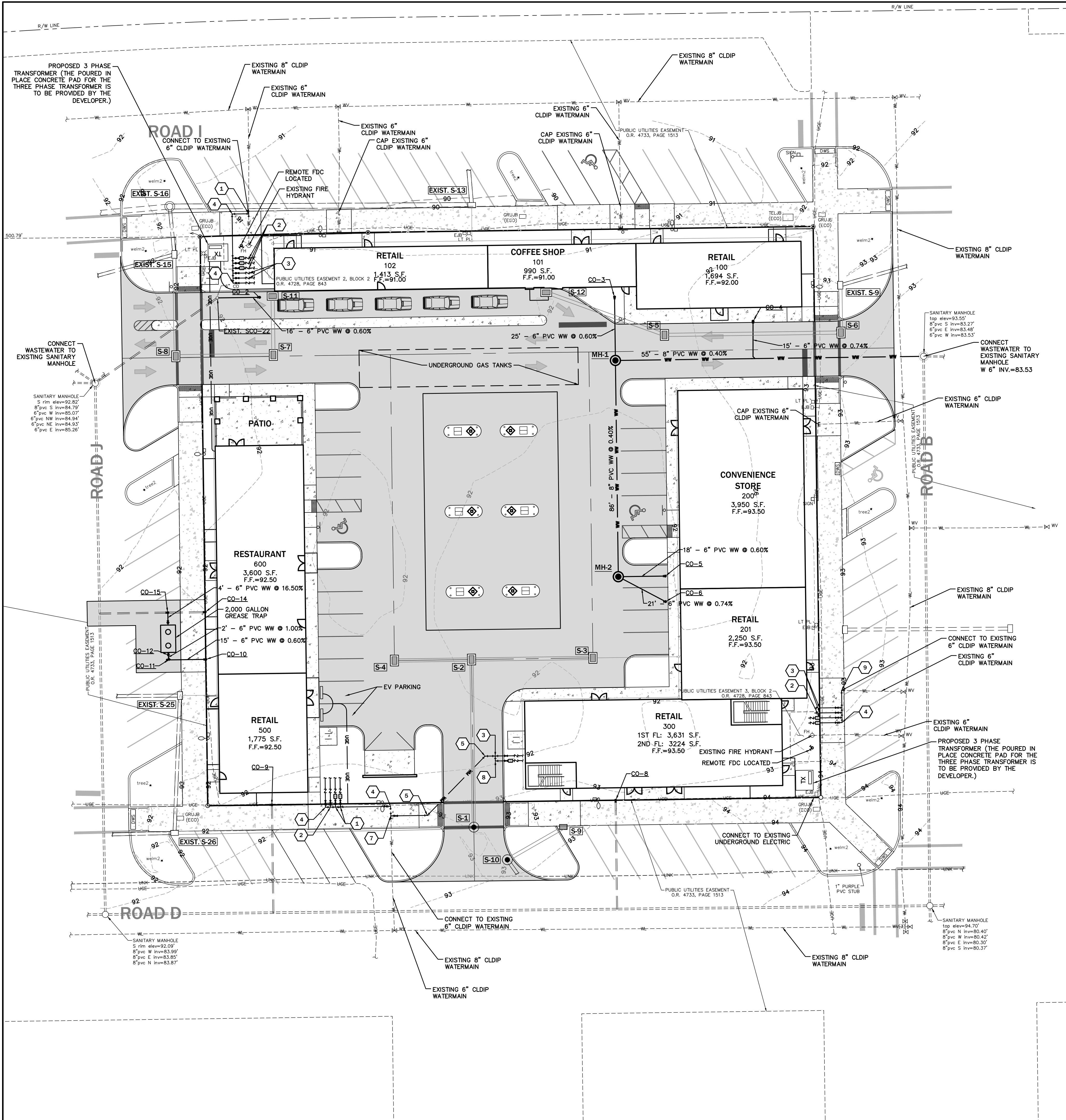
Drawn: JB

Checked: TAR

Date: 04/23/24

C320





GRU GAS NOTES

- CALL 811 BEFORE DIGGING AND LOCATE AND PROTECT GRU GAS FACILITIES. MAINTAIN A MINIMUM COVER OF 36" OVER GRU GAS MAIN DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- PLEASE INDICATE VIA PROJECT DOX IF THE CUSTOMER DESIRES G.R.U. GAS SERVICE FOR THIS PROJECT, AS WELL AS CONTACTING VANESSA ARAGON, G.R.U. GAS MARKETING AT 352-393-1466, 72 HOURS BEFORE CONSTRUCTION BEGINS.
- ALL PVC GAS CASINGS FURNISHED AND INSTALLED BY OWNER.
- 4" PVC GAS CASINGS BURIED MIN. DEPTH OF 36" TYPICAL FOR ALL SERVICES.

