

GENERAL DEVELOPMENT INFORMATION

1. PROPOSED NAME OF PROJECT:

HIGHWAY 55 RESTAURANT – YULEE
2. PROJECT DESCRIPTION:

DRIVE THRU RESTAURANT
3. OWNER:

PARKER NEELY
4. DEVELOPER:

CENTURY EQUITY PARTNERS; 2682 NW NOEGEL ROAD, LAKE CITY, FL 32055
5. CIVIL ENGINEER:

JBROWN PROFESSIONAL GROUP INC.; CONTACT: CHRIS POTTS, P.E. (352) 375–8999,
E–MAIL: CHRIS.POTTS@JBPRO.COM
6. SURVEYOR:

JBROWN PROFESSIONAL GROUP INC.; CONTACT: TROY WRIGHT, PSM (352) 375–8999
7. VICINITY MAP:

SEE MAP THIS SHEET
8. TAX PARCEL NO.'S:

37–2N–27–1950–0007–0000
9. PARCEL AREA:

0.90 ACRES IN SIZE
10. PROJECT AREA:

0.90 ACRES
11. SECTION:

37
12. TOWNSHIP:

2N
13. RANGE:

27
14. FUTURE LAND USE:

INDUSTRIAL
15. ZONING:

IW (INDUSTRIAL WAREHOUSE)
16. FLOODPLAIN:

THIS PROJECT IS NOT LOCATED IN A FEDERAL FLOOD ZONE.
17. UTILITY PROVIDERS:

WATER SOURCE: JACKSONVILLE ELECTRIC AUTHORITY
WASTE WATER: JACKSONVILLE ELECTRIC AUTHORITY
ELECTRIC PROVIDER: FLORIDA POWER & LIGHT
GAS PROVIDER: FLORIDA PUBLIC UTILITIES

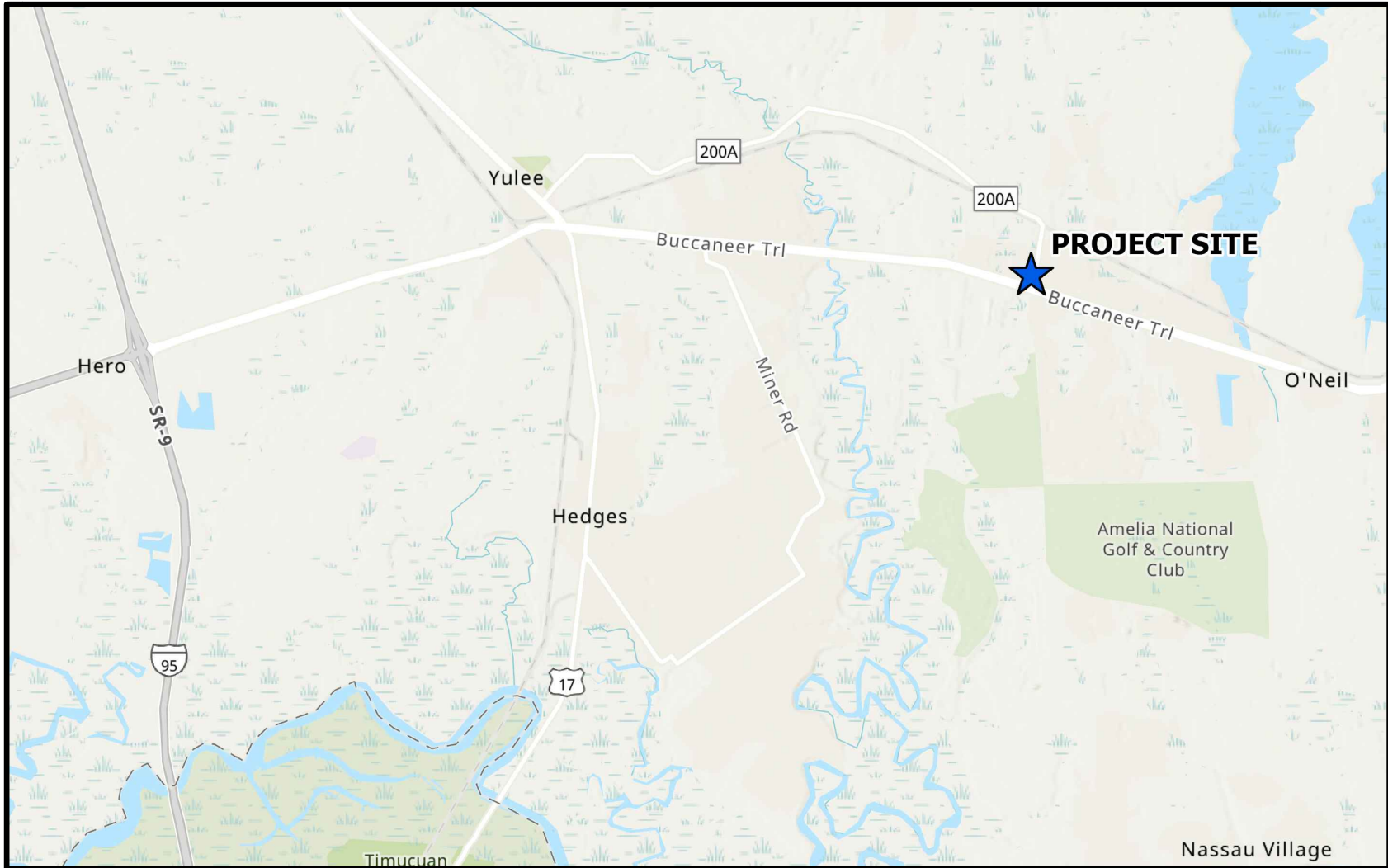
CONSTRUCTION
PLANS OF

HIGHWAY 55
RESTAURANT - YULEE

FOR

CENTURION EQUITY
PARTNERS, LLC

IMPERVIOUS SURFACE RATIO/ISR		
AREA TYPE	SQUARE FOOTAGE	ACREAGE
VEHICLE USE AND PARKING AREA	18,968	0.44 AC
SITE CONCRETE	3,241	0.07 AC
PROPOSED BUILDING	2,500	0.06 AC
TOTAL IMPERVIOUS AREA	24,709	0.57 AC
TOTAL SITE AREA	39,194	0.90 AC
ISR = 24,709 / 39,194 = 63.04%		

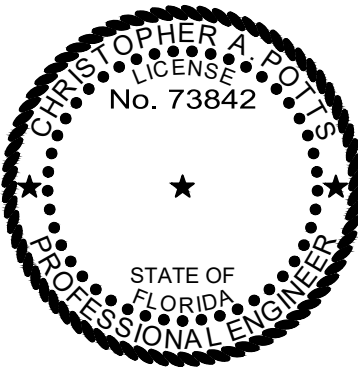


VICINITY MAP
N.T.S.

HIGHWAY 55 RESTAURANT YULEE	
SHEET INDEX	
SHEET NO.	TITLE
C0.0	COVER SHEET
C0.1	LEGEND, ABBREVIATIONS AND NOTES
C0.2	STORMWATER POLLUTION PREVENTION PLAN
C1.0	DEMOLITION PLAN
C1.1	EROSION AND SEDIMENTATION CONTROL PLAN
C2.0	DIMENSION PLAN
C3.0	PAVING, GRADING, AND DRAINAGE PLAN
C4.0	UTILITY PLAN
C4.1–C4.3	UTILITY DETAILS AND NOTES
C5.0	DETAILS AND NOTES
A111	ARCHITECTURAL FLOOR PLAN
A201–A202	ARCHITECTURAL ELEVATION PLANS
LS1	LANDSCAPE
V01–V02	ALTA/NSPS LAND TITLE SURVEY

REVISIONS			
NO.	DATE	DESCRIPTION	DRWN APPR
1	11/15/22	2 ADDITIONAL PARKING SPACES	JUB CAP

ENGINEER OF RECORD:	CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY CHRISTOPHER A. POTTS, PE ON NOVEMBER 21, 2022 USING A DIGITAL SIGNATURE.	
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	



3530 NW 43rd Street Gainesville, Florida 32606 4420 US-1 S, Suite 1 St. Augustine, Florida 32086
Gainesville: (352) 375-8999 St. Augustine: (904) 789-8999 Toll Free: (844) Go-JBPro E-mail: contact@jbpro.com

SHEET TITLE:		COVER SHEET		DATE: NOVEMBER 2022
CLIENT:		PROJECT:		PROJECT NO: 366-22-04
CENTURION EQUITY PARTNERS, LLC LAKE CITY, FL		HIGHWAY 55 - YULEE		SHEET NO: C0.0

1. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES WITHIN THE WORK LIMITS OF ALL IMPROVEMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES DURING CONSTRUCTION. IN THE EVENT THAT A UTILITY CONFLICT OCCURS, CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITY PROVIDER TO COORDINATE REMEDIAL ACTION.
2. WHERE SUBSOIL EXCAVATION IS REQUIRED, THE LIMITS OF EXCAVATION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. EXACT LOCATION OF SUBSOIL EXCAVATION SHALL BE AS DIRECTED BY THE NASSAU COUNTY OR THE GEOTECHNICAL ENGINEER.

3. CONTRACTOR SHALL DISPOSE OF SUBSOIL EXCAVATED MATERIALS (UNSUITABLE FOR FILL) OFF SITE TO A PERMITTED LOCATION OR PER AN APPROVED DISPOSAL PLAN AND LOCATION SITE.
4. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL FOREIGN DEBRIS AND MATERIAL OFFSITE. DISPOSAL METHODS AND LOCATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND REQUIREMENTS.
5. THE CONTRACTOR SHALL FURNISH/INSTALL ALL STREET SIGNS AND SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL REQUIRED STRIPING, STOP BARS, ETC.
6. ALL PAVEMENT CUT/REPAIR WILL BE MADE THE FULL ROAD WIDTH AT LEAST 6 FT WIDE AND REQUIRES APPROVAL FOR CUT AND INSPECTION OF THE REPAIR BY THE NASSAU COUNTY.
7. DRIVEWAYS SHALL BE CONFIGURED TO ENSURE NO PORTION OF CURB INLET FALLS WITHIN DRIVEWAY AND/OR DRIVEWAY TAPER.
8. DRIVEWAYS SHALL BE DESIGNED IN ACCORDANCE WITH THE MOST RECENT FDOT INDEX AND CITY STANDARDS. DRIVEWAYS WILL MEET SETBACK REQUIREMENTS FROM INTERSECTIONS (50FT) AND UTILITY INFRASTRUCTURE (5FT MIN). DRIVEWAYS WITH SIDEWALK CROSSING SHALL MEET CURRENT ADA STANDARDS FOR THE LENGTH OF THE SIDEWALK CROSSING.
9. CONCRETE SIDEWALK CROSSING SHALL BE A MINIMUM OF 4 INCHES THICK AND HAVE A 3,000 PSI COMPRESSIVE STRENGTH.
10. ALL PROPOSED SIDEWALK SEGMENTS NOT ADJACENT TO LOT DRIVEWAYS WILL BE CONSIDERED PRIOR TO NASSAU COUNTY ACCEPTANCE OF SITE IMPROVEMENTS OR BONDED IN-LIEU OF CONSTRUCTION IN A FORM ACCEPTABLE TO THE CITY OF LIVE OAK.
11. EXISTING TOPOGRAPHY INFORMATION DEPICTED IS BASED ON THE PROJECT TOPOGRAPHIC SURVEY CONDUCTED BY JBPRO ON 06/28/2022. THE CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATION GRADES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT WILL AFFECT FINISH GRADE DESIGN FOR PROPER RUNOFF CONDITIONS PRIOR TO CONSTRUCTION. THE ENGINEER WILL ASSIST THE CONTRACTOR IN REVISING ANY GRADING DISCREPANCIES PRIOR TO COMPLETION OF CONSTRUCTION TO ASSURE PROPER GRADING AND RUNOFF CONDITIONS RESULT UPON COMPLETION OF CONSTRUCTION.
12. ALL STRUCTURES SHALL ADHERE TO THE 2020 FLORIDA BUILDING CODE(S), THE 2020 NATIONAL ELECTRIC CODE AND THE 2020 FLORIDA FIRE PREVENTION CODE, AS AMENDED.

1. ALL DRAINAGE CONSTRUCTION, INCLUDING MATERIALS, CONSTRUCTION TECHNIQUES, AND TECHNICAL STANDARDS, SHALL BE IN ACCORDANCE WITH THE FDOT FY 2020-21 STANDARD PLANS.

1. ALL AREAS OF NEW CONSTRUCTION SHALL BE CLEANED AND GRUBBED, 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. TREES TO REMAIN SHALL BE PROTECTED PRIOR TO STARTING CONSTRUCTION AND SHALL BE PROTECTED THROUGHOUT SITE CONSTRUCTION.
2. ALL PROPOSED UNDERGROUND UTILITY INSTALLATIONS WITHIN THE LIMITS OF ROADWAY SUBGRADE, INCLUDING STORMWATER, POTABLE WATER, WASTEWATER, GAS, ELECTRICAL CONDUIT, AND SLEEVES FOR FUTURE UTILITIES, SHALL BE INSTALLED PRIOR TO STABILIZATION OF THE ROADWAY SUBGRADE.
3. ALL NEW ASPHALT PAVEMENT CONSTRUCTION SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
 - A. ASPHALTWORK: FILL MATERIALS SHALL CONFORM TO AASHTO SOIL GROUPS A-1, A-2, A-3, OR A-4. FILL SHALL BE PLACED IN 6" - 12" LOOSE LIFTS AND COMPACTED TO 95% DENSITY USING MODIFIED PROCTOR METHOD (AASHTO T-180).
 - B. SUBSOIL EXCAVATION: THE LIMITS OF SUBSOIL EXCAVATION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. EXACT LOCATIONS OF SUBSOIL EXCAVATION SHALL BE AS DIRECTED BY THE CITY OF LIVE OAK OR THE GEOTECHNICAL ENGINEER.
 - C. STABILIZED SUBGRADE: ALL STABILIZED MATERIAL SHALL CONFORM TO SECTION 914 AND PLACED ACCORDING TO SECTION 160 IN ONE 12" MINIMUM COMPACTED LIFT. SUBGRADE SHALL BE STABILIZED TO A MINIMUM LBR VALUE OF 40 PER DESIGN SECTION.
 - D. BASE COURSE: ALL MATERIAL SHALL BE LIMEROCK CONFORMING TO SECTION 911 AND PLACED ACCORDING TO SECTION 200 IN A SINGLE OR TWO EQUAL COMPACTED LIFTS (PER DESIGN SECTION). 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 TYPE SP STRUCTURAL COURSE (TYPE & THICKNESS PER DESIGN SECTION) AND SHALL CONFORM TO SECTION 334. ALL ASPHALTIC CONCRETE CONSTRUCTION SHALL CONFORM TO SECTION 330.
4. ALL CONCRETE USED FOR CONSTRUCTION OF DRAINAGE STRUCTURES, SIDEWALKS, SPILLWAYS, CURBING, ETC. SHALL BE CLASS I CONFORMING TO SECTION 347.
5. CONCRETE SIDEWALKS AND DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 522.
6. CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN CONFORMANCE TO SECTION 520.
7. REINFORCED CONCRETE PIPE (RCP) SHALL CONFORM TO SECTION 449-4.
8. HIGH DENSITY POLY ETHYLENE (HDPE) SHALL CONFORM TO SECTION 431-2.3 AND 431-3.3.
9. ALL SLOPES OF 4:1 OR GREATER SHALL BE SODDED.

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GEOTECHNICAL TESTING
2. FOR EACH SPECIFIED DESIGN COURSE, SUBGRADE, BASE COURSE, AND PAVEMENT. TESTING REQUIREMENTS SHALL BE PERFORMED IN ACCORDANCE WITH NASSAU COUNTY PUBLIC SERVICES CONSTRUCTION AND INSPECTION STANDARDS AND FDOT CONSTRUCTION AND INSPECTION STANDARDS. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER FOR REVIEW AND APPROVAL OF CONFORMANCE TO DESIGN SPECIFICATIONS PRIOR TO CONSTRUCTION OF THE SUBSEQUENT COURSE.

3. TESTING REPORTS WITH GEOTECHNICAL TESTING RESULTS SHALL DENOTE THE TESTING LOCATIONS.

1. PRIOR TO CONSTRUCTION INSTALLATION OF SPECIFIC WORK SCOPE ITEMS THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTAL INFORMATION TO THE EOR FOR REVIEW AND APPROVAL. THESE SUBMITTALS SHALL INCLUDE SOURCE PROVIDER, MANUFACTURER LITERATURE, CUT SHEETS, DIMENSIONED DRAWINGS, FABRICATION DRAWINGS, SKETCHES, DETAILS AND ANY OTHER INFORMATION NECESSARY FOR THE EOR TO REVIEW AND APPROVE AS TO COMPLIANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS.
3. MATERIALS SHALL NOT BE DELIVERED ONSITE OR INSTALLED UNTIL SUBMITTAL APPROVAL IS PROVIDED BY THE EOR OR EOR'S REPRESENTATIVE.
4. CONTRACTOR IS RESPONSIBLE FOR ANY COST INCURRED TO REVISE ANY WORK COMPLETED PRIOR TO SUBMITTAL APPROVAL. THE OWNER OR EOR ARE NOT RESPONSIBLE FOR COSTS INCURRED IF ANY MATERIALS ARE PURCHASED, DELIVERED OR INSTALLED PRIOR TO SUBMITTAL REVIEW AND APPROVAL.
5. THE CONTRACTOR SHALL PROVIDE A LIST OF SUB-CONTRACTORS THAT WILL BE PERFORMING ANY PHASES OF WORK ON THE PROJECT. THE LIST SHALL INCLUDE NAME OF COMPANY, ADDRESS, PHONE NUMBERS, AND E-MAIL ADDRESSES OF INDIVIDUALS RESPONSIBLE FOR THE SUB-CONSULTANT WORK EFFORT AND THE CONTACT INFORMATION FOR THE INDIVIDUALS IN RESPONSIBLE CHARGE OF PERFORMING THE WORK IN THE FIELD.

1. ALL STORMWATER DRAINAGE FACILITIES WITHIN PUBLIC RIGHT-OF-WAY AND PAVED AREAS, INCLUDING NASSAU COUNTY RIGHT-OF-WAY, TURN LANES, RESIDENTIAL ROADWAYS, DRIVE AISLES FOR MULTI-FAMILY DEVELOPMENTS, AND MAJOR DRIVE AISLES FOR COMMERCIAL DEVELOPMENTS SHALL BE LASER PROFILED PER FDOT SECTION 430.

2. A BUILDER CANNOT MODIFY THE COUNTY'S STORM WATER MANAGEMENT SYSTEM INCLUDING THE PIPES, INLETS, AREA DRAINS, DITCHES AND RELATED ELEMENTS TYPICALLY WITHIN THE STREET OR WITHIN A DRAINAGE EASEMENT WITHOUT THE PRIOR WRITTEN APPROVAL OF THE COUNTY ENGINEER OR DESIGNER.
 3. DRAINAGE EASEMENTS AND DITCHES SHOULD REMAIN FREE OF STOCKPILED SOIL, SEDIMENT, MUD, CONSTRUCTION MATERIALS, WASTE, ET CETERA AT ALL TIMES. POSITIVE, STORMWATER FLOW MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.
 4. THE CONTRACTOR SHALL TEMPORARILY OR PERMANENTLY STABILIZE BARE SOIL AREAS AND STOCKPILES WHEN THE AREA IS INACTIVE FOR FOURTEEN DAYS OR MORE OR HAS REACHED FINISHED GRADE.
 5. PER ORDINANCE 99-17 SECTION 111.11.5.4, ALL GRAVITY FLOW PIPE INSTALLATIONS SHALL HAVE A SOIL TIGHT JOINT PERFORMANCE UNLESS SPECIFIC SITE FACTORS WARRANT WATERTIGHT JOINT PERFORMANCE.
 6. PER ORDINANCE 99-17 SECTION 10.6.5.1, IMMEDIATELY INSTALL ADDITIONAL EROSION PROTECTION SEDIMENT CONTROL MEASURES IF SEDIMENT IS LEAVING YOUR SITE. FAILURE TO CONTAIN SEDIMENT TO YOUR SITE MAY RESULT IN DELAYED INSPECTIONS, NOTICES OF VIOLATION, CITATIONS, FINES, PENALTIES, AND/OR STOP WORK ORDERS.
- PER 99-17 SECTION 101.2.A-5, STORMWATER MANAGEMENT FOR A PROJECT SHALL NOT BE AN ADVERSE EFFECT ON NEARBY ADJACENT PROPERTIES, DOWNSTREAM STRUCTURES, OR RIGHTS OF OTHER LANDOWNERS.

1. PER NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, ORDINANCE 99-17 SECTION 12.2 AND A CONSTRUCTION BOND AND 26-MONTH MAINTENANCE BOND WILL BE REQUIRED FOR ALL WORK WITHIN NASSAU COUNTY RIGHT-OF-WAY.

1. A PRE-PAVE MEETING IS REQUIRED PRIOR TO ANY PAVING OPERATIONS WITHIN NASSAU COUNTY ROW, RESIDENTIAL SUBDIVISIONS, OR MULTI-FAMILY DEVELOPMENTS.
2. APPROVED MIX DESIGNS SHALL BE PROVIDED TO NASSAU COUNTY CONSTRUCTION INSPECTOR 48 HOURS PRIOR TO PRE-PAVE MEETING OR PLACEMENT OF CONCRETE.
3. CONTRACTOR IS REQUIRED TO HAVE A CERTIFIED QC ASPHALT LEVEL II TECHNICIAN ON SITE DURING ALL PAVING OPERATIONS WITHIN NASSAU COUNTY ROW, RESIDENTIAL SUBDIVISION, OR MULTI-FAMILY DEVELOPMENTS.
4. ALL BASES SHALL BE PRIMED IN ACCORDANCE WITH ORDINANCE 99-17 SECTION 11.2.3, NASSAU COUNTY STANDARD DETAILS, AND FOOT STANDARD SPECIFICATIONS.
5. SIGNAGE AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH NASSAU COUNTY STANDARDS, MATERIAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND FOOT STANDARD PLANS.
6. MAINTENANCE OF TRAFFIC (MOT) SHALL BE IN COMPLIANCE WITH FOOT STANDARD INDEX 600 SERIES.
7. ALL WORK, MATERIALS, AND TESTING PERFORMED WITHIN NASSAU COUNTY RIGHT-OF-WAY AND SINGLE-FAMILY/MULTI-FAMILY DEVELOPMENTS SHALL BE IN ACCORDANCE WITH THE CURRENT REVISION OF NASSAU COUNTY'S ORDINANCE 99-17 AND ALL CURRENT NASSAU COUNTY STANDARD DETAILS.
8. PER ORDINANCE 99-17 SECTION 11.9.2, ALL PAVEMENT MARKINGS WITHIN NASSAU COUNTY ROW SHALL BE LEAD FREE THERMOPLASTIC MEETING NASSAU COUNTY AND FOOT STANDARD SPECIFICATION LATEST EDITION.
9. REMOVING PAVEMENT MARKINGS WITHIN NASSAU COUNTY ROW SHALL BE:
 - A. HYDRO-BLASTING ONLY ON CURED ASPHALT SURFACES.
 - B. HYDRO-BLASTING ONLY ON NEW ASPHALT SURFACES.
 - C. PAINT BLACKOUT IS PROHIBITED.
10. PER ORDINANCE 99-17 SECTION 8.5.5, ANY DAMAGE TO PAVEMENT RESULTING FROM CONSTRUCTION OR PAVEMENT MARKING REMOVAL WITHIN PUBLIC ROW NOT PLANNED AS PART OF THE PROJECT SHALL BE MILLED AND OVERLAD FOR ENTIRE WIDTH OF ROADWAY AND LENGTH OF DAMAGE PLUS 50' IN EACH DIRECTION.
11. ALL UNDERGROUND UTILITIES, OR APPROPRIATE CONDUIT SLEEVES, THAT ARE TO BE INSTALLED UNDER PAVEMENT MUST BE INSTALLED PRIOR TO PREPARATION OF THE SUBGRADE FOR PAVEMENT.
12. SINGLE VERTICAL JOINTS IN ROADWAY CONSTRUCTION SHALL BE AVOIDED IN NASSAU COUNTY RIGHT-OF-WAY USING NASSAU COUNTY STANDARD DETAIL #26.
13. ALL DRAINAGE STRUCTURES SHALL HAVE TRAFFIC BEARING GRATES THAT MEET OR EXCEED THE RATING FOR THE FACILITIES EXPECTED TRAFFIC.
14. ALL CONCRETE SHALL BE A MINIMUM OF 3000 PSI WITHIN PUBLIC RIGHT-OF-WAY.

1. ENGINEERING PLANS APPROVAL DOES NOT CONSTITUTE PERMISSION TO VIOLATE ANY ADOPTED FEDERAL, STATE, OR LOCAL LAW, CODE, OR ORDINANCE.	ADJ
2. ALL WORK WITHIN THE PUBLIC STREETS AND RIGHT-OF-WAYS SHALL CONFORM TO NASSAU COUNTY LAND DEVELOPMENT CODES (LDC), FDOT STANDARD INDICES, FLORIDA GREENBOOK, NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, AND NASSAU COUNTY STANDARD DETAILS AS NECESSARY. FOR ANY DISCREPANCY BETWEEN STANDARDS, THE MOST STRINGENT SHALL PREVAIL.	ASPH BC BLDG BM

- | | |
|---|---------------------------------|
| PER NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, ORDINANCE 99-17 SECTION 6.2.4, SITE SHALL BE CONSTRUCTED PER APPROVED CONSTRUCTION DRAWINGS. ANY SUBSTANTIAL DEVIATION SHALL BE CONCURRENTLY REVIEWED BY ENGINEER OF RECORD AND NASSAU COUNTY DEVELOPMENT REVIEW COMMITTEE PRIOR TO FIELD CHANGES. | BSP
BSL
C&G
C1
CATV |
| 4. A PRE-CONSTRUCTION MEETING WITH NASSAU COUNTY ENGINEERING SERVICES, CONSTRUCTION INSPECTOR IS REQUIRED. ATTENDEES SHALL BE NASSAU COUNTY, ENGINEER OF RECORD, CONTRACTOR, TESTING FIRM, PAVING FIRM, AND UTILITY COMPANIES PER NASSAU COUNTY ORDINANCE 99-17 SECTION 7.2.3. NASSAU COUNTY MAY CANCEL PRE-CONSTRUCTION MEETING IF ATTENDEE LIST IS INADEQUATE. NASSAU COUNTY ENGINEERING SERVICES CAN BE REACHED AT 904-530-6225. | CET
CF
CI
CL
CLP |
| 5. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE ALL WORK WITH THE APPROPRIATE NASSAU COUNTY CONSTRUCTION INSPECTOR ASSIGNED TO THE PROJECT PER NASSAU COUNTY ORDINANCE 99-17 SECTION 7.2. | CLF
CMP
CMU |
| 6. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES TO HIS EMPLOYEES AND ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. | CO
COLO
COMM |
| 7. PER NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, ORDINANCE 99-17 SECTION 11.8.1, ANY DISTURBED AREAS WITHIN NASSAU COUNTY RIGHT-OF-WAY SHALL BE SODDED. | CONC
CPE |
| 8. PER NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, ORDINANCE 99-17 SECTION 7.4.1, THE END OF FINAL INSPECTION, GRASSING SHALL BE A MINIMUM OF SEVENTY PERCENT COVERAGE AND FULLY ESTABLISHED AND/OR SODDING TO BE ONE HUNDRED PERCENT COVERAGE AND STABILIZED. | DBI
DEB
DGL |
| 9. ENGINEER OF RECORD APPROVED SHOP DRAWINGS SHALL BE PROVIDED TO NASSAU COUNTY CONSTRUCTION INSPECTOR A MINIMUM OF ONE WEEK BEFORE BEGINNING STRUCTURE INSTALLATION. | DHWL
DIA
DIM |
| 10. PARKING AT MAIL KIOSKS IS REQUIRED PER NASSAU COUNTY ROADWAY AND DRAINAGE STANDARDS, ORDINANCE 99-17 SECTION 8.4. MAIL KIOSK LOCATIONS ARE SUBJECT TO USPS POSTMASTER APPROVAL. | DIP
E/M
EL |
| 11. THE DEVELOPER'S CONTRACTOR IS THE SINGLE RESPONSIBLE PARTY FOR THE PROPER IMPLEMENTATION OF AN EROSION PROTECTION SEDIMENT CONTROL (EPCS) WITHIN EACH LOT OR CONSTRUCTION SITE. THIS INCLUDES THE RESPONSIBILITY FOR THE ACTIONS/IN ACTIONS OF EMPLOYEES, SUBCONTRACTORS, AND/OR SUPPLIERS. | ELEC
EP
EOP |
| 12. SIDEWALKS TO BE PROVIDED AND BUILT IN ACCORDANCE FLORIDA BUILDING CODE. ALL PROPOSED SIDEWALKS SHALL MEET ADA REQUIREMENTS. | ERCP
EX
FC |
| 13. THE CONTRACTOR SHALL COMPLY WITH CURRENT FLORIDA ACCESSIBILITY STANDARDS FOR ALL WORK ON THIS PROJECT. | FCD
FDPEP |
| 14. PER ORDINANCE 99-17 SECTION 8.5.1, MINIMUM COVER FOR WATER LINES AND FORCE MAINS UNDER PAVEMENT SHALL 42" AND 36" IN GREEN AREAS. | FDOT
FF |
| 15. ALL WATER, SEWER, AND STORM WATER CONSTRUCTION WITHIN NASSAU COUNTY ROW SHALL BE ACCOMPLISHED BY AN UNDERGROUND UTILITY CONTRACTOR LICENSED UNDER THE PROVISIONS OF CHAPTER 409 OF THE FLORIDA STATUTES. | FG
FH
FL |
| 16. NO WORK SHALL BE PERMITTED BETWEEN THE HOURS OF 7:00 PM - 7:00AM WITHOUT PRIOR APPROVAL FROM NASSAU COUNTY ENGINEERING SERVICES. | FL
FLC
FM |
| 17. ALL TREES REQUIRED TO BE PROTECTED SHALL BE FLAGGED FOR PROTECTION PRIOR TO CANCELING. | FO
FOF |
| 18. ALL GRADING AND PLACEMENT OF COMPACTED FILL SHALL BE IN ACCORDANCE WITH THE LATEST NASSAU COUNTY SPECIFICATIONS. | FT
FTT |
| 19. ANY DAMAGES (SIDEWALK, CURB, ASPHALT, DITCH GRADING, ETCETERA) WITHIN PUBLIC RIGHT-OF-WAY SHALL BE REPAIRED OR REPLACED IN ACCORDANCE WITH NASSAU COUNTY SPECIFICATIONS. PROPOSED REPAIR METHOD SHALL BE APPROVED BY NASSAU COUNTY ENGINEERING SERVICES. | FUT
GALV
GV |
| 20. ANY ASPHALT MILLINGS FROM NASSAU COUNTY ROW SHALL BE DELIVERED TO THE ROAD DEPARTMENT LAYDOWN YARD LOCATED ON GENE LASSENER BOULEVARD OR PEA FARM ROAD. PLEASE CONTACT THE ROAD DEPARTMENT AT (904) 530-6175. | IRR
LAT |
| 21. PER NASSAU COUNTY ORDINANCE 99-17 SECTION 7.4.2 AND 7.4.4, AS-BUILT DRAWINGS SHALL BE SUBMITTED TO NASSAU COUNTY BEFORE A FINAL INSPECTION CAN BE SCHEDULED. AS-BUILT SUBMITTALS WILL BE IN ACCORDANCE WITH NASSAU COUNTY QUALITY ASSURANCE CHECKLIST. AS-BUILT DRAWINGS SHALL BE CERTIFIED BY REQUIRED LICENSED SURVEYOR AND APPROVED BY ENGINEER OF RECORD. | LBR
LONG |

