



RFP 2016-0009 - ADDENDUM 4

COLIGNY REDEVELOPMENT PROJECT

Town of Hilton Head Island, South Carolina

Date Issued: August 11, 2016

Note. The following items shall take precedence over the plans and specifications for the above named project and shall become part of the contract documents.

Where any item called for in the specifications or indicated on the drawings is supplemented hereby, the original requirements shall remain in effect.

Where any original item is amended, voided or superseded hereby, the provisions of such item no specifically amended, voided or superseded shall remain in effect.

Acknowledge receipt of this Addendum in the space provided on the Project Transmittal. Failure to do so may subject the Offeror to disqualification.

The following changes are to be incorporated into the Construction Documents for RFP 20016-0009. All those receiving this addendum should modify their set of contract documents to show the below described changes.

Item 1. Questions & Answers regarding the proposal

- Q.1** Does the Town have any quantities or inventory of the waste (mulch, inorganics, asphalt, concrete, stumps, pipe, etc) that has been dumped on the Town overflow parking area parcel? The entire area is overgrown with weeds and it is difficult to tell what all is out there and will need to be hauled off. How do we handle this "unknown" on the bid?
- A.1** This unknown condition has been addressed through this Addendum (#4) under the Technical Specifications section 2.6, and in the Unit Price Schedule.
- Q.2** Most of the exterior "vertical structures" shown on the L drawings and the Pavilion drawing call out the lumber to be treated Southern Yellow Pine. The SYP has a tendency to split, check, twist, warp, etc. Please let us know if we can quote a higher grade lumber as an alternate to the base bid. If so we would need a line item to show if it is an "add" or "deduct".
- A.2** The Pavilion question has been addressed through this Addendum (#4), including the addition of an alternate to the Base Bid. Work included on L sheets will remain unchanged, as pertains to this question.
- Q.3** Will the Town provide a digital version of the XL spreadsheets used to create the Bid Schedule of value for each project?
- A.3** Yes. Excel spreadsheets have been updated and provide as part of this addendum. Updated quantities have been highlighted.
- Q.4** Will the G.C. be required to pay for the site utilities (water and power) required for construction or will this be on the Towns accounts?
- A.4** Per the General Conditions (3.4.1), the General Contractor will be required to pay for site utilities required for construction.
- Q.5** Will the Basis of Payment for Asphalt Paving be based on the contract unit bid price per ton or cost at time of placement? In other words does the contract include a provision for Asphalt Cement Price Adjustment based on the fluctuations in the cost of asphalt cement used in the performance of applicable construction work?

- A.5** The basis of payment for asphalt paving will be based on the contract unit bid price per ton. Since the project construction duration for the roadway projects is relatively short (scheduled for less than a year after the bid opening) and the asphalt index has been relatively flat over the past few years, a provision for asphalt binder index adjustments will not be included in the contract.

Item 2. Technical Specifications

2.1 014000 - QUALITY REQUIREMENTS

A. Specification Section added, including Schedule of Inspections & Testing Matrix (8 pgs)

2.2 061000 - ROUGH CARPENTRY, Paragraph 2.5.B. Revise to read as follows:

- A. "B. 2 x width bearing plates, stud wall framing, etc.
1. Grade: No. 2
2. Species: Southern Pine, SPIB
3. All exterior members and where noted shall be pressure treated."

2.3 061000-ROUGH CARPENTRY, Paragraph 2.5.C. Revise to read as follows:

- A. "C. Roof framing, *including 2 x width roof framing and all members* of 3 x width and larger.
1. Grade: No. 1.
2. Species: Southern Pine, SPIB
3. All exterior members and where noted shall be pressure treated."

2.4 265600 EXTERIOR LIGHTING

- A. Paragraph 2.1, Manufacturers; add:
"The following manufacturers are approved equals:
1. Type 'P': WAC Lighting
2. Type 'U1': Lumenfacade
3. Type 'W2/W2E': WAC Lighting with Iota Inverter"

2.5 SCDOT GRASSING REFERENCE ADDED:

- A. "Add SCDOT Specification Section 8102300- for Permanent Grassing. Add a total of 7,892 Square Yards of Common Bermuda seeding per SCDOT requirements. This quantity and specification section reference is applied to areas labeled "permanent stabilization areas" and indicated in Project A- Nassau Street (sheets EC3.1 & EC3.2); Project B- Lagoon Road Extension (sheets EC.5 & EC.6); Project C- South Forest Beach Drive (sheet EC3.1); Project D- Pope Avenue Intersection (sheet EC3.1)."
B. The aforementioned grassing quantity has also been added to the Unit Price Schedule.

2.6 SCDOT REFERENCE ADDED:

- A. "Add SCDOT Specification Section 203.2.1.2 for Coligny Park. Add 50 CY Unclassified Excavation. This item covers various debris that may be encountered on site and not otherwise described to be removed or demolished."

Item 3. Project Drawings – see attachments

3.1 Sheet C3.1 Coligny Park

- A. Revised finished floor (FF) elevations on Museum and Restrooms. See architectural plans for interior slopes.