FUEL SYSTEM NOTES

- ANY WORK INVOLVING THIS FUEL STORAGE SYSTEM MUST MEET THE REQUIREMENTS OF CHAPTER 62-761, FLORIDA ADMINISTRATIVE CODE (F.A.C.).
- FACILITY MUST COMPLY WITH THE ALACHUA COUNTY HAZARDOUS MATERIALS MANAGEMENT CODE (HMMC), CHAPTER 353 OF THE ALACHUA COUNTY CODE. CONTACT THE ALACHUA COUNTY ENVIRONMENTAL PROTECTION HAZMAT MANAGER - CHRIS GILBERT AT (352)-264-6842 OR cgilbert@alachuacounty.us FOR SPECIFIC INFORMATION ON THE HMMC REQUIREMENTS

WASTEWATER STRUCTURE SCHEDULE		
STRUCTURE	STRUCTURE DATA	NORTHING/EASTING
EXIST. MH-9	TOP EL.=93.52 W 8" INV.=83.53	N 245565.2192 E 2613290.1274
MH-1	TOP EL.=92.07 S 8" INV.=84.13 E 8" INV.=84.03 N 6" INV.=84.23	N 245563.5548 E 2613166.2411
MH-2	TOP EL.=92.75 N 8" INV.=84.47 E 6" INV.=84.57 SE 6" INV.=84.67	N 245476.6181 E 2613167.4091

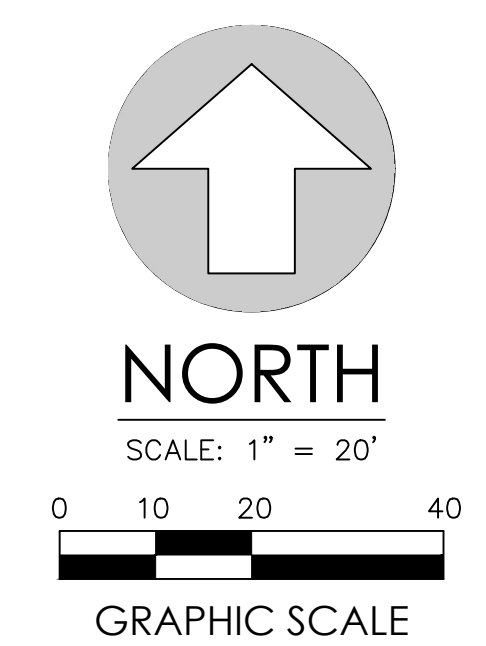
WASTEWATER CLEANOUT SCHEDULE	
CLEANOUT	CLEANOUT DATA
CO-2	TOP EL.=90.66 INV.=87.50
CO-3	TOP EL.=91.26 INV.=84.38
CO-4	TOP EL.=91.90 INV.=84.44
CO-5	TOP EL.=92.90 INV.=84.69
CO-6	TOP EL.=92.90 INV.=84.83
CO-8	TOP EL.=93.40 INV.=86.86
CO-9	TOP EL.=92.52 INV.=86.87
CO-10	TOP EL.=91.76 INV.=87.17
CO-11	TOP EL.=91.22 INV.=87.08
CO-12	TOP EL.=91.24 INV.=87.06
CO-14	TOP EL.=91.92 INV.=87.08
EXIST. SCO-22	TOP EL.=91.00 INV.=87.40

