



# RESIDENTIAL SITE PLANS FOR: NOLA ROMA SALT COMPANY, LLC 16 SANCTUARY PLACE TYBEE ISLAND CHATTHAM COUNTY, GEORGIA

TAX PARCEL #40022 01040

LOT A-1

SIZE: 0.86 ACRES

DISTURBED AREA: 0.19 ACRES

FLOOD ZONE: AE 11.00' BASE ELEV(8/18).

ZONING: R2  
DISTURBED AREA IS LESS THAN 1 ACRE. ES&PC PLANS ARE NOT REQUIRED FOR PERMITTING

THE COASTAL MARSHLANDS PROTECTION ACT O.C.G.A. § 12-5-280 ET SEQ. AND THE SHORE PROTECTION ACT O.C.G.A. § 12-5-230 ET SEQ. DELINEATIONS OF THE PARCEL WAS COMPLETED ON JUNE 13, 2023

### INDEX OF DRAWINGS FOR CONSTRUCTION

COVER 1	G1
GENERAL NOTES	G2
SURVEY	VF-01
LAYOUT PLAN	CS-01
SITE PLAN	SP-01
HYDROLOGY	HY-01
DETAILS	DT-01

### PROJECT NARRATIVE

EASTING CONDITIONS  
16 SANCTUARY PLACE IS LOCATED ON TYBEE ISLAND AND CHATTHAM COUNTY, GEORGIA. THE LOT IS 0.27 ACRES AND UNDISTURBED. IT FEATURES DIMES ALONG THE NORTH SIDE, FEEDSTRAIN BEACH ACCESS AND A DRIVEWAY TO THE SOUTH. THE LOT IS FULLY DEVELOPED LOT. ELEVATIONS VARY FROM 11 TO 3' WITH MIDDLE OF THE LOT AROUND 5 TO 6'. THERE ARE TWO HIGH POINTS IN THE MIDDLE OF THE LOT WHICH BREAK EAST AND WEST. THE SOUTHERN SIDE OF THE LOT BREAKS TOWARDS THE MARSH. ACCESS TO THE LOT IS FROM THE MARSH. THE MARSH IS LOCATED TO THE SOUTH AND EAST. THE MARSH IS LOCATED AT THE SOUTH EAST SIDE OF THE LOT. THE LOT HAS A 10' BUILDING SETBACKS.

CHPA, JURISDICTIONAL LINE & SHORE PROTECTION ACT  
THE SHORE PROTECTION LINE AND CHPA JURISDICTIONAL LINE WERE DELINEATED BY RESOURCE + LAND CONSULTANTS ON 7/12/2022 AND SURVEYED ON 7/25/2023. GA DNR INSPECTED THE DELINEATION ON 6/30/2023 AND PROVIDED A NOTIFICATION LETTER ON 8/11/2023. SIGNED BY MS. DEB BARRENO.

HYDROLOGY AND SOILS  
IN THE PRE DEVELOPED CONDITIONS THE LOT RUNOFF FLOWS FROM THE DIMES SOUTH TO A HIGH POINT. THE MAJORITY OF THIS RUNOFF FLOWS EAST AND WEST AND SOME TO THE SOUTH. A SECOND HIGH POINT IS LOCATED TO THE WEST AND SOUTH. THE MARSH IS LOCATED TO THE SOUTH AND WEST. THIS POINT IS ADJACENT TO THE MARSH AND ALL SOUTHERN RUNOFF FLOWS TO THE MARSH.

IN THE PRE DEVELOPED CONDITIONS THE LOT WILL HAVE THE SAME SPANDED PATTERNS AS THE PRE DEVELOPED CONDITIONS. THE DISTURBED AREA IS APPROXIMATELY 0.19 ACRES AND LIMITS OF CONSTRUCTION WILL BE THE SILT FENCE.

PROPOSED CONSTRUCTION  
THE LOT WILL BE DEVELOPED WITH 3 STORY HOME. SEE THE ARCHITECTURAL PLANS FOR MORE INFORMATION ON THE HOME CONSTRUCTION.

THE HOME IS SITED WITHIN THE BUILDING SET BACK LIMITS TO THE WEST AND TO THE EAST. ACCESS WILL BE FROM THE SOUTH WEST SIDE OF THE LOT. A CONSTRUCTION ENTRANCE WILL BE PROVIDED AND LATER BE THE DRIVE WAY. THE DRIVEWAY WILL BE SURFACED WITH PERMEABLE PAVING. ALL DISTURBED AREAS WILL BE REVEGETATED WITH PLANT SPECIES APPROPRIATE TO THE AREA. THE DISTURBED AREAS WILL BE REVEGETATED WITH PLANT SPECIES APPROPRIATE TO THE AREA. THE DISTURBED AREAS WILL BE REVEGETATED WITH PLANT SPECIES APPROPRIATE TO THE AREA. THE DISTURBED AREAS WILL BE REVEGETATED WITH PLANT SPECIES APPROPRIATE TO THE AREA.

THE HOME WILL HAVE POSITIVE DRAINAGE ON ALL SIDES. ALL DISTURBED AREAS AROUND THE HOME WILL BE SLOPED AT 2% FOR THE FIRST 10' WHEN POSSIBLE. DRIVEWAY WILL BE SLOPED BETWEEN 1%-2%. A GRASS SWALE HAS BEEN PROVIDED ON ALONG THE SOUTH EAST PROPERTY LINE AND DRAINING TO THE SOUTH. RUN OFF FROM THE HOUSE WILL BE CAPTURED BY DOWN SPOUTS AND DISCHARGE ON SPLOUGH BLOCK.

LANDFILL/HAZARDOUS WASTE STATEMENT  
THIS LOT DOES NOT IS NOT A FORMER LANDFILL OR HAZARDOUS WASTE DISPOSAL AREA.

PUBLIC INTEREST STATEMENT  
A. THE HOME IS LOCATED OUT SIDE OF THE BAND SHARING SYSTEM NO IMPACTS ARE PROPOSED BY THE CONSTRUCTION WILL NOT UNREASONABLY INTERFERE WITH THE CONSERVATION OF MARINE BIODIVERSITY OR OTHER RESOURCES. THIS IS DEVELOPMENT OF LOT WITHIN AN APPROVED SUBDIVISION.  
C. COMPLETION OF THE APPLICANT'S PROPOSAL WILL NOT UNREASONABLY INTERFERE WITH ACCESS BY AND RECREATIONAL USE AND ENJOYMENT OF PUBLIC PROPERTIES IMPACTED BY THE PROJECT. THE APPLICANT HAS AGREED TO PROVIDE ACCESS TO THE BUILDING SETBACKS THUS NOT ENCROACHING ON THE USE OF THE PUBLIC RW.

