PHASE	REVIEW	ORIGINATOR (RP)	DATE	ORIGINATOR (QR)	Correct (Green Highlighter) Change	VERIFICATION, CHECKER (QR)	(Blue Highlighter)	DATE
		PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		CHECKER (RP)	(Red Pen X-Out to Disagree or Remark)	REMARK INCORPORATION	(Blue Highlighter)	DATE
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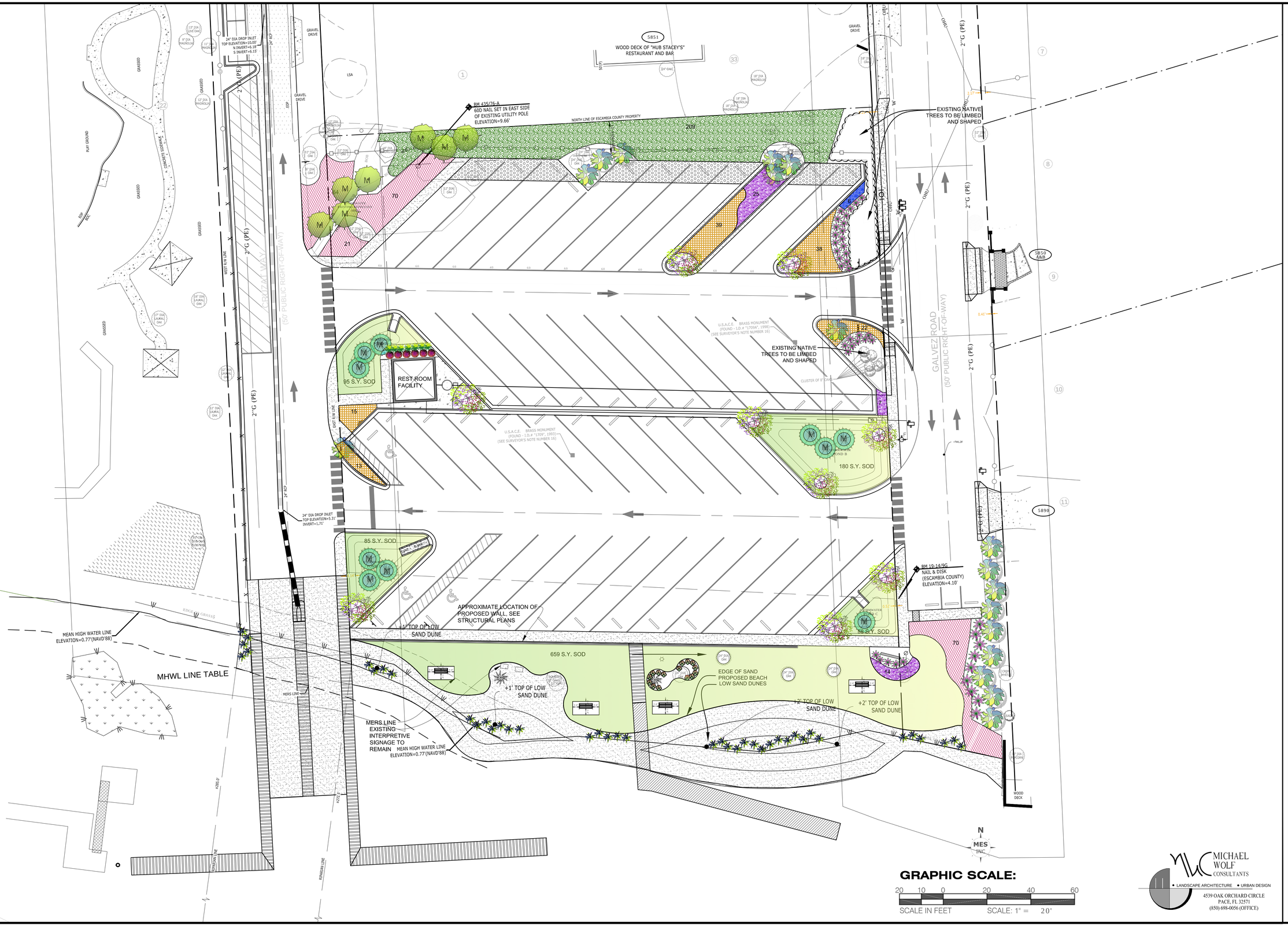

GRAPHIC SCALE:

20 10 0 20 40 60

SCALE IN FEET SCALE: 1" = 20'

MICHAEL WOLF CONSULTANTS
• LANDSCAPE ARCHITECTURE • URBAN DESIGN
4539 OAK ORCHARD CIRCLE
PACE, FL 32571
(850) 698-0056 (OFFICE)