LEGEND	
///	SILT FENCE
—●—●—	TREE BARRICADE
■	LIMITS OF ASPHALT PAVEMENT
■	LIMITS OF CONCRETE PAVEMENT AND SIDEWALKS

GRU UTILITY NOTES

- A SEPARATE UTILITY PERMIT WILL BE REQUIRED FOR THE EXTENSION OF THE PROPOSED UTILITIES (WATER & WASTEWATER).
- THE UTILITY PLAN AND PLAT SHOWS ALL PUBLIC UTILITY EASEMENTS (PUE'S) IN A METES AND BOUNDS FORMAT. UPON GRU'S APPROVAL OF PLANS FOR DEVELOPMENTS NOT BEING PLATTED, OWNER MAY CHOOSE TO GRANT THE METES AND BOUNDS EASEMENTS AS SHOWN, OR GRANT A BLANKET EASEMENT OVER THE ENTIRE PROPERTY. PROVIDED FACILITIES ARE INSTALLED WITHIN THE PRESCRIBED DISTANCES AS SHOWN ON THE UTILITY PLANS AND IN ACCORDANCE WITH THE UTILITY SEPARATION REQUIREMENTS TABLE IN APPENDIX C OF THE GRU W/W/RWC DESIGN STANDARDS.
- ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER AND RECLAIMED WATER SYSTEMS SHALL CONFORM TO GRU'S MOST RECENT POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEM DESIGN STANDARDS AND APPROVED MATERIALS MANUAL.
- POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.
- A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FOR POTABLE WATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, AND 15 FEET FOR GRAVITY WASTEWATER MAINS SHALL BE PROVIDED AND MAINTAINED FROM BUILDINGS, TRANSFORMERS AND ALL PERMANENT STRUCTURES. SERVICE LATERALS REQUIRE 5 FEET LESS CLEARANCE FOR EACH OF THE UTILITIES. NOTE THAT WATER SERVICE LATERALS SHALL BE INSTALLED WITHIN 3" SLEEVES (SEE APPENDIX C OF GRU'S DESIGN STANDARDS AND CONSTRUCTION DETAILS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER - HORIZONTAL SEPARATION DISTANCES FOR PARALLEL AND PERPENDICULAR CLEARANCE FROM OTHER OBJECTS TABLE).
- POTABLE WATER SERVICES, REQUIRING A SEPARATE WATER METER, SHALL BE PROVIDED TO EACH LOT, BUILDING OR PARCEL. EFFECTIVE OCTOBER 1, 2007, FOR COMMERCIAL, MULTIFAMILY, AND INSTITUTIONAL DEVELOPMENTS, THE DEVELOPER SHALL BE RESPONSIBLE FOR INSTALLING POTABLE WATER SERVICES AND YOEK ASSEMBLY PACKAGE UP TO AND INCLUDING THE METER YOKE, BOX (INSTALLED AT FINAL GRADE) AND ASSOCIATED APPURTENANCES, FOR METERS 1" AND SMALLER (SEE GRU W/W/RWC CONSTRUCTION DETAIL W-8.0), WITH A ONE-YEAR WARRANTY.
- 2" VALVES LOCATED IN PAVED AREAS, INCLUDING SIDEWALKS, SHALL BE GRU APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT, THREADED WITH BRASS NIPPLE BETWEEN THE VALVES AND TAPPING SADDLE OR TAPPED TEE.
- WATER MAINS 4" IN DIAMETER AND GREATER, PLACED UNDER ROADWAYS, SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLDIP) EXTENDING 5 FEET PAST THE BACK OF CURB (3 FEET WITHIN CITY OF GAINESVILLE LIMITS) TRACER WIRE INSTALLED ON PVC WATER MAINS SHALL CONTINUE ACROSS THE CLDIP SECTIONS.
- 1" OR 2" WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3" SCH 40 PVC EXTENDING 5' PAST THE BACK OF CURB (3' INSIDE CITY OF GAINESVILLE LIMITS).
- ANCHORING TEES, COUPLINGS, AND BENDS SHALL BE USED ON ALL FIRE HYDRANT ASSEMBLIES.
- ALL PRESSURIZED MAIN FITTINGS SHALL BE MECHANICAL JOINT WITH RESTRAINED JOINT GLANDS. A SUFFICIENT LENGTH OF THE PIPE CONNECTED TO THE FITTINGS SHALL BE MECHANICALLY RESTRAINED TO PROVIDE REACTION AS SPECIFIED ON THE RESTRAINED JOINT STANDARD IN THE CONSTRUCTION DETAILS OF THE GRU STANDARDS (W-2.8 & 2.9, RCW-2.8 & 2.9, AND WW-2.4 & 2.5). CALCULATIONS FOR REQUIRED RESTRAINT LENGTH MUST BE PROVIDED IF THE SPECIFIED RESTRAINT LENGTH, DUE TO SOIL TYPE OR DEPTH OF COVER, DIFFERS FROM THOSE PROVIDED ON THESE DETAILS.
- ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4" DIAMETER PVC (SDR 26) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.
- WASTEWATER CLEANOUT COVERS SHALL BE RATED FOR TRAFFIC LOAD BEARING.
- MANHOLES WHICH ARE NOT INSTALLED UNDER PAVEMENT SHALL HAVE A RIM ELEVATION AT LEAST 6" ABOVE FINISHED GRADE, AND A 10:1 SLOPE TO FINISHED GRADE.
- UNLESS OTHERWISE NOTED ON THE PLANS, THE FINISHED FLOOR ELEVATIONS OF BUILDINGS SHALL BE A MINIMUM OF 6" ABOVE THE LOWEST UPSTREAM MANHOLE TOP. IF THIS IS INFEASIBLE, A WASTEWATER SERVICE LATERAL BACKWATER VALVE (BWV) IS REQUIRED ON THE CUSTOMER SIDE OF CLEANOUT.
- WHEN A POTABLE OR RECLAIMED WATER MAIN, OR A WASTEWATER FORCE MAIN IS ROUTED WITHIN 10 FT. OF AN ELECTRIC TRANSFORMER, A 20 FT. LENGTH OF DIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END. NO FITTINGS OR VALVES SHALL OCCUR WITHIN 10 FT. OF THE NEAREST EDGE OF THE TRANSFORMER. A MINIMUM CLEARANCE OF 3" SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER.
- A/C CONDENSATE SHALL NOT FLOW INTO WASTEWATER SYSTEM.