THE CONTRACTOR IS REQUIRED TO FILE THE FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION (FDEP) NOTICE OF INTENT (NOI) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (CGP) (RULE 62-621.300(4), F.A.C.). CONSTRUCTION ACTIVITY SHALL NOT COMMENCE PRIOR TO OBTAINING AN ACKNOWLEDGEMENT FROM FDEP. NOI MUST BE COMPLETED, THE PROJECT MUST BE REGISTERED BY THE GENERIC PERMIT, AND THE PROJECT IDENTIFICATION NO. IS ESTABLISHED. CONTRACTOR SHALL PROVIDE THE EOR AND PROPERTY OWNER WITH A COPY OF THE FDEP

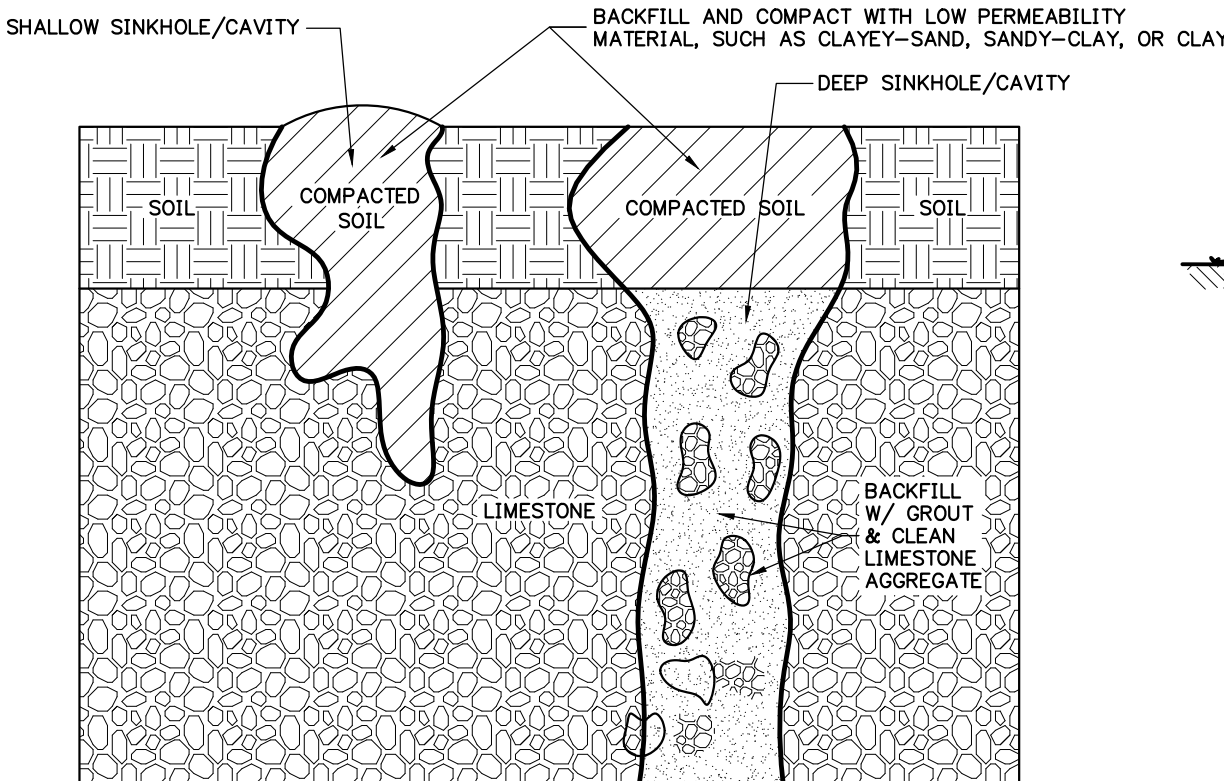
3. THE CONTRACTOR SHALL ABIDE BY THE REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND COPF AT ALL TIMES THROUGHOUT CONSTRUCTION, AND UTILIZE ALL APPROPRIATE BEST PRACTICES (BMP'S) REQUIRED TO PREVENT EROSION AND SEDIMENTATION DISCHARGE OFFSITE DURING CONSTRUCTION.
4. SEDIMENTATION AND EROSION CONTROL BMP'S SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013, OR LATEST UPDATE. THE CONTRACTOR IS RESPONSIBLE TO UTILIZE ALL BMP'S, AS NECESSARY THROUGHOUT CONSTRUCTION, AND MAY UTILIZE MULTIPLE BMP'S OR OTHER MEANS AND METHODS DEEMED APPROPRIATE TO CONTROL EROSION AND SEDIMENTATION DISCHARGE.
5. THE CONTRACTOR SHALL UTILIZE A STATE OF FLORIDA CERTIFIED EROSION & SEDIMENTATION CONTROL (ESC) INSPECTOR DURING CONSTRUCTION TO ABIDE BY THE TERMS OF THE NOI PERMIT COVERAGE. AT A MINIMUM THE CERTIFIED INSPECTOR SHALL INSPECT ALL DISCHARGE POINTS, DISTURBED AREAS, STORAGE AREAS, AND ALL CONSTRUCTION ENTRANCES/EXITS AT LEAST ONE EVERY SEVEN (7) DAYS AND AFTER EVERY 1/2 INCH OR GREATER STORM EVENT. MAJOR OBSERVATIONS AND INCIDENTS OF NON-COMPLIANCE SHOULD BE RECORDED IN THE INSPECTION REPORT, AS WELL AS CORRECTIVE ACTION TAKEN TO MAINTAIN COMPLIANCE. UNLESS OTHERWISE SPECIFIED, THE REPORT MUST OCCUR WITHIN SEVEN (7) CALENDAR DAYS OF THE INSPECTION. THESE INSPECTIONS MUST BE DOCUMENTED AND SIGNED BY A QUALIFIED INSPECTOR AS DEFINED BY THE COP. THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE SWPPP AND THE COP WHEN THE REPORTS DO NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
6. UPON SATISFACTORY COMPLETION OF THE PROJECT CONSTRUCTION AND SITE STABILIZATION, THE CONTRACTOR SHALL PROVIDE STORMWATER NOTICE OF TERMINATION (NOT) (RULE 62D-621.300(6), F.A.C.) WITH FDPF. THE PERMIT COVERAGE IS DEEMED COMPLETE WHEN ALL SOIL DISTURBING CONSTRUCTION ACTIVITIES ARE COMPLETE AND STABILIZATION OF ALL DISTURBED OPEN AREAS HAVE REACHED AT LEAST 70% VEGETATIVE COVER OR OTHER PERMANENT STABILIZATION IS IN PLACE. A COPY OF THE NOT SHALL BE PROVIDED TO THE EOR AND PROPERTY OWNER.

ADJACENT	MES	MITERED END SECTION
ASPHALT	MH	MANHOLE
BACK OF CURB	MIN	MINIMUM
BUILDING	N/A	NOT APPLICABLE
BENCHMARK	NG	NATURAL GRADE
BEGINNING OF PROFILE	NO	NUMBER
BUILDING SETBACK LINE	NTS	NOT TO SCALE
CURB & GUTTER	OC	ON CENTER
CURVE ONE	PCPE	PERFORATED CORRUGATED
CABLE TELEVISION	PE	POLYETHYLENE PIPE
CURB END TAPER	POB	POINT OF BEGINNING
CUBIC FEET	POE	POINT OF ENDING
CAST IRON	PL	PROPERTY LINE
CAST-IN-PLACE	PRVT	PRIVATE
CENTER LINE	PR1	PRIMARY
CHAIN LINK FENCE	PS1	POUNDS PER SQUARE INCH
CORRUGATED METAL PIPE	PT	PRESSURE TREATED (NON
CONCRETE MASONRY UNIT	PUD	PLANNED URBAN DEVELOP
CLEAN OUT	PVI	POINT OF VERTICAL INTER
CITY OF LIVE OAK	PVC	POLYVINYL CHLORIDE
COMMUNICATIONS	PVMT	PAVEMENT
CONCRETE	P&P	PLAN & PROFILE
CORRUGATED POLYETHYLENE PIPE	R/W	RIGHT OF WAY
CUBIC YARD	R1'	ONE FOOT RADIUS
DITCH BOTTOM INLET	RB	REACTION BLOCK
DEGREES	RCP	REINFORCED CONCRETE P
DESIGN HIGH WATER LEVEL	REF	REFERENCE
DIAMETER	RPBFP	REDUCED PRESSURE BACK
DIMENSION	REQ'D	REQUIRED
DUCTILE IRON PIPE	RT	RIGHT
EASEMENT	RW	RESILIENT WEDGE
ELEVATION	S/W	SIDEWALK
ELECTRIC	SEC	SECONDARY
END OF PROFILE	SF	SQUARE FEET
EDGE OF PAVEMENT	SPA	SPACE
ELLIPTICAL REINFORCED CONCRETE PIPE	SRVMD	SUWANNEE RIVER WATER
EXISTING	SS	SANITARY SEWER
FACE OF CURB	SSL	STAINLESS STEEL
FIRE DEPARTMENT CONNECTION	ST	STORM
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION	ST	STREET
FLORIDA DEPARTMENT OF TRANSPORTATION	STA	STATION
FINISH FLOOR	STD	STANDARD
FINISH GRADE	STL	STEEL
FIRE HYDRANT	SY	SQUARE YARD
FIRE LINE	TBC	TRAFFIC BEARING COVER
FLOW LINE	TBM	TEMPORARY BENCHMARK
FORCE MAIN	TEL	TELEPHONE
FIBER OPTIC	TFMR	TRANSFORMER
FLOOD PLAIN	TV	TELEVISION
FEET	TW	TOP OF WALL
FUTURE	TYP	TYPICAL
GALVANIZED	UD	UNDER DRAIN
GATE VALVE	UTIL	UTILITIES
HANDICAP	VEH	VEHICLE
IRRIGATION	W/	WITH
LINEAR FEET	W/WW	WATER/WASTEWATER
LATITUDE	WM	WATER MAIN
LIMEROCK BEARING RATIO	WS	WATER SERVICE
LONGITUDE	WW	WASTEWATER
LIGHT	YR	YEAR
LEFT		
MAINTENANCE		
MAXIMUM		

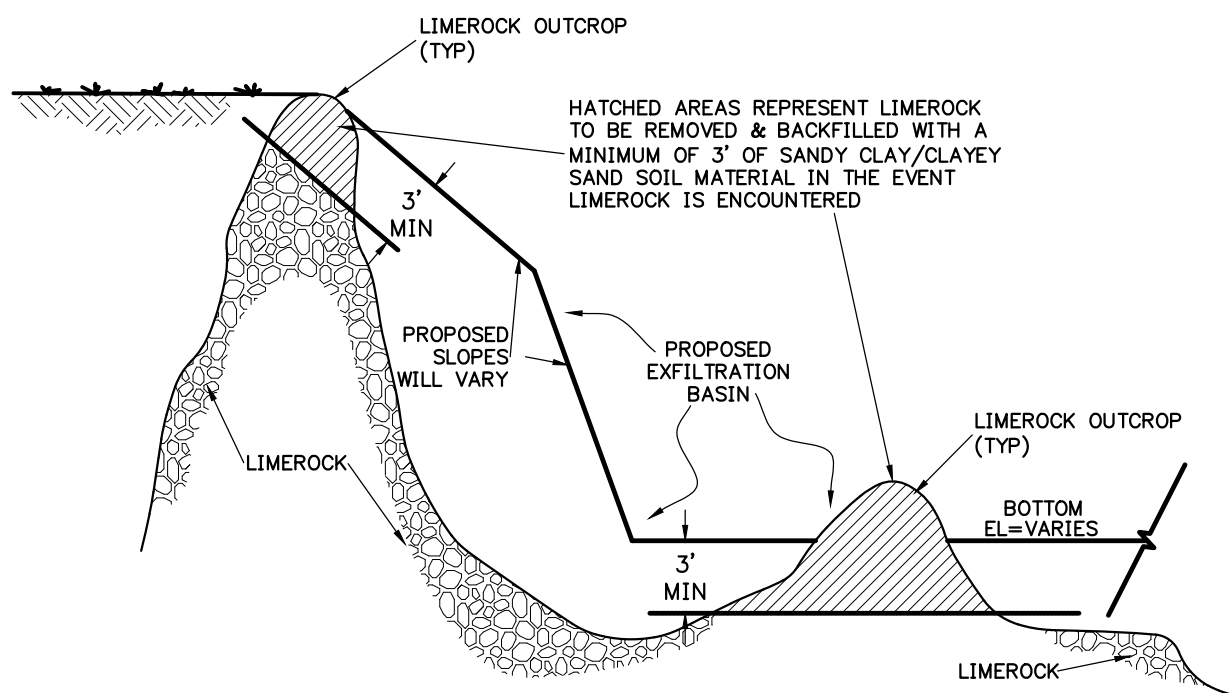
	EST		EXISTING STORM SEWER LINE
	EWV		EXISTING SANITARY SEWER LINE
	EGAS		EXISTING GAS SERVICE LINE
	ECATV		EXISTING CATV & TELEPHONE LINE
	EUE		EXISTING UNDERGROUND ELECTRIC LINE
	EWM		EXISTING WATER MAIN
	-76-		EXISTING CONTOUR LINE
	X X X		EXISTING FENCE
	+89.8		NATURAL GROUND SPOT ELEVATION
	9 LA (2060)		EXISTING TREE TO REMAIN
	9 LA (2221)		EXISTING TREE TO BE REMOVED
			PROPOSED ASPHALT PAVEMENT
			PROPOSED CONC PAVEMENT/SIDEWALK
	87		PROPOSED FINISH ELEVATION CONTOUR
	35.00		PROPOSED FINISH SPOT ELEVATION
			PROPOSED DIRECTIONAL FLOW ARROW
			DRAINAGE AREA DIVIDE
	/// /// ///		PROPOSED SILT FENCE
	T T T		PROPOSED TREE BARRICADE FENCE
			PROPOSED CENTERLINE
	ST		PROPOSED STORM SEWER LINE
	WM		PROPOSED WATER MAIN
	PE		PROPOSED PRIMARY ELECTRIC SERVICE CONDUIT
	SE		PROPOSED SECONDARY ELECTRIC SERVICE CONDUIT
	GAS		PROPOSED GAS MAIN
	TEL		PROPOSED CATV & TELEPHONE SERVICE
	CATV		PROPOSED CATV & TELEPHONE SERVICE
	WW		PROPOSED WASTEWATER
	SSFM		PROPOSED SANITARY SEWER FORCE MAIN
			PROPOSED PUE
			PROPOSED DRAINAGE SWALE
			RIGHT-OF-WAY
			PROPOSED PVC SANITARY SEWER SERVICE LATERAL WITH CLEANOUT
			GRAVEL FILTER BAGS
			FILTER BAGS

1. IN THE EVENT THAT A LIMEROCK OUTCROP IS ENCOUNTERED DURING CONSTRUCTION OF THE RETENTION BASINS, THE FOLLOWING TREATMENT SHALL BE PERFORMED:

- THE LIMEROCK OUTCROP SHALL BE EXCAVATED TO AN ELEVATION OF THREE (3) FEET BELOW THE DESIGN BASIN BOTTOM. THE EXCAVATED AREA SHALL BE BACKFILLED TO THE DESIGN BASIN BOTTOM ELEVATION WITH LAYT-SAND/SAND/CLAY (ASTM D 1557 CLASS 42) SOILS. THE EXCAVATED AREA OF THE INTERIOR OF THE BASIN SHALL BE LIFTED WITH LIFTING BEAMS HEAVILY LOADED RUBBER TIRE EQUIPMENT. BOTH SRJMW AND NASSAU COUNTY SHALL BE RESPONSIBLE FOR WHEN LIMEROCK OUTCROPS ARE ENCOUNTERED AND PRIOR TO COMMENCING REMEDIAL ACTION.
2. IN THE EVENT THAT ANY KARST FEATURES, SUCH AS SOLUTION CAVITIES, CHIMNEYS, OR SINKHOLES APPEAR IN THE RETENTION BASIN, THE FOLLOWING ACTIONS SHALL BE REQUIRED:
- A. JBRPO, SRJMW, AND NASSAU COUNTY SHALL BE NOTIFIED WHEN THE FEATURE IS ENCOUNTERED AND PRIOR TO REMEDIAL ACTION.
 - B. A LICENSED GEOLOGICAL ENGINEERING FIRM SHALL BE RETAINED TO EVALUATE THE EXTENT AND CHARACTER OF THE FEATURE AND TO DEVELOP A REMEDIAL ACTION NECESSARY. SEE SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL.
 - C. THE GEOLOGICAL ENGINEERING FIRM SHALL BE REQUIRED TO MONITOR THE REMEDIAL ACTION AND TO SUBMIT A SUMMARY REPORT UPON REPAIR COMPLETION TO JBRPO, SRJMW, AND NASSAU COUNTY.



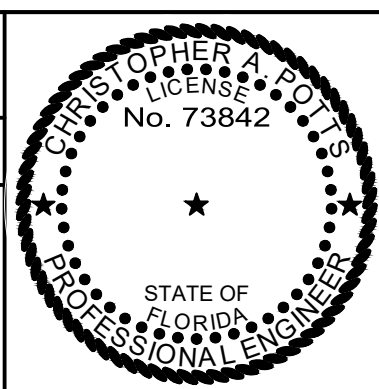
SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL



SECTION VIEW LIMEROCK OUTCROP REMOVAL DETAIL
NTS

[illegible]

ENGINEER OF RECORD:	CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY CHRISTOPHER A. POTTS, PE ON NOVEMBER 21, 2022 USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	



JBP^{ro}
CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES

3530 NW 43rd Street | Gainesville, Florida 32606
4420 US-1 S, Suite 1 | St. Augustine, Florida 32086

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE:

CENTURION EQUITY
PARTNERS, LLC
LAKE CITY, FL

PROJECT:

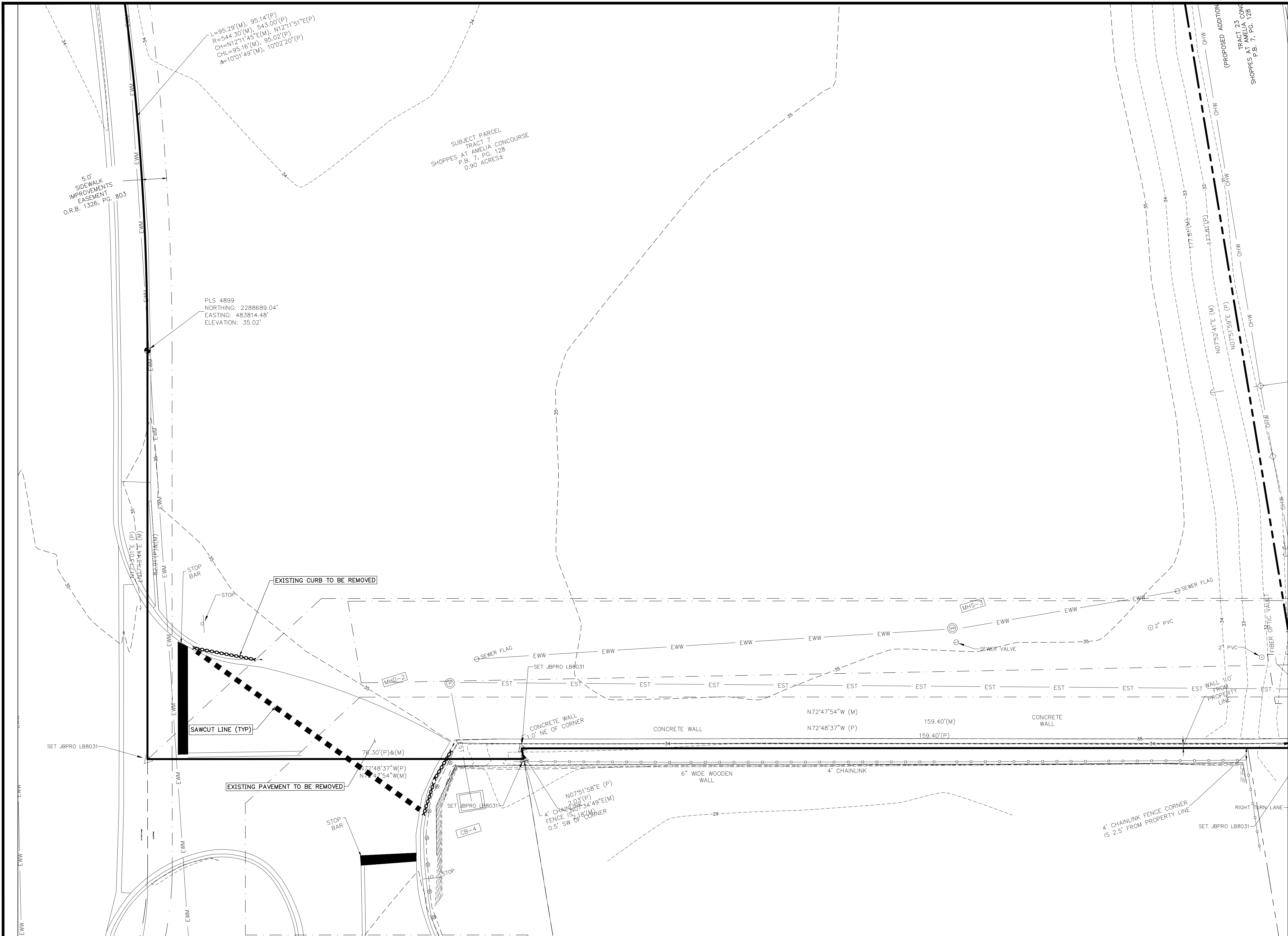
HIGHWAY 55 - YULEE

DATE:
NOVEMBER 2022

366-22-04

SHEET NO:

C0.1

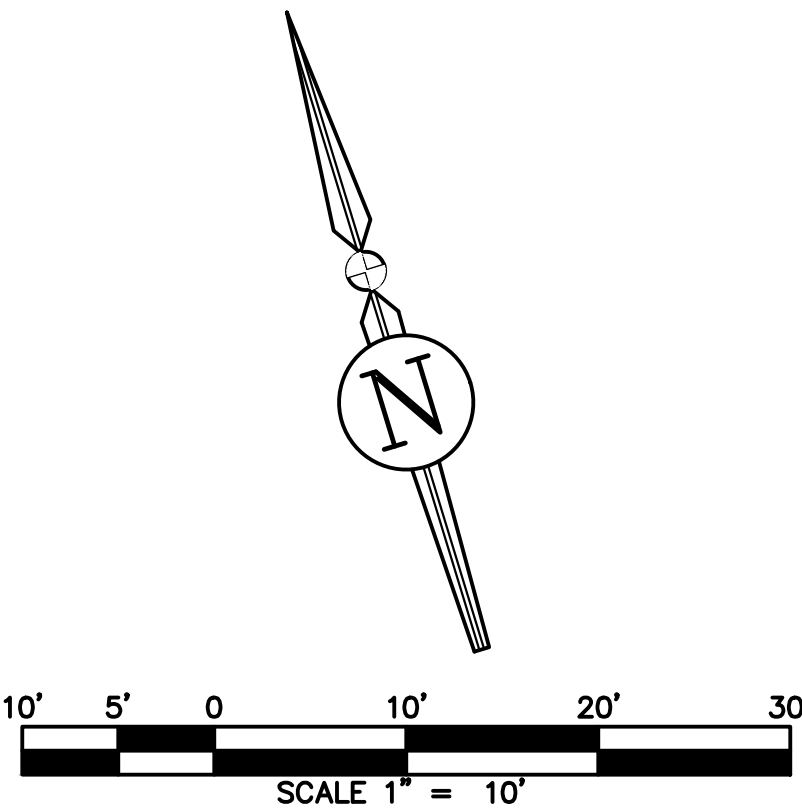


GENERAL DEMOLITION NOTES

1. PRIOR TO DEMOLITION AND CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO VERIFY THE LOCATION OF ALL ABOVE GROUND AND UNDERGROUND UTILITIES TO BE REMOVED OR RELOCATED.
2. CONTRACTOR IS RESPONSIBLE FOR ALL SITE DEMOLITION AND MATERIAL REMOVAL. IN ADDITION TO THE DEMOLITION SHOWN, THE CONTRACTOR SHALL REMOVE ALL MISCELLANEOUS TRASH, DEBRIS, FENCING ETC., IN ORDER TO PROVIDE A CLEAN CONSTRUCTION SITE.
3. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL DEMOLITION MATERIAL OFF SITE. DISPOSAL METHODS AND LOCATIONS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
4. REMOVAL OF ALL CONSTRUCTION DEBRIS, LIMESTONE, 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 RANGE OF 5.5 - 6.5.
5. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL DESIGNATE A TEMPORARY CONSTRUCTION ENTRANCE AND STOCKPILE AREA.

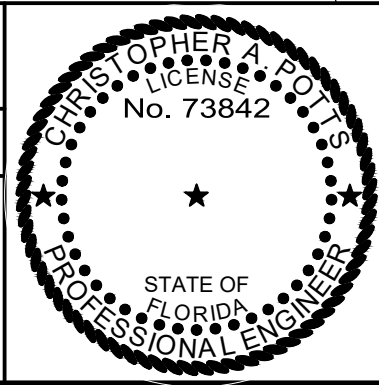
LEGEND

- - - - - EXISTING FENCE TO BE REMOVED
- XXXXXX EXISTING CURB TO BE REMOVED
- SAWCUT EXISTING END OF ROAD



REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD:		CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY CHRISTOPHER A. POTTS, PE ON NOVEMBER 21, 2022 USING A DIGITAL SIGNATURE.		
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.		