GALVEZ LANDING BOAT RAMP SITEWORK & ROADWAY IMPROVEMENTS

PRELIM LANDSCAPE PLAN

ESCAMBIA COUNTY • FLORIDA

MUNICIPAL ENGINEERING SERVICES INC
EXCELLENCE IN ENGINEERING SERVICE
8574 Turkey Bluff Road
Navarre, Florida 32566
p: (850) 939-5736
CERTIFICATE OF AUTHORIZATION: CA-30986

DRAWN BY: MLW	DESIGNED BY: MLW	CHECKED BY: MLW	REG. FLA. ENG. NO. LA6667118
DATE: APRIL 2020	PROJECT MANAGER: MLW	DISTRICT:	DATE:
FIELD BOOK/PAGES: RBA FB 19-14/PG-115ESC CNTY FB 435, PP 68-74		SECTION/ TOWNSHIP/ RANGE 14-3S-32W	SIGNATURE: MICHAEL C. WOLF PLA

NUMBER	REVISIONS	DATE	APPROVED BY

REGISTERED LANDSCAPE ARCHITECT MICHAEL C. WOLF LA6667118 STATE OF FLORIDA

PROJECT NUMBER	170001-004
SURVEY NUMBER	RBA 2019.013/L-4903 ESC CNTY
SHEET	L1.01

PHASE	REVIEW	ORIGINATOR (RP)	PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)	DATE
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REMARK INCORPORATION	(Blue Highlighter)	DATE

LANDSCAPE GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES, ELECTRICAL WIRING, WATER, SEWER, TELEPHONE, CABLE TV, ETC., PRIOR TO PLANT MATERIAL OR IRRIGATION INSTALLATION. DAMAGED UTILITY LINES SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.

2. THE CONTRACTOR SHALL PROVIDE AN IRRIGATION/WATERING SYSTEM TO PROVIDE WATER TO PLANTS AT AN ADEQUATE RATE FOR A PERIOD OF 45 DAYS

3. THE CONTRACTOR SHALL INSTALL ONLY PLANTS GRADED FLORIDA NO. 1 OR BETTER AS SET FORTH IN THE FLORIDA DEPARTMENT OF AGRICULTURE "GRADES AND STANDARDS FOR NURSERY PLANTS" LATEST EDITION, (INCLUDING REVISIONS) AND THAT MEET OR EXCEED THE SIZES INDICATED IN THE PLANTING SCHEDULE. BALLED AND BURLAPPED PLANTS SHALL BE DUG WITH FIRM NATURAL BALLS OF EARTH. CONTAINER GROWN STOCK SHALL HAVE BEEN GROWN IN A CONTAINER LONG ENOUGH FOR THE ROOT SYSTEM TO HAVE DEVELOPED SUFFICIENTLY TO HOLD ALL THE SOIL TOGETHER FIRMLY, BUT NOT LONG ENOUGH TO HAVE BECOME POT BOUND.

4. THE CONTRACTOR SHALL INSTALL SHRUBS IN CIRCULAR PITS WITH A DIAMETER 16" GREATER THAN ROOTBALL. PLANT TREES IN CIRCULAR PITS WITH A DIAMETER 36" GREATER THAN ROOTBALL OR CONTAINER. PLACE PLANTS WITH MOST ATTRACTIVE SIDE DIRECTED AWAY FROM BUILDING OR ANY OTHER VERTICAL ELEMENT.

5. THE CONTRACTOR SHALL FERTILIZE ALL PLANT MATERIAL WITH SLOW RELEASE FERTILIZER AT THE RATE RECOMMENDED BY THE MANUFACTURER. TREES SHALL BE FERTILIZED WITH 20-5-10 (OR APPROVED EQUAL), AND SHRUBS AND GROUND COVER SHALL BE FERTILIZED WITH 14-7-14 (OR APPROVED EQUAL).

6. THE CONTRACTOR SHALL APPLY A MYCORRHIZAL INOCULANT AND 100% ORGANIC STARTER FERTILIZER TO EACH NEW TREE PLANTED AND SHRUB/GROUNDCOVER BEDS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

7. THE CONTRACTOR SHALL APPLY PRE-EMERGENT AND POST-EMERGENT HERBICIDES ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ALL PLANTING BEDS.

8. THE CONTRACTOR SHALL APPLY MULCH TO PLANTED AREAS AT A MINIMUM 3" COMPACTED THICKNESS WITH AN APPROVED ORGANIC MULCH, I.E. PINE STRAW. MULCH SHALL BE APPLIED IMMEDIATELY AFTER COMPLETION OF PLANTING OPERATIONS. LIMITS OF MULCHING SHALL BE AS SHOWN ON PLAN, OR FOR INDIVIDUAL PLANTS, THE AREA OF THE PLANTING PIT, SEE PLANTING DETAILS.