3.2 SHEET C3.2 COLIGNY PARK

- A. Added 4 LF of 4" PVC pipe between foot wash drain and YI #21.

- 3.3** SHEETS SS1.0 & SS1.1- COLIGNY PARK:
A. Modified to include the foundation design for receipt of sculpture (sculpture to be supplied and installed by Others).
- 3.4** SHEET L103B
A. Added (2) "No Lifeguard on Duty/Swim at Your Own Risk" signs.
B. Added (2) "No Jumping from the Bridge" signs.
- 3.5** SHEET L304:
A. Added detail 4/L304- "No Lifeguard on Duty/Swim at Your Own Risk" sign.
- 3.6** SHEET L306
A. Modified detail 2/L306 to add "You shall take a shower before entering the pool" text to the Fountain Rules Sign.
B. Added detail 5/L306- "No Jumping from the Bridge" sign.
- 3.7** SHEET L405
A. Added Common Bermuda seed quantity and reference information.
- 3.8** SHEET FM-0
A. Modified to include updated water feature specifications.
- 3.9** SHEET FN-1
A. Concrete and waterproofing section has been modified to add items 7 & 8.
B. Mechanical and plumbing section has been modified to include items 14-21.
C. Electrical section has been modified to include items 16-21.
D. Special Requirements section has been added.
E. Equipment list has been modified.
- 3.10** SHEET FD-1
A. Items 1, 11a, 12a, 13c and 13d have been modified.
- 3.11** SHEET FD-2
A. Items 13e, 13f, 13g, 13h, 15, 18, 19, 20 and 21 have been added or modified.
- 3.12** SHEET FM-1
A. Has been modified to add a pool rules sign detail
B. Has been modified to add emergency stop button location and signage
C. Has been modified to add water feature specifications.
- 3.13** SHEET FM-1A
A. Has been modified to add two notes and general location of de-chlorination device and e-stop button.
- 3.14** SHEET FM-5
A. Has been modified to show fountain drainage to storm system and de-chlorination device. De-chlorination device to be field located.
- 3.15** SHEET FM-8
A. Section C has been modified to show correct elevations.
B. Note has been added for no jumping off bridge sign.

- 3.16** SHEET A2.101 FLOOR PLANS
A. "In the Toilet Accessories Schedule, change row TA-4 in the column "Item" to "Bradley Model 781, 18" x 36" Laminated Safety Glass Stainless Steel Angle Frame Mirror."
- 3.17** SHEET A2.103 POOL RESTROOM PLANS
A. "In the Toilet Accessories Schedule, change row TA-4 in the column "Item" to "Bradley Model 781, 18" x 36" Laminated Safety Glass Stainless Steel Angle Frame Mirror."
- 3.18** SHEET S0.001:
A. Revise Note 2 under "Wood" to read as follows:
"Structural wood heavy timer framing (3 x 8 and larger) *and 2 x roof framing* shall be No. 1 Southern Pine. Exterior members and where noted shall be pressure treated."
- 3.19** SHEET E0.002:
A. Mounting remarks updated for bollards 'B1' and 'B2'.
B. Low voltage comments added for handrail fixture 'T'.
- 3.20** SHEET E0.060:
A. Dimming note added for sign fixture 'U1'.
- 3.21** SHEET E0.061:
A. Low voltage transformer added for fixture type 'T'.
- 3.22** SHEET E3.101:
A. Restroom plan modified per architectural updates.
- 3.23** SHEET E3.102:
A. Restroom plan modified per architectural updates. Lighting controls updated.
- 3.24** SHEET P0.901:
A. Revised pond restroom sanitary & vent isometric 3 for new plumbing fixture layout.
B. Added floor drains in pond restrooms.
- 3.25** SHEET P2.101:
A. Revised pond restroom- domestic hot and cold water plan 1 for new plumbing fixture layout.
B. Added floor drains in pond restrooms.
- 3.26** SHEET P2.102:
A. Revised pond restroom sanitary & vent plan 1 for new plumbing fixture layout.
B. Added floor drains in pond restrooms.
C. Revised pond restroom sanitary & vent plan Section 4 for new plumbing fixture layout.

Item 4.

4.1

Additional Information

Pavilion Wood Upgrade Alternate:

As Base Bid provide grade no. 1 Southern pine for roof framing- including heavy timber 3 x 8 and larger and 2x roof framing. As Alternate #X, provide the add or deduct to the Base Bid to provide Select Structural Southern pine for the roof framing-including heavy timber 3 x 8 and larger and 2 x roof framing.

The UPS has been updated for Coligny Park to include an Additive Alternate for upgraded wood at the pavilion.

- 4.2 Interactive fountain documents have been submitted and reviewed by SCDHEC. This Addendum (#4) addresses review comments. Final permit is forthcoming.
- 4.3 The project construction budget is \$11,500,000.
- 4.4 This project contains the shell of the Children’s Museum only. Additional tenant upfit will be required under separate contract at the completion of this project.
- 4.5 The Proposal Transmittal has been updated to reflect the issuance of (4) Addenda. Offerors must acknowledge receipt of all addenda. Revised transmittal is included in this addendum as Attachment 1.