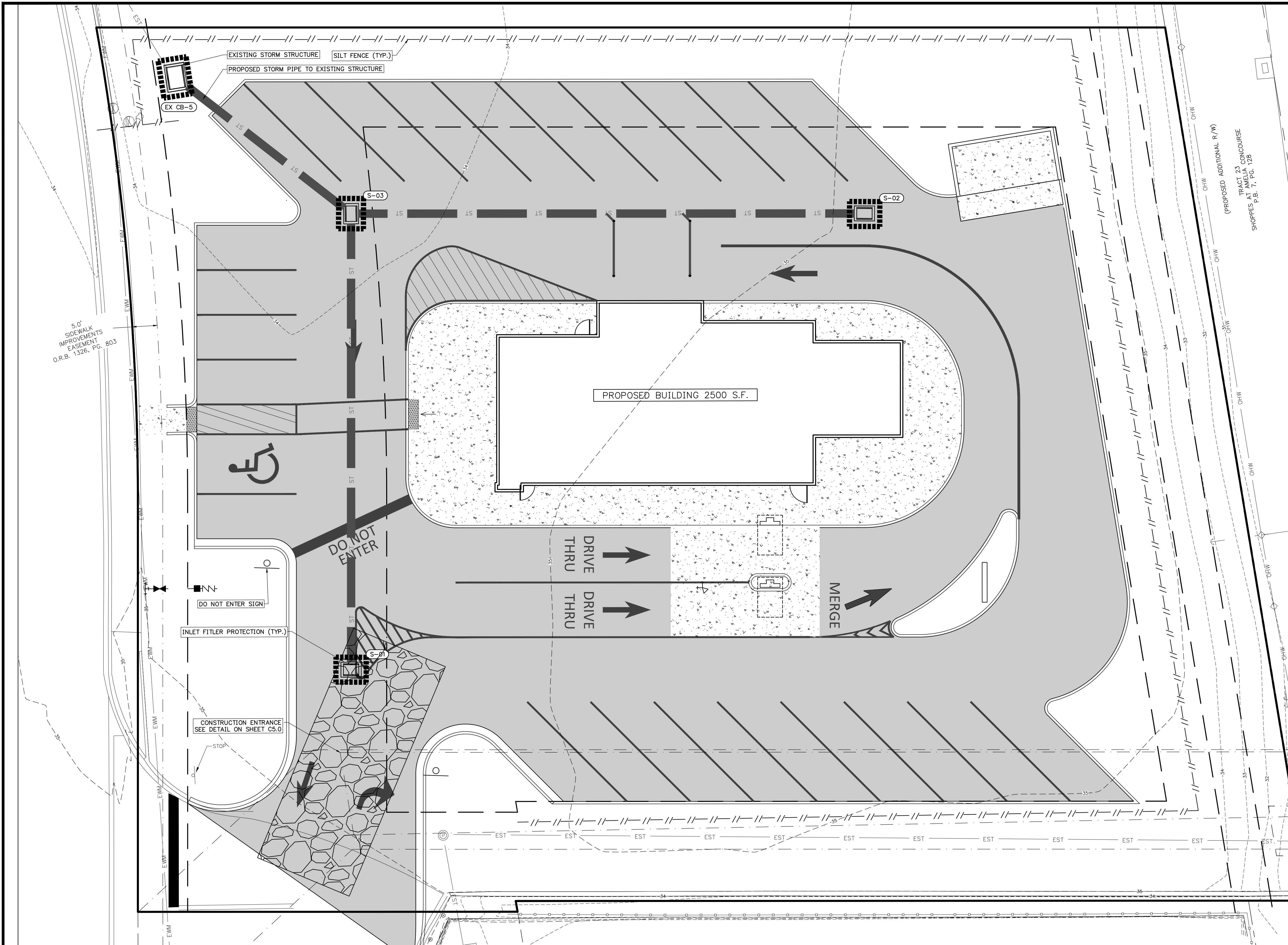


JBPro
CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES

3530 NW 43rd Street | Gainesville, Florida 32606
4420 US-1 S, Suite 1 | St. Augustine, Florida 32086

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE:		DATE:	
CENTURION EQUITY PARTNERS, LLC LAKE CITY, FL		NOVEMBER 2022	
		PROJECT NO:	
		366-22-04	
PROJECT:		SHEET NO:	
HIGHWAY 55 - YULEE		C1.0	

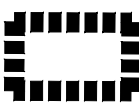


EROSION AND SEDIMENTATION CONTROL NOTES

1. THE CONTRACTOR SHALL UTILIZE THE EROSION AND SEDIMENTATION CONTROL PLAN AS A GENERAL GUIDE AND DIRECTION FOR MINIMUM CONTROL MEASURES. CONTRACTOR SHALL UTILIZE EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED TO MINIMIZE EROSION AND SEDIMENTATION BUILDUP ONSITE AND TO PREVENT EROSION AND SEDIMENTATION DISCHARGE OFF PROPERTY.
2. CONTRACTOR SHALL EMPLOY AN FDEP CERTIFIED EROSION AND SEDIMENTATION CONTROL INSPECTOR TO MONITOR THE CONTRACTOR'S EROSION AND SEDIMENTATION CONTROL WORK EFFORT THROUGHOUT CONSTRUCTION.
3. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY, AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.
4. SILT FENCING AND OTHER SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION. ALL STORM DRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL (JUNE 2007) TO PREVENT SEDIMENT DISCHARGE TO THE EXISTING STORMWATER MANAGEMENT SYSTEM.
5. PROTECT EXISTING STORMWATER INLET STRUCTURES WITH FILTER FABRIC OR OTHER EROSION CONTROL DEVICE TO PREVENT SEDIMENTS FROM ENTERING STORM SEWER SYSTEM.
6. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND AFTER 1/2" OR GREATER RAINFALL. ANY DEFICIENCIES DISCOVERED SHALL BE REPAIRED, ADJUSTED, OR IMPROVED AS REQUIRED.
7. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE AND APPROVED, AND VEGETATION IS FULLY ESTABLISHED.
8. CONTRACTOR SHALL MINIMIZE AIR POLLUTION FROM PARTICULATES AND DUST. WATER SHALL BE APPLIED AS NEEDED TO REDUCE DUST DURING CONSTRUCTION. USE OTHER STABILIZATION METHODS SUCH AS HYDROMULCHING AS NEEDED.
9. CONTRACTOR SHALL STOCKPILE AND STORE MATERIALS SUCH THAT STORMWATER FLOW IS NOT IMPEDED DURING CONSTRUCTION AND MATERIAL EROSION DOES NOT OCCUR.
10. ALL DISTURBED OPEN AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE COMPLETELY GRASSED BY COMPLETION OF CONSTRUCTION. GRASS SEEDING RATES AND MIXTURES SHALL BE PER FDOT EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL (JULY 2013). EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.
11. THE STORM SEWER SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.

LEGEND

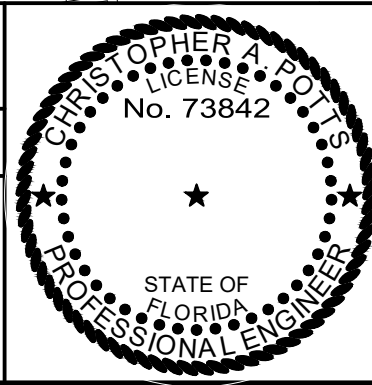
--- SILT-FENCE BARRIERS PER FDOT EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (JUNE 2007)



FILTER CLOTH INLET PROTECTION

REVISIONS				DRWN	APPR
NO.	DATE	DESCRIPTION			

ENGINEER OF RECORD:		CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842
THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY CHRISTOPHER A. POTTS, PE ON NOVEMBER 21, 2022 USING A DIGITAL SIGNATURE.		
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.		



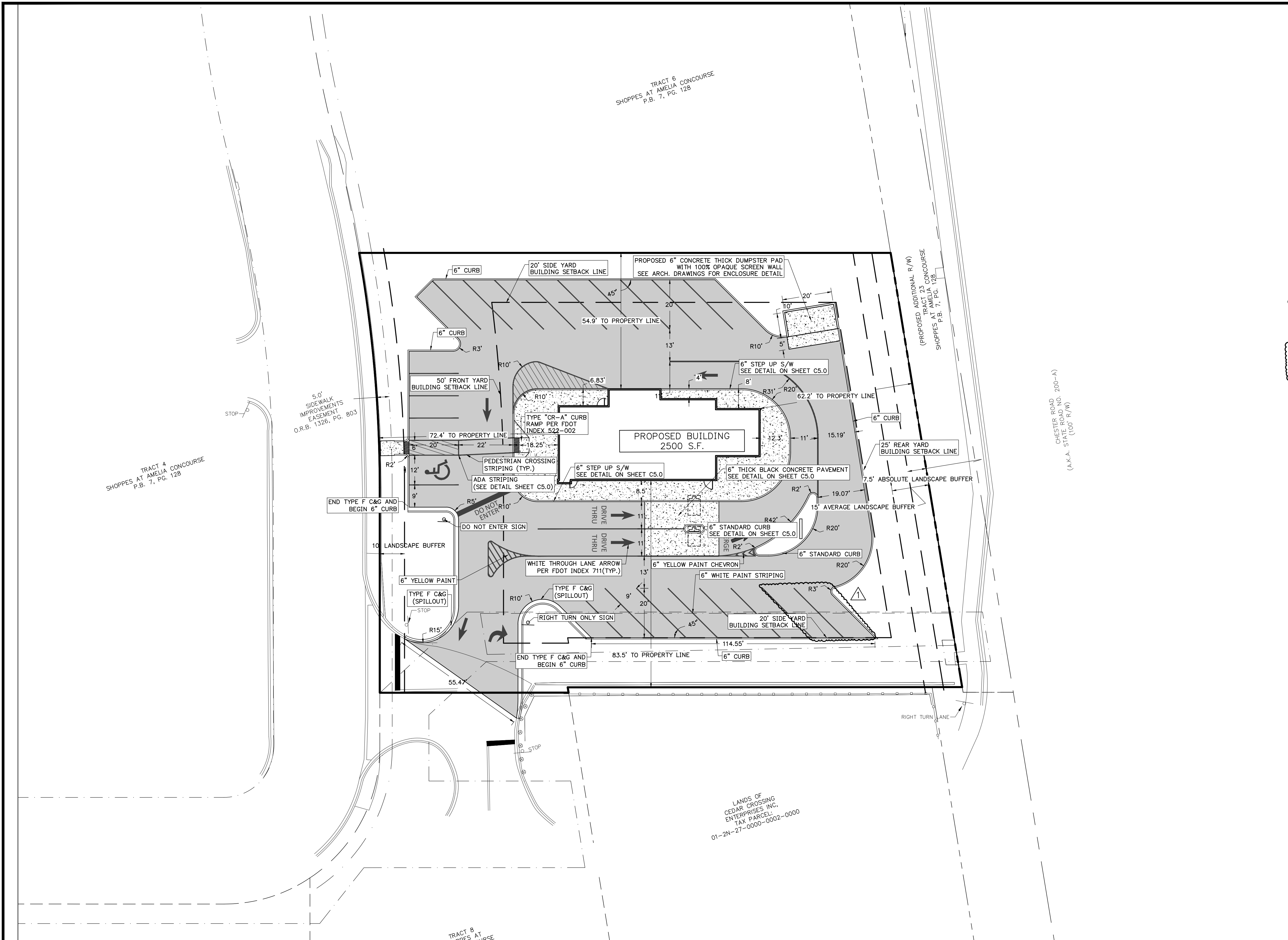
JBPro
CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES

3530 NW 43rd Street | Gainesville, Florida 32606
4420 US-1 S, Suite 1 | St. Augustine, Florida 32086
Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE:
EROSION AND SEDIMENTATION CONTROL PLAN
CLIENT:
CENTURION EQUITY PARTNERS, LLC
LAKE CITY, FL

PROJECT:
HIGHWAY 55 - YULEE

DATE:
NOVEMBER 2022
PROJECT NO:
366-22-04
SHEET NO:
C1.1



GENERAL DEVELOPMENT NOTES

OWNER: CENTURION EQUITY PARTNERS, LLC

AGENT: J.BROWN PROFESSIONAL GROUP, INC
3530 NW 43RD STREET
GAINESVILLE, FL 32606

JURISDICTION: NASSAU COUNTY
PARCEL NUMBER: 13-025-13E-04969-004000
ZONING: IW (INDUSTRIAL WAREHOUSE)
LAND USE: INDUSTRIAL
SETBACKS:
1. FRONT = 50'
2. REAR = 25'
3. SIDE = 20'

BUFFER WIDTH: A PERMITTED OR PERMISSIBLE USES (UNLESS OTHERWISE SPECIFIED) ERECTED OR EXPANDED ON LAND ABUTTING A RESIDENTIAL DISTRICT, OR PROPERTY USED FOR RESIDENTIAL PURPOSES IN A RESIDENTIAL/OFFICE DISTRICT SHALL PROVIDE A LANDSCAPED BUFFER WHICH SHALL BE AT LEAST TEN FEET IN WIDTH ALONG THE AFFECTED REAR AND/OR SIDE YARDS AS THE CASE MAY BE.

PARKING SPACE SIZE: 9'x20'
PARKING AISLE SIZE: 24'
INGRESS AND EGRESS SIZE: 24'
LOT COVERAGE: FAR < 1.0
2,500 SF/39,204 = 0.06 < 1.0

PARKING CALCULATIONS:

BUILDING TYPE: RESTAURANT
CODE REQUIREMENT: 1 SPACE PER 4 SEATS
SEATING CAPACITY: 1 SPACE PER 2 EMPLOYEES
PARKING REQUIRED: 61 SEATS x 1 SPACE / 4 SEATS
+ 8 EMPLOYEES X 1 SPACE / 2 EMPLOYEES = 21 SPACES

SPACES PROVIDED: 25 SPACES

ADA REQUIRED: 1 SPACES
ADA PROVIDED: 1 SPACES

IMPERVIOUS SURFACE RATIO (ISR)

TOTAL IMPERVIOUS: 0.57 AC
TOTAL PERVIOUS: 0.33 AC
TOTAL ACREAGE: 0.90 AC
ISR: 0.57 AC / 0.90 AC = 63.04%

- DUMPSTER PAD NOTES**
- THE DUMPSTER PAD SHALL BE SCREENED TO OBSTRUCT VIEWING FROM PERSONS TRAVELING ON ANY PUBLIC STREET, SIDEWALK, OR OTHER PUBLIC WAY.
- DIMENSION NOTES**
- BOUNDARY INFORMATION SHOWN IS BASED ON THE JBPRO BOUNDARY AND TOPOGRAPHIC SURVEY DATED 06/28/2022.
 - CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE PROJECT SURVEY AND DESIGN DRAWINGS, AND SHALL VERIFY EXISTING SITE CONDITIONS. ANY APPARENT DISCREPANCIES OR ADDITIONAL PERTINENT INFORMATION SHALL BE BROUGHT TO THE PROJECT ENGINEERS ATTENTION IMMEDIATELY.
 - ALL DIMENSIONS AND RADII SHOWN ARE DIMENSIONED TO EDGE OF PAVEMENT OR FACE OF CURB, UNLESS OTHERWISE SPECIFIED.
 - ALL STRIPPING SHALL CONFORM TO FDOT STANDARD INDEX 711-011.

LEGEND

ASPHALT PAVEMENT

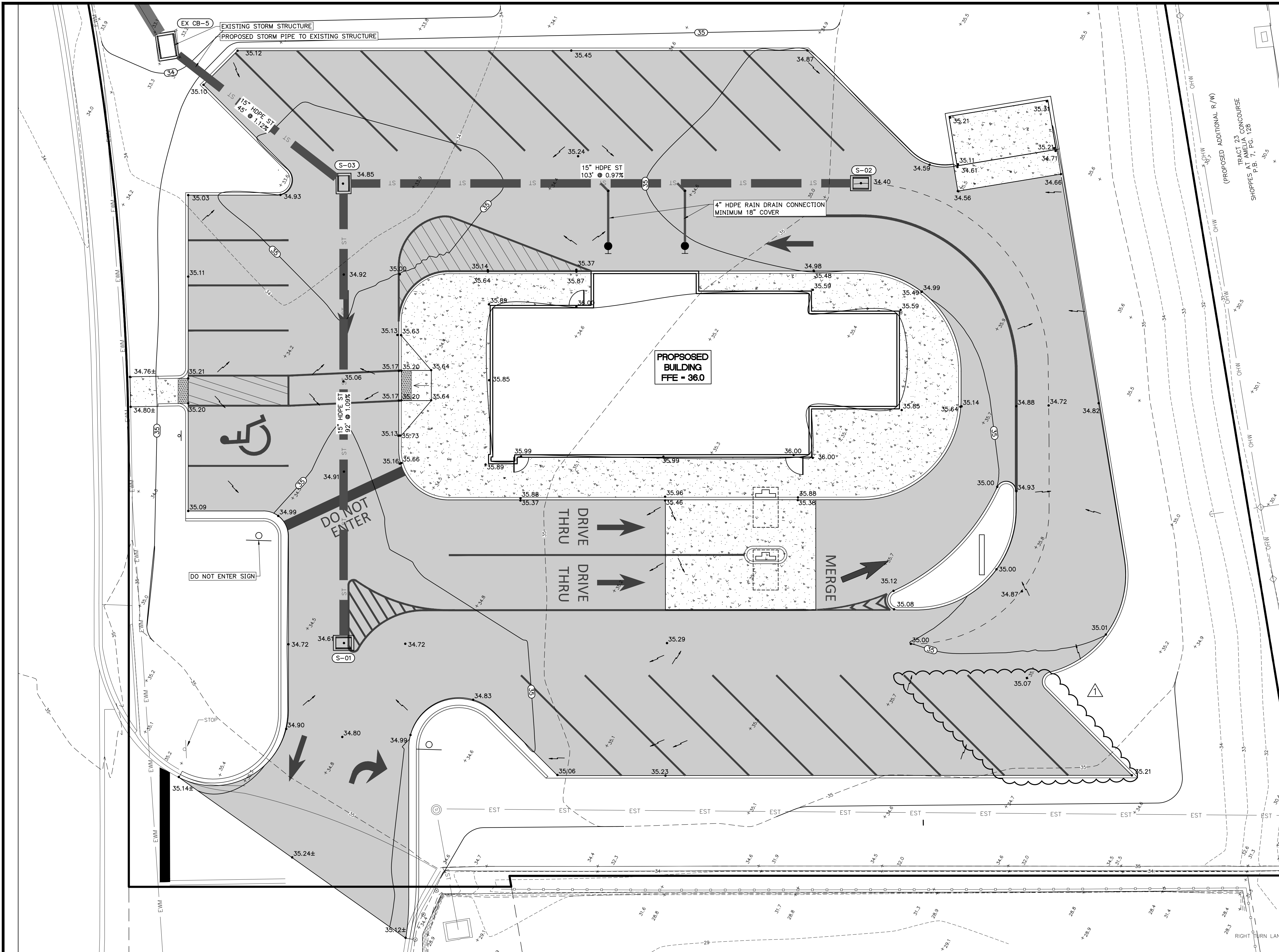
CONCRETE SIDEWALK / PAVEMENT

North arrow pointing up.

Scale: 1" = 20'

Scale bar showing 0, 20, 40, 60 feet.

REVISIONS					DRWN	APPR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
-----------	--	--	--	--	------	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



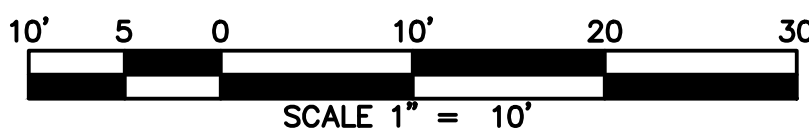
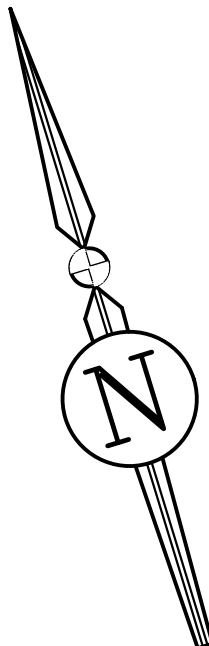
STORM STRUTURE TABLE

EX CB-5
EXISTING DBI
GRATE EL = 34.00
N INV EL = 29.00 (24" EX RCP)
SE INV EL = 29.00 (15" HDPE)

S-01
FDOT INDEX 425-052
TYPE C DBI
GRATE EL = 34.61
N INV EL = 30.50 (15" HDPE)

S-02
FDOT INDEX 425-052
TYPE C DBI
GRATE EL = 34.40
W INV EL = 30.50 (15" HDPE)

S-03
FDOT INDEX 425-052
TYPE C DBI
GRATE EL = 34.85
S INV EL = 29.50 (15" HDPE)
NW INV EL = 29.50 (15" HDPE)
E INV EL = 29.50 (15" HDPE)

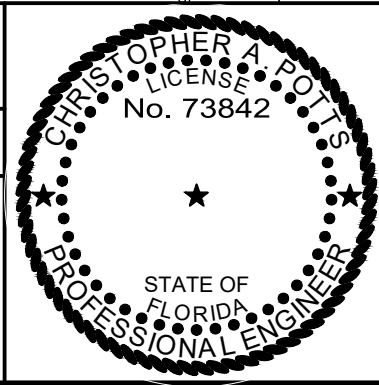


REVISIONS			DRWN	APPR
NO.	DATE	DESCRIPTION		
1	11/15/22	2 ADDITIONAL PARKING SPACES	JUB	CAP

ENGINEER
OF RECORD: CHRISTOPHER A. POTTS, P.E.
FLORIDA LICENSE NO. 73842

THIS DOCUMENT HAS BEEN ELECTRONICALLY
SIGNED AND SEALED BY CHRISTOPHER A. POTTS, PE
ON NOVEMBER 21, 2022 USING A DIGITAL SIGNATURE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE
MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



JBPro

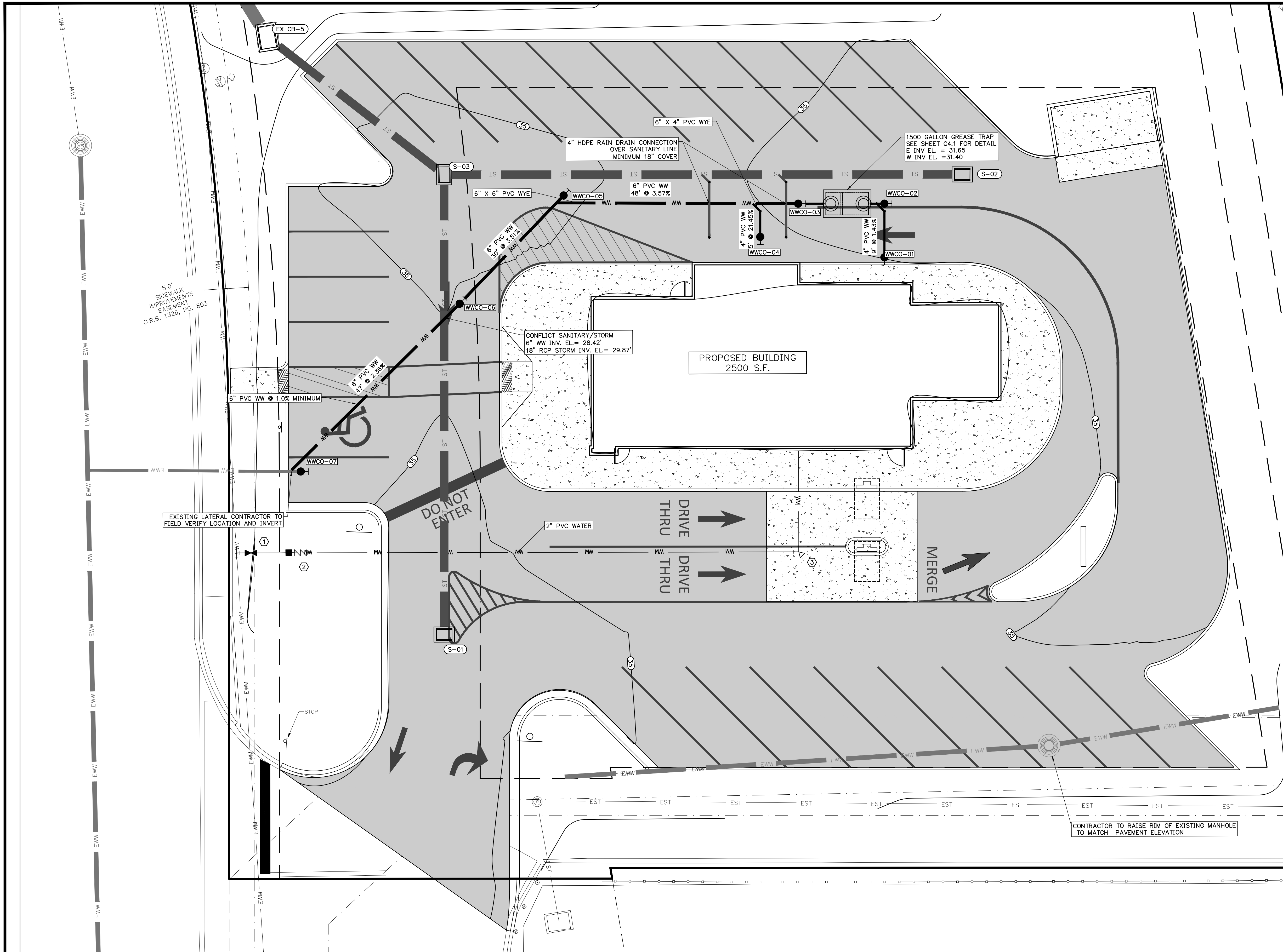
CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES

3530 NW 43rd Street | Gainesville, Florida 32606
4420 US-1 S, Suite 1 | St. Augustine, Florida 32086

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

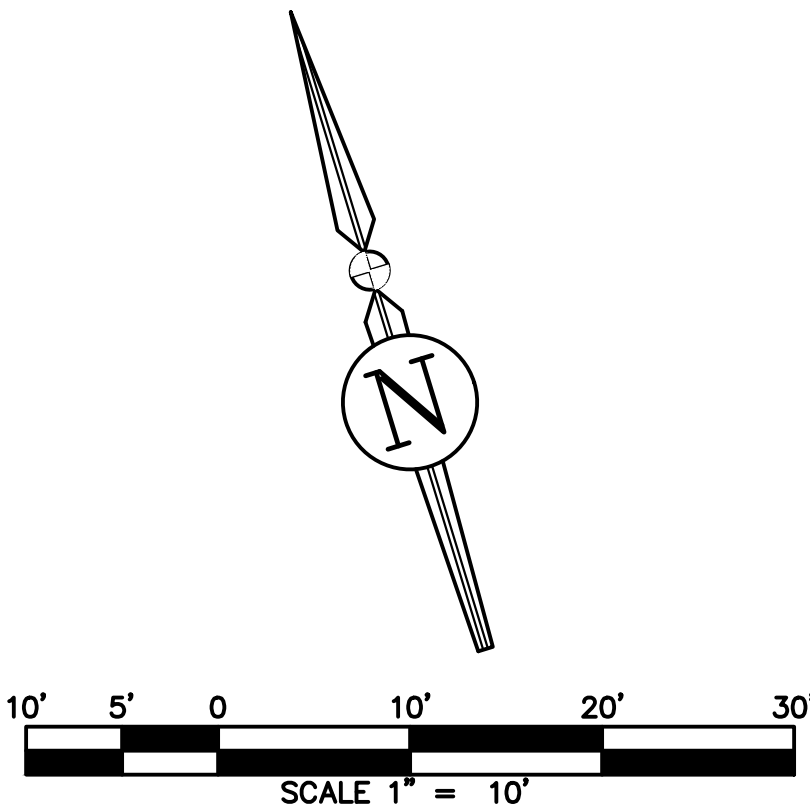
SHEET TITLE: PAVING GRADING AND DRAINAGE PLAN		DATE: NOVEMBER 2022
CLIENT: CENTURION EQUITY PARTNERS, LLC LAKE CITY, FL		PROJECT NO: 366-22-04
PROJECT: HIGHWAY 55 - YULEE		SHEET NO: C3.0

DATE: NOVEMBER 2022
PROJECT NO: 366-22-04
SHEET NO: C3.0



WW CLEANOUT TABLE		
WWCO	TOP EL	INV EL
WWCO-01	35.00	31.85
WWCO-02	34.70	31.72
WWCO-03	34.92	31.22
WWCO-04	35.10	32.31
WWCO-05	34.94	29.50
WWCO-06	35.02	28.45
WWCO-07	35.11	27.34

- WATER FITTING SCHEDULE
- ① 1 - 6" X 2" SERVICE SADDLE AND 1 - 2" GATE VALVE
 - ② 1 - 1" WATER METER ASSEMBLY 1 - 1.5" RPZBFP
 - ③ 1 - PVC 90 DEGREE BEND



REVISIONS

NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY CHRISTOPHER A. POTTS, PE ON NOVEMBER 21, 2022 USING A DIGITAL SIGNATURE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

JBPro

CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES

3530 NW 43rd Street | Gainesville, Florida 32606
4420 US-1 S, Suite 1 | St. Augustine, Florida 32086

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE:

UTILITY PLAN

CLIENT:

CENTURION EQUITY PARTNERS, LLC
LAKE CITY, FL

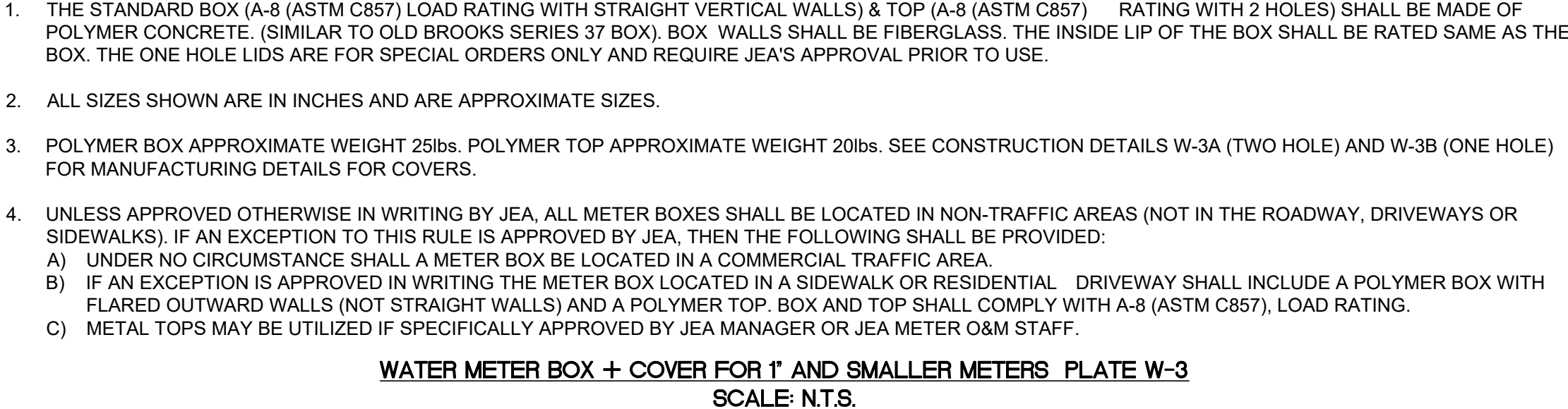
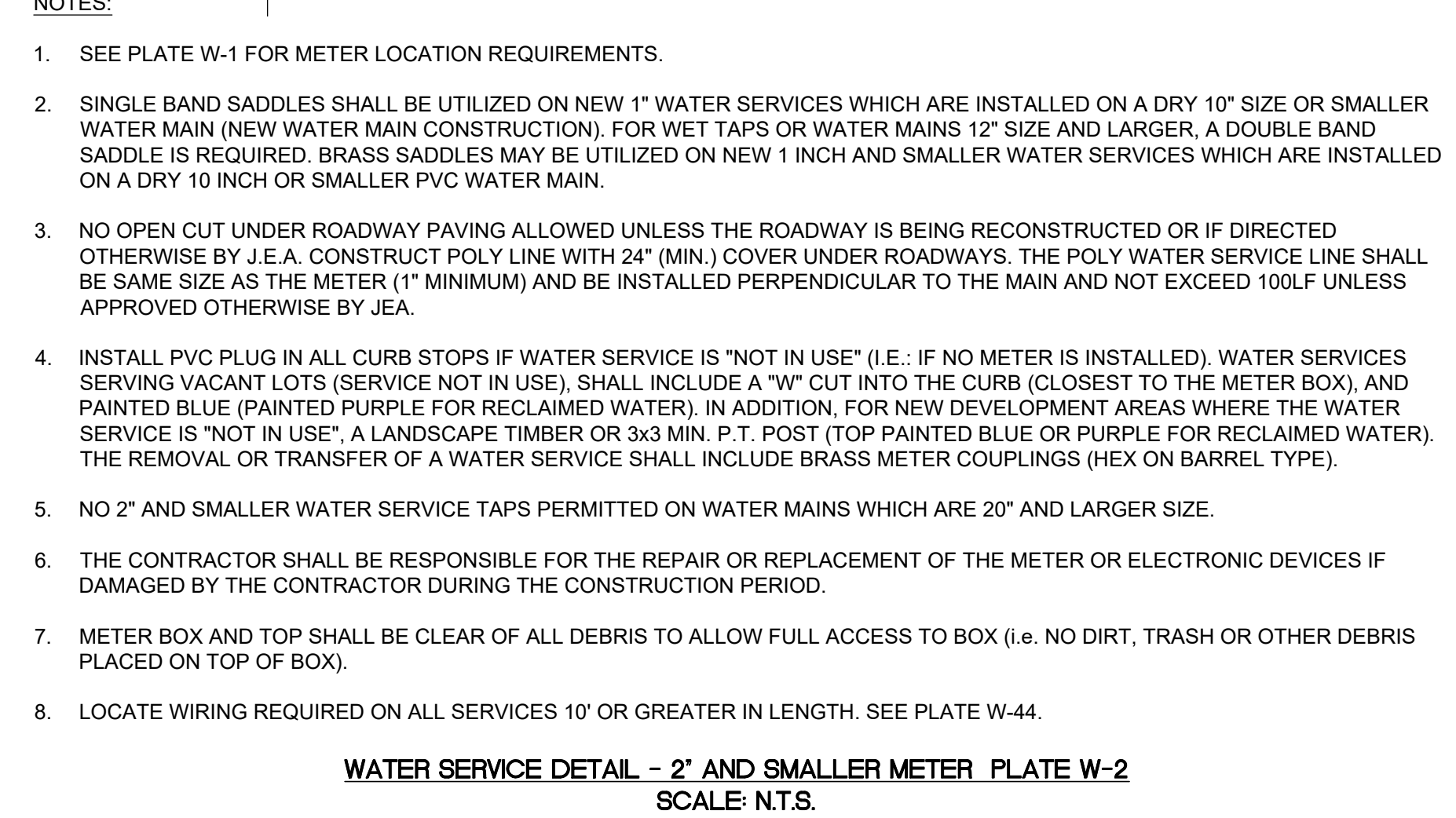
PROJECT:

HIGHWAY 55 - YULEE

DATE: NOVEMBER 2022

PROJECT NO: 366-22-04

SHEET NO: C4.0



NOTES:

1. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTH, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
2. THE MINIMUM JOINT SPACING REQUIRED FROM CROSSING FROM OTHER UTILITIES WHILE STILL MAINTAINING MINIMUM VERTICAL SEPARATION.
3. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
4. NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURES.
5. WATER MAIN SHOULD CROSS ABOVE OTHER PIPES WHENEVER POSSIBLE. WHEN WATER MAIN MUST BE BELOW OTHER UTILITY PIPING, THE MINIMUM SEPARATION SHALL BE 12 INCHES.
6. REFER TO POTABLE WATER PIPING- SECTION 350, III.4.11.
7. SEE SECTION 350, III.4.10 FOR MINIMUM SEPARATION REQUIREMENTS FROM PIPE TO STRUCTURES.