9. THE CONTRACTOR SHALL LAY SOD AND/OR INSTALL GRASS PLUGS SOLIDLY IN INDICATED AREAS WITH CLOSELY ABUTTING JOINTS, ROLL AND FERTILIZE WITH A 18-24-6 SLOW-RELEASE TURF FORMULA FERTILIZER AT THE MANUFACTURER'S RECOMMENDED RATE. PIN ALL SODDED SLOPES GREATER THAN 4:1 WITH STEEL U-PINS/SOD STAPLES.

10. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES IN THE PLANTING SCHEDULE AND INSTALL ALL PLANTS AND MATERIALS AS INDICATED ON THE PLANS. PROVIDE UNIT PRICES FOR EACH PLANT, WHICH INCLUDE ALL OTHER INCIDENTAL MATERIALS.

11. THE CONTRACTOR SHALL NOTIFY THE OWNER AND LANDSCAPE ARCHITECT OF ANY UNFORESEEN CONDITIONS I.E., COMPACTED SOIL / SUBGRADE, POOR DRAINAGE, UNCONSOLIDATED SOIL, EROSION, UTILITY CONFLICTS, EXCESSIVE SUN OR SHADE, ETC., PRIOR TO PROCEEDING WITH LANDSCAPE INSTALLATION.

12. THE CONTRACTOR SHALL GUARANTEE ALL PLANTS FOR ONE YEAR.

13. ALL PLANTS, MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER.

14. THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS OR REVISIONS WITHOUT OWNER/LANDSCAPE ARCHITECT APPROVAL.

15. THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS INCLUDING WATERING, MOWING, MULCHING, WEED, PEST CONTROL, ETC. UNTIL FINAL APPROVAL BY THE OWNER/LANDSCAPE ARCHITECT.

16. THE CONTRACTOR SHALL KEEP ALL AREAS OF WORK CLEAN, NEAT AND ORDERLY. ALL PAVED SURFACES ARE TO BE CLEANED OF SOIL AND DEBRIS AT THE CLOSE OF THE WORK DAY.

17. EACH TREE AND SHRUB SHALL BE PRUNED AS NEEDED TO REMOVE ALL DEAD WOOD, SUCKERS, OR BROKEN/DAMAGED BRANCHES. ALL PRUNING SHALL BE IN ACCORDANCE WITH ACCEPTED INDUSTRY PRACTICE AND SHALL PRESERVE THE NATURAL HABIT AND CHARACTER OF THE PLANT.

18. PLANTS WITH BROKEN ROOT BALLS OR SUBSTANTIAL DAMAGE TO ANY PART SHALL BE REPLACED PRIOR TO PLANTING.

19. PLANTS SHALL BE HANDLED BY THE ROOT BALL, NEVER BY THE STEM OR FOLIAGE. BALLED PLANTS SHALL NOT BE DROPPED.

20. ALL PLANT MATERIAL SHALL BE GUARANTEED BY THE CONTRACTOR TO BE IN FLOURISHING CONDITION OF ACTIVE GROWTH DURING INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MONITOR THE PROJECT DURING THE INSTALLATION PERIOD AND INFORM THE OWNER IF PROBLEMS DEVELOP WITH THE PLANT MATERIAL. ANY MATERIAL SHALL BE CONSIDERED DEAD WHEN THE MAIN LEADER HAS DIED. THE CONTRACTOR SHALL REMOVE DEAD AND UNHEALTHY PLANTS IMMEDIATELY AND REPLACE AT THE CONTRACTORS EXPENSE.

21. CONTRACTOR SHALL PROVIDE IRRIGATION SYSTEM THAT WILL PROVIDE 100% COVERAGE OF ALL LANDSCAPED AREAS. COORDINATE WITH OWNER AREAS TO BE IRRIGATED. COORDINATE WITH GENERAL CONTRACTOR FOR PIPING/SLEEVES REQUIRED UNDER PAVED SURFACES.

22. SIGHT TRIANGLE AREAS AT INTERSECTIONS/DRIVEWAYS SHALL BE MAINTAINED TO ALLOW VISIBILITY BETWEEN THREE FEET AND NINE FEET ABOVE GRADE.

23. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT EXISTING TREES TO REMAIN AS PER ESCAMBIA COUNTY TREE PROTECTION DETAILS/METHODS

24. PLANT MATERIAL SHALL MEET OR EXCEED REQUIREMENTS AS STATED IN THE ESCAMBIA A COUNTY LDC. LINE OF SITE FOR VEHICLES AND PEDESTRIANS WITHIN CONSTRUCTION LIMITS SHALL BE MAINTAINTED AS PER ESCAMBIA COUNTY LDC.

PLANTING NOTES:

1. PLANT CONTAINERS SHALL BE REMOVED PRIOR TO PLANTING. IF PLANTS ARE NOT CONTAINER GROWN, REMOVE A MINIMUM OF THE TOP 1/3 OF BURLAP, FABRIC OR WIRE MESH.