Attachments:

Addendum 4 – Attachment 1: Revised Proposal Transmittal

Addendum 4 – Attachment 2: Revised Exhibit A Fee Proposal

Addendum 4 – Attachment 3: Technical Specs:

Section 014000 - QUALITY REQUIREMENTS including Schedule of Inspections & Testing Matrix

Addendum 4 – Attachment 4: Drawing Sheets:

C3.1	FD-2	-	
C3.2			
SS1.0	FM-1	E3.101	
SS1.1	FM-1A	E3.102	
L-103B	FM-5	P0.901	
L-304	FM-8	P2.101	
L-306	A2.101	P2.102	
L-405	A2.103		
FM-0	E0.002		
FN-1	E0.060		
FD-1	E0.061		
		-	

Reminder: Sealed proposals are due by 2:00 pm on August 25, 2016.

PROPOSAL TRANSMITTAL

TO: Town of Hilton Head Island, South Carolina

ATTENTION: Jennifer B. Ray, Urban Designer

PROJECT: COLIGNY REDEVELOPMENT PROJECT

DATE: _____

FROM: _____ (Company Name)

_____ (Contact Person)

_____ (Address)

_____ (Telephone No.)

Having carefully examined the plans, specifications and documents contained within this solicitation, dated _____, and also having carefully inspected the work site, the undersigned hereby agrees to furnish all necessary materials, equipment and labor required, as well as all other things necessary for the complete execution of all work which is issued pursuant to this contract.

The sum total of all costs reflected in Fee Proposals, Exhibit A-1 through A-5, covered by and in conformity with the aforesaid plans, specifications and contract documents is \$_____.

	Total Proposed Fee
A-1: Project A – Nassau Street	\$
A-2: Project B – Lagoon Road Extension	\$
A-3: Project C – South Forest Beach Dr.	\$
A-4: Project D – Lagoon Pope Intersection	\$
A-5: Coligny Park	\$
Total Profit and Overhead	\$
GRAND TOTAL FEE	\$

The sum total of all costs reflected in Fee Proposals, Exhibit A-1 through A-4 & A-6, covered by and in conformity with the aforesaid plans, specifications and contract documents is \$_____.

	Total Proposed Fee
A-1: Project A – Nassau Street	\$
A-2: Project B – Lagoon Road Extension	\$
A-3: Project C – South Forest Beach Dr.	\$
A-5: Coligny Park	\$
A-6: Lagoon Pope Intersection Night Work Alternate	\$
Total Profit and Overhead	\$
GRAND TOTAL FEE	\$

Acknowledgement of Addenda

Addendum #1 _____

Addendum #2 _____

Addendum #3 _____

Addendum #4 _____

BY: _____

DATE: _____

TITLE: _____

WITNESS: _____

(CORPORATE SEAL)

EXHIBIT A: FEE PROPOSAL
A-1: Project A - Nassau Street
RFP 2016-0009 - COLIGNY AREA IMPROVEMENTS
LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

The unit prices given on this document, along with any negotiated changes in quantities, shall become the basis for, and included in, the contract agreement. Offerors are responsible for verifying all quantities and notifying the Owner of any discrepancies greater than 10% of estimate, in writing, prior to the bid opening. 7-digit SCDOT specification numbers refer to the 2007 Standard Specifications for Highway Construction of the South Carolina Department of Transportation. SC refers to the Special Condition. Technical Specification #s 331000SC, 333000, 334000 refers to Project Manual Technical Specification