WATER FITTING SCHEDULE	
KEY	ASSEMBLY
1	CONNECT TO EXISTING 6" WATERMAIN 1 - 6X6" TAPPING SADDLE 1 - 6"x2" REDUCER 1 - 2"x2" TEE 1 - 2" GATE AND VALVE BOX 1 - 1" WATER METER ASSEMBLY PER GRU DETAIL W-8.1 (END OF GRU MAINTENANCE) 1 - 1" REDUCED PRESSURE ZONED BACKFLOW PREVENTER 1" PVC POTABLE WATER LINE TO BUILDING
2	1 - 2"x2" TEE 1 - 2" GATE AND VALVE BOX 1 - 2" REDUCED PRESSURE ZONED BACKFLOW PREVENTER WITH OS&Y VALVES 2" CLDIP FIRE LINE TO BUILDING
3	1 - 2"x2" TEE 1 - 2" GATE AND VALVE BOX 1 - 1" WATER METER ASSEMBLY PER GRU DETAIL W-8.1 (END OF GRU MAINTENANCE) 1 - 1" REDUCED PRESSURE ZONED BACKFLOW PREVENTER 1" PVC POTABLE WATER LINE TO BUILDING
4	1 - 2" CLDI 90° BEND 1 - 2" GATE AND VALVE BOX 1 - 1" WATER METER ASSEMBLY PER GRU DETAIL W-8.1 (END OF GRU MAINTENANCE) 1 - 1" REDUCED PRESSURE ZONED BACKFLOW PREVENTER 2" PVC POTABLE WATER LINE TO BUILDING
5	1 - 6" CLDI 45° BEND 1 - 6" CLDI 90° BEND 1 - 2" GATE AND VALVE BOX 1 - 1" WATER METER ASSEMBLY PER GRU DETAIL W-8.1 (END OF GRU MAINTENANCE) 1 - 1" REDUCED PRESSURE ZONED BACKFLOW PREVENTER 2" PVC POTABLE WATER LINE TO BUILDING
6	1 - 6x6" TEE 2 - 6" GATE VALVE AND BOX 2 - 6"x2" REDUCER 1 - 2" CLDI 90° BEND 1 - 2" GATE VALVE AND BOX 1 - 2" REDUCED PRESSURE ZONED BACKFLOW PREVENTER WITH OS&Y VALVES 2" CLDIP FIRE LINE TO BUILDING
7	CONNECT TO EXISTING 6" WATERMAIN 1 - 6"x6" TAP 1 - 6" CLDI 90° BEND 1 - 6" GATE VALVE AND BOX 1 - 6"x2" REDUCER
8	
9	



No.	Date	Comment

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Professional Engineer of Record:

Claudia S. Vega, P.E. 51532  
Engineer Certificate No.