2. ROOTBALLS SHALL BE SET 1"-2" ABOVE FINISHED GRADE AND SET PLUMB TO THE HORIZON.

3. BACKFILL SHALL BE LOOSENED EXISTING SOIL. REMOVE ROCKS, STICKS OR OTHER DELETERIOUS MATERIAL GREATER THAN 1" IN ANY DIRECTION PRIOR TO BACKFILLING. WATER AND TAMP TO REMOVE AIR POCKETS. IF EXISTING SOILS CONTAIN EXCESSIVE SAND, CLAY OR OTHER EXTRANEOUS MATERIAL NOT CONDUCIVE TO PROPER PLANT GROWTH CONTACT LANDSCAPE ARCHITECT PRIOR TO PLANTING.

4. SOIL RINGS SHALL BE CONSTRUCTED OF EXISTING SOIL AT THE OUTER EDGE OF THE TREE PLANTING PIT WITH A

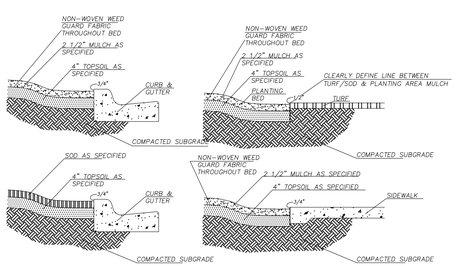
5. MULCH SHALL BE A 3" DEEP LAYER PLACED TO THE EDGE OF THE TRUNK FLARE.

6. STRAPPING SHALL BE MINIMUM 1" WIDE NYLON OR POLYPROPYLENE. GUYING MATERIAL IN CONTACT WITH TREE SHALL BE SOFT, PLIABLE, FLEXIBLE RUBBER.

7. SABAL PALMS (IF ANY) MAY BE HURRICANE CUT. ALL OTHERS MUST HAVE FRONDS TIED WITH BIODEGRADABLE STRAP. TRUNKS SHALL HAVE NO SCARS OR SANDING.

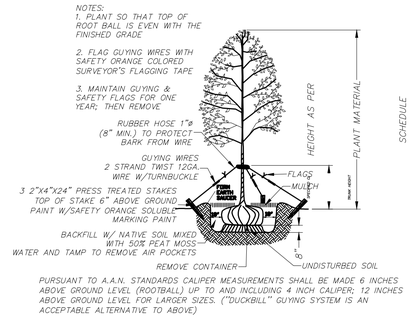
8. ALL DIMENSIONS PROVIDED FOR WOODEN (WOOD STAKES INCLUSIVE) MATERIALS ARE NOMINAL.

9. ALL AREAS OF THE SITE THAT DO NOT CONTAIN GRASS OR LANDSCAPING PRIOR TO, OR AFTER CONSTRUCTION SHALL BE DISCED, SEEDED AND MULCHED OR SODDED. THE CONTRACTOR SHALL ENSURE THAT THE ENTIRE SITE IS STABILIZED AND THAT ANY ERODED AREAS, ANYWHERE ON SITE, ARE REMEDIED.



TYPICAL EDGE CONDITIONS

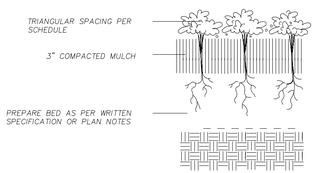
N.T.S.



TREE PLANTING / GUYING DETAIL

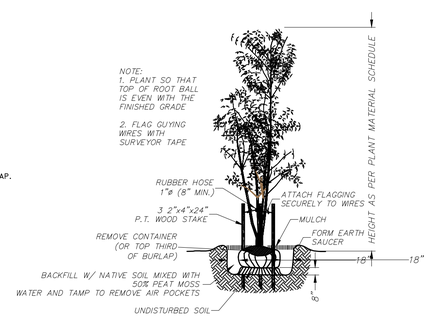
(FOR TREES 2" CALIPER OR GREATER)

N.T.S.



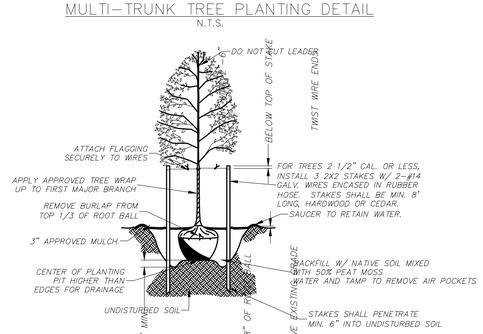
GROUNDCOVER PLANTING DETAIL

N.T.S.



MULTI-TRUNK TREE PLANTING DETAIL

N.T.S.



MEDIUM CANOPY OR FLOWERING TREE

(FOR TREES 9' IN HEIGHT OR LESS)

NTS

6' LENGTH OUTDOOR METAL BENCH DETAIL

N.T.S.