							EARTHWORK SUBTOTAL	\$	-	
CONCRETE										
Item		Description	Quantity				Unit Cost		Total Cost	
A-C1	72003110	18" Curb & Gutter (Standard)	846	lf				\$	-	
A-C2	72003210	24" Curb & Gutter (Standard)	652	lf				\$	-	
A-C3	72003110	18" Curb & Gutter (Roll)	1174	lf				\$	-	
A-C4	72003110	24" Concrete Gutter Strip	973	lf				\$	-	
A-C5	72003110	12" Flush Header Curb	455	lf				\$	-	
							CONCRETE SUBTOTAL	\$	-	
PAVING										
Item		Description	Quantity				Unit Cost		Total Cost	
A-P1	3050108	8" Graded Aggregate Base Course (Nassau Rd)	3333	sy				\$	-	
A-P2	3050108	8" Graded Aggregate Base Course (Pope)	315	sy				\$	-	
A-P3	3050108	10" Graded Aggregate Base Course (Nassau Rd Pavers)	400	sy				\$	-	
A-P4	4011004	Liquid Asphalt Binder PG64-22	42	tn				\$	-	
A-P5	4013990	Mill Existing Asphalt Pavement (Nassau Rd)	1525	sy				\$	-	
A-P6	4013990	Mill Existing Asphalt Pavement - Variable (Pope)	600	sy				\$	-	
A-P7	4030310	Hot Mix Asphalt Intermediate Course Type A (Pope)	32	tn				\$	-	
A-P8	4030320	Hot Mix Asphalt Surface Course Type B (Nassau Full Depth)	334	tn				\$	-	
A-P9	4030320	Hot Mix Asphalt Surface Course Type B (Nassau Overlay)	153	tn				\$	-	
A-P10	4030320	Hot Mix Asphalt Surface Course Type B (Pope Full Depth)	32	tn				\$	-	
A-P11	4030320	Hot Mix Asphalt Surface Course Type B (Pope Overlay)	60	tn				\$	-	
A-P12	4030320	Hot Mix Asphalt Surface Course Type B (Pope Inlay)	159	tn				\$	-	
A-P13	4030360	Hot Mix Asphalt Surface Course Type E Leveling (Pope Overlay)	24	tn				\$	-	
A-P14	321400	Vehicular Pavers	400	sy				\$	-	
A-P15	321400	Geogrid - Paver Underlayment	400	sy				\$	-	
A-P16	321316	4" Thick Concrete Sidewalk/Pathway	340	sy				\$	-	
A-P17	4030320	Asphalt Pedestrian Pathway	311	sy				\$	-	
A-P18	4039030	Traffic Pattern XD	129	sy				\$	-	
							PAVING SUBTOTAL	\$	-	
EROSION AND SEDIMENT CONTROLS										
Item		Description	Quantity				Unit Cost		Total Cost	
A-EC1	8100200	Temporary Cover	0.6	ac				\$	-	
A-EC2	8152004	Inlet Structure Filter - Type F (Weighted)	1	ea				\$	-	
A-EC3	8156200	Cleaning Inlet Structure Filters	38	ea				\$	-	
A-EC4	8156211	Inlet Structure Filter - Type E (Catch Basin Type 1)	24	ea				\$	-	
A-EC5	8156219	Inlet Structure Filter - Type A	13	ea				\$	-	
A-EC6	8156490	Stabilized Construction Entrance	270	sy				\$	-	
							EROSION SUBTOTAL	\$	-	
TOTAL FEE (PROJECT A ONLY)										
							\$		-	

EXHIBIT A: FEE PROPOSAL

A-3: Project C - South Forest Beach Dr.

RFP 2016-0009 - COLIGNY AREA IMPROVEMENTS

LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

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ITEM	SPEC. NO.	DESCRIPTION	QUANTITY		COST	
	SCDOT OR SPEC PROV.		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
MISCELLANEOUS						
Item		Description	Quantity		Unit Cost	Total Cost
C-M1	1031000	Mobilization	1	ls		\$ -
C-M2	1050800	Construction Staking, Lines and Grades	1	ls		\$ -
C-M2	SC-3	As-Built Survey	1	ls		\$ -
C-M3	1071000	Traffic Control	1	ls		\$ -
C-M4	6262110	4" Yellow Solid Lines - Epoxy Paint	169	lf		\$ -
C-M5	6271023	12" x 18" White Triang. Yield Bar (Gaps Exc)Thermo. - 125 Mil.	20	lf		\$ -
C-M6	6271039	White Word Message "Stop" - Thermo. - 125 Mil.	8	ea		\$ -
C-M7	7197120	Adjust Manhole	3	ea		\$ -
C-M8	7197140	Adjust Utility Box	1	ea		\$ -
C-M9	7197141	Adjust Utility Valve Box with Cover	14	ea		\$ -
C-M10	675027G	Furnish & Install 4" Schedule 80 PVC Conduit	400	lf		\$ -
C-M11	675027O	Furnish & Instal 6" Schedule 80 PVC Conduit	400	lf		\$ -
C-M12	101453	Trail Signage	1	ls		\$ -
C-M13	331000	Relocate Hydrant	1	ls		\$ -
C-M14	7204900	Detectable Warning Surface (Chocolate Brown)	160	sf		\$ -
					MISCELLANEOUS SUBTOTAL	\$ -
DEMOLITION						
Item		Description	Quantity		Unit Cost	Total Cost
C-D1	2024100	Remove & Disposal of Existing Curb	43	lf		\$ -
C-D2	2016000	Selected Removal of Marked Trees	1	ls		\$ -
C-D3	Per Plan	Remove Portion of Flume	1.5	sy		\$ -
					DEMOLITION SUBTOTAL	\$ -
STORM DRAINAGE						
Item		Description	Quantity		Unit Cost	Total Cost
C-SD1	7197110	Adjust Catch Basin	1	ea		\$ -
C-SD2	7192010	SCDOT Drop Inlet (24" X 24") (With 2'x2' Precast Box)	3	ea		\$ -
C-SD3	7143615	15" RCP Stormwater Pipe	122	lf		\$ -
C-SD4	7198120	Replace Existing Roof Inlet (Type 9) with Drop Inlet (24"X24")	2	ea		\$ -
C-SD5	7198120	Replace Existing Beehive Inlet with Drop Inlet (24"X24")	1	ea		\$ -
					STORM DRAINAGE SUBTOTAL	\$ -
EARTHWORK						
Item		Description	Quantity		Unit Cost	Total Cost
C-E1	9520305	Earthwork and Grading Complete	1	ls		\$ -
					EARTHWORK SUBTOTAL	\$ -
CONCRETE						
Item		Description	Quantity		Unit Cost	Total Cost
C-C1	7201100	Concrete Curb (Transition)	12	lf		\$ -
C-C2	7204100	Concrete Sidewalk(4" Uniform)	69	sy		\$ -
C-C3	See Detail	6" Concrete Header Curb Around Grate Inlet	12	lf		\$ -
					CONCRETE SUBTOTAL	\$ -
PAVING						
Item		Description	Quantity		Unit Cost	Total Cost
C-P1	3050104	Graded Aggregate Base Course (4" Uniform)	937	sy		\$ -
C-P2	4011005	Prime Coat	155	gal		\$ -
C-P3	4013990	Mill Existing Asphalt Pavement - Variable	46	sy		\$ -
C-P4	4030340	Hot Mix Asphalt Surface Course Type C (1.5' Path Section)	70.3	tn		\$ -
C-P5	4030321	Hot Mix Asphalt Surface Course Type B (2" Stamped Crosswalk Section)	4.6	tn		\$ -
C-P6	4039000	Asphalt Pavement Texturing - Custom	46	sy		\$ -
					PAVING SUBTOTAL	\$ -