Project No: 20-033

Project phase: COUNTY SUBMITTAL

Project title:

NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title: UTILITY PLAN

Designed: CSV Sheet No.:

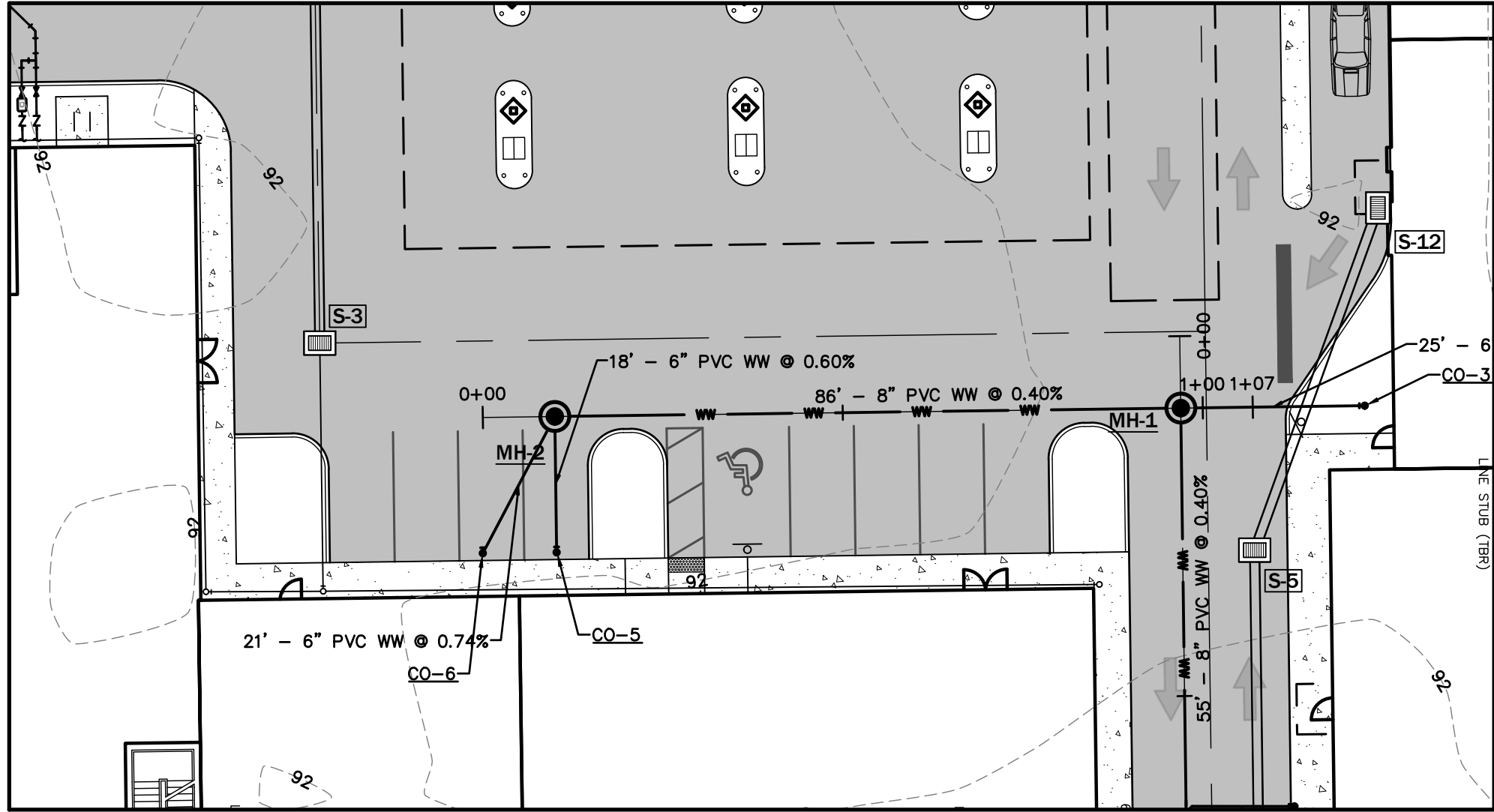