MANUFACTURER: TEXAS CORRECTIONAL INDUSTRIES
PHONE: 936-437-6048
TOLL FREE 800-833-4302
6FT. CIRCLE COMMODITY CODE 650-06-36200-1
WEBSITE: https://tci.tdcj.texas.gov/products/metal/park/circleendparkbench.aspx

METAL BENCH NOTES:
-BENCH TO BE FASTED TO 6'X12' CONCRETE SLAB, 4" DEPTH. (SEE SIDEWALK DETAIL, CIVIL DRAWINGS).
-BENCH TO BE FASTENED TO CONCRETE AS PER MANUFACTURER'S SPECIFICATIONS
APPROVED EQUALS WILL BE CONSIDERED. SUBMIT SPECIFICATION'S FOR EQUALS TO OWNER FOR APPROVAL.

ABBREVIATIONS: A.S. – AS SHOWN, B&B – BALLED AND BURLAPPED, CAL – CALIPER, C.G.S. – CONTAINER GROWN STOCK, D.S.R. – DOUBLE-STAGGERED ROW, HT – HEIGHT, L.A.– LANDSCAPE ARCHITECT, O.C. – ON-CENTER, SPRD – SPREAD

SYMBOL	QUANTITY	SCIENTIFIC NOMENCLATURE	COMMON NAME	SPACING & SIZE
TREES				
M	7	PINUS PALUSTRIS	LONGLEAF PINE	12'-14' HT. WELL SHAPED, 2.5" DBH (SINGLE STEM)
	15	VITEX AGNUS-CASTUS	CHASTE TREE	5' HT. 42" SPR. WELL SHAPED, 15 GAL.
	10	QUERCUS VIRGINIANA 'SEEDLING'	SEEDLING LIVE OAK	2.5" CAL, WELL SHAPED LIMB TO 6' ABOVE GRADE
M	10	TAXODIUM DISTICHUM	BALD CYPRESS	12'-14' HT. 2.5" DBH. WELL SHAPED, (SINGLE STEM)
SHRUBS & GROUNDCOVERS				
	15	MYRICA PUSILLA	DWARF WAX MYRTLE	18" HT, 12" SPREAD, FULL. CONTAINER GROWN. SHRUB, 3 GAL.
	6	PITTOSPORUM TOBIRA 'VARIEGATA'	DWARF VARIGATED PITTOSPORUM	18" HT, 12" SPREAD, FULL. CONTAINER GROWN. SHRUB, 3 GAL.
	7	ZAMIA PUMILA	COONTIE PALM	18" HT, 18" SPREAD, FULL. CONTAINER GROWN. SHRUB, 3 GAL.
	41	UNIOLA PANICULATA	SEA OATS	24" HT, 12" SPREAD, FULL. 1 GAL. CONT. WELL SHAPED.
	42	SERENOA REPENS 'SILVER SAW'	SILVER SAW PALMETTO	18" HT, 18" SPREAD, FULL. CONTAINER GROWN. SHRUB, 3 GAL.
	6	JUNIPERUS HORIZONTALIS 'WILTONII'	BLUE RUG JUNIPER	GROUNDCOVER, 1 GAL 3' O.C.. WELL SHAPED
	209	TRIPSACUM FLORIDANUM	DWARF FAKAHATCHEE GRASS	12" HT, 12" SPREAD, FULL. CONTAINER GROWN. GRASS, 1 GAL. 48" O.C. WELL SHAPED
	46	MUHLENBERGIA CAPILLARIS	MUHLY GRASS	12" HT, 12" SPREAD, FULL. CONTAINER GROWN. GRASS, 1 GAL. 36" O.C.
	127	HELIANTHUS DEBILIS	BEACH DUNE SUNFLOWER	12" HT, 12" SPREAD, FULL. CONTAINER GROWN. SHRUB, 1 GAL. 36" O.C.
	232	SPARTINA BAKERII	SAND CORDGRASS	12" HT, 12" SPREAD, FULL. CONTAINER GROWN. GRASS, 1 GAL. 36" O.C.
	1,077 S.Y.	ARGENTINE BAHIA SOD		
	525 BALES	PINE STAW MULCH		
	200 C.Y.	CLEAN WHITE BEACH SAND, 6" DEPTH WHERE LOW DUNES NOT SHOWN		
	15,750 S.F.	INSTALL 6 OZ. NON-WOVEN FABRIC UNDER ALL INSTALLED PLANTING, STAPLE SEAMS USING 6" GALVANIZED PINS 12" O.C.		
	1 LS	LIMB AND SHAPE EXISTING NATIVE VEGETATION WHERE SHOWN. CLEAR UNDERSTORY OF WEEDS AND DEBRIS AND INSTALL 3" OF PINE STRAW MULCH. ESCAMBA COUNTY ARBORIST TO BE PRESENT ON SITE WHILE WORK IS BEING PREFORMED.		
BID ALTERNATE #1	175 C.Y.	TOPSOIL SHALL BE FREE FROM WEED SEEDS AND DEBRIS. SAMPLE SHALL BE SUBMITTED FOR APPROVAL		

