#### **NOTES**

- GENERAL SITE CONSTRUCTION NOTES:

  1. THE PURPOSE OF THIS PROJECT IS ECOLOGICAL ENHANCEMENT. THE CONTRACTORS WORKING ON THIS SITE SHALL TAKE GREAT CARE IN AVOIDING UNNECESSARY IMPACTS TO WETLANDS, VEGETATION, AND ANIMALS.
- 2. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK, ALL CONTRACTORS ARE DIRECTED PRIOR TO BIDDING TO CONDUCT INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT MAY BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
- 3. THE CONTRACTOR SHALL OBTAIN AND/OR VERIFY EXISTENCE OF ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS NOT FURNISHED BY THE OWNER.
- 4. PRIOR TO THE START OF CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY "SUNSHINE STATE ONE CALL (1-800-432-4770)", MANATEE COUNTY PUBLIC WORKS DEPARTMENT, FLORIDA POWER & LIGHT, VERIZON AND ANY OTHER UTILITIES (ELECTRIC, PHONE, GAS, CABLE, ETC.). IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE.
- 5. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS
- 6. IF HUMAN REMAINS OR ARCHEOLOGICAL ARTIFACTS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR MUST STOP WORK IMMEDIATELY AND PROMPTLY NOTIFY THE COUNTY PROJECT MANAGER AND FLORIDA DEPARTMENT OF STATE DIVISION OF HISTORICAL RESOURCES.
- 7. THE CONTRACTOR SHALL NOT ENTER UPON, OR ALTER THE WETLAND PRESERVE AREAS THAT MAY BE ONSITE OR DIRECTLY ADJACENT TO THE PROJECT AREA. ALL WORK PERFORMED IN THE VICINITY OF OPEN WATER, WETLANDS, AND WETLAND HABITAT RESTORATIONS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINE RESULTING FROM VIOLATION OF PERMIT CONDITIONS.
- 8. <u>ELEVATIONS SHOWN HEREON ARE RELATIVE TO NATIONAL GEODETIC VERTICAL DATUM 1929</u> BASED ON MANATEE COUNTY BENCHMARK #48-29-12 (A CHISEL "X" CUT AT THE FACE OF SIDEWALK, 45' NORTH OF THE CENTERLINE OF 9TH AVENUE NW AND 160' WEST OF THE CENTERLINE OF 92ND STREET NW) WITH A PUBLISHED ELEVATION OF 6.128'.
- 9. THE CONTRACTOR SHALL CLEAR AND GRUB TO REMOVE STUMPS, ROOTS, TREES, VEGETATION AND OBSTRUCTIONS TO THE WORK IN ALL AREAS DESIGNATED FOR SITE GRADING. ALL STUMPS, ROOTS, AND OTHER DEBRIS SHALL BE REMOVED FROM WITHIN THE CONSTRUCTION AREAS TO A DEPTH OF AT LEAST 1 FOOT BELOW THE PROPOSED GRADE.
- 10. ALL CLEARING, GRUBBING AND EXCAVATED MATERIAL WILL BE BURNED OR REMOVED FROM SITE AS DIRECTED BY PROJECT MANAGER.
- 11. ALL CONSTRUCTION DEBRIS WILL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
- 12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALCULATE AND VERIFY ALL CUT AND FILL QUANTITIES OF EARTHWORK FOR THE PROJECT. A BULKING/COMPACTION FACTOR SHOULD BE TAKEN INTO ACCOUNT WHEN FIGURING VOLUMES OF FILL PLACEMENT.