SEPARATION REQUIREMENTS FOR WATER, WASTEWATER AND RECLAIMED WATER MAINS PLATE W-10
SCALE: N.T.S.

PVC PIPE RESTRAINT NOTES:	LENGTH (L) TO BE RESTRAINED										(SEE PLATE Nos. 38C & 38D FOR ADDITIONAL DETAILS)				
1. THIS SCHEDULE SHALL BE UTILIZED ON ALL WATER, SEWER FORCE MAIN OR RECLAIMED WATER SYSTEMS. ALL FITTINGS SHALL BE RESTRAINED TO LENGTHS INDICATED ON THE ABOVE SCHEDULE, AT A MINIMUM.	NOMINAL PIPE SIZE (IN.)	HORIZONTAL BENDS					VERTICAL OFFSETS: 45° BENDS (SEE NOTE 4)		VALVES OR DEAD ENDS	REDUCERS		TEES SEE NOTE 5			
		90° BENDS L (FT.)	45° BENDS L (FT.)	22.5° BENDS L (FT.)	11.25° BENDS L (FT.)		UPPER L (FT.)	LOWER L (FT.)	L (FT.)	SIZE (IN.)	L (FT.)	RUN SIZE (IN.)	BRANCH SIZE (IN.)	L (FT.)	
	4	21	9	5	3		17	3	47	6x4	34	4	4	F.O.	
	6	30	13	6	3		23	4	66	8x6	36		6	10	F.O.
	8	38	16	8	4	30	6	86		8x4	62	8	4 < LESS	29	F.O.
2. ASSUMPTIONS: PVC PIPE, SAFETY FACTOR=1.5, TEST PRESSURE=150PSI, SOIL-GM OR SM, TRENCH TYPE 3, DEPTH OF COVER=30 INCHES FOR 20" AND SMALLER PIPE SIZE OR 36 INCHES FOR 24" AND LARGER PIPE SIZE.	10	45	19	9	5	36	7	103		10x8	35	8	6 < LESS	40	F.O.
	12	53	22	11	6	43	8	121		10x6	63	10	8	13	F.O.
	14	61	26	13	6	50	9	140		12x10	36		6 < LESS	45	F.O.
	16	66	28	14	7	55	10	154		16x12	66	12	12	62	F.O.
	18	73	30	15	8	60	11	170		16x10	92	16	8 < LESS	32	F.O.
3. BENDS AND VALVES: SHALL BE RESTRAINED ON EACH SIDE OF FITTING.	20	79	33	16	8	66	12	186		20x18	35	20	16	94	F.O.
	24	79	33	16	8	77	15	185		20x16	66	24	12	39	F.O.
	30	93	39	19	10	97	17	222		20x12	117	30	10 < LESS	40	F.O.
	36	106	39	21	11	107	20	257		24x16	101	36	12	99	F.O.
	42	117	49	24	12	120	24	289		30x24	78	42	24	124	F.O.
4. VERTICAL OFFSETS: ARE APPROX. 3 FEET COVER ON TOP AND APPROX. 8 FEET COVER ON BOTTOM. PER THE DETAILS, Lu IS THE RESTRAINED LENGTH FOR THE UPPER (TOP) LEVEL, LI IS THE RESTRAINED LENGTH FOR THE LOWER (DEEPER) LEVEL. ASSUME 45 DEGREE BENDS.	48	144	53	26	13	133	26	321		30x20	121	48	20	84	F.O.
										36x30	78		12 < LESS	36	F.O.
										36x24	141	30	30	159	F.O.
										42x36	75	30	24	104	F.O.
										42x30	140		20	60	F.O.
5. TEES: TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (MIN) SHALL BE A TOTAL DISTANCE OF 30 FEET (MIN). SEE SCHEDULE ABOVE FOR RESTRAINMENT LENGTH ON TEE "BRANCH" LINE.										48x42	75		16 < LESS	5	F.O.
										48x36	139		16 < LESS	5	F.O.
												36	36	192	F.O.
												36	30	142	F.O.
												36	24	83	F.O.
6. HOPE TO PVC TRANSITIONS: THE PVC PIPE SIDE SHALL BE RESTRAINED 35 FT (MIN).												36	20	33	F.O.
												36	16 < LESS	5	F.O.
												42	42	223	F.O.
												42	36	178	F.O.
												42	30	124	F.O.
7. THE INSTALLATION OF BELL HARNESS RESTRAINTS AT PVC JOINTS (DR-18 & 25 PIPE) SHALL BE COMPLETED PER THE MANUFACTURERS RECOMMENDATION, WHICH INCLUDES NOT OVER TIGHTENING THE PARALLEL RODS/NUTS. THESE NUTS SHOULD ONLY BE SNUG TIGHT. THE HOME MARKS ON THE PIPE SHOULD ALWAYS BE VISIBLE AFTER THE RESTRAINT IS INSTALLED. OVERTIGHTENING THE JOINT MAY CAUSE A FAILURE AT THE BELL RESULTING IN A SERVICE OUTAGE.												42	24	59	F.O.
												48	16 < LESS	5	F.O.
												48	48	253	F.O.
												48	42	209	F.O.
												48	36	162	F.O.
PVC PIPE RESTRAINT JOINT SCHEDULE PLATE W-31A													30	104	F.O.
SCALE: N.T.S.													24	34	F.O.
													20 < LESS	5	F.O.
													F.O.		



- | | | |
|--|--|--------------|
| | | SHEET TITLE: |
|--|--|--------------|

DATE: NOVEMBER 2022
PROJECT NO: 366-22-04
SHEET NO: C4.2

THRUST BLOCK FOR TEES & PLUGS				
SIZE	90° BEND			S.F. BEARING SURFACE
	A	B	C	
4"	16"	16"	18"	1.78
6"	20"	24"	18"	3.33
8"	26"	32"	18"	5.78
10"	32"	40"	18"	8.89
12"	36"	48"	24"	12.00
14"	40"	56"	24"	15.56
16"	48"	60"	24"	20.00
18"	56"	64"	24"	24.89
20"	60"	76"	24"	31.67
24"	72"	90"	24"	45.00
30"	86"	102"	24"	60.67
36"	116"	108"	24"	86.11

1/2" MAX.

1/2" MAX.

1/2" MAX.

1/2" MAX.

1/2" MAX.

1/2" MAX.

1/2" MAX.

1/2" MAX.

TIE RODS
SEE NOTES

A=PIPE O.D.

* HEIGHT = B + PIPE O.D.

45°

6" MIN

C= 24" MIN - 12" & LARGER PIPE
18" MIN - 10" & SMALLER PIPE

THRUST BLOCK FOR BENDS																
SIZE	90° BEND			S.F. BEARING SURFACE	45° BEND			S.F. BEARING SURFACE	22-1/2° BEND			S.F. BEARING SURFACE	11-1/4° BEND			S.F. BEARING SURFACE
	A	B	C		A	B	C		A	B	C		A	B	C	
4"	16"	16"	18"	1.78	14"	16"	18"	1.56	14"	16"	18"	1.56	14"	16"	18"	1.56
6"	22"	32"	18"	4.89	16"	18"	18"	2.00	14"	16"	18"	1.56	14"	16"	18"	1.56
8"	32"	36"	18"	8.00	24"	28"	18"	4.67	16"	18"	18"	2.00	14"	16"	18"	1.56
10"	36"	46"	18"	11.50	26"	36"	18"	6.50	20"	24"	18"	3.33	14"	18"	18"	1.75
12"	44"	56"	24"	17.11	32"	40"	24"	8.89	24"	30"	24"	5.00	16"	20"	24"	2.22
14"	52"	62"	24"	22.39	36"	48"	24"	12.00	26"	36"	24"	6.50	20"	24"	24"	3.33
16"	58"	72"	24"	29.00	40"	54"	24"	15.00	32"	38"	24"	8.44	22"	26"	24"	3.97
18"	64"	80"	24"	35.56	46"	60"	24"	19.17	36"	42"	24"	10.50	24"	32"	24"	5.33
20"	72"	88"	24"	44.00	52"	66"	24"	23.83	38"	48"	24"	12.67	26"	36"	24"	6.50
24"	96"	96"	24"	36.89	64"	78"	24"	34.67	46"	56"	24"	17.89	32"	40"	24"	8.89
30"	122"	102"	24"	86.11	72"	94"	24"	47.00	56"	62"	24"	24.11	36"	48"	24"	12.00
36"	166"	104"	24"	123.33	88"	108"	24"	66.00	64"	78"	24"	34.67	44"	54"	24"	16.50

NOTES:

1. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED SOIL.

2. THESE TABLES SHOW MINIMUM SIZES FOR THRUST BLOCKS IN GOOD SOIL (A-1 THRU A-3, CLEAN SANDS AND GRAVELS) WITH MINIMUM BEARING CAPACITY OF 2000 psi.

3. POOR SOILS A-4 THRU A-8, SILTY SOILS, CLAYS, MUCK AND PEAT WILL REQUIRE LARGER THRUST BLOCKING.

4. BOTH CONCRETE THRUST BLOCKS AND TIE RODS MUST BE USED WHEN, IN THE JUDGEMENT OF THE ENGINEER, THE NATURE AND CRITICALITY OF AN INSTALLATION IS SUCH AS TO REQUIRE POSITIVE ASSURANCE OF STABILITY.

5. THE USE OF THRUST BLOCKS SHALL BE LIMITED TO SITUATIONS SUCH AS POINT REPAIR WHERE EXPOSING SEVERAL JOINTS OF PIPE IS NOT FEASIBLE DUE TO EXISTING GROUND CONDITIONS.

6. CONCRETE COLLARS WITH TIE RODS MAY BE USED ON DEAD END LINES AT THE CONTRACTOR'S DISCRETION. NUMBER OF TIE RODS REQUIRED IS AS FOLLOWS:
3" - 8" DIAMETER MAIN - 2 TIE RODS REQUIRED PER JOINT (3/4" ROD)
10" - 12" DIAMETER MAIN - 4 TIE RODS REQUIRED PER JOINT (3/4" ROD)
14" - 16" DIAMETER MAIN - 6 TIE RODS REQUIRED PER JOINT (3/4" ROD)
18" - 20" DIAMETER MAIN - 8 TIE RODS REQUIRED PER JOINT (3/4" ROD)
24" DIAMETER MAIN - 12 TIE RODS REQUIRED PER JOINT (3/4" ROD)
30" - 36" DIAMETER MAIN - 14 TIE RODS REQUIRED PER JOINT (1" ROD)
42" - 48" DIAMETER MAIN - 16 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)
54" DIAMETER MAIN - 18 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)

7. MAXIMUM TEST PRESSURE TO BE 150 PSI.

THRUST BLOCK SIZE CHART PLATE W-38
SCALE: N.T.S.

TYPICAL TRENCH

OPEN CUT TRENCH FOR PRESSURE PIPE PLATE W-42
SCALE: N.T.S.

LOCATE WIRE SYSTEM

LOCATE WIRE CONSTRUCTION FOR WATER MAINS PLATE W-44
SCALE: N.T.S.

REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD: CHRISTOPHER A. POTTS, P.E. FLORIDA LICENSE NO. 73842

THIS DOCUMENT HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY CHRISTOPHER A. POTTS, PE ON NOVEMBER 21, 2022 USING A DIGITAL SIGNATURE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

3530 NW 43rd Street | Gainesville, Florida 32606
4420 US-1 S, Suite 1 | St. Augustine, Florida 32086

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE:

UTILITY PLAN DETAILS AND NOTES

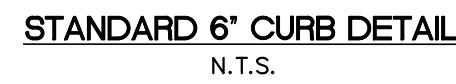
CLIENT: CENTURION EQUITY PARTNERS, LLC LAKE CITY, FL

PROJECT: HIGHWAY 55 - YULEE

DATE: NOVEMBER 2022

PROJECT NO: 366-22-04

SHEET NO: C4.3



ALL EXISTING INLETS WITHIN & ADJACENT
TO CONSTRUCTION SITE SHALL BE
PROTECTED DURING CONSTRUCTION.

INLET PROTECTION DETAIL
N.T.S.



NTS

PER PLATE 4.06D
FLORIDA EROSION AND
SEDIMENTATION CONTROL
INSPECTOR'S MANUAL

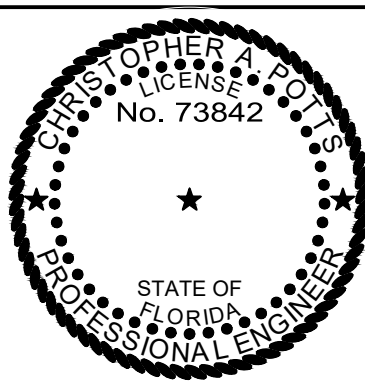
REVISIONS

ENGINEER

CHRISTOPHER A. POTTS, P.E.

THIS DOCUMENT HAS BEEN ELECTRONICALLY
SIGNED AND SEALED BY CHRISTOPHER A. POTTS, PE
ON NOVEMBER 21, 2022 USING A DIGITAL SIGNATURE

PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED, AND THE SIGNATURE
MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



JBPro
CIVIL ENGINEERING | LAND PLANNING
SURVEYING | CONSTRUCTION SERVICES

Gainesville: (352) 375-8999 | St. Augustine: (904) 789-8999
Toll Free: (844) Go-JBPro | E-mail: contact@jbpro.com

SHEET TITLE:

DETAILS AND NOTES

CLIENT:

CENTURION EQUITY
PARTNERS, LLC
LAKE CITY, FL

PROJECT:

HIGHWAY 55 - YULEE

DATE: _____

NOVEMBER 2022

PROJECT NO:

366-22-04

SHEET NO:

C5.0

HIGHWAY 55 RESTAURANT - YULEE

for
**Centurion Equity
Partners, LLC**

PROJECT NO: 22-045
CLIENT'S NO.:
ISSUED FOR: **SITE DEVELOPMENT
REVIEW**

21 NOV 2022

SCALE:



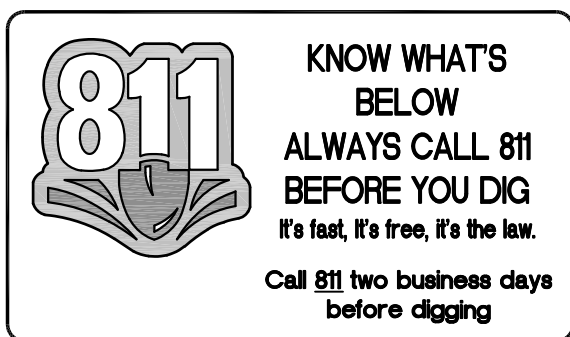
LANDSCAPE PLAN, NOTES, AND PLANT SCHEDULE

LS-1

- EXISTING UTILITIES: LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL SUNSHINE STATE ONE CALL - CALL "SEE LOGO BELOW."
2. **INVASIVE SPECIES:** REMOVE INVASIVE, NONNATIVE PLANT SPECIES AS LISTED ON THE FLORIDA PROHIBITED AQUATIC PLANTS LIST OR THE FLORIDA NOXIOUS WEED LIST FROM THE SITE PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. ALL HERBICIDE APPLICATIONS TO CONTROL INVASIVE, NONNATIVE PLANTS IN WETLAND OR UPLAND SET-ASIDE AREAS, INCLUDING BUFFERS, SHALL BE APPLIED BY A CONTRACTOR LICENSED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF AGRICULTURAL ENVIRONMENTAL SERVICES, WITH A CURRENT CERTIFICATION IN NATURAL AREAS WEED MANAGEMENT.
3. **ON-SITE LITTER REMOVAL:** REMOVE ALL EXISTING LITTER AND DEBRIS VISIBLE ON THE PROJECT SITE.
4. **PLANTING PREPARATION:** REMOVE ALL CONSTRUCTION DEBRIS, LIMBEROCK, GRAVEL, ROAD BEDDING, LITTER, AND OTHER ITEMS POTENTIALLY DAMAGING TO PLANT GROWTH WITHIN PROPOSED LANDSCAPE AND TURF AREAS PRIOR TO PLANTING. MAINTAIN EXISTING GRASSES UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE. IF FILL IS REQUIRED, USE A CLEAN, SANDY LOAM WITH PH 5.5-6.5 AND EXCAVATED FROM LOCAL SOURCES AND DEEP PITS SUCH THAT IT IS FREE OF WEEDS, SEEDS, LITTER, TOXINS, AND OTHER ITEMS HARMFUL TO PLANTINGS.
5. **PRUNING:** IF TREE OR ROOT PRUNING IS REQUIRED, THESE ACTIVITIES SHALL BE PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORCULTURE (ISA). TREE PRUNING SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS "TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE" (ANSI 300) AND "PRUNING, TRIMMING, REPAIRING, MAINTAINING, AND REMOVING TREES, AND CUTTING BRUSH—SAFETY REQUIREMENTS" (ANSI Z133), NO MORE THAN 25 PERCENT OF THE CROWN SHOULD BE REMOVED AT ONE TIME, ON YOUNG TREES, LIMB REMOVAL SHALL LEAVE NO MORE THAN 33 PERCENT OF THE TRUNK BARE OR BRANCHED AREAS. MINIMIZE IMPACTS ON EXISTING TREE ROOTS AS MUCH AS POSSIBLE. AVOID TREE ROOT PLANT AREAS AS DEFINED BY PERMITTING AGENCIES. ALL ROOTS OF TREES TO REMAIN THAT ARE ADJACENT TO EXTENSIVE EXPOSED SOIL AND ADJACENT SHALL BE HAND CUT. EXPOSE ROOTS BY HAND DIGGING, HAND CUT OR SAW CLEANLY, AND IMMEDIATELY COVER WITH SOIL. DO NOT ALLOW CUT ROOTS TO DRY OUT. SUPPLEMENTAL IRRIGATION IS REQUIRED FOR TREES THAT HAVE UNDERGONE ROOT PRUNING AND SHALL BE PROVIDED IMMEDIATELY FOLLOWING ROOT TRIMMING ACTIVITIES.
6. **PLANT MATERIAL:** ALL PLANT MATERIALS SHALL MEET FLORIDA NUMBER 1* REQUIREMENTS AS PER THE MOST CURRENT EDITION OF FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS; FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANT SPECIES ARE EITHER FLORIDA NATIVE OR FLORIDA FRIENDLY AND DROUGHT TOLERANT ONCE ESTABLISHED. PROPOSED TREES SHALL BE A MINIMUM OF 3" DBH. PROPOSED SHRUBS SHALL BE A MINIMUM OF 1-1/2 FEET TALL AND SPACED A MAXIMUM OF 30" WHEN USED AS A HEDGE - SEE PLANT SCHEDULE REMARKS.
7. **NEW TREE STAKING:** SEE DETAIL 11LS-2.
8. **PROPOSED SHRUBS:** SOD: ALL UNPAVED AND DISTURBED AREAS OUTSIDE OF PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTING SHALL BE SODDED. SEE CIVIL PLANS FOR SODDING INFORMATION FOR STORMWATER FACILITIES. SOD SHALL BE SAND-GROWN, STRONGLY ROOTED, WITHOUT SYNTHETIC STABILIZING MATERIALS, FREE OF PESTS, AND CERTIFIED FREE OF NOXIOUS WEEDS BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY.
9. **MULCHING:** THREE INCHES OF MULCH, SETTLED, SHOULD COVER TREE RING PLANTING AREAS AND ALL SHRUB AND GROUNDCOVER PLANTING AREAS. MULCH SHOULD BE NO DEEPER THAN ONE INCH OVER THE TOP OF TREE ROOTBALLS. USE PINK BARK MINI NUGGETS® MULCH IN ALL AREAS. MULCH TO BE FREE OF DEBRIS, STICKS, AND CONES. NO PLASTIC OR NON-Biodegradable WEED CLOTH OR SURFACE COVERS TO BE USED.
10. **IRRIGATION:** SEE IRRIGATION PLAN.
11. **MAINTENANCE:** PROPERTY OWNER IS RESPONSIBLE FOR MAINTENANCE OF LANDSCAPE INCLUDING IRRIGATING, MOWING, TRIMMING, AND FERTILIZING TO KEEP PLANTINGS IN A THRIVING CONDITION.

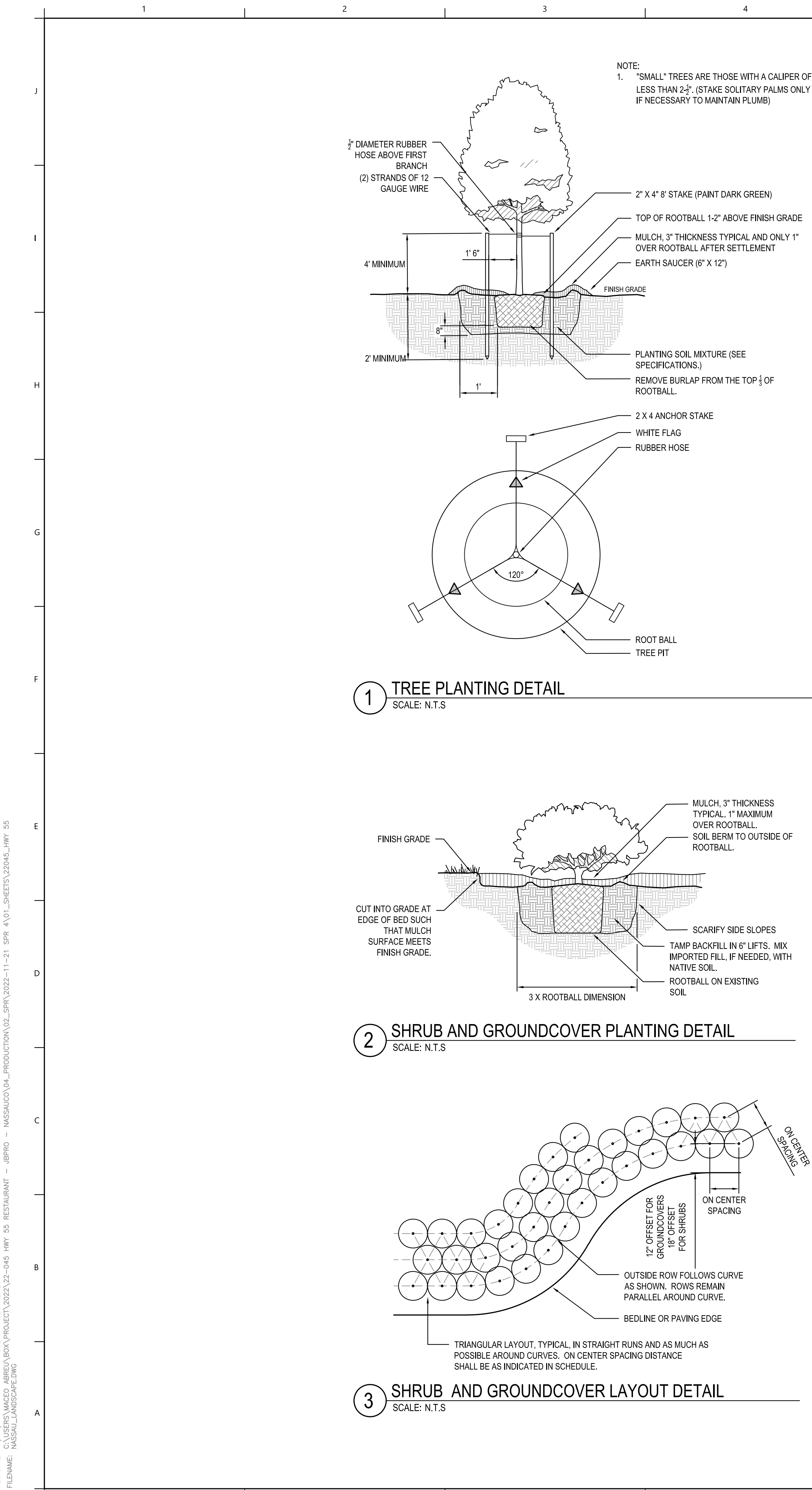
TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES	REMARKS
IC	8 /17.02%	Ilex cassine	Dahoon Holly	45 gal., 7' ht. x 42" sprd., 3" cal.	As shown		'Understory' tree
LIM	9 /19.15%	Lagerstroemia indica x faurei 'Muskogee'	Muskogee Crape Myrtle	45 gal., 10' ht. x 5' sprd., 3" cal.	As shown	Standard form	'Understory' tree
LT	7 /14.89%	Liriodendron tulipifera	Tulip Tree	45 gal., 10' ht. x 5' sprd., 3" cal.	As shown		'Canopy' tree
PA	6 /12.77%	Prunus angustifolia	Chickasaw Plum	45 gal. 7' ht. x 48" sprd., 3" cal.	As shown		'Understory' tree
QV	5 /10.64%	Quercus virginiana	Southern Live Oak	45 gal., 10' ht. x 5' sprd., 3" cal.	As shown		'Canopy' tree
UD	5 /10.64%	Taxodium distichum	Bald Cypress	45 gal., 10' ht. x 5' sprd., 3" cal.	As shown		'Canopy' tree
UA	7 /14.89%	Ulmus alata	Winged Elm	45 gal., 10' ht. x 5' sprd., 3" cal.	As shown		'Canopy' tree
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES	REMARKS
DV	27	Dietes vegeta	African Iris	3 gal., 24" ht. x 24" sprd.	36" o.c.		'Florida Friendly' species
DG	33	Duranta erecta 'Gold Mound'	Gold Mound Duranta	3 gal., 12" ht. x 18" sprd.	30" o.c.		'Florida Friendly' species
ID	65	Ilex cornuta 'Dwarf Burford'	Dwarf Burford Holly	3 gal., 24" ht. x 18" sprd.	36" o.c.		'Florida Friendly' species
LCP	80	Loropetalum chinense rubrum 'Plum Delight'	Plum Loropetalum	3 gal., 24" ht. x 18" sprd.	36" o.c.		'Florida Friendly' species
LCC	29	Loropetalum chinense rubrum 'Crimson Fire'	Crimson Fire Loropetalum	3 gal., 24" ht. x 18" sprd.	30" o.c.		Used as hedge, 'Florida Friendly' species.
MC	92	Muhlenbergia capillaris	Pink Muhly	3 gal., 24" ht. x 18" sprd.	36" o.c.		'Florida Friendly' species
POM	33	Podocarpus macrophyllus	Podocarpus	3 gal., 24" ht. x 9" sprd.	24" o.c.		Used as screen, 'Florida Friendly' species.
VOS	85	Viburnum obovatum 'Mrs Shillers Delight'	Mrs Shillers Delight Viburnum	3 gal., 24" ht. x 24" sprd.	36" o.c.		'Florida Native' species
VS	67	Viburnum suspensum	Sandanka Viburnum	3 gal., 24" ht. x 18" sprd.	30" o.c.		Used as hedge, 'Florida Friendly' species
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	NOTES	REMARKS
JB	89	Juniperus conferta 'Blue Pacific'	Blue Pacific Juniper	1 gal., 6" ht. x 12" sprd.	30" o.c.		'Florida Friendly' species
LEM	136	Liriope muscari 'Emerald Goddess'	Liriope	1 gal., 12" ht. x 18" sprd.	24" o.c.		'Florida Friendly' species
SOD/SEED		BOTANICAL NAME	COMMON NAME	SIZE		NOTES	REMARKS
SOD		Paspalum notatum 'Argentine'	Argentine Bahia Grass	sod		Sand grown and weed free	Drought-tolerant species