(41" DBH REQUIRED FOR MITIGATION 42.4" DBH PROVIDED)

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GALVEZ LANDING BOAT RAMP SITEWORK & ROADWAY IMPROVEMENTS

PRELIM LANDSCAPE DETAILS

EXCELLENCE IN ENGINEERING SERVICE
MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road
Navarre, Florida 32566
p: (850) 939-5132
CERTIFICATE OF AUTHORIZATION: CA-30886

DRAWN BY: MCW	DESIGNED BY: MCW
CHECKED BY: MCW	PROJECT MANAGER: MCW
DATE: APRIL 2020	DISTRICT: 1
FIELD BOOK PAGES:	SECTION/ TOWNSHIP/ RANGE 14-3S-32W
REG. ELA. ENG. NO. LA6667118	DATE:
SIGNATURE:	MICHAEL C. WOLF PLA

NUMBER	REVISIONS	DATE	APPROV. BY

REGISTERED LANDSCAPE ARCHITECT MICHAEL C. WOLF LA6667118 STATE OF FLORIDA

PROJECT NUMBER	170001-004
SURVEY NUMBER	RBA ESC CNTY 2019.013/L-4903
SHEET	L1.02

GRAPHIC SCALE:

20 10 0 20 40 60

SCALE IN FEET SCALE: 1" = 20'

PHASE REVIEW			
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GALVEZ LANDING BOAT RAMP SITEWORK & ROADWAY IMPROVEMENTS

PRELIM IRRIGATION PLAN

ESCAMBIA COUNTY • FLORIDA

MUNICIPAL ENGINEERING SERVICES INC
EXCELLENCE IN ENGINEERING SERVICE
8574 Turkey Bluff Road
Navarre, Florida 32566
p: (850) 938-5732
CERTIFICATE OF AUTHORIZATION: CA-30986

DRAWN BY: MCW
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PROJECT MANAGER: MCW
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REGISTERED LANDSCAPE ARCHITECT MICHAEL C. WOLF LA6667118 STATE OF FLORIDA

MICHAEL WOLF CONSULTANTS
• LANDSCAPE ARCHITECTURE • URBAN DESIGN
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(850) 698-0056 (OFFICE)

PROJECT NUMBER	170001-004
SURVEY NUMBER	RBA ESC CNTY 2019.013/L-4903
SHEET	IR1.01

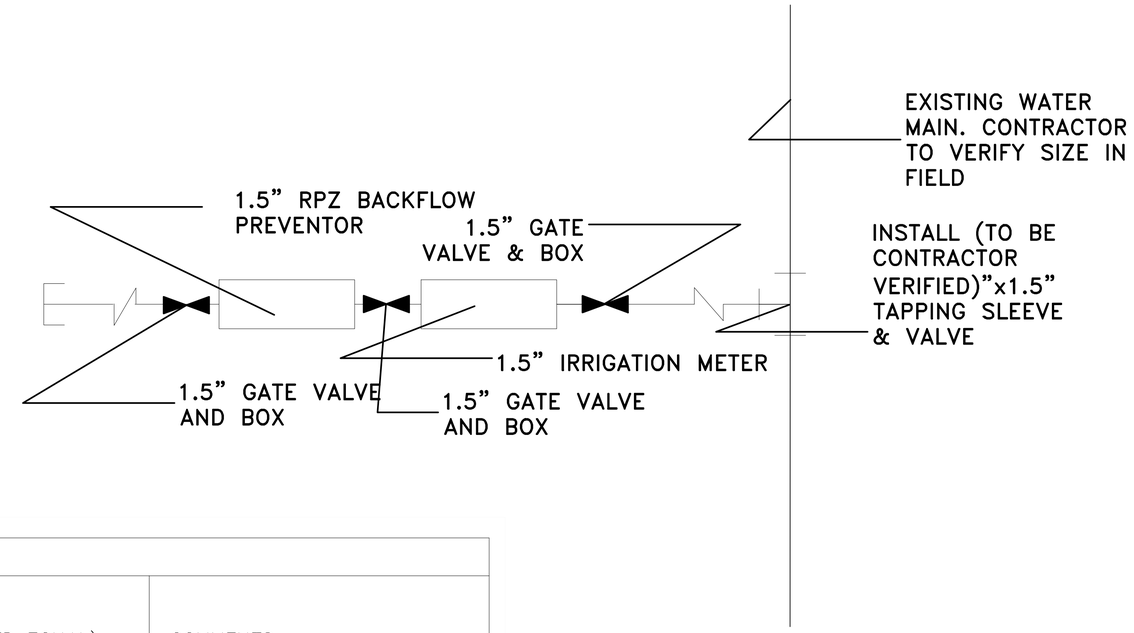
GENERAL IRRIGATION NOTES:

1. VERIFY ALL CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS AT THE SITE PRIOR TO COMMENCEMENT OF WORK UNDER THIS CONTRACT.
2. ALL IRRIGATION INSTALLATION SHALL CONFORM TO LOCAL BUILDING AND PLUMBING CODES.
3. ADJUST SPRINKLER'S ARC AND RADIUS TO ENSURE 100% COVERAGE.
4. BURY ALL MAINS AT A MINIMUM DEPTH OF 24 INCHES BELOW GRADE.
5. BURY ALL LATERALS AT A MINIMUM DEPTH OF 18 INCHES BELOW GRADE.
6. VALVES, CONTROLER AND OTHER ELECTRICAL COMPONENTS SHALL BE GROUNDED AS PER MANUFACTURER SPECIFICATIONS
7. COORDINATE THE LOCATION OF THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE. ELECTRIC SERVICE (110 VOLT AC) SHALL BE PROVIDED BY THE GENERAL CONTRACTOR
8. IRRIGATION WELL AND PUMP SHALL BE INSTALLED AS PER NWFWMD STANDARDS CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITTING
9. PROVIDE COMPLETE TYPEWRITTEN INSTRUCTIONS FOR IRRIGATION OPERATION AND MAINTENANCE.
10. ALL POP UP SPRINKER HEADS ALONG ROADS OR DRIVES WITHOUT CURBS SHALL BE POSITIONED 1' FROM THE BACK OF CURB.
11. EXPOSURE TO FREEZING CONDITIONS WILL RESULT IN THE IMPROPER FUNCTIONING OF THE BACKFLOW PREVENTION DEVICE. THE IRRIGATION RPA BACKFLOW PREVENTION DEVICE SHALL BE PROTECTED WITH A INSULATED "LOCK BOX" ENCLOSURE OR APPROVED EQUAL. INSTALL AS PER MANUFACTURER'S RECOMMENDATION. COLOR SHALL BE DARK GREEN.

GENERAL NOTES CONTINUED

– UPON AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SPECIFICATIONS DEPICTING EXISTING APPURTENANCES TO REMAIN AND PROPOSED IRRIGATION NEEDED TO ENSURE 100% COVERAGE OF PLANTED AREAS WITHIN THE PROJECT LIMITS. ZONES SHALL BE RESPECTIVE TO THE PROPOSED PLANT MATERIAL TO BE INSTALLED.
– ALL PROPOSED TREES SHALL BE ZONED ON BUBBLERS AS PER DETAIL SHOWN ON THIS SHEET.
– ALL IRRIGATION PIPE TO BE PVC CLASS 200 SDR 21 OR BETTER
– THE CONTRACTOR SHALL ZONE TURF, SHRUBS, GROUNDCOVER AND TREES INDIVIDUALLY.
–VALVES SHOWN ON PLANS MAY BE RELOCATED TO ACCOMODATE FIELD CONDITIONS
– IRRIGATION SCHEDULE IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. DESIGNER IS NOT RESPONSIBLE FOR THE ACCURACY OF MATERIALS REPRESENTED. CONTRACTOR SHALL PERFORM THEIR OWN TAKE OFF BASED ON PLAN DOCUMENTS.
– ELEMENT LOCATION ON DRAWINGS ARE SCHEMATIC SHOWING DESIGN INTENT.
ENSURE 100% IRRIGATION COVERAGE AND LOCATE ALL PIPE IN BEDS.
– PLAN DOCUMENT DOES NOT SHOW PIPE JUMPS WHERE MAINLINE AND LATERAL
PIPING CROSS. IT SHALL BE UNDERSTOOD THAT THIS PIPING SHALL BE SEPARATE.
–EACH VALVE SHALL BE IN A SEPARATE VALVE BOX. VALVES SHOWN GRAPHICALLY IN A SIMILAR LOCATION SHALL BE GROUPED TOGETHER NO CLOSER THAN 2' AND NO FARTHER THAN 4'.

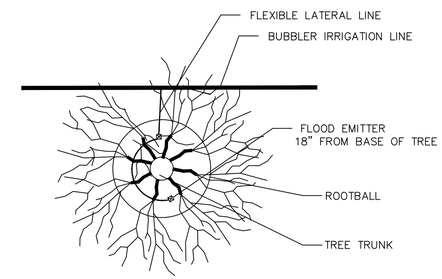
Irrigation well should be on County property or ROW .