IMPACTS TO SPA AREA  
IN THE PRE DEVELOPED CONDITIONS THE SHORE PROTECTION ACT (SPA) LINE, AS 2% OF SET TO THE SOUTH PROVIDES THE BOUNDARY OF THE SPA AREA TO LOWWATER LINE. THE SPA AREA IS 0.433 ACRES. THERE IS LIMITED GRADING, DECK AND CORNER OF THE HOME IS LOCATED IN THE SPA AREA. IMPACTS TO SPA AREA IS APPROXIMATELY 0.025 ACRES. THE IMPACTS ARE 5.5% OF THE SPA AREA.

CHPA IMPACTS  
THE EXISTING ACCESS AND UTILITY EASEMENT IS LOCATED IN THE LIMITS OF THE 25' MARSH BUFFER. THE PROPOSED ACCESS WILL BE TO THE EXISTING ACCESS AND HAVE MINOR IMPACTS TO THE MARSH BUFFER. THESE PERMANENT IMPACTS ARE APPROXIMATELY 40 SF AND ARE LOCATED ON THE SOUTH SIDE OF THE DRIVEWAY. THESE IMPACTS ARE UNAVOIDABLE. ADDITIONAL CHANGES TO THE CONSTRUCTION WILL BE MADE BY THE 25' MARSH BUFFER AND 50' SETBACK WILL BE REVEGETATED TO THE CONSTRUCTION CONDITIONS.

BARTOW SITE ENGINEERING, LLC  
209 WOOD DUCK WAY  
SPRINGFIELD, GA 31329  
(912) 856-3289  
pbartsmith@yahoo.com

CIVIL CONSTRUCTION PLANS  
16 SANCTUARY PLACE

COVER AND INDEX

SHEET NUMBER  
G1



**DEMOLITION AND REMOVAL NOTES:**

1. INITIAL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO PERFORMING ANY LAND DISTURBING ACTIVITIES OR REMOVALS.
2. TOPSOIL SHALL BE STRIPPED FROM THE SITE AND STOCKPILED. TOPSOIL SHALL BE SPREAD 4 INCHES THICK ON AREAS IDENTIFIED TO BE GRASSSED OR LANDSCAPED. TOPSOIL MAY NOT BE PILED HIGHER THAN 1 FT. STOCKPILED ON SITE. CONTRACTOR SHALL TEST THE TOPSOIL FOR CONTAMINATION. SOIL AMENDMENTS SHALL BE ADDED TO MAINTAIN SOIL STABILITY. NO STOCK PILING OF SOIL IN MARSH BUFFER OR SPA PROTECTION AREA.
3. PAVEMENTS TO BE REMOVED SHALL BE SAW CUT ALONG THE EDGE OF REMOVAL TO PROVIDE A SMOOTH FINISH ON NEW PAVEMENT.
4. SAW CUT EDGES ARE TO BE PROTECTED BY THE CONTRACTOR. DAMAGED EDGES SHALL BE RE-SAWN TO PROVIDE ONE UNIFORM EDGE.
5. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS FOR REMOVAL AND DISPOSAL OF LEAD PAINT AND ASBESTOS CONTAINING MATERIALS.
6. TREES OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED BY CONSTRUCTION EQUIPMENT. THE CONTRACTOR IS NOT TO REMOVE ANY TREES LARGER THAN 4 INCHES DBH (DIAMETER AT BREAST HEIGHT), OTHER THAN THOSE SHOWN FOR REMOVAL ON THE PLANS, WITHOUT PRIOR WRITTEN PERMISSION FROM OWNER, ENGINEER, AND APPROVED BY THE CITY.
7. THE LIMITS OF CONSTRUCTION ARE SHOWN ON THE CIVIL PLANS. THE LIMITS OF CONSTRUCTION AS SHOWN SHALL BE NOT BE ADJUSTED WITHOUT PRIOR APPROVAL OF THE ENGINEER.
8. TEMPORARY STOCKPILE LOCATIONS OF EXCAVATED MATERIALS FROM THE INSTALLATION OF UTILITIES SHALL BE COORDINATED WITH OTHER WORK.
9. EXCAVATION FOR THE REMOVAL OF BUILDING FOUNDATIONS, SLABS, AND UNDERGROUND UTILITIES SHALL BE KEPT TO THE MINIMUM DEPTH NECESSARY FOR THEIR REMOVAL. BACKFILL OF THE EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE TECHNICAL REPORT. REMOVAL OF EXISTING STRUCTURES INCLUDES ENTIRE FOOTINGS AND FOUNDATIONS.
10. TREE PROTECTION SHALL BE INSTALLED BEFORE CONSTRUCTION BEGINS AND REMOVED WITH CONSTRUCTION IS COMPLETED.

**LAYOUT NOTE:**

1. ALL DIMENSIONS ARE MEASURED PERPENDICULAR FROM PROPERTY LINES AND FACE OF BUILDING, UNLESS INDICATED OTHERWISE.
2. CONCRETE SLABS ARE MEASURED PERPENDICULAR FROM PROPERTY LINES TO CORNERS.

**WATER QUALITY BMP STANDARD NOTES:**

1. ALL PROPOSED BMP'S SHALL HAVE ACCOMPANYING DRAWINGS, DESIGN CALCULATIONS, AND ANY OTHER NECESSARY INFORMATION.
2. ALL PROPOSED BMP'S SHALL BE INSTALLED AS DIRECTED BY THE DESIGN DRAWINGS. THE USE OF PROPER MATERIALS, TECHNIQUE, AND TIMING ARE CRUCIAL FOR A BMP TO PERFORM AS EXPECTED AND DESIGNED.
3. ALL PROPOSED BMP'S SHALL BE MAINTAINED AS DIRECTED BY THE DESIGN DRAWINGS. THE USE OF PROPER MATERIALS, TECHNIQUE, AND TIMING ARE CRUCIAL FOR A BMP TO PERFORM AS EXPECTED AND DESIGNED. SPRINGFED EXPECTS THAT ALL BMP'S WILL BE PERFORMING AS DESIGNED AT PROJECT COMPLETION.