 PROPOSED TREE



PLOTDATE: 11/21/2022 2:33 PM USER: MACEO ABREU
C:\USERS\MACEO ABREU\BOX PROJECT\2022\22-045 HWY 55 RESTAURANT - JBPFO - NASSAU\04_PRODUCTION\02_SPR\2022-11-21_SPR 4\01_SHEETS\22045_HWY 55
FILENAME: NASSAU_LANDSCAPE.DWG

PLOTDATE: 11/21/2022 2:33 PM USER: MACED ABREU
 FILENAME: C:\USERS\MACED ABREU\BOX\PROJECT\2022\22-045 HWY 55 RESTAURANT - JBPRO - NASSAUCO\04_PRODUCTION\02_SPR\2022-11-21_SPR_4\01_SHEETS\22045_Hwy 55 NASSAU_LANDSCAPE.DWG



LANDSCAPING Per Sec. 37.05.B.01 New landscape plantings shall not include more than 50 percent of any one genus or 25 percent of any one species.	
Total Proposed Trees	47
50% Of proposed (Genus)	23.50
Most proposed of any (Genus)	9
25% Of proposed (Species species)	11.75
Most proposed of any (Species species)	9

PERVIOUS GREEN SPACE REQUIREMENT Per Sec. 37.05.C.03, each commercial development must provide 10% of parcel as pervious green space with 1 tree per 500 SF of such green space. See Sheet C1.6 'Tree Canopy Plan' for calculations to support below:	
Parcel Size (SF)	39,195
10% Parcel Size (SF)	3,920
Green Space Provided (SF)	13,750
Trees Required Based on 10% (1 Tree/500 SF)	7.8
Trees Provided:	8 (Beyond other required plantings)

ARTERIAL/COLLECTOR ROADWAY LANDSCAPE BUFFERS Per Sec. 37.05.D.02, Perimeter landscaping adjacent to street right of way, collector roadways: 15' wide landscape strip along frontage, 7 1/2' minimum, with 3 canopy trees/100 LF and 3 understory trees/100 LF.				
Location / Type Requirement	Length (LF)	Per 100 LF	Required	Provided
Frontage / 'ARTERIAL/COLLECTOR Along Chester Rd, frontage - 20 ft. bed width & 10 ft. minimum width Per 100/LF: 3 - Canopy trees 3 - Understory trees	180	1.80	5.40	7 Canopy trees 6 Understory Trees 20' Undulating Shrub and Groundcover Planting Buffer (10' min. width)

OFF-STREET PARKING LANDSCAPE BUFFERS Per Sec. 37.05.D.05, All off-street parking areas within 50' of and visible from street right of way, 3 canopy tree/100 LF, 3 understory trees/100 LF, and hedge planting (with plants spaced 30" o.c. maximum.)				
Location / Type Requirement	Length (LF)	Per 100 LF	Required	Provided
North / Visible due to undeveloped parcel to the North Required hedge Per 100/LF: 3 - Canopy 3 - Understory	140	1.40	4.20	5 Canopy trees 5 Understory trees Continuous hedge
West / Visible Required hedge Per 100/LF: 2 - Canopy 3 - Understory	59	0.59	1.18	2 Canopy trees
	59	0.59	1.77	2 Understory trees Continuous hedge

DUMPSTER AND UTILITY LANDSCAPE BUFFERS Per Sec. 37.05.D.06, Shall be screened by wall/fence with minimum landscaping of 1 shrub / 2' of wall, maintained at 4' height, and 1 canopy tree / 10 LF of wall.				
Location / Type Requirement	Length (LF)	Per 100 LF	Required	Provided
Dumpster / Required hedge: (1) shrub per 2/LF	43	21.50	21.50	25 Shrubs, 24" o.c.
Dumpster / Per 10/LF: 1 - Canopy	43	4.30	4.30	1 Canopy trees 4 Understory trees

BACKFLOW PREVENTERS Per Sec. 37.05.D.10, Should be screened from public right of way with shrubs as hedge. Provided: Continuous hedge around backflow.
--

INTERSECTION SIGHT CLEARANCE Per Sec. 37.05.E., Required as per FDOT areas of clear site "sight triangle". Provided: No plantings proposed in sight triangle.

INTERIOR LANDSCAPING OF OFF STREET PARKING AREAS Per Sec. 37.05.F, Shall be provided as 1 landscape island/10 parking spaces, with a minimum of 1 canopy tree with shrubs or groundcovers. Provided: End islands for every 10 spaces, with 1 canopy tree and shrub and groundcover plantings.

PROVIDE PERIMETER BUFFERS Per Sec. 37.06, This site is zoned 'Industrial Warehouse', The adjacent site to the south is zoned 'Commercial'. Provide a low density buffer along southern side = 10 FT minimum width, with 3 canopy trees/100 LF and 67 shrubs/100 LF.				
Location / Type Requirement	Length (LF)	Per 100 LF	Required	Provided
Southern Perimeter / 10 ft. minimum width Per 100/LF: 3 - Canopy trees	157	1.57	4.71	5 Canopy trees
Southern Perimeter / 10 ft. minimum width Per 100/LF: 67 - Shrubs	157	1.57	105.19	106 Shrubs

MANLEY DESIGN
 Landscape Architecture • Site Planning

Manley Design, LLC
 224 NW 2nd Avenue, Suite E
 Gainesville, Florida 32601
 (352) 363-7412
 Certificate of Authorization No. LC26000575

PROJECT NAME:

HIGHWAY 55
 RESTAURANT
 - YULEE

Nassau County, FL

for
 Centurion Equity
 Partners, LLC

SEAL:
 THIS DOCUMENT SET HAS BEEN DIGITALLY
 SIGNED AND SEALED BY:



PRINTED COPIES OF THIS DOCUMENT ARE NOT
 CONSIDERED SIGNED AND SEALED. THE
 SIGNATURE MUST BE VERIFIED ON THE
 ELECTRONIC DOCUMENTS. THE ABOVE NAMED
 REGISTERED LANDSCAPE ARCHITECT SHALL BE
 RESPONSIBLE FOR THIS SHEET IN ACCORDANCE
 WITH RULE 61G10-11.011 F.A.C.

PROJECT NO: 22-045
 CLIENT'S NO.:
 ISSUED FOR: SITE DEVELOPMENT REVIEW

ISSUED DATE: 09 AUG 2022
 REVISIONS:
 19 SEPT 2022
 21 OCT 2022
 21 NOV 2022

SCALE:

AS SHOWN

SHEET TITLE:
 LANDSCAPE DETAILS
 AND CALCULATIONS

SHEET NUMBER:

LS-2

PLOTDATE: 11/21/2022 2:34 PM USER: MACED ABREU
 FILENAME: C:\USERS\MACED ABREU\BOX\PROJECT\2022\22-045 HWY 55 RESTAURANT - JBPRO - NASSAU\04_LANDSCAPE.DWG
 NASSAU_LANDSCAPE.DWG

TECHNICAL SPECIFICATIONS - PLANTING, SECTION 329000

PART 1 - GENERAL

- 1.1 SUMMARY
 - A. PROVIDE ALL LABOR, EQUIPMENT AND INCIDENTALS REQUIRED TO RENDER ALL SERVICES REQUIRED TO SUCCESSFULLY INSTALL ALL TURF AND LANDSCAPE PROPOSED WITHIN THE PROJECT AREA AS DEFINED ON PLANS.
 - B. WORK WILL INCLUDE BUT IS NOT LIMITED TO PREPARATION, INSTALLATION, AND MAINTENANCE FOR PROPOSED TURF AND LANDSCAPE MATERIAL.
- 1.2 SUBMITTALS
 - A. PROVIDE TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO ANY PLANTING ACTIVITIES. SUBMITTALS SHALL INCLUDE:
 1. A COPY OF CURRENT CERTIFICATE AS A CERTIFIED LANDSCAPE CONTRACTOR BY THE FLORIDA NURSERY, GROWERS, AND LANDSCAPE ASSOCIATION (FNGLA).
 2. A COPY OF CURRENT PEST CONTROL LICENSE (ROW, ORNAMENTAL AND/OR AQUATIC, IF APPROPRIATE)
 3. CERTIFICATION BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES AS A COMMERCIAL FERTILIZER APPLICATOR PER 5E-14.117(18) F.A.C.
 4. MANUFACTURER'S LABELS OR INFORMATION FOR ANY COMPONENTS INCORPORATED INTO THIS PROJECT, INCLUDING BUT NOT LIMITED TO FERTILIZERS, PESTICIDES, AND STAKING SYSTEMS.
 5. IF IMPORTED FILL IS REQUIRED TO AUGMENT EXISTING CONDITIONS FOR PLANTING, PROVIDE IMPORTED FILL AS DESCRIBED WITHIN PRODUCTS SECTION. PROVIDE A SOIL ANALYSIS THROUGH THE UNIVERSITY OF FLORIDA EXTENSION SOIL TESTING LABORATORY FOR EACH FILL SOURCE AND INCLUDING INCLUDE A WRITTEN REPORT CONTAINING SOIL-AMENDMENT AND FERTILIZER RECOMMENDATIONS FOR EACH SOURCE.
 6. SCHEDULE OF VALUES: PRIOR TO THE COMMENCEMENT OF THE WORK, SUBMIT INSTALLED UNIT PRICES FOR ALL PLANT MATERIALS (MULCH SHALL BE INCLUDED IN THE INSTALLED UNIT PRICING) AND SODDING. THE SCHEDULE OF VALUES SHOULD EQUAL THE TOTAL CONTRACT PRICE FOR LANDSCAPE INSTALLATION.
 7. TYPEWRITTEN INSTRUCTIONS PROVIDING A MAINTENANCE SCHEDULE AND ALL MAINTENANCE OPERATIONS NECESSARY TO MAINTAIN THE PLANTINGS DURING AND FOLLOWING INSTALLATION, AS SPECIFIED BELOW.
 8. WRITTEN WARRANTIES AS SPECIFIED BELOW.
 9. RECORD DRAWINGS: FURNISH ONE SET OF RECORD DRAWINGS THAT CLEARLY SHOW ALL CHANGES MADE TO THE ORIGINAL CONTRACT DRAWINGS DURING THE COURSE OF THE WORK. DRAWINGS SHALL BE PROVIDED IN PDF FILE FORMAT AND TO BE FULLY LEGIBLE AND TO SCALE.
- 1.3 QUALITY CONTROL
 - A. ALL WORK SHALL BE PERFORMED BY A FNGLA CERTIFIED LANDSCAPE CONTRACTOR (FCLC) WHO HAS COMPLETED LANDSCAPE WORK SIMILAR IN SCOPE, MATERIAL, DESIGN, AND EXTENT TO THAT AS INDICATED FOR THIS PROJECT AND WITH A RECORD OF SUCCESSFUL TREE AND SHRUB ESTABLISHMENT. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN FCLC CERTIFICATION UNDER FNGLA.
 - B. PRUNING AND TRIMMING, IF REQUIRED, SHALL BE PERFORMED BY A CERTIFIED ARBORIST, AS CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA).
 - C. ALL PLANT MATERIAL TO COMPLY WITH FLORIDA #1 GRADE QUALITY STANDARD AS DEFINED AND SPECIFIED WITHIN THE LATEST EDITION OF THE FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS' PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRIES. PROVIDE HEALTHY, VIGOROUS STOCK GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES AND FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALED, INJURIES, ABRASIONS, OR DISFIGUREMENT.
 - D. UNSATISFACTORY OR DEFECTIVE MATERIAL MAY BE REJECTED AT ANY TIME, AND REJECTED MATERIAL SHALL BE REMOVED IMMEDIATELY FROM THE PROJECT SITE.
 - E. CONTRACTOR SHALL MAINTAIN AND EXPERIENCED, FULL-TIME SUPERVISOR ON THE PROJECT SITE DURING ALL PLANTING ACTIVITIES.
 - F. SUBSTITUTIONS WILL NOT BE ACCEPTED UNLESS PROOF OF NON-AVAILABILITY OR EVIDENCE OF 'EQUAL' STATUS IS DEMONSTRATED PRIOR TO ORDERING AND/OR INSTALLATION. CONTRACTOR TO SUBMIT A SUBSTITUTION REQUEST TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO ORDERING, DELIVERY, OR INSTALLATION OF MATERIAL. THE SUBSTITUTION REQUEST SHALL IDENTIFY THE ISSUE WITH THE SPECIFIED MATERIAL AND PROPOSE ALTERNATIVE, EQUAL MATERIAL(S). INFORMATION TO BE PROVIDED REGARDING ALTERNATIVE MATERIALS SHALL INCLUDE SCIENTIFIC NAME, COMMON NAME, SIZE, AND SOURCE.
 - G. PACKAGE STANDARD PRODUCTS WITH MANUFACTURER'S CERTIFIED ANALYSIS OR ANALYSIS BY RECOGNIZED LABORATORY.
- 1.4 CONTRACTOR REQUIREMENTS
 - A. PROVIDE ALL EQUIPMENT, MATERIALS AND LABOR NECESSARY FOR COMPLETION OF WORK AND MAINTENANCE.
 - B. OBTAIN ALL NECESSARY PERMITS, LICENSES, AND NOTIFICATIONS AND PAY FEES NECESSARY FOR COMPLETION OF THE WORK.
 - C. COMPLY WITH ALL APPLICABLE CODES.
 - D. COORDINATE WITH OTHER TRADES WORKING ON THE PROJECT DURING PLANTING ACTIVITIES.
 - E. COORDINATION SHALL OCCUR WITH OTHER CONTRACTORS OR PROJECTS OCCURRING OFF SITE IF NECESSARY.
 - F. IDENTIFY AND VERIFY THE LOCATION OF ALL UTILITIES WITHIN PROPOSED PLANTING AREAS. CONTRACTOR TO CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. AS REQUIRED BY CHAPTER 556 OF FLORIDA STATUTES PRIOR TO ANY EXCAVATION OR PLANTING ACTIVITIES.
 - G. PROVIDE SAFE STORAGE FOR ALL EQUIPMENT AND MATERIALS. STORAGE OF SUCH ITEMS IS AT THE CONTRACTOR'S RISK.
 - H. REPAIR, AT NO COST TO THE OWNER, ANY DAMAGE OCCURRING DUE TO CONTRACTOR NEGLIGENCE TO EXISTING UTILITIES, STRUCTURES, FURNISHINGS, HARDSCAPE, LANDSCAPE, OR OTHER ELEMENTS TO REMAIN. ANY DAMAGED WORK SHALL BE REPAIRED AS PER PLANS, OTHER SPECIFICATIONS SECTIONS, OR AS INSTRUCTED BY THE OWNER'S REPRESENTATIVE.
 - I. MAINTENANCE DURING INSTALLATION AND UNTIL FINAL ACCEPTANCE.
- 1.5 WARRANTY
 - A. EXISTING LANDSCAPE AND VEGETATION
 1. ALL EXISTING LANDSCAPE AND TURF TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION ACTIVITIES.
 - B. NEW PLANTS
 1. WARRANTY SHRUBS AND GROUNDCOVER FOR A PERIOD OF TWELVE (12) MONTHS AFTER DATE OF SUBSTANTIAL COMPLETION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR THAT WHICH IS A RESULT OF NEGLECT BY OWNER, ABUSE, DAMAGE BY OTHERS, OR UNUSUAL PHENOMENA OR INCIDENTS WHICH ARE BEYOND THE CONTRACTOR'S CONTROL.
 2. REMOVE AND REPLACE ANY LANDSCAPE MATERIAL FOUND TO BE DEAD OR IN UNHEALTHY CONDITION DURING WARRANTY PERIOD.
 - B. NEW SOD
 1. WARRANTY ALL GRASS FOR A PERIOD OF SIX (6) MONTHS AFTER SUBSTANTIAL COMPLETION AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, AS DETERMINED BY THE OWNER'S REPRESENTATIVE, EXCEPT FOR DEFECTS RESULTING FROM NEGLECT BY THE OWNER, ABUSE OR DAMAGE BY OTHERS, OR THE UNUSUAL PHENOMENA OR INCIDENTS, WHICH ARE BEYOND THE CONTRACTOR'S CONTROL.
 2. REMOVE AND REPLACE ALL TURF FOUND TO BE DEAD OR IN AN UNHEALTHY CONDITION DURING WARRANTY PERIOD AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
 - C. REPAIR GRADES, LAWN AREAS, PAVING, AND ANY OTHER DAMAGE RESULTING FROM REPLACEMENT PLANTING OPERATIONS, AT NO ADDITIONAL COST TO OWNER.
 - D. IF ANY PLANTS ARE REPLACED DURING THE WARRANTY PERIOD, THEN THE REPLACEMENT MATERIAL SHALL ALSO BE WARRANTED FOR THE SAME PERIOD AS LISTED FOR NEW MATERIAL. ABOVE, FROM THE DATE OF REPLACEMENT. ONLY ONE REPLACEMENT WILL BE REQUIRED EXCEPT FOR LOSSES OR REPLACEMENTS DUE TO FAILURE TO COMPLY WITH SPECIFIED REQUIREMENTS.
 - E. A FINAL INSPECTION MAY BE MADE AT THE END OF THE WARRANTY PERIOD TO DETERMINE ACCEPTANCE OR REJECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER, IN WRITING, THIRTY (30) DAYS PRIOR TO THE END OF THE WARRANTY PERIOD, AT WHICH TIME THE OWNER HAS THE OPTION TO PERFORM AN END OF WARRANTY INSPECTION. FAILURE TO NOTIFY THE OWNER OF THE END DATE OF THE WARRANTY PERIOD SHALL CAUSE THE WARRANTY PERIOD TO EXTEND UNTIL SUCH TIME AS THE CONTRACTOR GIVES THE OWNER THE REQUIRED 30 DAYS' NOTICE.
- 1.6 DELIVERY, STORAGE, AND HANDLING
 - A. PACKAGED MATERIALS: DELIVER PACKAGED MATERIALS IN CONTAINERS SHOWING WEIGHT, CERTIFIED ANALYSIS, AND NAME OF MANUFACTURER, PROTECT MATERIALS FROM DETERIORATION DURING DELIVERY AND WHILE STORED AT SITE.
 - B. SOD: TIME DELIVERY SO THAT SOD WILL BE PLACED WITHIN 24 HOURS AFTER STRIPPING. PROTECT SOD AGAINST DRYING AND BREAKING OF ROLLED STRIPS.
 - C. PLANTS: DO NOT PRUNE PRIOR TO DELIVERY UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE. DO NOT BEND OR BIND-TIE SHRUBS IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES, OR DESTROY NATURAL SHAPE. PROVIDE PROTECTIVE COVERING DURING DELIVERY. DELIVER PLANTS AFTER PREPARATION FOR PLANTING HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN SIX (6) HOURS AFTER DELIVERY, SET PLANTS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE, AND KEEP ROOTS MOIST BY COVERING WITH MULCH. BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE. DO NOT REMOVE CONTAINER-GROWN STOCK FROM CONTAINERS UNTIL PLANTING TIME. HANDLE PLANT MATERIALS BY ROOTBALL.
- 1.7 PROJECT CONDITIONS
 - A. COORDINATE AND COOPERATE WITH OTHER TRADES TO ENABLE WORK TO PROCEED AS RAPIDLY AND EFFICIENTLY AS POSSIBLE.
 - B. IF WEATHER CONDITIONS DETRIMENTAL TO PLANTING ARE ENCOUNTERED OR ANTICIPATED, NOTIFY THE OWNER'S REPRESENTATIVE OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING. PLANTING SHALL NOT OCCUR DURING PERIODS OF OR WITHIN 48 HOURS OF PREDICTED TEMPERATURES LESS THAN 32 F.
 - C. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED OR ANTICIPATED, INCLUDING BUT NOT LIMITED TO LIMESTONE, ROAD BASE, RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OBSTRUCTIONS, OR TOXIC MATERIALS, NOTIFY THE OWNER'S REPRESENTATIVE OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
 - D. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY PARTIES CONCERNED.
 - E. DETERMINE LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL SUNSHINE STATE ONE CALL, 811. PERFORM WORK IN A MANNER THAT AVOIDS POSSIBLE DAMAGE. HAND EXCAVATE AS REQUIRED.

PART 2 - PRODUCTS

- 2.1 FILL
 - A. IF REQUIRED TO AUGMENT EXISTING SOILS FOR LANDSCAPE AND TURF INSTALLATION, PROVIDE NEW, DEEP FILL MATERIAL AS PER USDA STANDARD TEXTURES AND THAT IS TAKEN FROM WELL-DRAINING LOCAL SOURCES WITH SIMILAR SOIL TYPES AS FOUND AT THE PROJECT SITE.
 - B. FILL TO BE SUITABLE FOR PLANT GROWTH, FRIABLE, AND FREE OF CLAY LUMPS, BRUSH, WEEDS, SEEDS, ROOTS, STUMPS, STONES, ORGANIC MUCK, HARD PAN CLAY, LITTER AND CONSTRUCTION DEBRIS INCLUDING LIMEROCK OR PAVING BASE MATERIAL, ASPHALT, AND CONCRETE, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH
 - C. FILL TO BE OF FH 5-6.5.
- 2.2 MULCH
 - A. MULCH SHALL BE AS INDICATED IN NOTES OR THE PLANT SCHEDULE AND TO BE FREE OF BRANCHES, CONES, AND DEBRIS.
- 2.3 COMMERCIAL FERTILIZER
 - A. ADHERE TO ALL LOCAL REQUIREMENTS REGARDING FERTILIZER TYPES AND APPLICATIONS.
 - B. APPLY FERTILIZER ONLY TO PLANTING AREAS. CLEAN UP FERTILIZER THAT MAY BE CAST ON ADJACENT HARDSCAPE, ETC.
 - C. FOLLOW WATER MANAGEMENT DISTRICT AND LOCAL REGULATIONS WHEN APPLYING FERTILIZER NEAR WETLANDS, WATER BODIES, OR STORMWATER FACILITIES.
 - D. SHRUBS AND GROUNDCOVERS: UTILIZE A ROOT STARTER OR EQUIVALENT SLOW RELEASE FERTILIZER TO ENCOURAGE ROOT GROWTH. APPLY AT MANUFACTURER'S RECOMMENDED RATE. ROOT STARTER SHALL BE A COMPLETE, SLOW RELEASE FERTILIZER WITH ORGANIC NITROGEN AND CONTAIN THE FOLLOWING PERCENTAGES OF AVAILABLE PLANT NUTRIENTS:
 1. BETWEEN 5-6% TOTAL NITROGEN (N) CONSISTING OF 3.5-4.5% WATER INSOLUBLE/SLOW RELEASE NITROGEN AND 1.5% WATER SOLUBLE NITROGEN
 2. BETWEEN 1-2% PHOSPHATE (P2O5)
 3. BETWEEN 0.5-3% POTASH/POTASSIUM (K)
 - E. PALMS: FERTILIZE WITH AN 8N - 2P205 - 12K20 + 4MG WITH MICRONUTRIENTS. 100% OF N, K, AND MG SHALL BE IN SLOW RELEASE FORM AND MICRONUTRIENTS SHALL BE IN SULFATE OR CHELATE (FE ONLY) FORM. 5.00 UNITS OF SLOW RELEASE NITROGEN SHALL BE POLYMER COATED. 5.00 - 8.40 UNITS OF SLOW RELEASE POTASH SHALL BE POLYMER COATED. SLOW RELEASE MG SHALL BE PRILLED (GRANULAR) KIESERITE. FERTILIZER SHALL CONTAIN APPROXIMATELY 1.5 - 2% MN AND FE (0.1 - 0.2% FOR FE IF CHELATED), PLUS TRACE AMOUNTS OF B (0.15%), ZN (0.15%), AND CU (0.05%).
 - F. TURF: PROVIDE FERTILIZER WITH NOT LESS THAN SIXTEEN (16) PERCENT TOTAL NITROGEN, FOUR (4) PERCENT AVAILABLE PHOSPHORIC ACID AND EIGHT (8) PERCENT SOLUBLE POTASH. APPLY AT MANUFACTURER'S RECOMMENDED RATE.
- 2.4 PLANT MATERIALS
 - A. PROVIDE SHRUBS AND GROUNDCOVERS OF SIZE, GENUS, SPECIES, AND VARIETY AS SHOWN IN THE PLANT SCHEDULE FOR LANDSCAPE WORK THAT CONFORM TO FLORIDA NO. 1 QUALITY STANDARDS.
 - B. PROVIDE HEALTHY, VIGOROUS STOCK GROWN IN A RECOGNIZED NURSERY IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES AND FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN-SCALED, INJURIES, ABRASIONS, OR DISFIGUREMENT.
 - C. LANDSCAPE MATERIAL SHALL BE CONTAINER GROWN MATERIAL UNLESS OTHERWISE SPECIFIED OR UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE.
- 2.5 SOD
 - A. PROVIDE SAND-GROWN ONLY, STRONGLY ROOTED SOD, NOT LESS THAN TWO YEARS OLD, FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES, AND MACHINE CUT TO PAD THICKNESS OF 3/4 INCH (PLUS OR MINUS 1/4 INCH), EXCLUDING TOP GROWTH AND THATCH. PROVIDE ONLY SOD CAPABLE OF VIGOROUS GROWTH AND DEVELOPMENT WHEN PLANTED. SOD SHALL BE VIABLE AND NOT DORMANT.
 - B. PROVIDE SOD OF UNIFORM PAD SIZES WITH A MAXIMUM 5% DEVIATION IN EITHER LENGTH OR WIDTH, BROKEN PADS OR PADS WITH UNEVEN EDGES WILL NOT BE ACCEPTABLE. SOD PADS INCAPABLE OF SUPPORTING THEIR OWN WEIGHT WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON UPPER 10 PERCENT OF PAD WILL BE REJECTED.
 - C. STABILIZING NETTING OR OTHER SYNTHETIC MATERIALS WITHIN SOD SHALL BE PROHIBITED.
 - D. SOD TO BE AS LISTED WITHIN THE PLANT SCHEDULE.
 - E. REFER TO CIVIL PLANS FOR SOD TYPE AND INSTALLATION METHODS WITHIN STORMWATER FACILITIES.
- 2.6 WEED PRE-EMERGENT HERBICIDE
 - A. IF APPROVED BY OWNER, APPLY 'RON STAR G' PRE-EMERGENT HERBICIDE, OR APPROVED EQUAL IN PLANTING AREAS.

PART 3 - EXECUTION

- 3.1 PREPARATION
 - A. CONDUCT A PRE-CONSTRUCTION CONFERENCE ON SITE WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK. DISCUSS PROPOSED ACTIVITIES, REVIEW PROPOSED PLANTING AREAS, AND CONFIRM PROPOSED SCHEDULE OF WORK. PROVIDE ONE WEEK'S NOTICE OF PROPOSED CONFERENCE.
 - B. ENSURE ALL ASPHALT, LIMEROCK, AND OTHER CONSTRUCTION DEBRIS ARE REMOVED FROM AREAS OF PROPOSED PLANTING OR SODDING TO A MINIMUM DEPTH OF THREE FEET PRIOR TO INSTALLATION.
 - C. CLEAN EXISTING SOIL OF ROOTS, PLANTS, SODS, STONES, CLAY, LUMPS AND OTHER EXTRANEIOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.
 - D. PLANTING DEPTH OF SOIL SHALL BE A MINIMUM OF THREE (3) FEET. IF FILL MUST BE ADDED, IT SHALL CONFORM TO THE REQUIREMENTS LISTED ABOVE.
 - E. PLANTING AREAS SHALL NOT BE COMPACTED.
 - F. PLANTING AREAS SHALL BE WELL-DRAINING. IF SATURATED OR WET CONDITIONS EXIST IN PROPOSED PLANTING AREAS OR WITHIN PLANTING HOLES, DO NOT PLANT MATERIAL AND CONTACT LANDSCAPE ARCHITECT FOR DIRECTION.
 - G. GAIN APPROVAL FROM OWNER PRIOR TO WORK FOR REMOVAL OF EXISTING GRASS, VEGETATION, AND TURF BY METHODS OTHER THAN HAND REMOVAL. IF APPROVED, SPRAY AREAS WITH 'ROUND-UP' OR OTHER APPROPRIATE HERBICIDE AND PERFORM ADDITIONAL SPRAY TREATMENTS AS NEEDED TO ENSURE A COMPLETE KILL. REMOVE AND DISPOSE OF RESULTING DEAD VEGETATION AND TURF. DO NOT TURN RESULTING DEAD VEGETATION OR TURF OVER INTO SOIL. REPEAT IF NECESSARY TO REMOVE EXISTING VEGETATION.
 - H. FOR TURF AREAS INDICATED FOR RENOVATION, MECHANICALLY CUT OUT AREAS OF FAILING TURF AND CREATE A CLEAN EDGE FOR NEW SOD INSTALLATION.
 - I. FINE GRADE PROPOSED PLANTING AND SOD AREAS TO SMOOTH, EVEN SURFACES WITH LOOSE, UNIFORMLY FINE TEXTURE AND FREE OF LUMPS, CLODS, STONES, ROOTS, AND OTHER EXTRANEIOUS MATTER. ROLL, RAKE, AND DRAG AREAS, REMOVE RIDGES, AND FILL DEPRESSIONS AS REQUIRED TO MEET FINISH GRADES.
 - J. ALLOW FOR SOD THICKNESS IN AREAS TO BE SODDED SUCH THAT INSTALLED SOD MEETS FINISHED GRADES.
- 3.2 TREE BARRIERS AND EXISTING TREE PROTECTION
 - A. REFER TO NOTES ON DEMOLITION PLANS OR LANDSCAPE PLANS REGARDING TREE PROTECTION AND TREE PROTECTION BARRIERS.
 - B. MINIMIZE IMPACTS ON EXISTING TREE ROOTS AS MUCH AS POSSIBLE. AVOID TREE ROOT PLATE AREAS AS DEFINED BY PERMITTING AGENCIES.
 - C. ALL ROOTS OF TREES TO REMAIN THAT ARE IMMEDIATELY ADJACENT TO EXTENSIVE EXCAVATION AND ARE 1" DIAMETER OR OVER SHALL BE HAND CUT. EXPOSE ROOTS BY HAND DIGGING, HAND CUT OR SAW CLEANLY, AND IMMEDIATELY COVER WITH SOIL. DO NOT ALLOW CUT ROOTS TO DRY OUT.
 - D. SUPPLEMENTAL IRRIGATION IS REQUIRED FOR TREES THAT HAVE UNDERGONE ROOT PRUNING. PROVIDE SUPPLEMENTAL IRRIGATION IMMEDIATELY FOLLOWING PRUNING AND CONTINUE THROUGH CONSTRUCTION.