EXHIBIT A: FEE PROPOSAL

A-3: Project C - South Forest Beach Dr.

RFP 2016-0009 - COLIGNY AREA IMPROVEMENTS

LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

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ITEM	SPEC. NO.	DESCRIPTION	QUANTITY		COST	
	SCDOT OR SPEC PROV.		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
EROSION AND SEDIMENT CONTROLS						
Item		Description	Quantity		Unit Cost	Total Cost
C-EC1	8156219	Inlet Structure Filter - Type A	140	lf		\$ -
C-EC2	8156200	Cleaning Inlet Structure Filter	7	ea		\$ -
C-EC3	8100200	Temporary Cover	0.35	ac		\$ -
					EROSION SUBTOTAL	\$ -
TOTAL FEE (PROJECT C ONLY)						
					\$	-

EXHIBIT A: FEE PROPOSAL

A-4: Project D - Lagoon Pope Intersection

DAYTIME (7 AM TO 7 PM WORK HOURS)

RFP 2016-0009 - COLIGNY AREA IMPROVEMENTS

LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

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ITEM	SPEC. NO.		DESCRIPTION	QUANTITY		COST	
	SCDOT OR SPEC	PROV.		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
MAST-ARM TRAFFIC SIGNAL							
Item		Description	Quantity		Unit Cost	Total Cost	
D-TS1	SC-4	Mast-Arm Traffic Signal Installation	1	Is		\$	-
MAST-ARM TRAFFIC SIGNAL SUBTOTAL						\$	-
TOTAL FEE (PROJECT D ONLY)						\$	-