IRRIGATION LEGEND

SYMBOL	QUANTITY	MODEL NUMBER SPECIFICATION (RAINBIRD OF APPROVED EQUAL)	COMMENTS
D	38	Rain Bird 1803–1400 Flood	ALL MEDIUM AND LARGE TREES TO HAVE 2 TREE BUBBLES EACH TYP
5	25	Rain Bird 1812–SAM–PRS–U 15 Strip Series	
8	100	Rain Bird 1812–SAM–PRS–U U8 Series	
30	25	Rain Bird 5012–PC, FC–SAM–R	ADJUST SPRAY RADIUS AS NEEDED TO AVOID OVERSPRAY
	7	Rain Bird PESB–PRS–D VALVE	INSTALL VALVE IN RAINBIRD VB SERIES BOX INSTALL 3" #57 CRUSHED STONE IN BOTTOM OF BOX TOP COVER OF VALVE BOX TO READ "VALVE BOX" VALVE SIZE TO MATCH PIPE SIZE
	700 L.F.	2" MAIN IRRIGATION LINE WITH TRACER WIRE AND VALVE WIRE VALVE SIZE TO MATCH PIPE SIZE	MIN WORKING PRESSURE 100 PSI PROVIDE 24" COVER OVER PIPE MIN
NOT SHOWN	AS NEEDED PER PLAN	3/4" LATERAL IRRIGATION LINE VALVE SIZE TO MATCH PIPE SIZE	
	180 L.F.	4" PVC SLEEVE PIPE PROVIDE 36" COVER OVER PIPE WHERE SUBJECTED TO VEHICULAR TRAFFIC PROVIDE 24" COVER OVER PIPE WHERE NOT SUBJECTED TO VEHICULAR TRAFFIC	
AR	3	2" VALMATIC AIR RELEASE VALVE	INSTALL AT HIGH POINTS IN LINE VALVE SIZE TO MATCH PIPE SIZE WITH RAINBIRD VB SERIES BOX
IV	5	2" HOMEWERKS OR LEGEND ISOLATION BALL VALVE	WITH RAINBIRD VB SERIES BOX
C	1	Rain Bird ESP–LXD COMMERCIAL IRRIGATION CONTROLLER OUTDOOR–RATED, PLASTIC LOCKING WALL/POST–MOUNTABLE CASE.	
IRR METER	1	2" IRRIGATION METER TO BE INSTALLED BY ECUA. PRICE TO BE INCLUDED IN CONTRACTOR'S BID.	

NOTE– APPROVED EQUALS TO ABOVE SPECIFIED MATERIALS WILL BE CONSIDERED.
– ADJUST NOZZLES AS NEEDED TO PREVENT OVERSPRAY
– INSTALL Hunter ICD 100 Decoder AT EACH ZONE VALVE AT DESCRETION OF OWNER AND LANDSCAPE ARCHITECT.
– CONTRACTOR SHALL VERIFY ALL QUANTITIES LISTED



BUBBLER TREE DETAIL
N.T.S.

MICHAEL WOLF CONSULTANTS
LANDSCAPE ARCHITECTURE • URBAN DESIGN
4539 OAK ORCHARD CIRCLE
PACE, FL 32571
(850) 698-0056 (OFFICE)

GALVEZ LANDING BOAT RAMP SITEWORK & ROADWAY IMPROVEMENTS

PRELIM IRRIGATION DETAILS

ESCAMBIA COUNTY • FLORIDA

MUNICIPAL ENGINEERING SERVICES INC
EXCELLENCE IN ENGINEERING SERVICE
8574 Turkey Bluff Road
Navarre, Florida 32566
p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30986

DRAWN BY:	DESIGNED BY:	CHECKED BY:	REG. FLA. ENG. NO.	DATE:
MLW	MLW	MLW	LA6667118	
DATE: APRIL 2020	PROJECT MANAGER: MLW	INSPECT:	SIGNATURE:	
LEED FOOD: FOGGS: RBA FB 19-LPP-11FSC CNTY TB 83, PP 68-74	SECTION TOWNSHIP RANGE 14-3S-32W		MICHAEL C. WOLF, P.L.A.	

NUMBER	REVISIONS	DATE	APPROVAL BY

REGISTERED LANDSCAPE ARCHITECT MICHAEL C. WOLF LA6667118 STATE OF FLORIDA

PROJECT NUMBER 170001-004
SURVEY NUMBER RBA 2019.013/L-4903 ESC CNTY
SHEET IR1.02

PHASE REVIEW
SIGNATURE:

ORIGINATOR (RP)	DATE	VERIFICATION, CHECKER (QR)	(Blue Highlighter)	DATE
PRODUCTION CHECKING COMPLETE, READY FOR SUBMITTAL REVIEW (RP)		REMARK INCORPORATION	(Blue Highlighter)	DATE
CHECKER (RP)		ORIGINATOR VERIFICATION	Correct (Pink Highlighter)	DATE
ORIGINATOR (QR)	Correct (Green Highlighter) Change			
(Red Pen X-Out to Disagree or Remark)				
CHANGE INCORPORATION	(Yellow Highlighter)			