PART 3 - EXECUTION, CONT

- 3.3 PLANTING
 - A. PLANT TREES, SHRUBS, AND GROUNDCOVER AFTER FINAL GRADES ARE ESTABLISHED AND PRIOR TO PLANTING OF LAWNS UNLESS OTHERWISE AUTHORIZED BY OWNER'S REPRESENTATIVE. IF PLANTING OF TREES AND SHRUBS OCCURS AFTER INSTALLATION OF LAWNS, PROTECT LAWN AREAS AND PROMPTLY REPAIR DAMAGE CAUSED BY LANDSCAPE INSTALLATION.
 - B. LAY OUT INDIVIDUAL PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS. TRIANGLE SPACING SHALL BE USED FOR SHRUBS AND GROUNDCOVERS UNLESS OTHERWISE SPECIFIED IN PLANS OR BY OWNER'S REPRESENTATIVE. OUTLINE AREAS AND SECURE OWNER'S REPRESENTATIVE'S OR OWNER REPRESENTATIVE'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS MAY BE REQUIRED.
 - C. EXCAVATE PITS, BEDS, AND TRENCHES SUCH THAT PITS ARE AS DEEP AS THE PLANT'S ROOTBALL AND 1.5 TIMES THE DIAMETER OF THE ROOTBALL. LOOSEN HARD SUBSOIL IN BOTTOM OF EXCAVATION. SCARIFY SIDES OF PIT.
 - D. FILL EXCAVATIONS FOR SHRUBS WITH WATER AND ALLOW WATER TO PERCOLATE OUT PRIOR TO PLANTING. NOTIFY OWNER'S REPRESENTATIVE OR OWNER'S REPRESENTATIVE PRIOR TO PLANTING IF PITS DO NOT DRAIN PRIOR TO PLANTING.
 - E. REMOVE PLANT MATERIAL FROM CONTAINER. LIFT TREES AND SHRUBS BY THE ROOTBALL AND NOT BY THE TRUNK OR MAIN STEM. SET PLANT MATERIAL STOCK IN CENTER OF PIT OR TRENCH WITH TOP OF BALL AT 1-2" ABOVE ADJACENT FINISH LANDSCAPE GRADES.
 - F. REMOVE ANY SYNTHETIC OR STRAPPING MATERIAL PRIOR TO SETTING PLANT MATERIAL INTO PLANTING PIT OR TRENCH.
 - G. ENSURE PLANT MATERIAL IS PLUMB.
 - H. PLACE BACKFILL AROUND BASE AND SIDES OF BALL AND WORK IN EACH LAYER TO SETTLE BACKFILL AND ELIMINATE VOIDS AND AIR POCKETS. ENSURE ROOTBALL REMAINS 1-2" ABOVE ADJACENT FINISH GRADE. WHEN EXCAVATION IS APPROXIMATELY 2/3 FULL, WATER THOROUGHLY BEFORE PLACING REMAINDER OF BACKFILL. REPEAT WATERING UNTIL NO MORE WATER IS ABSORBED. WATER AGAIN AFTER PLACING FINAL LAYER OF BACKFILL.
 - I. DISH TOP OF BACKFILL FOR TREES AND PALMS TO ALLOW FOR MULCHING.
 - J. ALL PLANT MATERIAL SHALL BE FERTILIZED AT THE TIME OF PLANTING ONLY IF THAT IS WITHIN THE ALLOWABLE FERTILIZING TIME WINDOW PER COUNTY CODE. MIX OR APPLY FERTILIZER ON TOP OF ROOTBALL AND NOT UNDER OR WITHIN PLANTING PITS. APPLY JUST INSIDE OF PLANT FOLIAGE/DRIFTLINE AND NOT DIRECTLY ON STEMS OR EXPOSED ROOTS OF MATERIAL. MIX SPECIFIED FERTILIZERS WITH EXISTING SOIL AT RATES SPECIFIED BY THE MANUFACTURER. DELAY MIXING OF FERTILIZER IF PLANTING WILL NOT FOLLOW PLACING OF PLANTING SOIL WITHIN THREE (3) DAYS. DO NOT APPLY OR SPILL FERTILIZER ON IMPERVIOUS SURFACES- IMMEDIATELY CLEAN OFF AND/OR CONTAIN IF SO. DO NOT WASH, SWEEP, OR BLOW OFF EXCESS OR SPILLED FERTILIZER INTO DRAINS, STORMWATER DITCHES OR PONDS, OR OTHER WATER BODIES OR CONVEYANCE SYSTEMS.
 - K. APPLY PRE-EMERGENT HERBICIDE, IF APPROVED BY OWNER, AND AS PER MANUFACTURER'S SPECIFICATIONS.
 - L. MULCH PITS, TRENCHES, AND PLANTED AREAS. PROVIDE A THREE (3) INCH THICKNESS OF MULCH AND WORK ONTO TOP OF BACKFILL. THE FINISH LEVEL OF MULCH SHOULD MEET ADJACENT FINISH GRADES. MULCH AREAS BETWEEN GROUNDCOVER PLANTS.
 - M. WATER THOROUGHLY AFTER PLANTING, TAKING CARE NOT TO COVER CROWNS OF PLANTS WITH WET SOILS.
 - N. GUY AND STAKE TREES AND PALMS IMMEDIATELY AFTER PLANTING AS NEEDED.
- 3.4 SODDING NEW LAWNS
 - A. ENSURE GRASS IS SMOOTH AND EVEN WITH A LOOSE, UNIFORM TEXTURE. ROLL, RAKE AND DRAG PROPOSED LAWN AREAS, REMOVE RIDGES, AND FILL DEPRESSIONS AS REQUIRED TO MEET FINISH GRADES AND PROVIDE AN EVEN SURFACE FOR SOD INSTALLATION.
 - B. LAY SOD WITHIN 24 HOURS FROM TIME OF STRIPPING.
 - C. MOISTEN PREPARED LAWN AREAS BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE MOISTURE TO DRY BEFORE PLANTING LAWNS. DO NOT CREATE A MUDDY SOIL CONDITION.
 - D. APPLY SPECIFIED COMMERCIAL FERTILIZER IF WITHING THE ALLOWABLE FERTILIZING TIME WINDOW PER COUNTY CODE. APLY AT RATES SPECIFIED AND THOROUGHLY MIX INTO UPPER TWO INCHES OF SOIL IN AREAS OF PROPOSED SOD. DELAY APPLICATION OF FERTILIZER IF LAWN PLANTING WILL NOT FOLLOW WITHIN A FEW DAYS. SPREADER DEFLECTOR SHIELDS ARE REQUIRED WHEN FERTILIZING VIA ROTARY/BROADCAST SPREADERS. DO NOT APPLY OR SPILL FERTILIZER ON IMPERVIOUS SURFACES- IMMEDIATELY CLEAN OFF AND/OR CONTAIN IF SO. DO NOT WASH, SWEEP, OR BLOW OFF EXCESS OR SPILLED FERTILIZER INTO DRAINS, STORMWATER DITCHES OR PONDS, OR OTHER WATER BODIES OR CONVEYANCE SYSTEMS.
 - E. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS. DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. TAP SOD FIRMLY IN PLACE ONCE LAID.
 - F. ANCHOR SOD ON SLOPES GREATER THAN 3:1 WITH WOOD PEGS TO PREVENT SLIPPAGE, IF NEEDED.
 - G. AVOID DAMAGE TO SUBGRADE OR SOD DUE TO INSTALLATION ACTIVITIES.
 - H. WATER SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.
- 3.5 CLEANUP
 - A. MAINTAIN WORK AREAS IN AN ORDERLY CONDITION. KEEP PAVEMENTS AND ADJACENT SITE AREAS CLEAN. REMOVE ALL POTS, LITTER, TOOLS, EQUIPMENT, AND EXTRANEIOUS SOIL, SOD, OR MATERIALS AT THE END OF EACH WORK DAY. STORE MATERIALS AND EQUIPMENT WHERE DIRECTED. DISPOSE OF MATERIALS AS DIRECTED.
- 3.6 NEW PLANT PROTECTION
 - A. PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DURING CONSTRUCTION. MAINTAIN PROTECTION DURING INSTALLATION AND THROUGHOUT THE MAINTENANCE PERIOD. TREAT, REPAIR, OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED.
 - B. TREES WHICH ARE TO REMAIN IN THE CONSTRUCTION AREA SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE CONSTRUCTION PROCESS BY THE CONTRACTOR.
 - C. DO NOT PERMIT HEAVY EQUIPMENT OR STOCKPILES WITHIN THE DRIP LINE OF EXISTING OR NEWLY PLANTED TREES. REMOVE INTERFERING BRANCHES WITHOUT INJURY TO TRUNKS.
- 3.7 MAINTENANCE
 - A. MAINTENANCE ACTIVITIES SHALL INCLUDE THE FOLLOWING ACTIVITIES DURING CONSTRUCTION AND UNTIL FINAL ACCEPTANCE:
 1. WEEDING: MAINTAIN PLANTINGS AND TURF AS WEED FREE.
 2. MULCHING: MAINTAIN MULCH AT TREES, PALMS, AND WITHIN PLANTING BEDS AT A 3" DEPTH.
 3. PEST CONTROL: SPRAY AS REQUIRED TO KEEP PLANTINGS AND TURF FREE OF INSECTS AND DISEASE.
 4. MOVING: MOW TURF AREAS AS NEEDED OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
 5. REPLACEMENT: REPLACE PLANTS OR SOD AREAS THAT ARE IN POOR CONDITION.
 6. LITTER REMOVAL: REMOVE LITTER AND DEBRIS FROM LANDSCAPE AND TURF AREAS.
 7. RESTORE PLANTING SAUCERS OF TREES AND SHRUBS.
 8. TIGHTEN AND REPAIR STAKE AND GUY WIRE SUPPORTS, IF PRESENT, AND RESET TREES AND SHRUBS TO PROPER GRADES OF VERTICAL POSITION AS REQUIRED.
 9. REMOVE ALL TREE STAKING, IF PRESENT, WITHIN ONE YEAR AFTER PLANTING.
- 3.8 REPLACEMENT OF EXISTING LANDSCAPE DAMAGED DURING PROJECT
 - A. ANY EXISTING VEGETATION, INCLUDING TREES AND SHRUBS, DAMAGED OR DESTROYED SHALL BE REPLACED OR MITIGATED BY THE CONTRACTOR WITH LIKE SPECIES OR ANOTHER SPECIES APPROVED BY THE OWNER'S REPRESENTATIVE. ANY AREA OF VEGETATION THAT IS DAMAGED DURING CONSTRUCTION WILL BE RESTORED TO ITS ORIGINAL STATE WITHIN 72 HOURS OF THE COMPLETION OF THE ASSOCIATED CONSTRUCTION WORK.
 - B. IF REMOVAL OF AN EXISTING TREE REQUIRES MITIGATION, THE CONTRACTOR SHALL BE HELD LIABLE FOR THE COMPLETE COST, INCLUDING BUT NOT LIMITED TO TREE REPLACEMENT COSTS AND PAYMENTS REQUIRED TO PERMITTING AGENCIES.
 - C. TREE REPLACEMENT SPECIES AND PROCEDURES SHALL BE DISCUSSED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE AND OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF ACTIVITIES.
- 3.9 INSPECTION AND ACCEPTANCE
 - A. WHEN ALL LANDSCAPE WORK IS SUBSTANTIALLY COMPLETE, THE OWNER'S REPRESENTATIVE WILL, UPON REQUEST, MAKE A SUBSTANTIAL COMPLETION INSPECTION TO DETERMINE ACCEPTABILITY AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE OWNERS REPRESENTATIVE WILL PRODUCE A WRITTEN PUNCH LIST FOR THE CONTRACTOR AND OWNER'S REPRESENTATIVE TO IDENTIFY ITEMS THAT SHALL BE ADDRESSED PRIOR TO FINAL ACCEPTANCE.
 - B. ONCE ITEMS OF THE PUNCH LIST ARE ADDRESSED, THE OWNER'S REPRESENTATIVE WILL CONDUCT A FINAL COMPLETION INSPECTION. IF NECESSARY, THE OWNER'S REPRESENTATIVE WILL PRODUCE A FINAL PUNCH LIST FOR THE CONTRACTOR AND OWNER'S REPRESENTATIVE TO IDENTIFY ITEMS TO BE ADDRESSED PRIOR TO FINAL ACCEPTANCE.
 - C. FINAL ACCEPTANCE WILL NOT BE ISSUED UNTIL ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ACCEPTED BY THE OWNER AND ALL SUBMITTALS HAVE BEEN MADE.
 - D. WORK MAY BE INSPECTED FOR ACCEPTANCE IN PORTIONS AS PHASES OF INSTALLATION ARE COMPLETED AND AS AGREEABLE TO THE OWNER'S REPRESENTATIVE, PROVIDED EACH PORTION OF WORK OFFERED FOR INSPECTION IS SUBSTANTIALLY COMPLETE.

END OF SECTION

MANLEY DESIGN

Landscape Architecture • Site Planning

Manley Design, LLC
 224 NW 2nd Avenue, Suite E
 Gainesville, Florida 32601
 (352) 363-7412
 Certificate of Authorization No. LC26000575

PROJECT NAME:

HIGHWAY 55
 RESTAURANT
 - YULEE

Nassau County, FL

for
 Centurion Equity
 Partners, LLC

SEAL:

THIS DOCUMENT SET HAS BEEN DIGITALLY
 SIGNED AND SEALED BY:



PRINTED COPIES OF THIS DOCUMENT ARE NOT
 CONSIDERED SIGNED AND SEALED. THE
 SIGNATURE MUST BE VERIFIED ON THE
 ELECTRONIC DOCUMENTS. THE ABOVE NAMED
 REGISTERED LANDSCAPE ARCHITECT SHALL BE
 RESPONSIBLE FOR THIS SHEET IN ACCORDANCE
 WITH RULE 61G10-11.011 F.A.C.

PROJECT NO: 22-045
 CLIENT'S NO:
 ISSUED FOR: SITE DEVELOPMENT
 REVIEW

ISSUED DATE: 09 AUG 2022
 REVISIONS:
 19 SEPT 2022
 21 OCT 2022
 21 NOV 2022

SCALE:

NOT APPLICABLE

SHEET TITLE:

LANDSCAPE
 TECHNICAL
 SPECIFICATIONS

SHEET NUMBER:

LS-3

HIGHWAY 55 RESTAURANT - YULEE

For
**Centurion Equity
Partners, LLC**

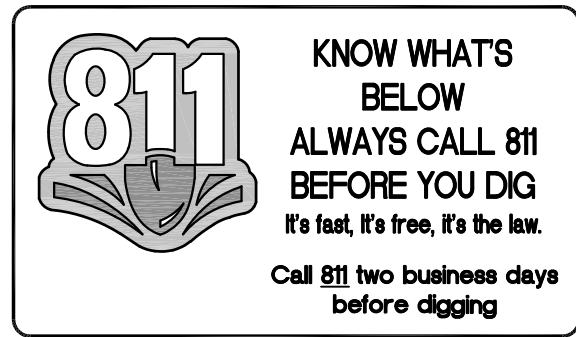
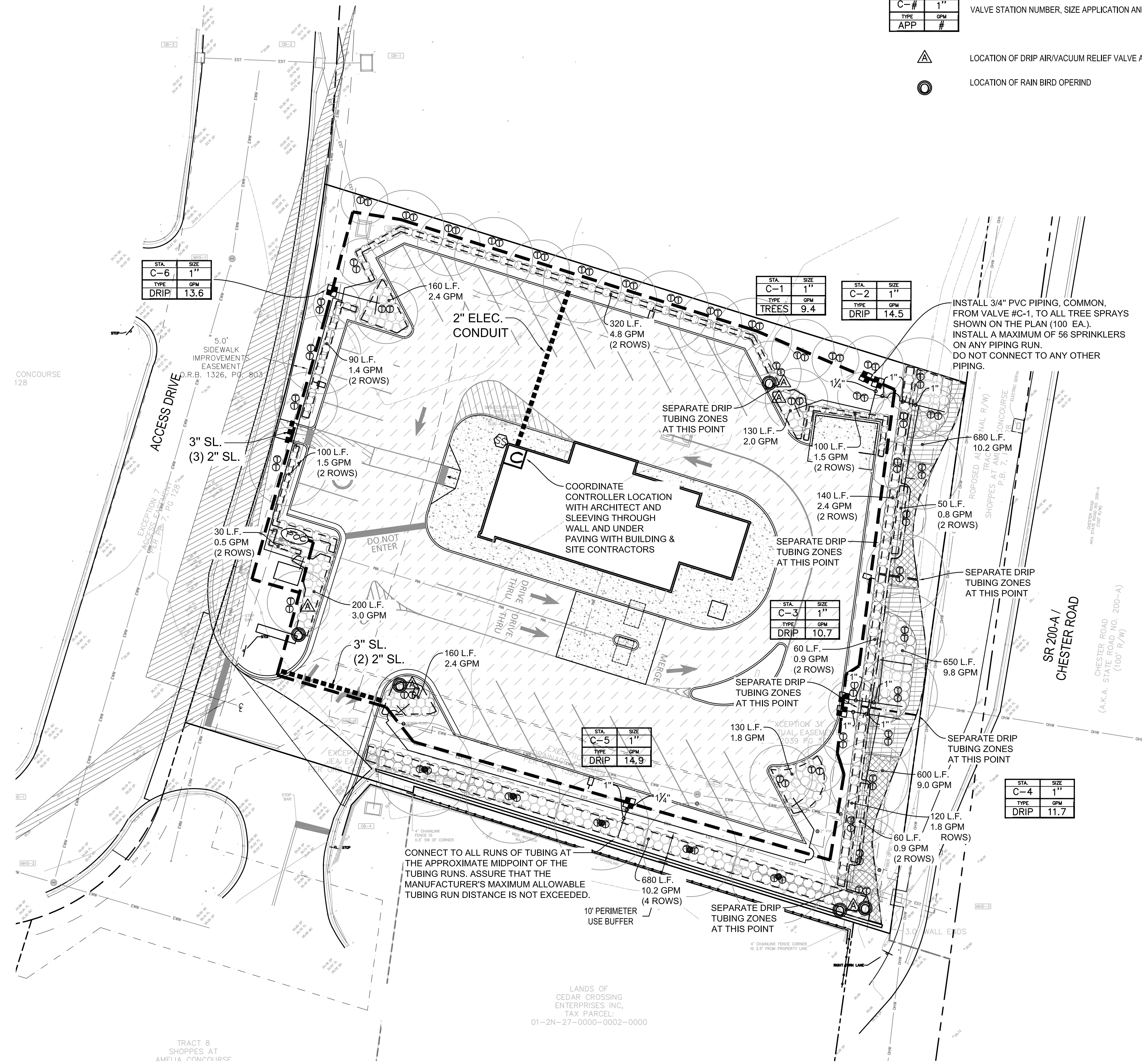
ISSUED DATE: 09 AUG 2022

REVISIONS:

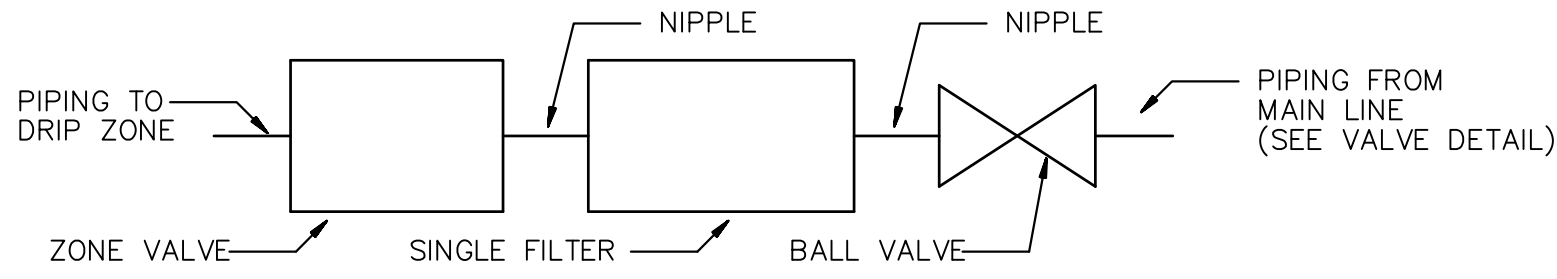
19 SEPT 2022
21 OCT 2022
21 NOV 2022

IRRIGATION PLAN AND SCHEDULE

SHEET NUMBER:
IR-1



PLOTDATE: 11/21/2022 2:31 PM USER: MACEO ABREU
C:\USERS\MACEO ABREU\BOX\PROJECT\2022\22-045 HWY 55 RESTAURANT - JBPRO - NASSAUCO\04_PRODUCTION\02_SPR\2022-11-21 SPR 4\01_SHEETS\22045_HWY 55 NASSAU_IRRIGATION.DWG



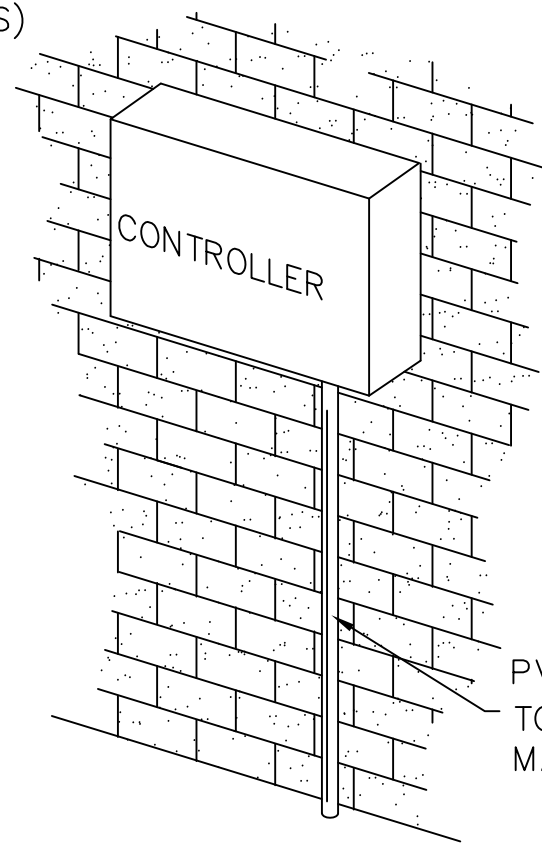
NOTES:

- INSTALL A SEPARATE VALVE BOX FOR EACH VALVE AND FILTER. (3) JUMBO VALVE BOXES
- INSTALL FILTER IN ORIENTATION THAT ALLOWS REMOVAL OF CAP FOR FLUSHING (UPWARD)

1 VALVE WITH FILTER SCHEMATIC

SCALE: N.T.S.

WIRE PER
LOCAL CODE(S)



COORDINATE AND GAIN APPROVAL FROM
PROJECT ARCHITECT AND OWNER'S
REPRESENTATIVE REGARDING
CONTROLLER AND RAIN/FREEZE SENSOR
LOCATION PRIOR TO INSTALLATION

INSTALL A
WIRELESS RAIN/
FREEZE SENSOR
AND RECEIVER
AND INTERFACE
WITH THE
CONTROLLER.

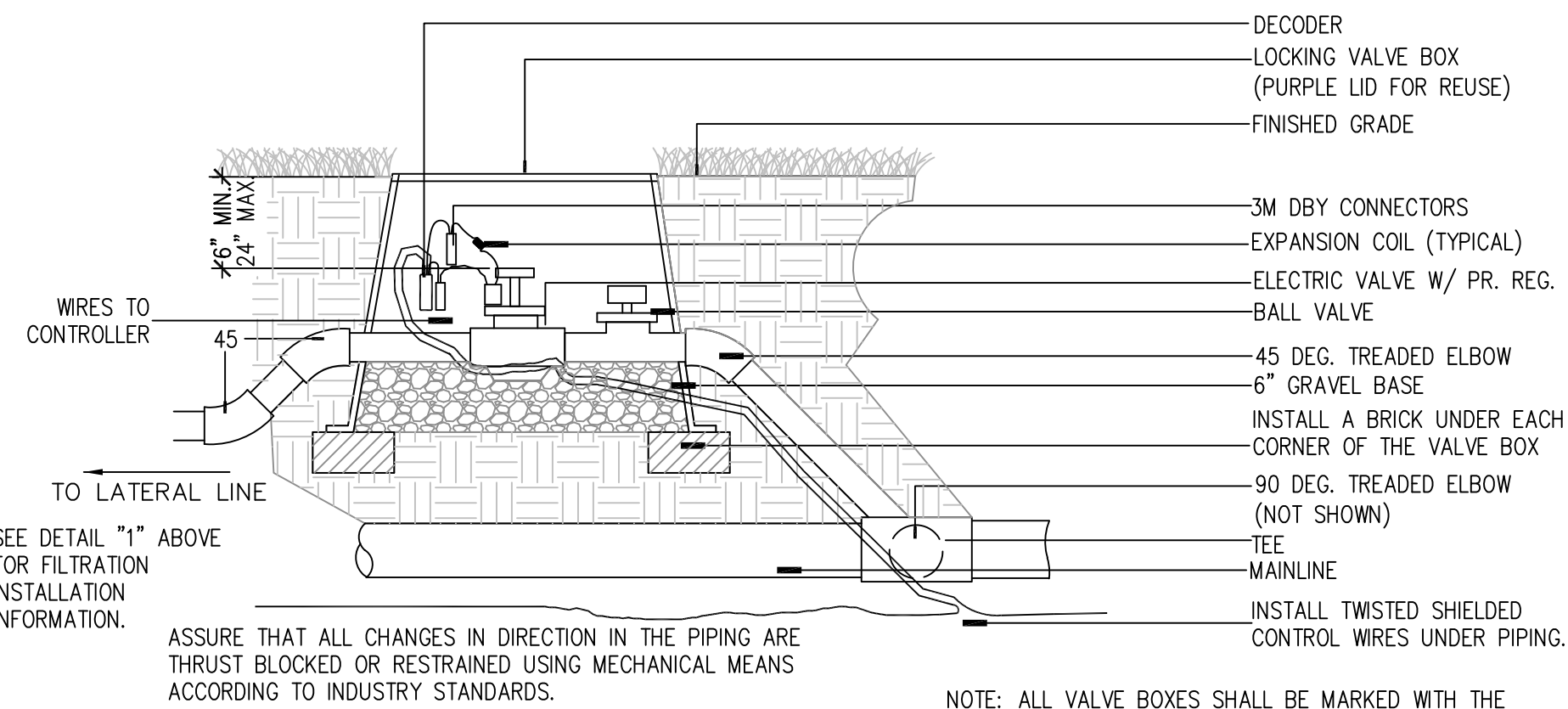
PVC CONDUIT
TO THE
MAINLINE

2 WALL MOUNT CONTROLLER

SCALE: N.T.S.