EXHIBIT A: FEE PROPOSAL

A-5 COLIGNY PARK

RFP 2016-0009 - COLIGNY REDEVELOPMENT PROJECT

LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

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ITEM		DESCRIPTION	QUANTITY		COST		
			NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST	
ADMINISTRATIVE & STARTUP							
Item		Description	Quantity	Unit	Unit Cost	Total Cost	
1		Mobilization	1	LS	\$	-	
2		Insurance and Bonds	1	LS	\$	-	
3		Profit and Overhead	1	LS	\$	-	
4		ES & PC Installation and Maintenance	1	LS	\$	-	
5		Construction Entrance	1	LS	\$	-	
6		As-Built Survey	1	LS	\$	-	
7		Traffic Control	1	LS	\$	-	
8		Contractor provided testing	1	LS	\$	-	
9		Misc. Administrative & Startup	1	LS	\$	-	
					ADMINISTRATIVE & STARTUP SUBTOTAL	\$	-
Total							
SITE PREPARATION & DEMOLITION							
Item		Description	Quantity	Unit	Unit Cost	Total Cost	
1		Remove gravel parking, boardwalk, RR ties, signs & rope fence	1	LS	\$	-	
2		Remove Sanitary sewer man and manholes	294	LF	\$	-	
3		Remove storm pipe and structures	198	LF	\$	-	
4		Haul & dispose of debris	1	LS	\$	-	
5		Field staking & layout	1	LS	\$	-	
8		Erosion control	1	LS	\$	-	
9		Temporary/Tree protection fencing	340	LF	\$	-	
10		4" Conduit	600	LF	\$	-	
11		6" Conduit	300	LF	\$	-	
12	SCDOT 203.2.1.2	Unclassified Excavation	50	CY	\$	-	
13		Misc. Site Preparation & Demolition	1	LS	\$	-	
					SITE PREPARATION & DEMOLITION SUBTOTAL	\$	-
WATER DISTRIBUTION SYSTEM							
Item		Description	Quantity		Unit Cost	Total Cost	
1		6" DIP Fire main	60	LF	\$	-	
2		Remote FDC	1	EA	\$	-	
3		2" Water Lateral	920	LF	\$	-	
4		2" Gate Valve & Box	3	EA	\$	-	
5		2" Meter Assembly w/ Backflow Preventor	3	EA	\$	-	
6		1" HDPE Water Lateral	110	LF	\$	-	
7		Exterior Hose Bib	3	EA	\$	-	
8		Misc. Water Distribution System	1	LS	\$	-	
					WATER DISTRIBUTION SYSTEM	\$	-
SANITARY SEWER SYSTEM							
Item		Description	Quantity		Unit Cost	Total Cost	
1		Connect to existing system	2	EA	\$	-	
2		8" PVC Gravity Sewer	405	LF	\$	-	
3		6" PVC Sewer Lateral	187	LF	\$	-	
4		4" PVC Sewer Lateral	111	LF	\$	-	
5		Sanitary Sewer Manholes	3	EA	\$	-	
6		6" Cleanouts	4	EA	\$	-	
7		4" Cleanouts	3	EA	\$	-	
8		Misc. Sanitary Sewer System	1	LS	\$	-	
					SANITARY SEWER SYSTEM SUBTOTAL	\$	-
GRADING & DRAINAGE							
Item		Description	Quantity		Unit Cost	Total Cost	
1		Clearing & Grubbing	6.2	AC	\$	-	
2		Earthwork and Grading Complete	1	LS	\$	-	
3		Select Fill	5000	CY	\$	-	
4		Temporary Grassing	11600	SY	\$	-	
5		Curb & Gutter	795	LF	\$	-	
6		Flush Header Curb	370	LF	\$	-	
7		Storm Manhole	3	EA	\$	-	
8		Grate Inlet	11	EA	\$	-	
9		15" RCP Stormwater Pipe	374	LF	\$	-	
10		18" RCP Stormwater Pipe	461	LF	\$	-	
11		24" RCP Stormwater Pipe	496	LF	\$	-	
12		36" RCP Stormwater Pipe	72	LF	\$	-	
13		Yard Inlets	18	EA	\$	-	
14		6" Perforated HDPE w/ sock	662	LF	\$	-	
15		8" Perforated HDPE w/ sock	28	LF	\$	-	
16		12" HDPE	313	LF	\$	-	