**CONTRACTOR STAGING AREA:**

1. CONTRACTOR LAYDOWN AND STAGING AREA WILL BE CURB, AND APPROVED BY THE ENGINEER. CONTRACTOR SHALL STAGE SITE VIA THE EXISTING ACCESSROAD ON THE WEST SIDE OF PROPERTY.

**UTILITY NOTES:**

1. SEE MECHANICAL/PLUMBING SHEETS FOR DETAILS OF DOMESTIC WATER AND SANITARY SEWER.
2. NEW WATER AND SEWER SYSTEMS SHALL BE IN ACCORDANCE WITH CITY OF SAVANNAH STANDARD SPECIFICATIONS AND DETAILS.
3. CONTRACTORS SHALL COORDINATE WITH LOCAL POWER PROVIDER FOR ALL CONNECTIONS TO SERVICE THE BUILDING.
4. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH LOCAL UTILITY PROVIDER PRIOR TO CONNECTING TO ANY SERVICE LATERALS TO MAINS OR MANHOLES.

**GRADING AND STORM DRAINAGE NOTES:**

1. ALL EXCAVATION SHALL BE PERFORMED SO THAT THE SITE AND THE AREA IMMEDIATELY SURROUNDING THE SITE WHICH AFFECTS DRAINAGE SHALL BE CONTAINED AND PROTECTED. CONTRACTOR SHALL PROVIDE DEMONSTRATION AS REQUIRED SO THAT ALL FOOTING EXCAVATIONS ARE ACCOMPLISHED IN THE DRY. ALL FOOTING EXCAVATIONS SHALL REMAIN DRY AND FIRM UNTIL THE FOOTINGS ARE IN PLACE AND BACKFILLED. DEMONSTRATION OF ANY SURFACE WATER, GROUND WATER TABLE, AND/OR ANY PERCHED WATER CONDITION SHALL BE IDENTIFIED AND RECORDED. DEMONSTRATION SHALL BE ACCOMPANIED BY ANY ACCEPTABLE MEANS AS APPROVED BY THE ENGINEER. ALL DEMONSTRATION EFFLUENT WILL SHALL PUMPED THROUGH A SILT BAG AND INTO A SEDIMENT BASIN, BEFORE LEAVING SITE.
2. ALL STORM PIPES LOCATED UNDER PAVEMENT TO HAVE WATER-TIGHT JOINTS.
3. ROOF DRAIN/FOUNDATION DRAIN COLLECTORS SHALL BE SIZED AS SHOWN ON GRADING PLANS. ALL ROOF/FOUNDATION DRAIN AND COLLECTORS SHALL HAVE A MINIMUM OF 1.00% SLOPE.
4. ALL EXISTING MANHOLES SHOWN TO REMAIN SHALL BE RAISED OR LOWERED TO MATCH THE NEW FINISHED GROUND UNLESS NOTED OTHERWISE.
5. CLEANOUTS SHALL BE PROVIDED ON ALL ROOF DRAINS WHERE THE PIPE MAKES A TURN OF 45 DEGREE OR SHARPER AND ON RUNS GREATER THAN 100 FT IN LENGTH.
6. THE CONTRACTOR MAY ENCOUNTER PERCHED WATER CONDITIONS IN SOME EXCAVATIONS REQUIRED FOR THIS PROJECT.
  - A. A PERCHED WATER CONDITION OCCURS WHEN WATER BEING DOWNWARD IS BLOCKED BY AN IMPERMEABLE SOIL LAYER, SUCH AS CLAYEY SAND, CLAY OR SILT, AND SATURATED. THE MORE PERMEABLE SOIL ABOVE IT. THE TRUE GROUND WATER LEVEL CAN BE SEVERAL TO MANY FEET BELOW THE PERCHED WATER LEVEL.
  - B. IT IS ANTICIPATED THAT SATURATED WATER DEMANDING THE REQUIRED CONTRIBUTION CAN BE ACCOMPLISHED BY THE USE OF FRENCH DRAINS, DITCHES, TRENCHES, AND PUMPING FROM FILTERED SUMPS. THE CONTRACTOR SHALL PERFORM WHICH-EVER MEASURES THAT ARE NECESSARY SUCH THAT ALL REQUIRED WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND THE SPECIFICATIONS.
7. ALL FILL AND CUT SLOPES SHALL BE NO STEEPER THAN 2:1 HORIZONTAL TO 1 VERTICAL UNLESS NOTED OTHERWISE ON THE DRAWINGS. SEE LANDSCAPING PLANS(CONTRACTOR SUPPLIED) GRASSING SPECIFICATION FOR PERMANENT GRASSING.
8. THE CONTRACTOR SHALL COORDINATE ALL GRADING OPERATIONS WITH OTHER TRADES. ALL NEW UTILITIES SHALL BE CONSTRUCTION WITH THE REQUIRED COVER AND COORDINATION WITH UTILITIES OF OTHER DISCIPLINES.
9. THE CONTRACTOR SHALL GROUT SEAL EXISTING STORM DRAINAGE STRUCTURES AT THE LOCATIONS WHERE NEW STORM DRAINAGE PIPES ARE TO BE INSTALLED.
10. TRENCH BOXES SHALL BE USED TO INSTALL STORM DRAINAGE LINES AROUND EXISTING TREES TO REMAIN. NO FILL FROM THE EXCAVATIONS SHALL BE STOCKPILED WITHIN THE DIMP LINE OF THE TREES TO REMAIN. SEE ARCHITECTURAL PLANS FOR LOCATIONS AND SIZES OF DOWNPOUTS AND DECK LAYOUT.