- 13. IMMEDIATELY BEFORE REQUESTING FINAL INSPECTIONS, THE CONTRACTOR SHALL CHECK ALL LINES AND DRESS TO THE PROPER GRADES/CONTOURS. ALL AREAS ARE TO BE STABILIZED AND MAINTAINED UNTIL ACCEPTANCE. WHEN UPLAND AND WETLAND PLANTING AREAS ARE INDICATED ON DRAWINGS OR SPECIFIED, THE CONTRACTOR SHALL MAKE ALLOWANCES WHEN ROUGH GRADING FOR THE FINISHED GRADES IN THESE
- 14. POST GRADING SOIL CONDITIONS SHALL BE APPROPRIATE FOR PLANTING WITH LIMITED COMPACTION AS DETERMINED BY PROJECT ECOLOGIST.
- 15. ANY DISTURBED AREAS ABOVE MEAN HIGH WATER, NOT HARDSCAPED OR LANDSCAPED, WILL BE SEEDED/MULCHED, HYDROSEEDED, SODDED OR PLANTED WITH MATERIALS AS SPECIFIED.
- 16. EXISTING WELL HEADS TO BE PROTECTED & MARKED WITH ORANGE SAFETY FENCE (PLASTIC "SNOW FENCE") OR PROPERLY PLUGGED AND ABANDONED.
- 17. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE NPDES STORMWATER PERMITTING FOR CONSTRUCTION ACTIVITIES FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR THE APPLICABLE PERMITTING APPLICATION AND SUPPORTING DOCUMENTATION.
- 18. IF IT IS NECESSARY FOR GROUNDWATER DEWATERING TO DISCHARGE OFFSITE, THEN THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR OBTAINING AND/OR MODIFYING ALL APPLICABLE PERMITTING FOR DEPARTMENT OF GROUNDWATER DEWATERING AND FOR COMPLYING WITH
- 19. UPON COMPLETION OF CONSTRUCTION, GRASSED AREAS ARE TO BE MAINTAINED TO AVOID BARE EARTH CONDITIONS WHICH INCREASE THE POTENTIAL FOR EROSION.
- 20. PROPOSED TRAILS TO BE STAKED PRIOR TO INSTALLATION. TRAIL ALIGNMENT WILL BE FIELD REVIEWED BY COUNTY STAFF OR PROJECT ECOLOGIST. TRAIL ALIGNMENT MAY BE REVISED AND FIELD STAKED BY OR UNDER THE SUPERVISION OF COUNTY STAFF OR PROJECT ECOLOGIST WHERE IMPACTS TO ECOLOGICAL RESOURCES (E.G., TREES, ROOTS, OR DESIRABLE VEGETATION) MAY BE AVOIDED.
- 21. CERTAIN TREES ARE DESIGNATED BY THE OWNER TO BE SAVED AND PROTECTED BY THE CONTRACTOR. IT IS ASSUMED THESE TREES ARE HEALTHY AND ARE EXPECTED TO BE PART OF THE LANDSCAPE DEVELOPMENT. THEREFORE, IF ANY TREE(S) ARE DAMAGED BY CONSTRUCTION OPERATIONS OR BY OTHER MEANS (EXCLUDING LIGHTNING, WINDSTORM AND OTHER ACTS OF GOD) AND PERISHES WITHIN THE CONSTRUCTION PERIOD, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND DISPOSE OF THOSE TREES. MANATEE COUNTY NRD APPROVAL IS REQUIRED PRIOR TO REMOVAL OF ANY TREES DESIGNATED TO REMAIN. NO ADDITIONAL COMPENSATION SHALL BE MADE BY THE OWNER FOR THE LABOR, MATERIAL, OR MACHINERY REQUIRED TO REMOVE SAID TREE(S).