EXHIBIT A: FEE PROPOSAL

A-5 COLIGNY PARK

RFP 2016-0009 - COLIGNY REDEVELOPMENT PROJECT

LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

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4	Upgrade wood at Pavilion per Addendum #4	1	LS	\$ -	\$ -
5	Restroom Building (to 5' line)	1	LS	\$ -	\$ -
6	Misc. Buildings	1	LS	\$ -	\$ -
				BUILDINGS SUBTOTAL	\$ -
SITE CARPENTRY					
Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	Pond pavilion (structure above deck)	1	LS	\$ -	\$ -
2	Pier at Pond pavilion (deck below structure)	400	SF	\$ -	\$ -
3	Boardwalks with Cable Rails	832	SF	\$ -	\$ -
4	On grade boardwalk (by compass rose)	183	SF	\$ -	\$ -
5	On grade boardwalk (along Nassau St)	662	SF	\$ -	\$ -
6	Playground pedestrian bridge & rail	265	SF	\$ -	\$ -
7	Playground 4' gate w/ hardware & knox lock	1	EA	\$ -	\$ -
8	Playground enclosure fence	640	LF	\$ -	\$ -
9	Rope & pile fence	333	LF	\$ -	\$ -
10	Curved tongue & groove wall type 1	201	LF	\$ -	\$ -
11	Curved tongue & groove wall type 2	15	LF	\$ -	\$ -
12	Pile Wall	10	LF	\$ -	\$ -
13	Bulkhead with cable rail	96	LF	\$ -	\$ -
14	Misc. Site Carpentry	1	LS	\$ -	\$ -
				SITE CARPENTRY SUBTOTAL	\$ -
SITE CONSTRUCTION					
Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	Raised planter/seatwall (includes fill)	100	LF	\$ -	\$ -
2	Grand lawn arbor trellises	2	EA	\$ -	\$ -
3	Swing Trellises	2	EA	\$ -	\$ -
4	Circular Arbor Tree	1	LS	\$ -	\$ -
5	Playground gateway arbor	1	LS	\$ -	\$ -
6	Custom Playground Gateway- Secondary Gate Leaf	4	EA	\$ -	\$ -
7	Custom Playground Gateway- Main Gate Leaf	2	EA	\$ -	\$ -
8	Sand playground surface	291	CY	\$ -	\$ -
9	Concrete curb restraint for playground sand	225	LF	\$ -	\$ -
10	Poured in place rubber playground surfacing	3378	SF	\$ -	\$ -
11	Cantilevered deck including post & rope railing	200	SF	\$ -	\$ -
12	Setting Sun Foundation	1	LS	\$ -	\$ -
13	Misc. Site Construction	1	LS	\$ -	\$ -
				SITE CONSTRUCTION SUBTOTAL	\$ -
INTERACTIVE WATER FEATURE					
Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	Interactive fountain (all 3 sections), installed	1	LS	\$ -	\$ -
2	Footwash	1	LS	\$ -	\$ -
3	Misc. Interactive Water Feature	1	LS	\$ -	\$ -
				INTERACTIVE WATER FEATURE SUBTOTAL	\$ -
SIGNAGE					
Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	Discovery Trail Gateway Feature	2	EA	\$ -	\$ -
2	Park ID Signs	4	EA	\$ -	\$ -
3	Building Address Signs (Type D Sign)	4	EA	\$ -	\$ -
4	Park Rules Signs	2	EA	\$ -	\$ -
5	Playground Rules Sign	1	EA	\$ -	\$ -
6	Fountain Rules Sign	1	EA	\$ -	\$ -
7	Interpretive Signs- freestanding	9	EA	\$ -	\$ -
8	Interpretive Signs- Handrail mounted	2	EA	\$ -	\$ -
9	Interpr. Sign w/ Sound Module, Solar panel & 50' cable- Freestanding	1	EA	\$ -	\$ -
10	Park Information Kiosk with map & cabinet	1	EA	\$ -	\$ -
11	Emergency Phone Sign (Type A Sign)	1	EA	\$ -	\$ -
12	Security Camera/WiFi Hotspot Sign (Typ B Sign)	6	EA	\$ -	\$ -
13	No Water Entry Signs (Type C Sign)	4	EA	\$ -	\$ -
14	Electric Car Charging Station Sign (Type E Sign)	1	EA	\$ -	\$ -
15	Pool Emergency Cutoff sign with trip shunt	1	EA	\$ -	\$ -
16	No jumping from bridge sign	2	EA	\$ -	\$ -
17	Swim at your own risk/no lifeguard on duty sign	2	EA	\$ -	\$ -
18	Misc. Signage	1	LS	\$ -	\$ -
				SIGNAGE SUBTOTAL	\$ -
SITE FURNISHINGS					
Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	Shade Umbrella 16'	1	EA	\$ -	\$ -
2	Shade Umbrella 20'	2	EA	\$ -	\$ -
3	Benches with backs	28	EA	\$ -	\$ -
4	Benches without backs	6	EA	\$ -	\$ -