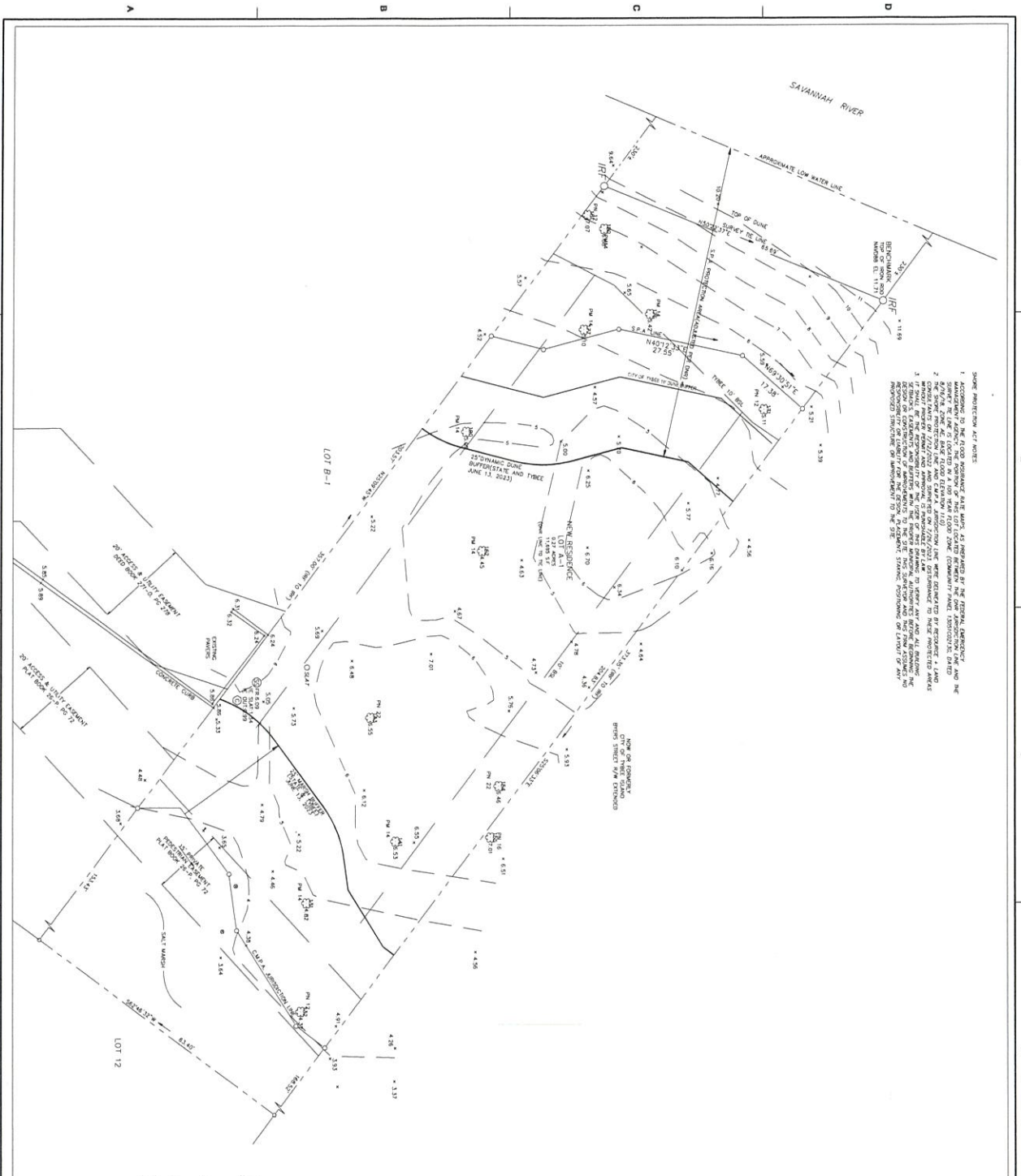
REVISIONS

CIVIL CONSTRUCTION PLANS  
18 SANCTUARY PLACE

GENERAL NOTES

BARTOW SITE ENGINEERING, LLC  
209 WOOD DUCK WAY  
SPRINGFIELD, GA 31329  
(912) 338-3389  
pbartsmith@yahoo.com

SHEET NUMBER  
G2



GRAPHIC SCALE: 1" = 10'

**LOT B-1**

TAX MAP NUMBER: 14-002720-040  
 COUNTY ZONE: R-2  
 TOTAL LOT AREA: 14.53 ACRES  
 SHEET ADDRESS: 18 SANCTUARY PLACE

**REFERENCES**

- 1. PLAT BOOK 21-2, PAGE 278
- 2. PLAT BOOK 21-2, PAGE 279
- 3. DEED BOOK 21-2, PAGE 278

**LEGEND**

- 0. ROAD AND DRAIN
- 1.4.5. SPOT ELEVATION
- 2. ELECTRIC POLE
- 3. SAWHAY SWAMP MANHOLE
- 4. SAWHAY SWAMP LARGER
- 5. CONDUIT LINE