NOTE:

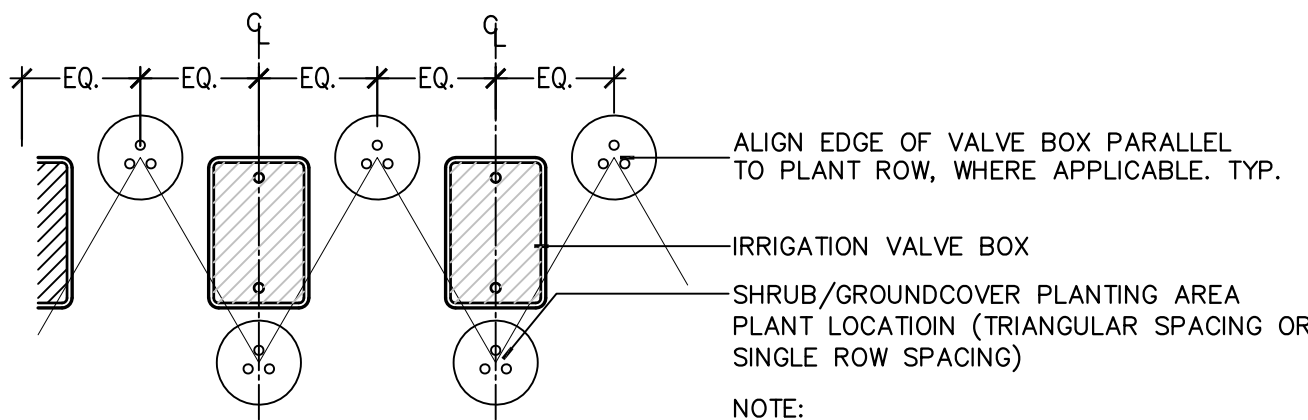
ALL VALVE BOXES SHALL
BE MARKED WITH THE CHRISTY I.D.
TAGS OR SUBSTITUTION ACCEPTABLE
TO OWNER



NOTE: ALL VALVE BOXES SHALL BE MARKED WITH THE
CHRISTY I.D. TAGS OR SUBSTITUTION ACCEPTABLE TO OWNER

3 ZONE VALVE INSTALLATION

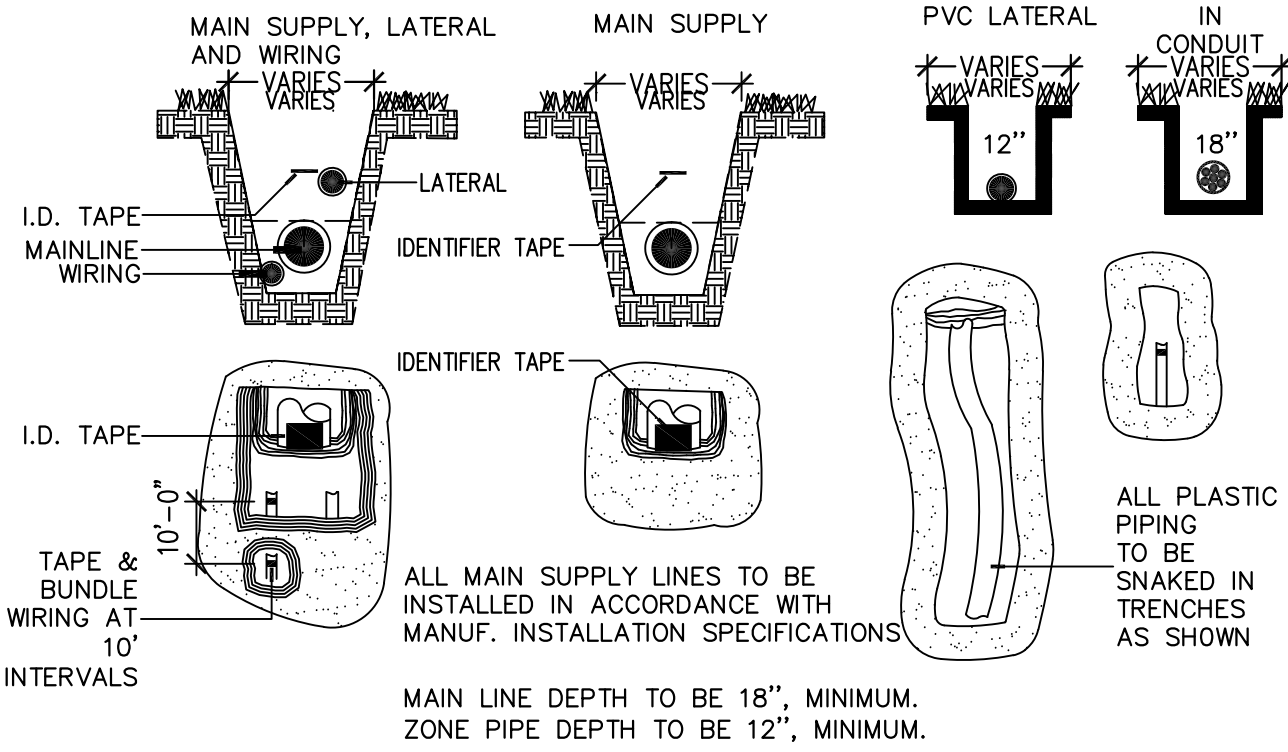
SCALE: N.T.S.



NOTE:
VERIFY ALL VALVE BOX LOCATIONS
WITH LANDSCAPE ARCHITECT

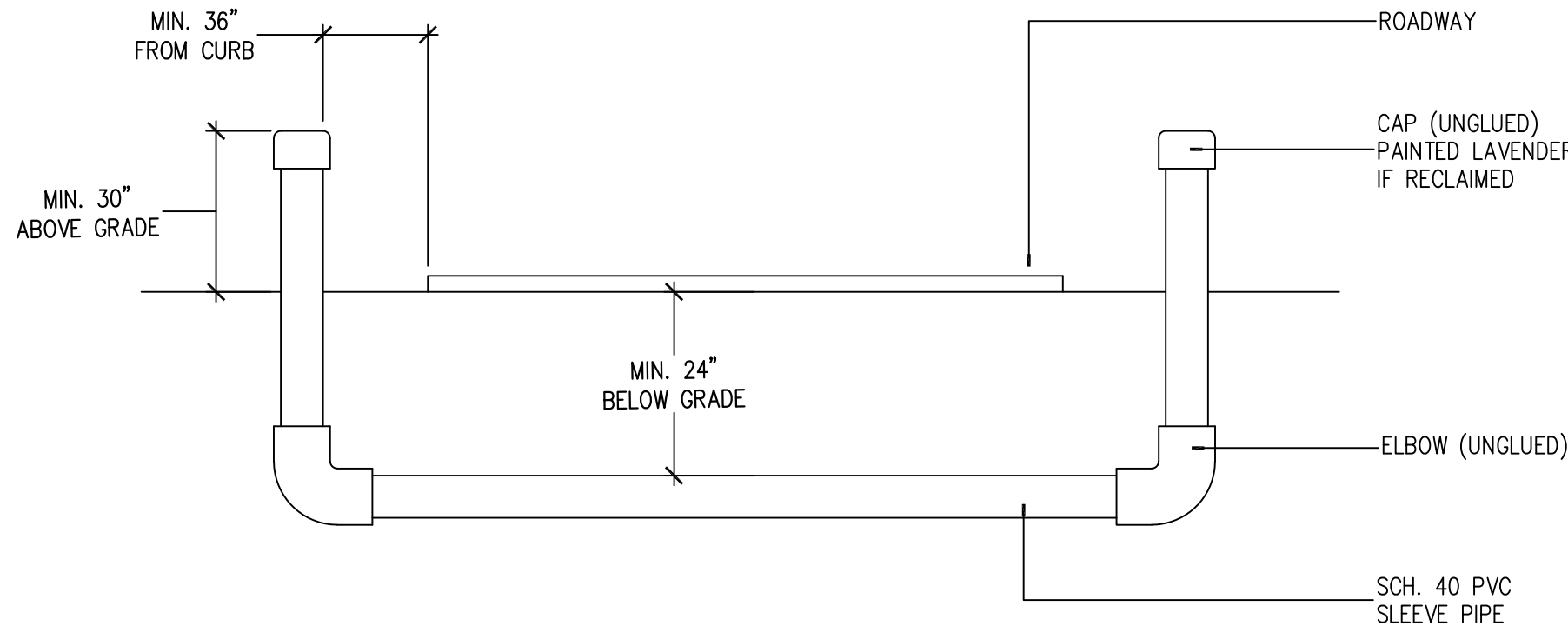
4 TYPICAL VALVE BOX GROUPING

SCALE: N.T.S.



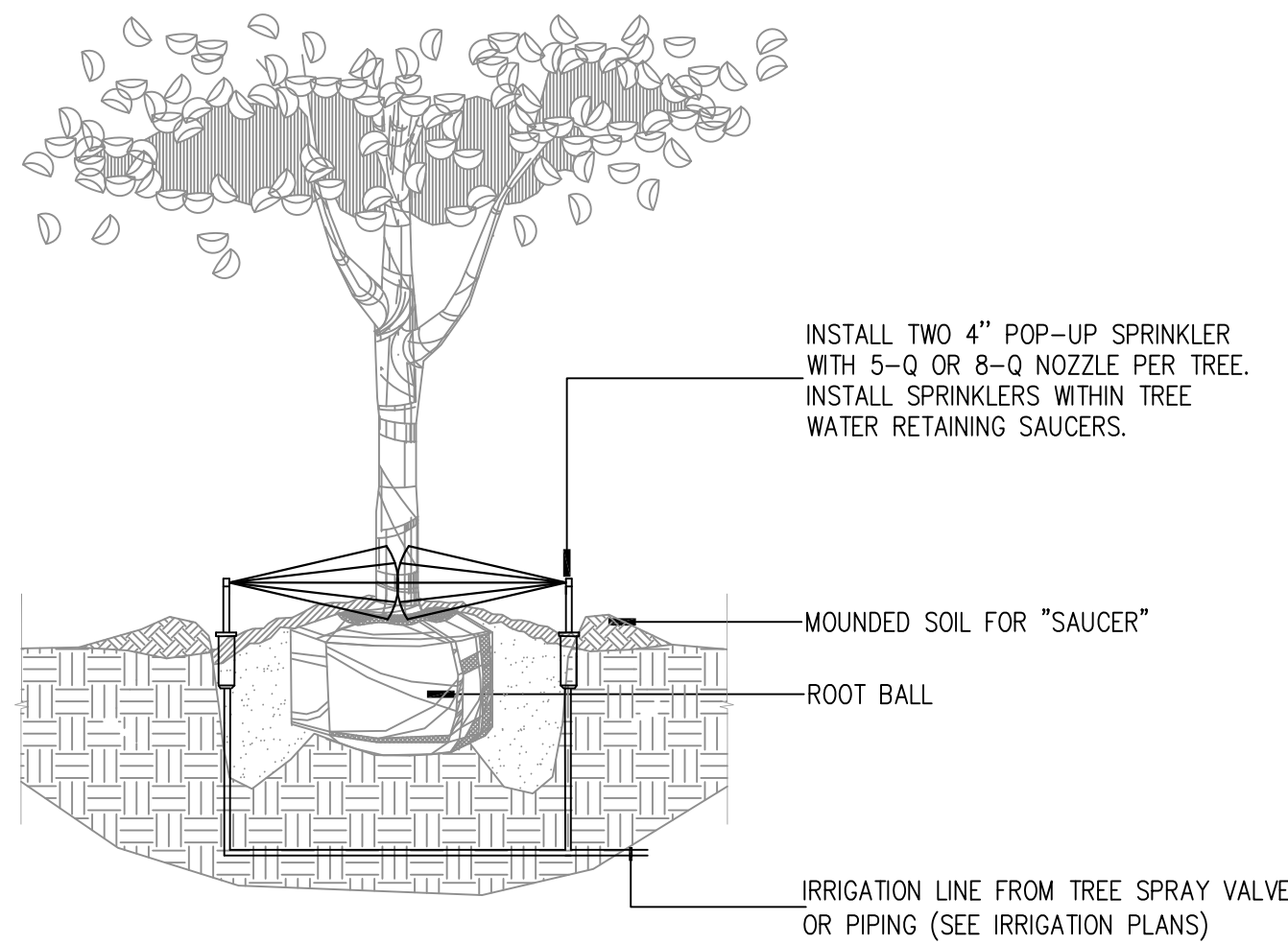
5 PIPE AND WIRE TRENCH CONFIGURATION

SCALE: N.T.S.



6 SLEEVE DETAIL

SCALE: N.T.S.



7 TREE SPRAY LOCATIONS

SCALE: N.T.S.

DETAIL NOTES:

IN LEIU OF ANY FLUSHING CAPS AS SHOWN OR NOTED ON THE DETAILS, INSTALL AUTOMATIC DRIP
LINE FLUSHING VALVES THAT WILL FLUSH APPROXIMATELY ONE GALLON OF IRRIGATION WATER AT THE
BEGINNING OF EACH IRRIGATION CYCLE.

INSTALL HUNTER AFV-B AUTOMATIC LINE FLUSHING VALVES.

IN ADDITION TO THE LOCATIONS NOTED ON THE DETAILS, INSTALL A LINE FLUSHING VALVE, A DRIP AIR
RELIEF VALVE AND A RAIN BIRD "OPERIND" AT THE SUPPLY MANIFOLD, AT THE FAR ENDS OF THE
DRIP TUBING A LINE FLUSHING VALVE AND AIR RELIEF VALVE AT EVERY 7 GPM INTERVAL OR PART
THEREOF OF DRIP TUBING.

INSTALL LANDSCAPE STAPLES EVERY 2-4 FEET OF DRIP TUBING TO STABILIZE THE TUBING.

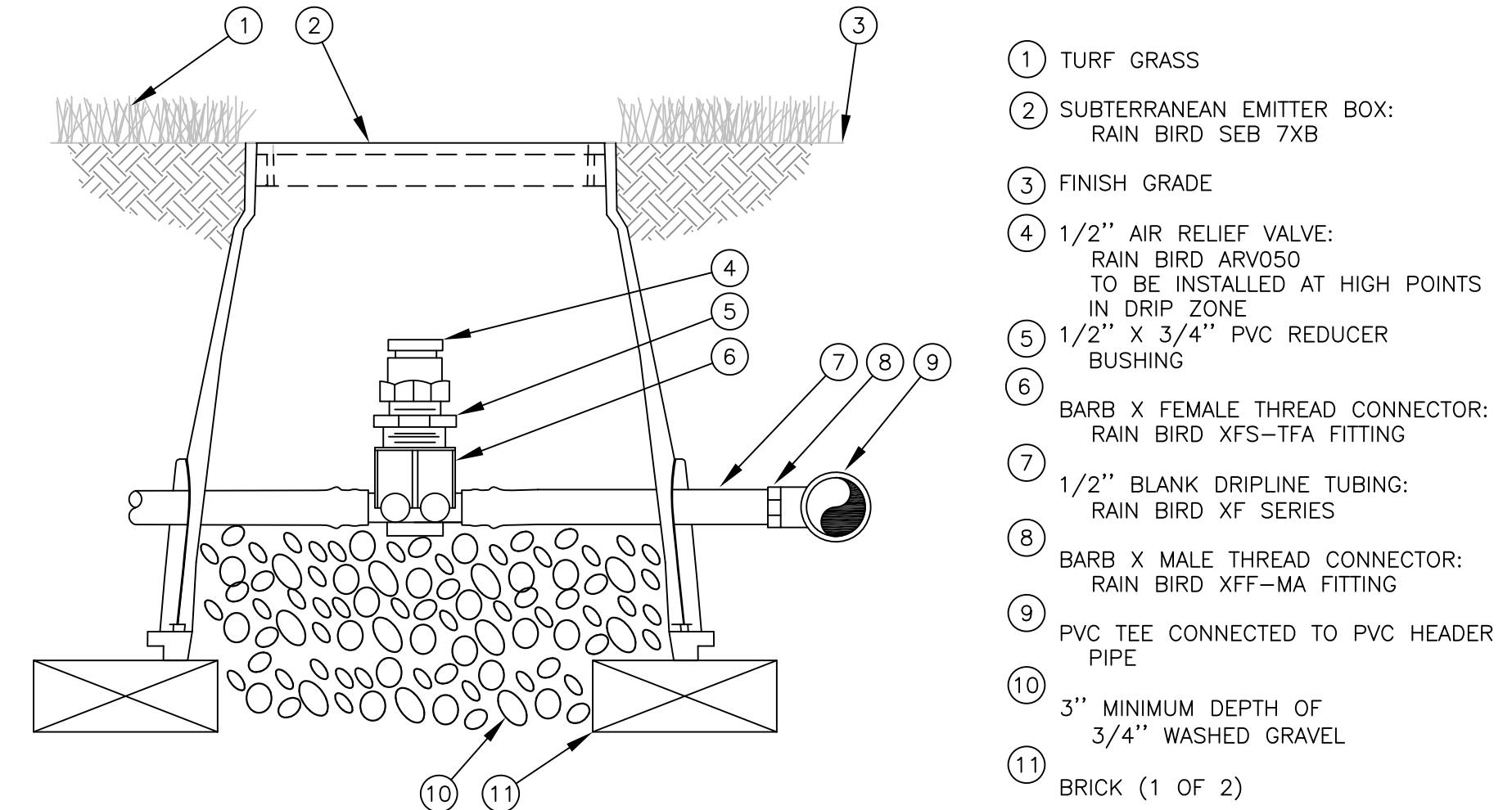
INSTALL A FILTER UPSTREAM OF ALL DRIP ZONE VALVES. INSTALL FILTRATION RATED FOR AT LEAST
125 PERCENT OF THE DRIP ZONE GALLONAGE OF THE DRIP ZONE INSTALLED GALLONAGE.

INSTALL THE FILTERS IN AN ORIENTATION THAT ALLOWS THE MAINTENANCE PERSONNEL EASY ACCESS
TO THE FILTERS FOR FLUSHING AND SUPPLY THE OWNER WITH ALL ITEMS NECESSARY FOR FLUSHING
THE FILTERS, INCLUDING ANY SHUT-OFF VALVES AND HOSES.

DO NOT INSTALL RAIN BIRD XFD TUBING FOR ANY APPLICATIONS, ABOVE OR UNDER GROUND.
INSTALL XFS TUBING FOR ALL APPLICATIONS.

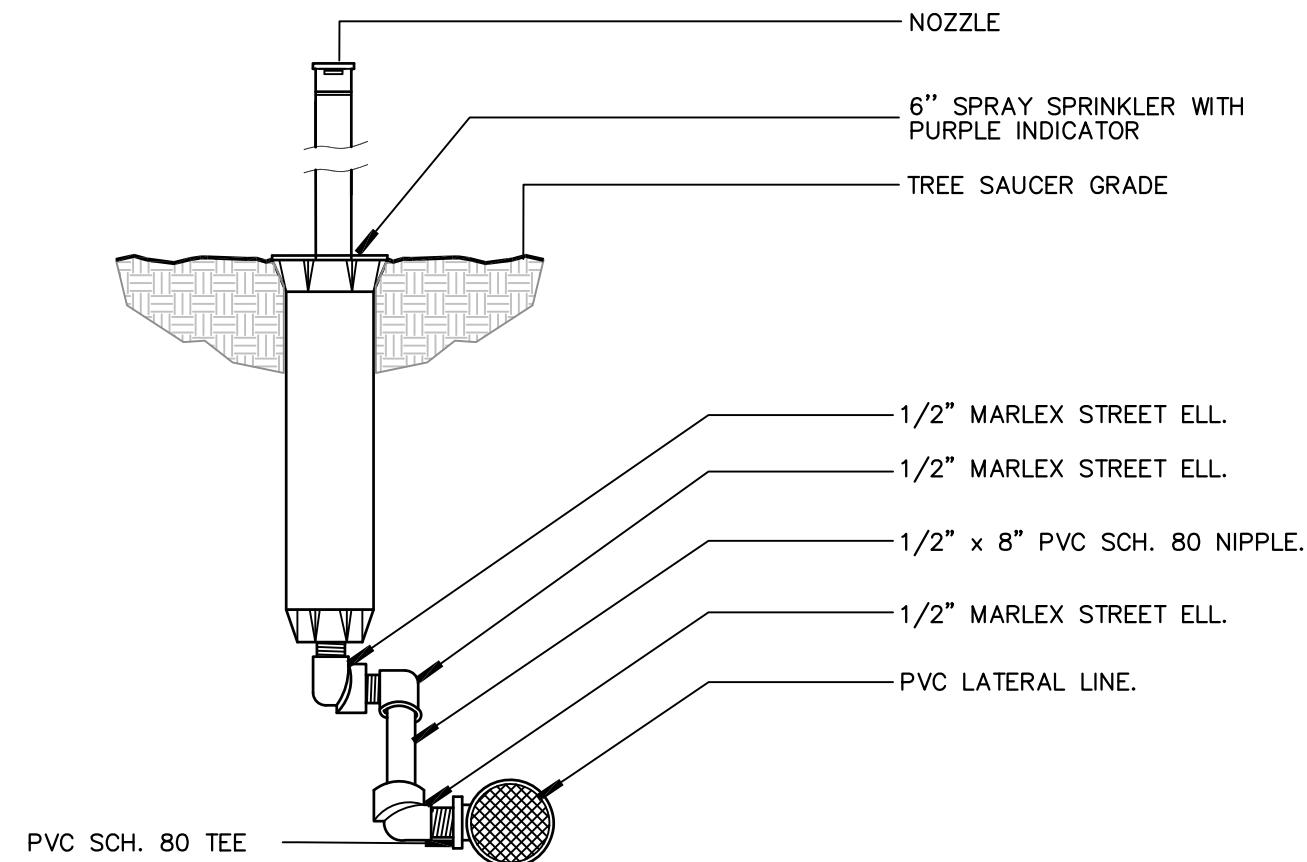
8 DETAIL VARIATION NOTES

SCALE:



9 XFS DRIPLINE - 1/2" AIR RELIEF VALVE IN XFS DRIPLINE

SCALE: N.T.S.



10 6" SPRAY HEAD AT GRADE

SCALE: N.T.S.

MANLEY DESIGN
Landscape Architecture • Site Planning

Manley Design, LLC
224 NW 2nd Avenue, Suite E
Gainesville, Florida 32601
(352) 363-7412
Certificate of Authorization No. LC26000575

PROJECT NAME:

HIGHWAY 55 RESTAURANT - YULEE

Nassau County, FL

for
Centurion Equity
Partners, LLC

SEAL:

THIS DOCUMENT SET HAS BEEN DIGITALLY
SIGNED AND SEALED BY:



PRINTED COPIES OF THIS DOCUMENT ARE NOT
CONSIDERED SIGNED AND SEALED. THE
SIGNATURE MUST BE VERIFIED ON THE
ELECTRONIC DOCUMENTS. THE ABOVE NAMED
REGISTERED LANDSCAPE ARCHITECT SHALL BE
RESPONSIBLE FOR THIS SHEET IN ACCORDANCE
WITH RULE 61G10-11.011 F.A.C.

PROJECT NO: 22-045

CLIENT'S NO.:

ISSUED FOR: SITE DEVELOPMENT
REVIEW

ISSUED DATE: 09 AUG 2022

REVISIONS:

19 SEPT 2022

21 OCT 2022

21 NOV 2022

SCALE:

AS SHOWN

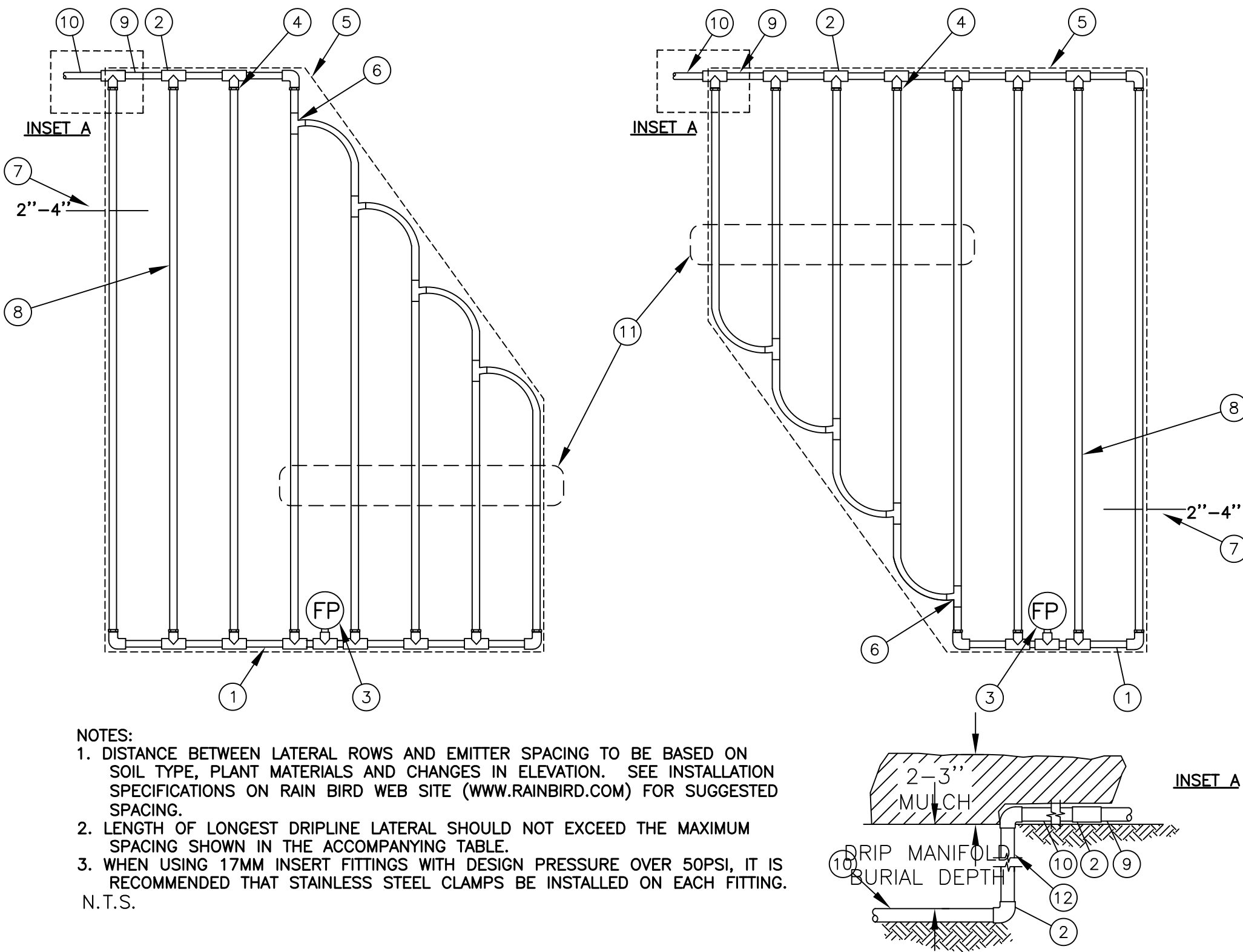
SHEET TITLE:

IRRIGATION DETAILS

SHEET NUMBER:

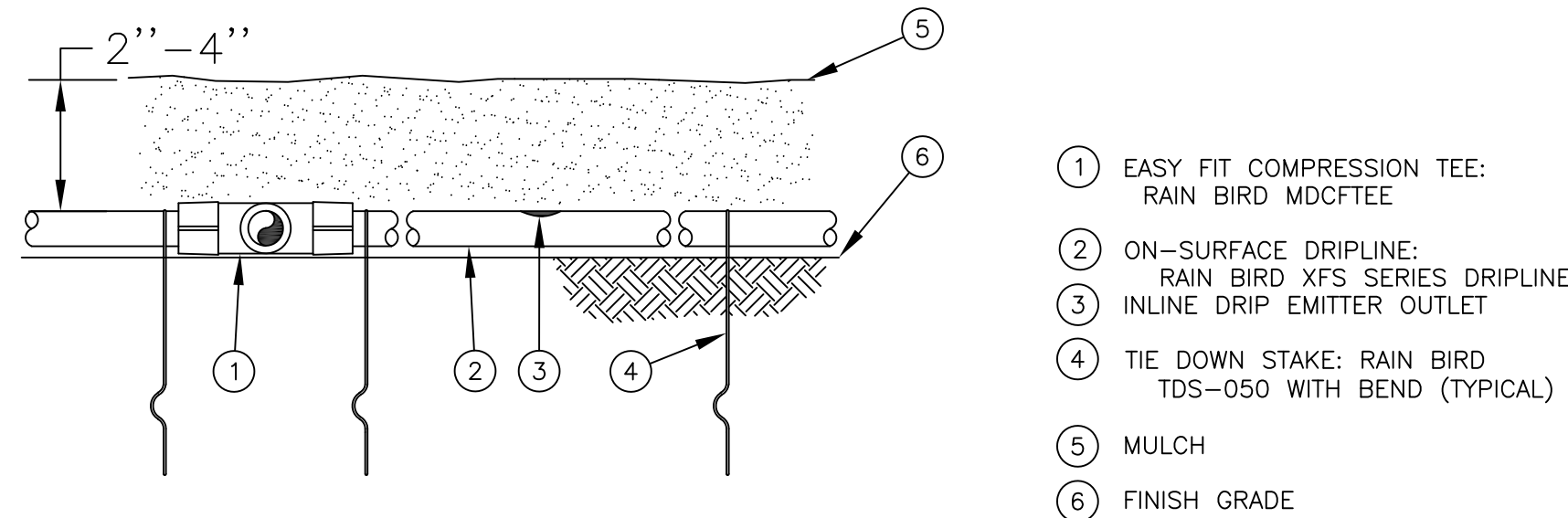
IR-2

PLOTDATE: 11/21/2022 2:31 PM USER: MACED ABREU
 FILENAME: C:\USERS\MACED ABREU\BOX\PROJECT\2022\22-045 HWY 55 RESTAURANT - JBPRO - NASSAUCO\04_PRODUCTION\02_SPR\2022-11-21 SPR 4\01-SHEETS\22045-HWY 55 NASSAU_IRRIGATION.DWG



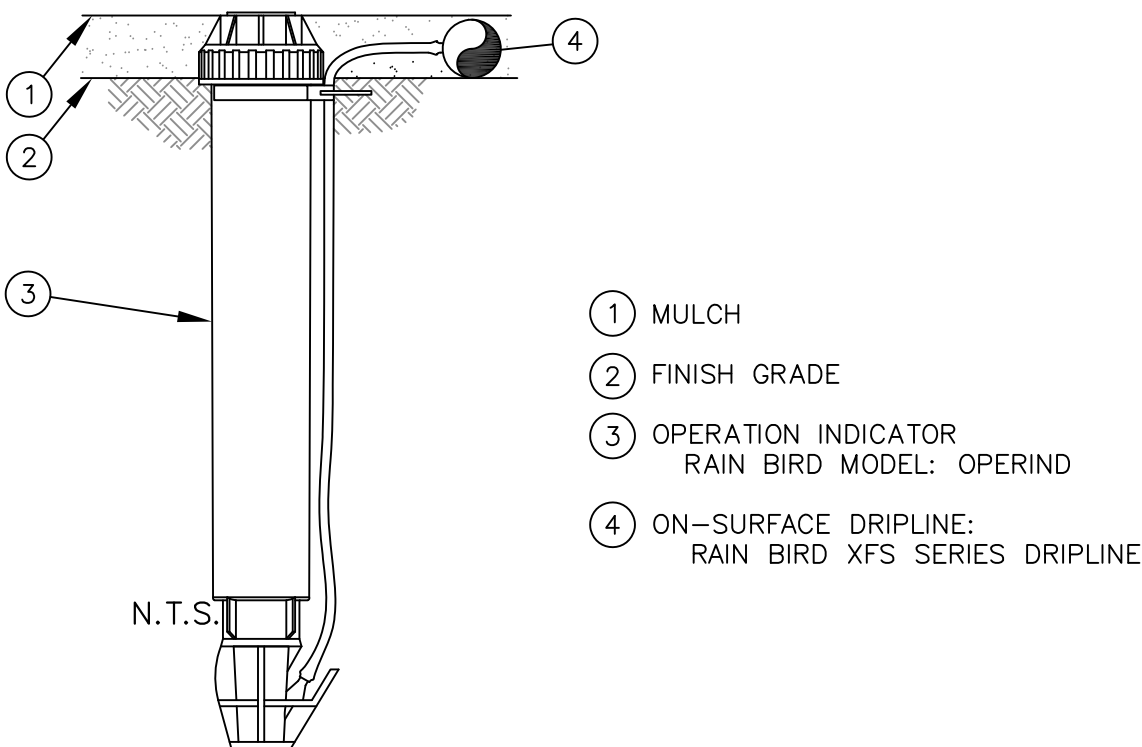
- NOTES:
- DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
 - LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
 - WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING. N.T.S.