- 22. WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES, THE CONTRACTOR SHALL USE EXTREME CARE IN NOT DAMAGING THE ROOT SYSTEM. NO EQUIPMENT, SUPPLIES, OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL OF HIS EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME
- 23. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, PRESERVE AREAS WITHIN AND ADJOINING THE AREA OF CONSTRUCTION ACTIVITY SHALL BE PROTECTED BY ERECTION OF TREE PROTECTION BARRICADES AND/OR SILT BARRIERS. TREE PROTECTION BARRICADES SHALL MEET THE STANDARDS OF MANATEE COUNTY LAND DEVELOPMENT CODE. SILT BARRIERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES DETAIL DRAWING. THE ENGINEER SHALL DETERMINE THE EXTENT AND TYPE OF PROTECTIVE MEASURES TO BE CONSTRUCTED FOR THE PROTECTION OF PRESERVE AREAS SUBJECT TO THE APPROVAL OF SWFWMD & MANATEE COUNTY NRD THE CONTRACTOR SHALL NOTIFY THE ENGINEER & MANATEE COUNTY NRD WHEN PRESERVE AREA BARRICADES AND BARRIERS ARE IN PLACE. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY REQUIRED TREE REMOVAL PERMIT FROM MANATEE COUNTY.
- 24. ESTUARINE WETLAND SHORELINES WILL BE PLANTED BY OTHERS WITH MARSH CORDGRASS (SPARTINA ALTERNIFLORA)
- 25. TRAIL SURFACING, SIDEWALKS OR ANY OTHER RECREATIONAL IMPROVEMENTS SHOWN ON THE PLANS WILL NOT BE FUNDED BY NOAA OR OTHER AGENCY THAT REQUIRES FUNDING BE DEDICATED TO NON-REVREATIONS AMENITIES.
- 26. CONSTRUCTION REQUIREMENTS FOR BALD EAGLE NESTING: NO CONSTRUCTION CLEARING OR CONSTRUCTION ACTIVITIES WILL BE PERFORMED WITHIN A 330 RADIUS OF THE IDENTIFIED BALD EAGLE NESTING TREE. CONSTRUCTION ACTIVITIES WILL FOLLOW THE US FISH AND WILDLIFE SERVICE'S (FWS) NATIONAL BALD EAGLE MANAGEMENT GUIDELINES (2007) FOR ACTIVITIES CONDUCTED WITHIN 330'-660 OF THE IDENTIFIED NEST TREE. SPECIFICALLY, IF ACTIVITIES ARE NOT VISIBLE FROM THE NEST:
- MAINTAIN A 330 BUFFER BETWEEN ACTIVITIES AND NEST TREE (OR IF SIMILAR EXISTING ACTIVITIES ARE CLOSER THAN 330', THEN MAINTAIN A BUFFER AT LEAST AS FAR FROM THE NEST AS THE EXISTING TO ERATED ACTIVITY)
- RESTRICT CLEARING, EXTERNAL CONSTRUCTION OR LANDSCAPING ACTIVITIES WITHIN 660'OF THE NEST TREE TO OUTSIDE OF THE NESTING SEASON (OCT 1— MAY 15).
   MAINTAIN ESTABLISHED LANDSCAPE BUFFERS THAT SCREEN THE NEST FROM THE ACTIVITIES.
- IF CONSTRUCTION ACTIVITIES WITHIN 330— 660 OF THE NEST DURING NESTING CAN NOT BE AVOIDED, THE CONTRACTOR SHALL IMPLEMENT NEST MONITORING PER THE FWS BALD EAGLE MONITORING GUIDELINES. THE GUIDELINES CAN BE FOUND HERE:
- GUIDELINES CAN BE FOUND HERE:

  HTTPS://www.fws.gov/northflorida/baldeagles/documents/2007--be--monitoring-guidelines--without

  -figures.htm

CONSTRUCTION PLANS FOR

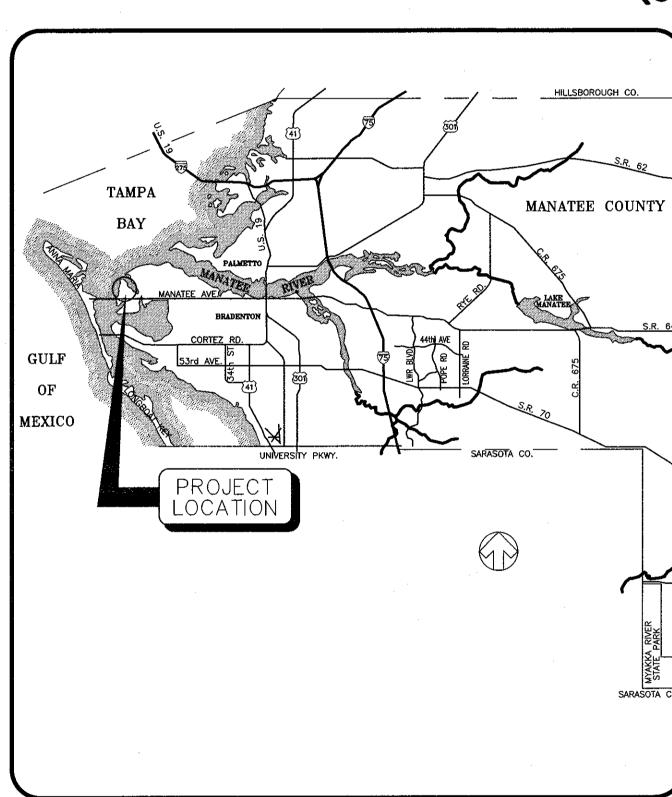
# ROBINSON PRESERVE EXPANSION PHASE IIB RESTORATION

PART OF SECTIONS 23 AND 26, TOWNSHIP 34 SOUTH, RANGE 16 EAST, MANATEE COUNTY, FLORIDA

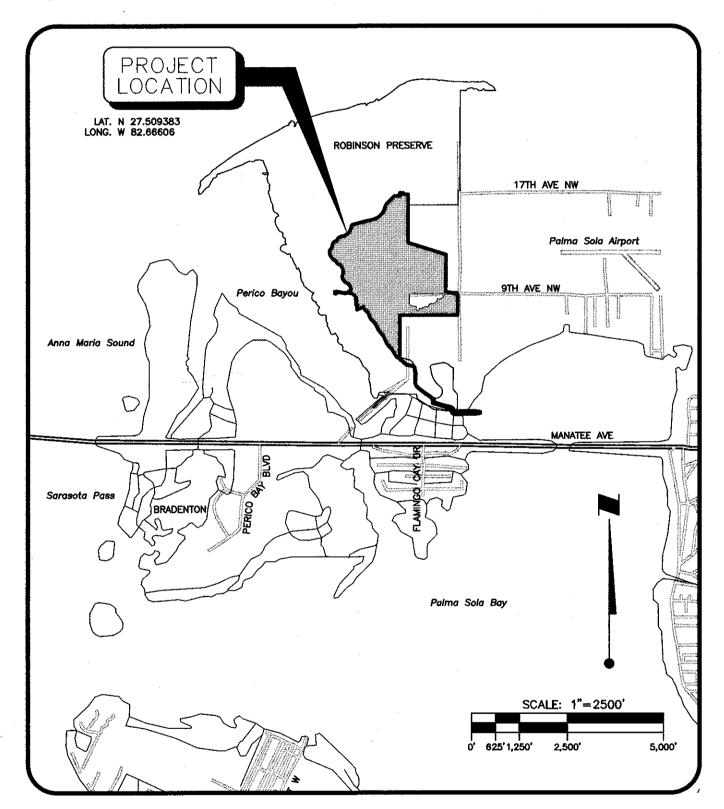
CLIENT:

## BOARD OF COUNTY COMMISSIONERS, MANATEE COUNTY, FL

1112 MANATEE AVENUE WEST BRADENTON, FL 34205 (941) 748-4501



LOCATION MAP



SITE MAP

### INDEX TO SHEETS

SHEET NO.	DESCRIPTION				
1	COVER SHEET				
2	EXISTING CONDITIONS (PHASE II) SITE PLAN				
3	SITE GRADING AND DRAINAGE PLAN KEY SHEET				
4-11	SITE GRADING AND DRAINAGE PLAN				
12-15	12-15 GRADING CROSS SECTIONS				
16–17	7 CONSTRUCTION DETAILS				
18	BEST MANAGEMENT PRACTICE PLAN				
19	19 BEST MANAGEMENT PRACTICE DETAILS				
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<u>A</u> 1	10/10/19 DATE	FOR BALD EAG DESCRIPTION		KG./101511 BY	
STATUS : REVISIONS					
ENGINEERING TECH			PROJECT ECOLOGIST PROJECT MAI RYAN HORSTMAN R. QUINCE SEL FLORIDA LICENSE NO	LERS, P.E.	
DATE CHECKED BY					
RESERVED FOR STATUS AND DATE STAMPS					
PROJECT NUMBÉR					
177310789					

SEPTEMBER 2018

INDEX NUMBER

D-177310789-02C-001



### Stantec

6900 Professional Parkway East, Sarasota, FL 34240-8414 *Phone* 941-907-6900 • *Fax* 941-907-6910

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