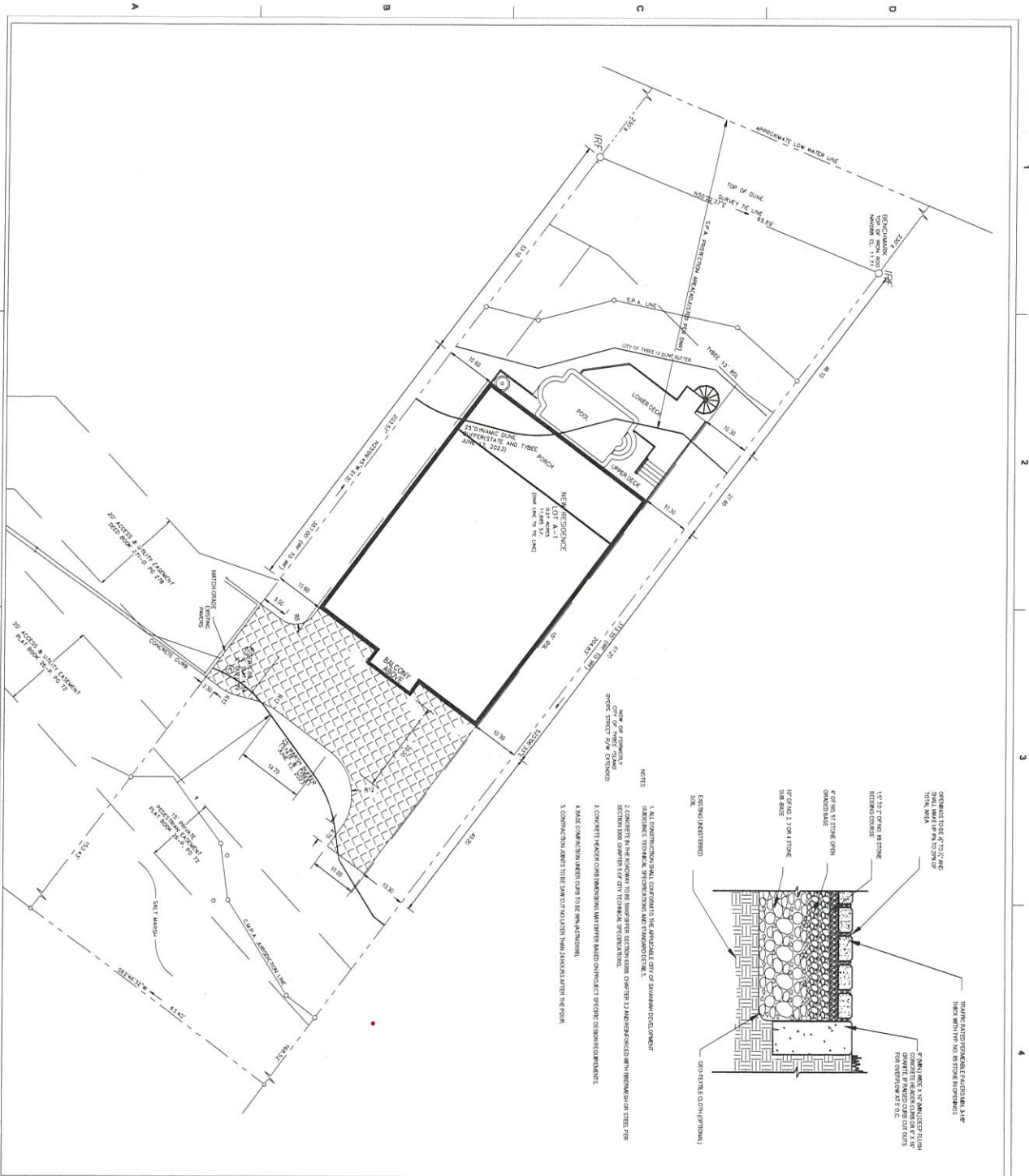
**THREE LEGEND**

- 6. SIDE OF SWAMP DOES NOT INDICATE THE LOCATION OF THE DUNE BUFFER LINE (SEE NOTE 2)
- 7. TREE TYPE APPROXIMATIONS:
  - PN PALM
  - PM PALM
  - PN PALM
- 8. ALL OTHERS SPECIFIED ON THIS COMPASS MAP ARE APPROXIMATELY LOCATED. FEWER TREES NOT LOCATED.

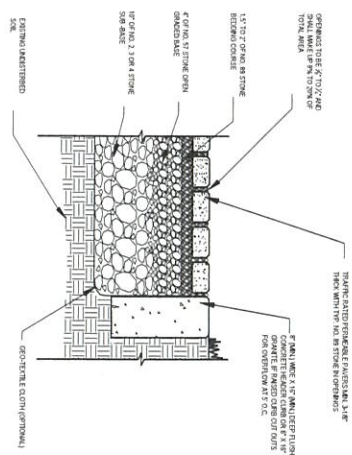
**SURVEYOR'S NOTES**

1. THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE...
2. ACCORDING TO THE FEDERAL BUREAU OF SURVEYING AGENCY, THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE...
3. THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE...
4. THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE...
5. THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE...
6. THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE...
7. THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE...
8. THE SURVEYING ZONE HAS BEEN ESTABLISHED ON MAPS ON STATE...

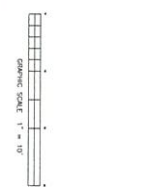
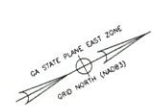
<b>CIVIL CONSTRUCTION PLANS</b> 18 SANCTUARY PLACE	<b>TOPOGRAPHIC SURVEY</b>	<b>BARTOW SITE ENGINEERING, LLC</b> 209 WOOD DUCK WAY SPRINGFIELD, GA 31329 (912) 856-3289 pbartsmith@yahoo.com	<b>REVISIONS</b>
SHEET NUMBER <b>VF-01</b>			