1 XFS DRIPLINE - IRREGULAR SHAPED LAYOUT
 SCALE:



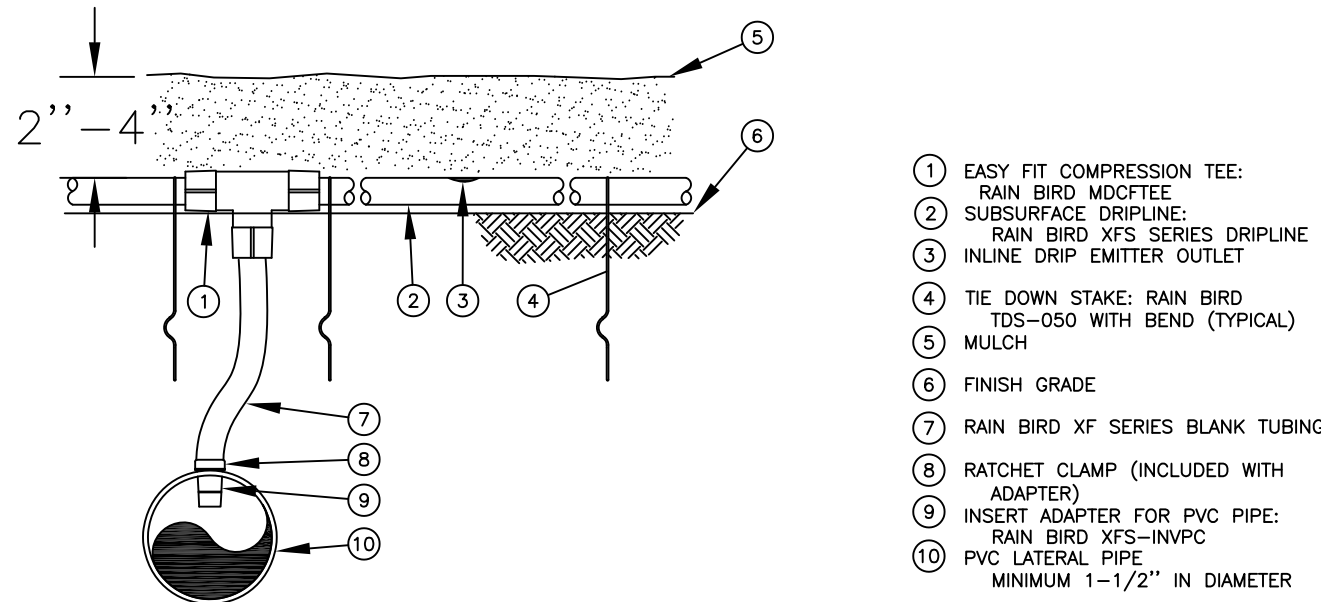
- NOTES:
- PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
 - AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

2 XFS SUBSURFACE DRIPLINE AT GRADE
 SCALE:



- NOTE:
- INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.
 - VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO 1/4 PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

3 XFS DRIPLINE - OPERATION INDICATOR
 SCALE: N.T.S.



- NOTES:
- PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
 - AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

4 XFS DRIPLINE INSERT ADAPTER FOR 1 1/2" OR LARGER PVC
 SCALE:

XFS DRIPLINE MAXIMUM LATERAL LENGTHS (FEET)

PSI	.9 GPH
15	155
20	169
30	230
40	255
50	285
60	290

5 XFS SUBSURFACE DRIPLINE MAXIMUM LENGTHS
 SCALE:

INSTALL RAIN BIRD XFS TUBING WITH ROOT INTRUSION DETERRENT, NOT XFD TUBING OR OTHER TUBING WITHOUT ROOT INTRUSION DETERRENT, WITH ALL FITTINGS AS NECESSARY FOR ALL DRIP TUBING (GROUND COVER AND SHRUB) APPLICATIONS.

INSTALL A LINE OF TUBING A MINIMUM OF 2" FROM HARDSCAPE.

INSTALL 2 ROWS OF TUBING IN HEDGE AREAS.

INSTALL TUBING AT FINISHED GRADE UNDER THE MULCH.

LOOP ALL RUNS OF TUBING WITH A MAXIMUM LOOP DISTANCE FROM THE SUPPLY MANIFOLD PER MANUFACTURER'S MAXIMUMS FOR THE ACTUAL PRESSURE ON SITE..

INSTALL PROPERLY SIZED FILTRATION WITH A STAINLESS STEEL 150 MESH (104 MICRONS) SCREEN FOR EACH VALVE.

INSTALL A VACUUM/AIR RELIEF VALVE AT THE OPPOSITE ENDS OF THE LOOPED DRIP NETWORK AND AT THE TERMINATION OF THE SUPPLY MANIFOLD FROM THE AUTOMATIC VALVE.

INSTALL AN AUTOMATIC LINE FLUSHING VALVE AT ALL AIR/VACUUM RELIEF VALVE LOCATIONS WITH ALL FITTINGS AS NECESSARY TO FLUSH THE SYSTEM INTO THE LANDSCAPE, WHEN THE ZONE COMMENCES OPERATION..

INSTALL A RAIN BIRD "OPERIND" AT EACH ZONE END VACUUM/AIR RELIEF VALVE LOCATION.

DRIP TUBING QUANTITIES AND GALLONAGES ON PLANS ARE APPROXIMATE. CONTRACTOR TO VERIFY EXACT QUANTITIES AND GALLONAGES AND CONFIRM THE SYSTEM CAPABILITY TO PROVIDE THOSE GALLONAGES. CONTRACTOR TO BE PAID FOR ACTUAL QUANTITY OF DRIP TUBING AND BLANK TUBING INSTALLED UP TO A MAXIMUM QUANTITY AS SHOWN ON THE PLANS.

QUANTITIES ON PLANS DO NOT INCLUDE BLANK TUBING OR PVC HEADERS. INCLUDE THESE ITEMS AND ANY OTHER ITEMS NECESSARY FOR A FULLY FUNCTIONING AUTOMATIC SYSTEM IN BID AND INSTALLATION.

INSTALL LANDSCAPE STAPLES 6' O.C. AND ANYWHERE ELSE NECESSARY TO SECURE TUBING TO THE GROUND.

FOLLOW THE MANUFACTURER'S INSTALLATION GUIDELINES INCLUDED WITH THE PRODUCTS.

DO NOT CURVE TUBING TO LOOP AT THE ENDS OF RUNS. INSTEAD USE (2) 90 DEG. FITTINGS AND A SHORT PIECE OF TUBING.

6 DRIP TUBING NOTES (CONTINUED)
 SCALE:

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.

PROVIDE PROOF TO THE LANDSCAPE ARCHITECT THAT ALL AVAILABLE MAINTENANCE MANUALS FOR EACH OF THE PRODUCTS INCLUDED IN THIS INSTALLATION HAVE BEEN PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE.

ANY EXISTING TREE ROOTS, WHEN ENCOUNTERED DURING INSTALLATION OF UTILITIES, SHALL BE CUT OFF EVENLY WITH CLEAN SHARP PRUNING TOOLS AND COVERED WITH SOIL AS SOON AS POSSIBLE TO REDUCE DEHYDRATION. THE CONTRACTOR/DEVELOPER SHALL MINIMIZE THE DAMAGE TO EXISTING TREE ROOT SYSTEMS.

INSTALL THE SYSTEM IN ACCORDANCE WITH THE LOCAL CODES REGARDING IRRIGATION SYSTEMS.

CONNECT TO THE REDUCED PRESSURE BACKFLOW PREVENTER STUBOUT AS THE POINT OF CONNECTION.

INSTALL 2 SPARE (#14 BLACK) WIRES FROM THE CONTROLLER TO THE FARTHEST VALVE LOCATION FROM THE CONTROLLER IN EACH DIRECTION.

INSTALL ALL PIPING BETWEEN SAME SIZED PIPES AS THAT SIZE OF PIPE.

INSTALL ALL PIPING DOWNSTREAM OF THE LAST MARKED PIPE AS 3/4" PIPE.

7 GENERAL IRRIGATION NOTES
 SCALE:

PROJECT NAME:

HIGHWAY 55
 RESTAURANT
 - YULEE

Nassau County, FL

for
 Centurion Equity
 Partners, LLC

SEAL:
 THIS DOCUMENT SET HAS BEEN DIGITALLY
 SIGNED AND SEALED BY:



PRINTED COPIES OF THIS DOCUMENT ARE NOT
 CONSIDERED SIGNED AND SEALED. THE
 SIGNATURE MUST BE VERIFIED ON THE
 ELECTRONIC DOCUMENTS. THE ABOVE NAMED
 REGISTERED LANDSCAPE ARCHITECT SHALL BE
 RESPONSIBLE FOR THIS SHEET IN ACCORDANCE
 WITH RULE 61G10-11.011 F.A.C.

PROJECT NO: 22-045
 CLIENT'S NO.:
 ISSUED FOR: SITE DEVELOPMENT
 REVIEW

ISSUED DATE: 09 AUG 2022

REVISIONS:

19 SEPT 2022
 21 OCT 2022
 21 NOV 2022

SCALE:

AS SHOWN

SHEET TITLE:

IRRIGATION DETAILS
 AND NOTES

SHEET NUMBER:

IR-3

PLOTDATE: 11/21/2022 2:32 PM USER: MACED ABREU
 FILENAME: C:\USERS\MACED ABREU\BOX\PROJECT\2022\22-045 HWY 55 RESTAURANT - JBPRO - NASSAUCO\04_PRODUCTION\02_SPR\2022-11-21 SPR 4\01_SHEETS\22045_HWY 55 NASSAL_IRRIGATION.DWG

PART 1 – GENERAL

DESCRIPTION

FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND TRANSPORTATION, UNLESS OTHERWISE SPECIFIED, NECESSARY TO PROVIDE AN AUTOMATIC IRRIGATION SYSTEM FOR LANDSCAPE PLANT MATERIALS AND TURF AND MULCH AREAS.

APPLICABLE STANDARDS

AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS S376.1, "DESIGN, INSTALLATION AND PERFORMANCE OF UNDERGROUND, THERMOPLASTIC IRRIGATION PIPELINES."

ASTM D2774, "UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING."

ASTM D1785, POLY (VINYL CHLORIDE) (PVC) PLASTIC PIPE, SCHEDULES 40, 80, AND 120.

ASTM D2241 POLY (VINYL CHLORIDE) (PVC) PLASTIC PIPE (SDR–PR).

SUBSTITUTIONS

WHEREVER BRAND NAMES ARE USED IN THESE SPECIFICATIONS, USE ONLY THE BRAND SPECIFIED. MAKE NO SUBSTITUTIONS AS A PART OF THIS BID PACKAGE.

PART 2 – MATERIALS

PIPE

FURNISH ALL UNDERGROUND PIPING AS PVC EXCEPT FOR THE PIPING THAT IS TO BE USED BETWEEN THE LATERALS AND SPRINKLER HEADS. INSTALL ALL MAIN LINE PVC PIPE AS SCHEDULE 40 PVC AND ALL ZONE PIPING AS CL 200 (SDR 21) OR BETTER.

SIZE EACH SLEEVE AT LEAST TWICE (2X) THE SIZE OF THE PIPE BEING ROUTED THROUGH IT. INSTALL EACH CONTROL WIRE SLEEVE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES BEING ROUTED THROUGH IT UNDER THE AREA SPECIFIED. CONSULT WITH THE OWNER OR OWNER'S REPRESENTATIVE FOR THE LOCATION, DEPTH, NUMBER AND SIZE OF ANY AVAILABLE EXISTING SLEEVES.

INSTALL ALL ABOVE GROUND PIPE AS D.I.P. OR GALVANIZED PIPE.

FURNISH FLEXIBLE POLYETHYLENE PIPE (POLY PIPE) AS VIRGIN POLYETHYLENE PIPE WITH A MINIMUM OF 5/8" INSIDE DIAMETER IN INDIVIDUAL LENGTHS OF AT LEAST 22' PER PIECE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. NO "FLEX PVC" IS ALLOWED.

PIPE FITTINGS

FOR MAIN LINE PVC PIPE FITTINGS, USE SCHEDULE 40 SOLVENT WELD FITTINGS. USE FITTINGS WITH THREADED OUTLETS FOR CONNECTIONS TO THE REMOTE CONTROL VALVES.

FOR PVC ZONE PIPE, USE SCHEDULE 40, SOLVENT WELD FITTINGS, MANUFACTURED FROM PVC 12454–B COMPOUND AND TESTED IN ACCORDANCE WITH ASTM D2466, EXCEPT FOR THREADED FITTINGS. FOR THREADED APPLICATIONS, USE SCHEDULE 80 FITTINGS MANUFACTURED FROM PVC 12454– B COMPOUND AND TESTED IN ACCORDANCE WITH ASTM D2467.

CONNECT ALL RISER ASSEMBLIES TO THE IRRIGATION PIPELINE WITH A SCHEDULE 80 TEE, AS DESCRIBED ABOVE.

DO NOT USE MALE ADAPTERS FOR ANY APPLICATIONS. INSTEAD, USE ONE HALF OF A SCHEDULE 80 NIPPLE GLUED INTO A SCHEDULE 40 COUPLER.

CONNECT ALL PVC PIPING TO GALVANIZED PIPING USING A "TOE" NIPPLE

SOLVENT CEMENT AND PRIMER

USE A MEDIUM OR HEAVY BODY GRAY SOLVENT CEMENT MANUFACTURED IN ACCORDANCE WITH ASTM D2564 AND PRIMER MANUFACTURED IN ACCORDANCE WITH ASTM F656.

SPRINKLERS

INSTALL RAIN BIRD 1804–SAM–PRS 4" SERIES SPRINKLERS WITH APPROPRIATE NOZZLES AND SCREENS AT GRADE FOR ALL TREE SPRAY APPLICATIONS.

DRIP TUBING

INSTALL RAIN BIRD XFS (NOT XFD) .9 GPH. 12" O.C. DRIP TUBING FOR ALL DRIP TUBING FOR ALL.

DRIP TUBING FLUSHING VALVES

INSTALL HUNTER LFV–B 1 GAL. FLUSHING VALVESFOR ALL DRIP APPLICATIONS.

ELECTRIC VALVES

USE HUNTER ELECTRIC VALVES FOR ALL APPLICATIONS. INSTALL PRESSURE REGULATION AND FILTRATION FOR THE DRIP APPLICATIONS.

CONTROLLER

USE A HUNTER 6–STATION CONTROLLER PER THE LEGEND AND A SOLAR–SYNC SENSOR FOR THIS SYSTEM.

WIRE

USE U.F. WIRE APPROVED FOR DIRECT BURIAL UNDERGROUND FOR ALL 24 VAC APPLICATIONS.

USE RED #14 AWG WIRE FOR ALL VALVE POWER WIRES.

USE WHITE #14 AWG WIRE FOR THE VALVE COMMON WIRE.

VALVE BOXES

USE AMETEK JUMBO VALVE BOXES FOR ALL APPLICATIONS.

POINT OF CONNECTION

CONNECT TO A STUBOUT CAPABLE OF 12 GPM AT 40 PSI AT THE POC.

SPLICING MATERIALS

USE DBY SPLICE KITS FOR ALL UNDERGROUND WIRE SPLICING APPLICATIONS

MATERIAL QUANTITIES

VERIFY ALL MATERIAL QUANTITIES BEFORE BIDDING.

TESTING MATERIALS

PROVIDE ALL MATERIALS NECESSARY FOR THE TESTING OF THE SYSTEM, INCLUDING PUMPS, GENERATORS, HOSES, PIPING, FITTINGS, ETC.

ASSURE THAT ALL ITEMS FOR TESTING ARE IN A SAFE AND ACCEPTABLE OPERATING CONDITION.

PART 3 – EXECUTION

A. GENERAL

INSTALL PVC PIPE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REVIEW CONSTRUCTION PLANS WITH THE OWNER OR OWNER'S REPRESENTATIVE BEFORE ANY WORK BEGINS. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT/OWNER PRIOR TO INSTALLATION IF THERE IS ANY DOUBT AS TO HEAD LINE OR ZONE PLACEMENT.

INSPECT THE CONSTRUCTION SITE BEFORE ANY WORK BEGINS AND FLAG LOCATIONS OF MAINLINE PIPE, SLEEVES, HEADS AND VALVES FOR REVIEW BY THE LANDSCAPE ARCHITECT/OWNER. FLAGS SHALL BE CLEARLY MARKED OR COLORED TO DESIGNATE THE TYPE OF EQUIPMENT TO BE INSTALLED AT THAT POINT. INSTALLATION SHALL NOT COMMENCE UNTIL THE STAKING/FLAGGING HAS BEEN APPROVED.

COORDINATE THE INSTALLATION OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE CONTRACTOR TO PROVIDE FOR CORRECT APPLICATION OF WATER TO THE PLANT MATERIAL.

PIPE TRENCH CONSTRUCTION

PROVIDE FOR A MINIMUM DEPTH OF COVER OF 18" FOR ALL MAINLINE PIPE AND 12" OF COVER FOR ALL ZONE PIPE AS MEASURED FROM FINISHED GRADE.

PROVIDE THE MINIMUM DEPTH OF COVER, AS SPECIFIED ABOVE, OVER THE TOP OF THE PIPE BEFORE THE TRENCH IS WHEEL–LOADED.

BACK FILL

PROVIDE INITIAL BACK FILL MATERIAL THAT IS FINE–GRAINED MATERIAL FREE FROM COMPACTED EARTH GREATER THAN TWO INCHES IN DIAMETER, ROCKS, OR STONES.

TAMP THE BACK FILL IN LAYERS NOT TO EXCEED SIX INCHES. LIFT AND COMPACT FIRMLY AROUND THE PIPE AND UP TO AT LEAST SIX INCHES ABOVE THE TOP OF THE PIPE. SUFFICIENTLY MOISTEN THE BACK FILL TO PERMIT THOROUGH COMPACTION UNDER AND ON EACH SIDE OF THE PIPE TO PROVIDE SUPPORT FREE FROM VOIDS. AVOID DEFORMING, DISPLACING, OR DAMAGING PIPE DURING THIS PHASE OF THE OPERATION. ASSURE THAT WHEN FINISHED, THE SOIL COMPACTION EQUALS THE ORIGINAL CONDITION.

FITTING AND PIPE CONNECTIONS

SQUARE CUT, CLEAN AND PRIME ALL JOINTS BEFORE CEMENTING.

FULLY ENGAGE ALL JOINTS WHILE CEMENTING.

PVC FITTINGS – MAKE ALL SOLVENT WELD JOINTS IN ACCORDANCE WITH ASTM D2855. PRIME ALL FITTINGS WITH PURPLE PRIMER BEFORE MAKING SOLVENT WELD CONNECTIONS. ALLOW SOLVENT WELDED JOINTS AT LEAST ONE (1) HOUR TO SET UP BEFORE MOVING OR HANDLING. DO NOT PERMIT WATER IN THE PIPE FOR AT LEAST TWENTY–FOUR HOURS AFTER MAKING A SOLVENT WELD ON THAT PIPE UNLESS RECOMMENDED OTHERWISE BY THE SOLVENT CEMENT MANUFACTURER. SEAL ALL THREADED PVC FITTINGS WITH LIQUID TEFLON EXCEPT SPRINKLER HEADS, ELECTRIC VALVE CONNECTIONS AND SWING JOINTS. INSTALL ALL OF THESE EXCEPTIONS USING ONE INCH TEFLON TAPE.

FLUSHING PIPELINES

FLUSH ALL PIPELINES BEFORE SPRINKLERS ARE INSTALLED. MAINTAIN A MINIMUM PIPE VELOCITY OF THREE FEET PER SECOND AND FLUSH FOR A MINIMUM TIME OF:

T = 2L/3 WHERE T = TIME IN SECONDS

& L = PIPE LENGTH IN FEET FROM INLET POINT TO MOST DISTANT POINT IN PIPELINE.

INSTALLING ELECTRIC VALVE CONTROL WIRING

INSTALL WIRING IN THE SAME TRENCH AND ALONG THE SAME ROUTE AS, AND UNDERNEATH THE MAINLINE EXCEPT IN LOCATIONS WHERE THE WIRE WILL PASS UNDER PAVING. AT THOSE LOCATIONS INSTALL THE WIRE INSIDE OF A PVC SLEEVE. INSTALL CONTROL WIRING THROUGH WALLS, FLOORS, AND SLABS IN PVC SLEEVES.

USE A CONTINUOUS WIRE BETWEEN THE DECODER AND VALVE. MAKE AN EXPANSION LOOP OF A MINIMUM 12 INCHES DIAMETER AT EACH WIRE CONNECTION.

ATTACH PERMANENT MARKINGS AT EACH END OF EACH WIRE NEAR THE VALVE TO IDENTIFY IT BY VALVE NUMBER.

AUTOMATIC CONTROLLER INSTALLATION

LOCATION – VERIFY LOCATION WITH OWNER OR OWNER'S REPRESENTATIVE BEFORE INSTALLATION.

VERIFY THAT SUFFICIENT SLEEVING EXISTS TO ALLOW ROUTING OF THE VALVE WIRING FROM THE CONTROLLER TO EACH VALVE.

VALVE INSTALLATION

INSTALL ALL AUTOMATIC ZONE VALVES AND BALL VALVES IN VALVE BOXES. NUMBER EACH ZONE VALVE BOX ON THE UNDERSIDE AND TOPSIDE OF EACH VALVE BOX COVER WITH BLACK WATERPROOF MARKER FOR REFERENCE.

INSTALL ANY MAIN LINE ISOLATION VALVES IN VALVE BOXES.

INSTALLATION OF SPRAY HEADS.

INSTALLATION SCHEDULE – INSTALL SPRAY HEADS AFTER THE SPRINKLER BODY ASSEMBLIES HAVE BEEN CLEANLY FLUSHED.

ORIENTATION – INSTALL POP–UP UNITS IN A PLUMB POSITION AND FIELD ADJUST SPRINKLER HEADS TO OBTAIN COMPLETE COVERAGE OF IRRIGATED AREA WITH MINIMUM OVER SPRAY ONTO PAVED SURFACES. HEADS ARE TO BE LOCATED ON A MAXIMUM SPACING OF 55% OF THE SPRINKLER COVERAGE DISTANCE AND CLOSER WHERE INDICATED. ADJUST NOZZLE DISTANCE AS NEEDED TO COVER PLANT MATERIALS AND MINIMIZE OVER SPRAY ON STRUCTURES AND PAVEMENT. ALIGN POP–UP SPRAY HEADS IN A VERTICAL ORIENTATION AS SHOWN IN THE DETAILS. ADJUST AS NECESSARY TO PROVIDE THE BEST COVERAGE IN SLOPED AREAS.

TESTING

PRESSURE TEST THE SYSTEM MAIN LINE BEFORE APPRECIABLY BACKFILLING.

PRESSURE TEST THE SYSTEM MAIN LINE, IN THE PRESENCE OF THE OWNER OR OWNER'S REPRESENTATIVE, FOR A PERIOD OF NO LESS THAN FOUR HOURS, CONTINUOUSLY, AT A PRESSURE OF NO LESS THAN 100 PSI WITH NO LEAKS AND ASSURE THAT ANY TESTS OF THE SYSTEM MAIN LINE MEET THE ORANGE COUNTY PLUMBING CODES. IF LEAKAGE OCCURS, REMEDY THE LEAKAGE PROBLEM AND RETEST. REPEAT THIS PROCESS AS MANY TIMES AS NECESSARY UNTIL A SUCCESSFUL TEST IS PERFORMED.

INSPECTIONS

THE FOLLOWING INSPECTIONS ARE REQUIRED. NOTIFY OWNER OR OWNER'S REPRESENTATIVE IN ADVANCE THAT EACH ITEM IS READY FOR INSPECTION AS INDICATED BELOW:

INSPECTION OF FLAGGED UNDERGROUND MAINLINE PIPING, SLEEVES, SPRINKLER AND VALVE LOCATIONS PRIOR TO BEGINNING CONSTRUCTION – NOTIFY 48 HOURS IN ADVANCE.

SPRINKLER COVERAGE TEST – NOTIFY 48 HOURS IN ADVANCE.

FINAL INSPECTION – NOTIFY 48 HOURS IN ADVANCE.

TESTING

COVERAGE TESTS – CONDUCT SPRINKLER COVERAGE TESTS UNDER NORMAL OPERATING PRESSURE CONDITIONS BEFORE ANY GROUND COVER OR TURF IS PLANTED. CORRECT AND FIELD ADJUST SPRINKLER ORIENTATION TO PROVIDE UNIFORM PRECIPITATION OVER THE IRRIGATED AREA AND MINIMIZE OVER SPRAY ONTO PAVED SURFACES AND BUILDINGS.

WARRANTY

THE CONTRACTOR SHALL ISSUE TO THE OWNER OR OWNER'S REPRESENTATIVE A CERTIFICATE OF WARRANTY OF THE IRRIGATION SYSTEM FOR A PERIOD OF NOT LESS THAN ONE YEAR ON ALL SPRINKLERS, VALVES, THE CONTROLLER, AND HIS LABOR.

DRAWING OF RECORD

THE CONTRACTOR SHALL SUPPLY TO THE OWNER A DRAFTED, SCALED, REPRODUCIBLE PLAN SHOWING ALL CHANGES MADE TO THE EXISTING IRRIGATION SYSTEM AND ALL NEWLY INSTALLED COMPONENTS INCLUDING ALL SPRINKLERS, INCLUDING BODY TYPES AND NOZZLES, PIPE, INCLUDING SIZES AND THE ENDS OF SLEEVING LOCATIONS AS MEASURED FROM AT LEAST TWO FIXED OBJECTS, CONTROLLER, AND WIRE ROUTING. THIS PLAN MAY BE AN ADAPTATION OF THE IRRIGATION DESIGN WITH ANY CHANGES DRAFTED ON THIS PLAN. THE DRAWING SHALL ALSO PROVIDE A MINIMUM OF TWO (2) DIMENSIONS TAKEN FROM FIXED OBJECTS TO EACH AUTOMATIC VALVE AND MANUAL CONTROL VALVE.

ADDITIONAL SUBMITTALS

SUPPLY TO THE OWNER ALL INSTRUCTION SHEETS AND PARTS LISTS COVERING ALL OPERATING AND ELECTRICAL–RELATED EQUIPMENT, BOUND IN ONE FOLDER. FURNISH THE OWNER WITH ANY KEYS FOR LOCKABLE ITEMS ON THIS SYSTEM.

RAIN GAUGE

ASSURE THAT THE CONTROLLER IS INTERFACED WITH A RAIN/FREEZE SWITCH WHICH WILL SHUT THE SYSTEM OFF IN CASE OF RAIN AND FREEZING WEATHER.

MISCELLANEOUS

ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF THE PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS. CONTACT THE OWNER OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF IN ANY DOUBT OF HEAD, LINE OR ZONE PLACEMENT.

ASSURE THAT THE SYSTEM PROVIDES 100% COVERAGE OF ALL LANDSCAPED AREAS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING WITH THE INSTALLATION.

ALL APPLICABLE CODES SHALL TAKE PRECEDENCE OVER THESE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL APPLICABLE CODES.

THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE MINOR FIELD CHANGES.

FIELD ADJUST NOZZLE SELECTION LOCATIONS AND PLUMB OF SPRINKLERS TO PROVIDE PROPER COVERAGE.

ADJUST ALL VALVE FLOW CONTROL KNOBS AND PRESSURE REGULATORS TO PROVIDE PROPER COVERAGE AND TO REDUCE FOGGING OF SPRINKLERS.

MANLEY DESIGN

Landscape Architecture • Site Planning

Manley Design, LLC
 224 NW 2nd Avenue, Suite E
 Gainesville, Florida 32601
 (352) 363-7412
 Certificate of Authorization No. LC26000575

PROJECT NAME:

HIGHWAY 55 RESTAURANT - YULEE

Nassau County, FL

for
 Centurion Equity
 Partners, LLC

SEAL:

THIS DOCUMENT SET HAS BEEN DIGITALLY
 SIGNED AND SEALED BY:



PRINTED COPIES OF THIS DOCUMENT ARE NOT
 CONSIDERED SIGNED AND SEALED. THE
 SIGNATURE MUST BE VERIFIED ON THE
 ELECTRONIC DOCUMENTS. THE ABOVE NAMED
 REGISTERED LANDSCAPE ARCHITECT SHALL BE
 RESPONSIBLE FOR THIS SHEET IN ACCORDANCE
 WITH RULE 61G10-11.011 F.A.C.

PROJECT NO: 22-045
 CLIENTS NO.:
 ISSUED FOR: SITE DEVELOPMENT
 REVIEW

ISSUED DATE: 09 AUG 2022

REVISIONS:

19 SEPT 2022
 21 OCT 2022
 21 NOV 2022

SCALE:

NOT APPLICABLE

SHEET TITLE:

IRRIGATION TECHNICAL SPECIFICATIONS

SHEET NUMBER:

IR-4