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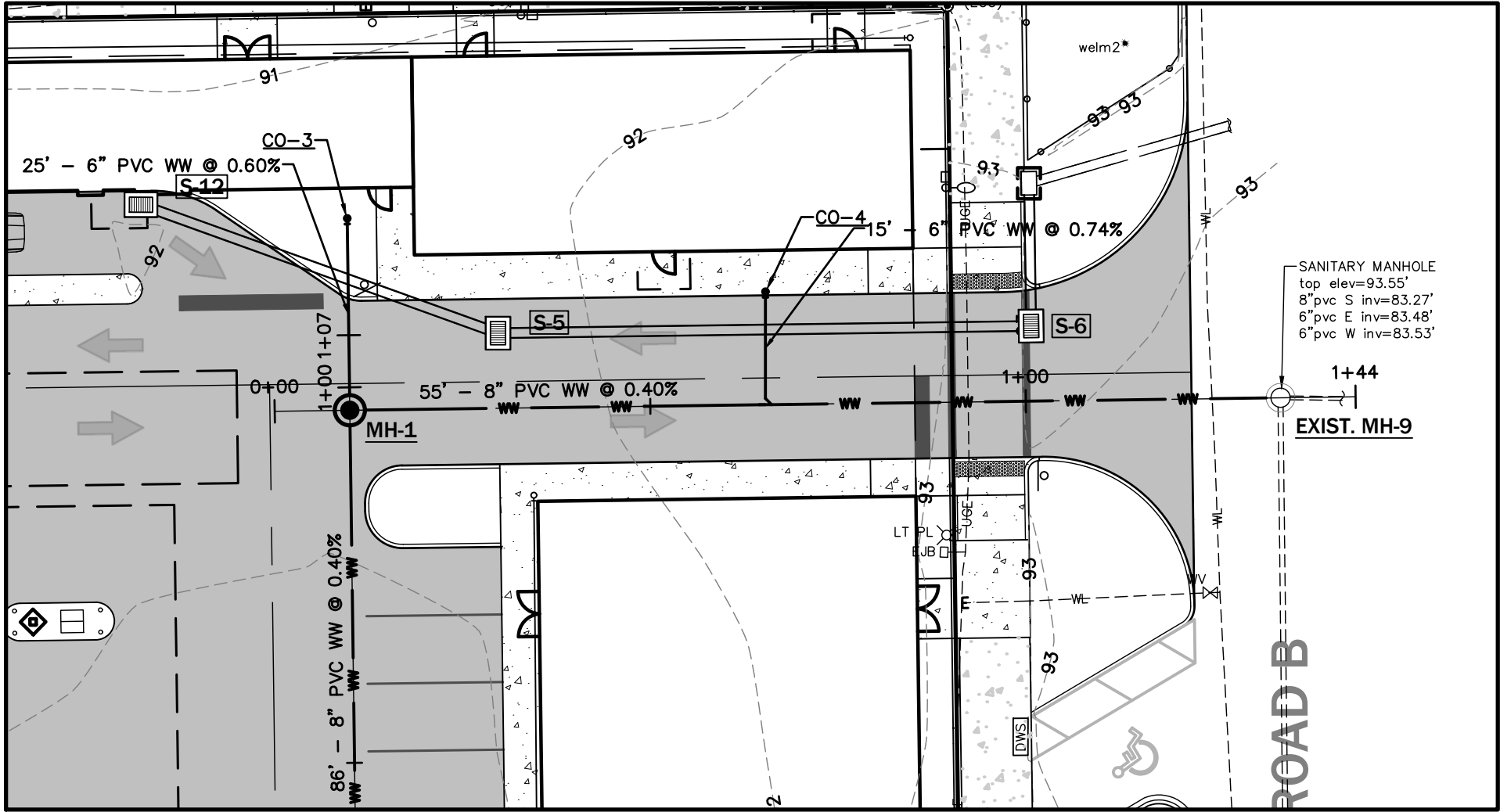
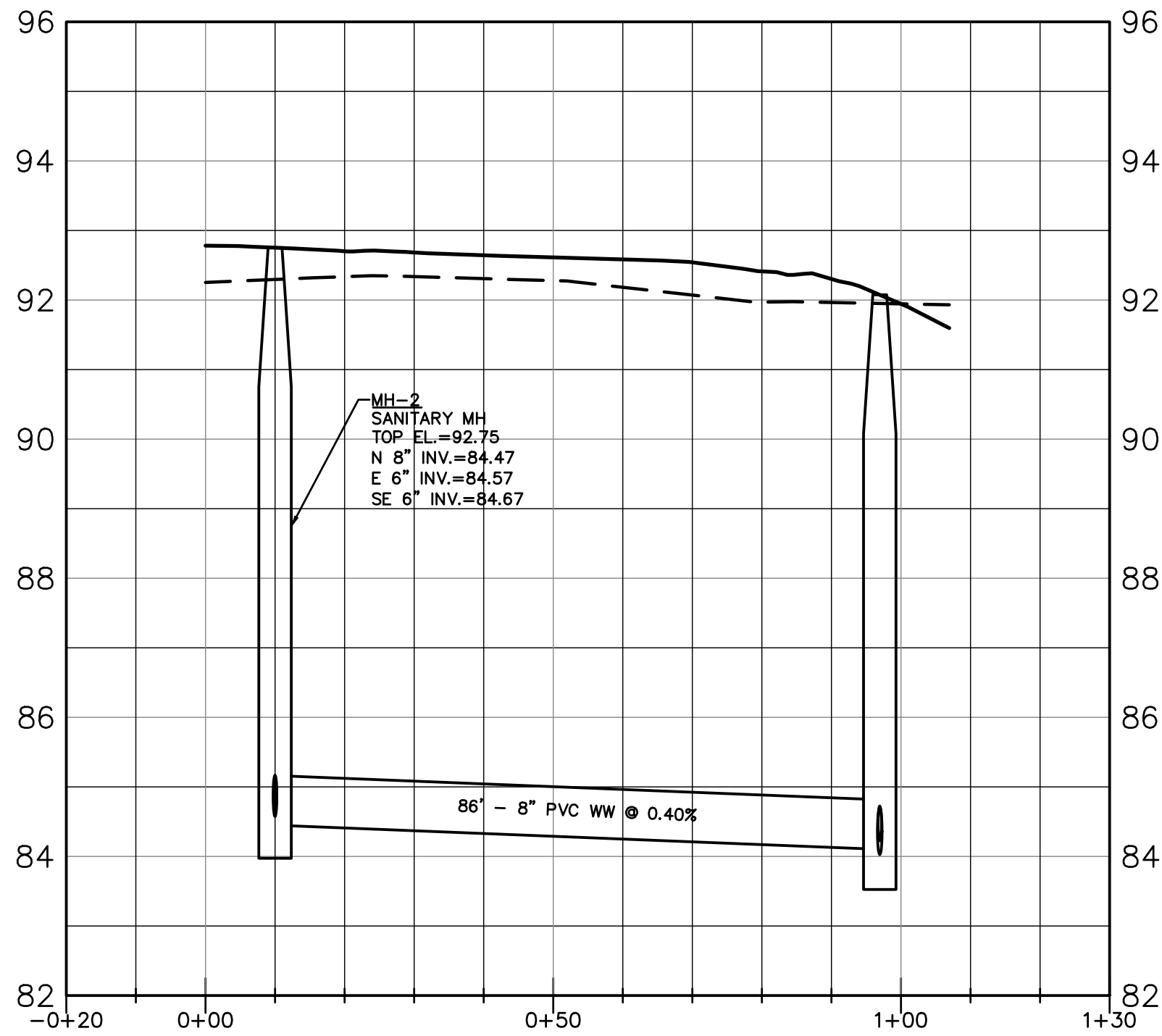
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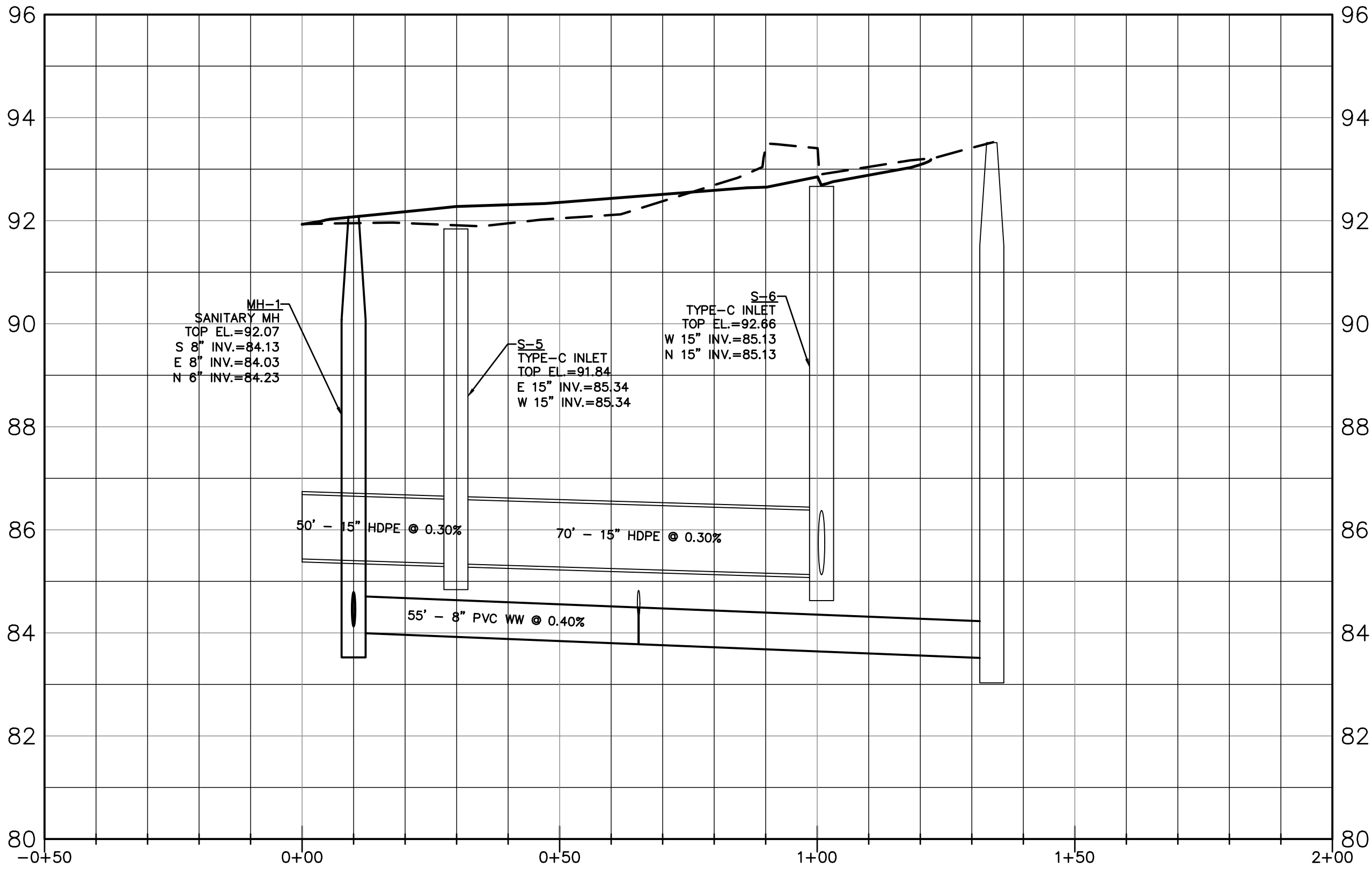




MH-2 TO MH-1 PROFILE



MH-1 TO EXISTING MH PROFILE



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NORTH

SCALE: 1" = 20'



GRAPHIC SCALE

No.	Date	Comment

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Claudia S. Vega, P.E. 51532  
Engineer Certificate No.

Project No: 20-033

Project phase: COUNTY SUBMITTAL

Project title:  
NEWBERRY PARK TND -  
BLOCK 2  
ALACHUA COUNTY,  
FLORIDA

Sheet title:  
SANITARY PLAN AND PROFILE

Designed: CSV	Sheet No.:
Drawn: JB	C410
Checked: TAR	
Date: 04/23/24	