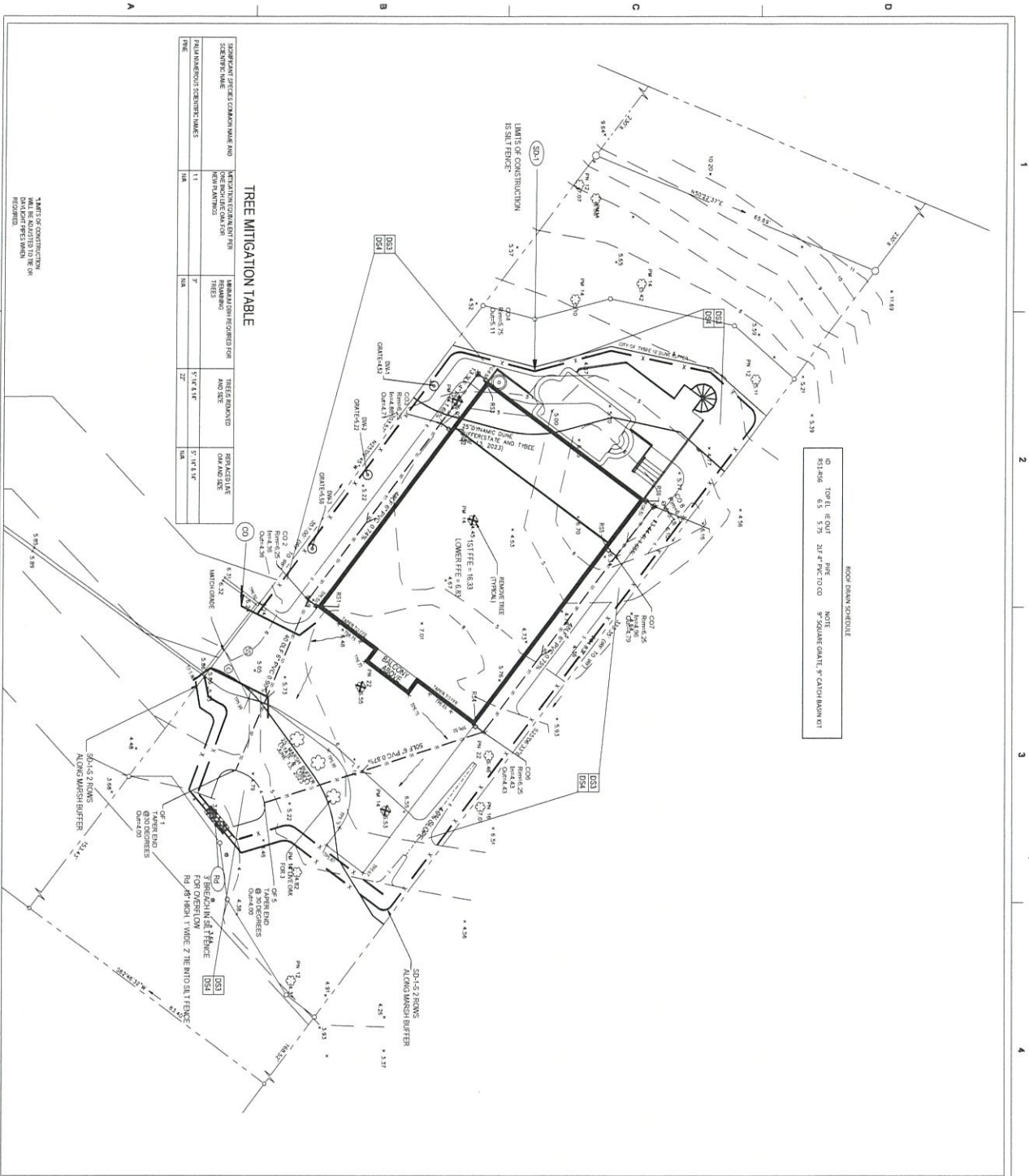
- NOTES
1. ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE CITY OF SAVANNAH DEVELOPMENT ORDINANCES TECHNICAL SPECIFICATIONS AND STANDARD DETAILS.
  2. CONCRETE SHALL BE READY TO BE SET AT THE SECTION SHOWN. CHAPTER 13 AND REFINISHED WITH REINFORCING STEEL PER SECTION 208 CHAPTER 13 OF THE CITY TECHNICAL SPECIFICATIONS.
  3. CONCRETE CHECK CURB SCHEDULES MAY BE USED ON PROJECTS WHERE SPECIFIC COMMENTS.
  4. MAKE CONNECTIONS WITH CITY OF SAVANNAH WATER AND SEWER AS SHOWN.
  5. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF SAVANNAH STANDARD SPECIFICATIONS.



- IMPORTANT CONTRACT NOTES:
1. EXTERIOR WATER AND SEWER UTILITIES MUST BE CONSIDERED TO THE PROPERTY LINE AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SAVANNAH FOR ALL FEES AND BUILDING SERVICE CONNECTIONS.
  2. CONNECTIONS FOR WATER, SEWER, ELECTRICAL, AND COMMUNICATIONS ARE NOT SHOWN AND ARE THE RESPONSIBILITY OF THE PERFORMING CONTRACTOR TO INSTALL PER UTILITY OWNERS SPECIFICATIONS AND COORDINATE INSTALLATION.
  3. SITE WORK FOR THIS CONTRACT MUST BE CONSTRUCTED IN ACCORDANCE WITH CITY OF SAVANNAH STANDARD SPECIFICATIONS IN DIVISION 2 AND DIVISION 3.
  4. PARTIAL LIST OF CITY OF SAVANNAH DETAILS TO BE UTILIZED FOR THIS CONTRACT:
    - 3-01 CONCRETE CURB
    - 3-02 SANITARY SEWER LATERAL
    - 3-03 CRUSHED STONE CONSTRUCTION EXIST
    - 3-04 SILT FENCE TYPE C
  5. LIST OF GSWCC MANUAL FOR SEDIMENT AND EROSION CONTROL DETAILS FOR THIS CONTRACT:
    - D83 DISTURBED AREA STABILIZATION (WOODS)
    - D84 DISTURBED AREA STABILIZATION (SOONING)
    - SD-1 SEDIMENT BARRIER
    - CO



SHEET NUMBER <b>CS 01</b>	CIVIL CONSTRUCTION PLANS 16 SANCTUARY PLACE  LAYOUT PLAN	<b>BARTOW SITE ENGINEERING, LLC</b> 209 WOOD DUCK WAY SPRINGFIELD, GA 31329 (912) 856-3289 pbartsmith@yahoo.com	REVISIONS    	
------------------------------	---	---	---------------------------	--

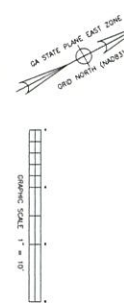


**TREE MITIGATION TABLE**

EXISTING TREE SPECIES, NAME AND SIZE (DBH)	LOCATION	REASON FOR REMOVAL	REPLACEMENT TREE SPECIES, NAME AND SIZE (DBH)	LOCATION
11	USA	REPLACEMENT FOR TREE REMOVAL FOR CONSTRUCTION	11	USA
22	USA	REPLACEMENT FOR TREE REMOVAL FOR CONSTRUCTION	22	USA

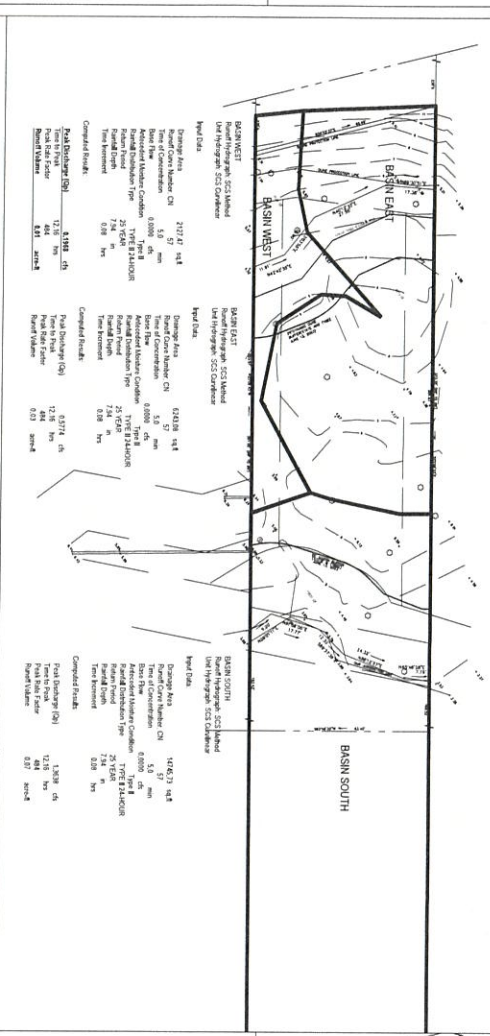
NOTICE: THIS PLAN IS A PRELIMINARY PLAN. IT IS NOT TO BE USED FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL INFORMATION AND CONDITIONS ON THE SITE PRIOR TO CONSTRUCTION.

- ABBREVIATION KEY:**
- TW = TOP OF WALK
  - TC = TOP OF CURB
  - BC = BACK OF CURB
  - ED = EDGE OF DRIVE
  - EP = EDGE OF PAVEMENT
  - TP = TOP OF PAVEMENT
  - FG = FINISHED EARTH GRADE
  - EG = EXISTING EARTH GRADE
  - EW = EDGE OF WALK
  - ME = MATCH EXISTING
  - HP = HIGH POINT
  - LP = LOW POINT
  - SWM = STORMWATER REQUIREMENT
  - STW = STORMWATER TRENCH
  - TOP = TOP OF SLOPE
  - TOE = TOE OF SLOPE
  - HC = HANDICAP ACCESSIBLE
  - MIN = MINIMUM
  - MAX = MAXIMUM
  - SS = SIDE SLOPE (RH)
  - US = UPSTREAM
  - DS = DOWNSTREAM
  - ES = FLOWED END SECTION
  - LS = FLOWED END SECTION
  - STD = STANDARD
  - CIG = CURB AND GUTTER
  - CS = CENTERLINE SWALE
- IMPORTANT CONTRACT NOTES:**
- EXTERIOR WATER AND SEWER UTILITIES MUST BE CONFORMANT WITH CITY OF SAVANNAH STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH THE CITY OF SAVANNAH FOR ALL FEES AND BUILDING SERVICE CONNECTIONS.
  - CONNECTIONS FOR WATER, SEWER, ELECTRICAL, AND COMMUNICATIONS ARE NOT SHOWN AND ARE THE RESPONSIBILITY OF THE PERFORMING CONTRACTOR TO INSTALL PER UTILITY OWNERS' SPECIFICATIONS AND COORDINATE INSTALLATION.
  - SITE WORK FOR THIS CONTRACT MUST BE CONSTRUCTED IN ACCORDANCE WITH CITY OF SAVANNAH STANDARD SPECIFICATIONS IN DIVISION 2 AND DIVISION 3.
  - PARTIAL LIST OF CITY OF SAVANNAH DETAILS TO BE UTILIZED FOR THIS CONTRACT:
    - 9-02 SEWER LATERAL
    - E-02 SANITARY SEWER LATERAL
    - E-02 CRUSHED STONE CONSTRUCTION EXIT
    - E-05 SLL FENCE TYPE C
  - LIST OF GSWCC MANUAL FOR SEDIMENT AND EROSION CONTROL DETAILS FOR THIS CONTRACT:
    - D33 DISTURBED AREA STABILIZATION (VEGETATION)
    - D34 DISTURBED AREA STABILIZATION (SEEDING)
    - SD-1 SEDIMENT BARRIER
    - CO
  - ROOF DRAINS ARE APPROXIMATE LOCATIONS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS.

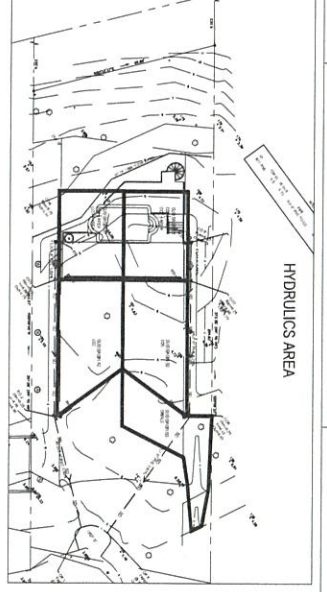
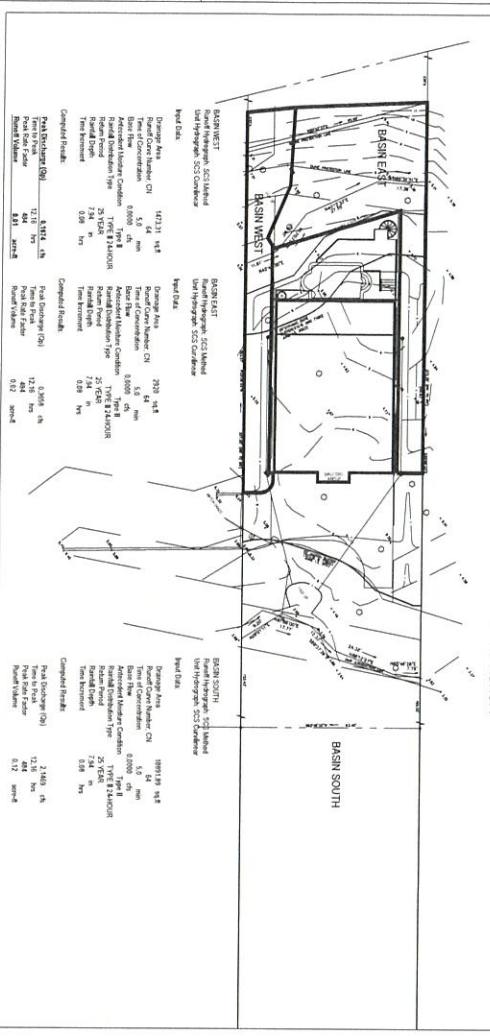


<b>REVISIONS</b>   	
CIVIL CONSTRUCTION PLANS 16 SANCTUARY PLACE  <b>SITE PLAN</b>	<b>BARTOW SITE ENGINEERING, LLC</b> 209 WOOD DUCK WAY SPRINGFIELD, GA 31329 (912) 856-3289 pbartsmith@yahoo.com
SHEET NUMBER <b>SP 01</b>	

PRE-DEVELOPED HYDROLOGY BASINS AND RUNOFF

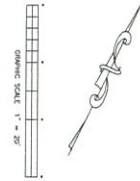


POST DEVELOPED HYDROLOGY BASINS AND RUNOFF



**3.00 BASIN 03**  
**SWALE**  
 1. Name: **Basin 03**  
 2. Description: **Basin 03**  
 3. Design Flow: **1.50 cfs**  
 4. Design Velocity: **1.00 ft/s**  
 5. Design Depth: **0.15 ft**  
 6. Design Slope: **0.005**  
 7. Design Material: **Grass**  
 8. Design Erosion Rate: **0.005**  
 9. Design Sedimentation: **0.005**  
 10. Design Maintenance: **0.005**  
 11. Design Construction: **0.005**  
 12. Design Operation: **0.005**  
 13. Design Decommission: **0.005**  
 14. Design Rehabilitation: **0.005**  
 15. Design Demolition: **0.005**  
 16. Design Disposal: **0.005**  
 17. Design Recycling: **0.005**  
 18. Design Reuse: **0.005**  
 19. Design Restoration: **0.005**  
 20. Design Remediation: **0.005**  
 21. Design Resilience: **0.005**  
 22. Design Resilience: **0.005**  
 23. Design Resilience: **0.005**  
 24. Design Resilience: **0.005**  
 25. Design Resilience: **0.005**

**Drywell Details**  
 Head Depth: 2'27" ft  
 Inlet: 18" dia  
 Outlet: 18" dia  
 Material: 18" dia  
 Construction: 18" dia  
 Operation: 18" dia  
 Decommission: 18" dia  
 Rehabilitation: 18" dia  
 Demolition: 18" dia  
 Disposal: 18" dia  
 Recycling: 18" dia  
 Reuse: 18" dia  
 Restoration: 18" dia  
 Remediation: 18" dia  
 Resilience: 18" dia  
 Resilience: 18" dia  
 Resilience: 18" dia  
 Resilience: 18" dia  
 Resilience: 18" dia



SHEET NUMBER <b>HY 01</b>	CIVIL CONSTRUCTION PLANS 18 SANCTUARY PLACE <b>HYDROLOGY AND HYDRAULICS</b>	BARTOW SITE ENGINEERING, LLC 209 WOOD DUCK WAY SPRINGFIELD, GA 31329 (912) 856-3289 pbartsmith@yahoo.com	REVISIONS	
	DRAWING SCALE: 1" = 20'			

FLO-WELL® ENGINEERED DRY WELL

Part No.	Description	Color	Qty	Net Wt.	Product	Specifications
FW001	1" x 12" x 12" (305 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 1.5mm polypropylene liner and 305mm x 305mm x 1.5mm polypropylene filter)	Black	1	1.150	FW001	Product used for lining and filter
FW002	2" x 12" x 12" (51 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 2mm polypropylene liner and 305mm x 305mm x 2mm polypropylene filter)	Black	1	1.250	FW002	Product used for lining and filter

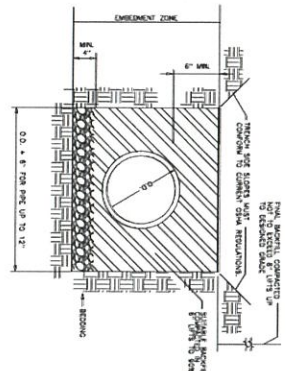
Part No.	Description	Color	Qty	Net Wt.	Product	Specifications
FW003	4" x 12" x 12" (102 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 4mm polypropylene liner and 305mm x 305mm x 4mm polypropylene filter)	Black	1	1.450	FW003	Product used for lining and filter
FW004	6" x 12" x 12" (152 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 6mm polypropylene liner and 305mm x 305mm x 6mm polypropylene filter)	Black	1	1.650	FW004	Product used for lining and filter

Part No.	Description	Color	Qty	Net Wt.	Product	Specifications
FW005	8" x 12" x 12" (203 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 8mm polypropylene liner and 305mm x 305mm x 8mm polypropylene filter)	Black	1	1.850	FW005	Product used for lining and filter
FW006	10" x 12" x 12" (254 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 10mm polypropylene liner and 305mm x 305mm x 10mm polypropylene filter)	Black	1	2.050	FW006	Product used for lining and filter

Part No.	Description	Color	Qty	Net Wt.	Product	Specifications
FW007	12" x 12" x 12" (305 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 12mm polypropylene liner and 305mm x 305mm x 12mm polypropylene filter)	Black	1	2.250	FW007	Product used for lining and filter

Part No.	Description	Color	Qty	Net Wt.	Product	Specifications
FW008	14" x 12" x 12" (354 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 14mm polypropylene liner and 305mm x 305mm x 14mm polypropylene filter)	Black	1	2.450	FW008	Product used for lining and filter
FW009	16" x 12" x 12" (406 x 305 x 305 mm) Polypropylene Lining System (Includes 305mm x 305mm x 16mm polypropylene liner and 305mm x 305mm x 16mm polypropylene filter)	Black	1	2.650	FW009	Product used for lining and filter

ALL PRODUCTS CAN FOUND AT WWW.FLOWELL.COM  
INSTALLATION SHALL PER NDS APPLICATION



- NOTES:**
1. FLOOR BEDDING SHALL BE USED UNDER THE SUB-DRAINAGE AREA OF THE PIPE REGION. IN THE ENGINEER'S OPINION, IT SHOULD BE RECOMMENDED THAT THE BEDDING MUST BE REINFORCED WITH STEEL.
  2. SEE CITY OF SAN ANTONIO SPECIFICATIONS SECTION 02440 PART 2 FOR MORE DETAILS.
  3. OUTLET PIPE SHALL BE TAPER CUT IN FIELD AT 20 DEGREES AND ALL EXPOSED FINISHED BLACK WITH DRAINAGE FLASH.

Flo-Well Assembly and Installation Sheet

WARNING: Call before you dig. Contact your local utility to locate utility mark, cut, and to avoid personal injury. RECOMMENDED: For all Flo-Well configurations, install at least an appropriate 120 lb-ft stem foundation or structure.



- ASSEMBLY INSTRUCTIONS**
1. Pre-drill holes in the concrete slab with the provided hardware.
  2. Place the Flo-Well unit into the holes.
  3. Secure the unit with the provided hardware.