EXHIBIT A: FEE PROPOSAL

A-5 COLIGNY PARK

RFP 2016-0009 - COLIGNY REDEVELOPMENT PROJECT

LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

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55		Ophiopogon japonicus- 4" pot	47	EA		\$	-
56		Pontederia cordata- B.R. (wet mix)	517	EA		\$	-
57		Rosa x 'Meigalpio'- 1 Gal.	13	EA		\$	-
58		Rosmarinus officinalis 'Blue Spires'- 3 Gal.	342	EA		\$	-
59		Sagittaria latifolia- B.R. (wet mix)	517	EA		\$	-
60		Spartina bakeri- 1 Gal.	839	EA		\$	-
61		Saururus cernuus- B.R. (wet mix)	517	EA		\$	-
62		Tripsacum dactyloides 'nana'- 1 Gal.	257	EA		\$	-
63		Tulbaghia violacea- 1 Gal.	244	EA		\$	-
64		Pinestraw Mulch	91610	SF		\$	-
65		Cynodon dactylon 'Celebration' Sod	119827	SF		\$	-
66		Fine Grading- turf areas & plant beds	211437	SF		\$	-
67	SCDOT 8102300	Permanent Grassing- Common Bermuda Seed	7892	SY		\$	-
68		Misc. Landscaping, Mulch & Turf	1	LS		\$	-
					LANDSCAPING, MULCH & TURF SUBTOTAL	\$	-
IRRIGATION SYSTEM							
Item		Description	Quantity			Unit Cost	Total Cost
1		Hunter PROS-06-PRS30, spray nozzle, swing pipe, lateral fittings, installed, adjusted	20	EA		\$	-
2		Hunter PROS-06-PRS30, MP rotator nozzle, swing pipe, lateral fittings, installed, adjusted	370	EA		\$	-
3		Hunter PROS-12-PRS30, MP rotator nozzle, swing pipe, lateral fittings, installed, adjusted	546	EA		\$	-
4		Hunter I-20-04-SS, swing pipe, lateral fitting, installed, adjusted	79	EA		\$	-
5		RainBird 100-PEB 1" control valve, mainline fittings, valve box, wire splice, installed, adjusted	8	EA		\$	-
6		RainBird 150-PEB 1-1/2" mainline fittings, valve box, wire splice, installed, adjusted	25	EA		\$	-
7		RainBird 33-DLRC 3/4", mainline fitting, 1" swing joint, 10" valve box, gravel, installed	5	EA		\$	-
8		RainBird LXD 2 Wire controller, wall mount, conduit, power to controller, installed, programmed	1	EA		\$	-
9		RainBird WR2-RC wireless rain sensor, installed & programmed	1	EA		\$	-
10		RainBird 14 GA Maxi Cable, installed	4300	LF		\$	-
11		1" PVC electrical conduit, installed	4300	LF		\$	-
12		RainBird FD-101 decoder, installed, wire splice connectors, programmed into controller	15	EA		\$	-
13		RainBird FD-202 decoder, installed, wire splice connectors, programmed into controller	10	EA		\$	-
14		RainBird FD-401 decoder, installed, wire splice connectors, programmed into controller	3	EA		\$	-
15		RainBird SD-210 sensor decoder, installed, wire splice connectors, programmed into controller	1	EA		\$	-
16		CST Flow Sensor, 1-1/2", installed, Hunter Sensor Decoder, valve box	1	EA		\$	-
17		Superior 3100 1-1/2" Master Valve, installed, fittings to mainline pipe, valve box, decoder	1	EA		\$	-
18		RainBird XCV-100-PRB-COM 1" drip control valve kit, installed, fittings to mainline, jumbo valve box, wire splices, gravel, adjusted	13	EA		\$	-
19		RainBird XFCV-06-12 inline drip tubing, fittings, stakes, installed, flushed, tested	13000	LF		\$	-
20		Flush Valve for inline drip tubing, installed, valve box	13	EA		\$	-
21		RainBird OPERIND Drip operation indicator for inline drip tubing, installed	13	EA		\$	-
22		RainBird SXB-1032 drip bubbler, installed	1	EA		\$	-
23		RainBird XFCV-06-12 Drip Tree rings with swing pipe, lateral fittings, installed	10	EA		\$	-
24		2" Bronze gate valve, valve box, gravel, installed	10	EA		\$	-
25		installed	8	EA		\$	-
26		Controller grounding point, installed as per detail	1	EA		\$	-
27		1" SDR 21 bell end lateral pipe and fittings, installed	21400	LF		\$	-
28		1.5" SDR 21 bell end lateral pipe and fittings, installed	1400	LF		\$	-
29		2" SDR 21 bell end lateral pipe and fittings, installed	100	LF		\$	-
30		1-1/2" SCH 40 bell end mainline pipe and fittings, installed	140	LF		\$	-
31		2" SCH 40 bell end mainline pipe and fittings, installed	3700	LF		\$	-
32		2.5" SCH 40 bell end mainline pipe and fittings, installed	20	LF		\$	-
33		4" SCH 40 PVC bell end sleeve, installed	2000	LF		\$	-
34		2" Water meter, installed, permits and fees	1	LS		\$	-
35		Watts 007 Double Check Valve backflow preventer, piping, valve box, installed	1	EA		\$	-
36		Misc. Irrigation System	1	LS		\$	-
					IRRIGATION SYSTEM SUBTOTAL	\$	-
					TOTAL FEE PARK ONLY	\$	-

EXHIBIT A: FEE PROPOSAL

A-6: Project D - Lagoon Pope Intersection

NIGHT TIME (7 PM TO 7 AM WORK HOURS)

RFP 2016-0009 - COLIGNY AREA IMPROVEMENTS

LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

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ITEM	SPEC. NO.		DESCRIPTION	QUANTITY		COST	
	SCDOT OR SPEC	PROV		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
MISCELLANEOUS							
Item		Description	Quantity		Unit Cost	Total Cost	
D-M1	1031000	Mobilization	1	ls	\$	-	
D-M2	1050800	Construction Staking, Lines and Grades	1	ls	\$	-	
D-M3	SC-3	As-Built Survey	1	ls	\$	-	
D-M4	1071000	Traffic Control	1	ls	\$	-	
D-M5	6271010	4" White Solid Lines Thermoplastic - 90 mil.	795	lf	\$	-	
D-M6	6271020	12" White Solid Lines - Thermo. - 125 mil.	661	lf	\$	-	
D-M7	6271025	24" White Solid Lines (Stop/Diag Lines) - Thermo. - 125 mil.	114	lf	\$	-	
D-M8	6271030	White Single Arrows (LT, STRGHT, RT) Thermo. - 125 mil.	12	ea	\$	-	
D-M9	6271035	White Word Message "ONLY" - Thermoplastic - 125 mil.	2	ea	\$	-	
D-M10	6271040	White Combination Arrows (Str&Rt.) Thermo. - 125 mil.	2	ea	\$	-	
D-M11	6271074	4" Yellow Solid Lines Thermoplastic - 90 mil.	600	lf	\$	-	
D-M12	675027G	Furnish & Install 4.0" Schedule 80 PVC Conduit	400	lf	\$	-	
D-M13	675027O	Furnish & Install 6.0" Schedule 80 PVC Conduit	400	lf	\$	-	
D-M17	101453	18" Stop Sign & Post	3	ea	\$	-	
D-M18	101453	18" Yield Sign & Post	2	ea	\$	-	
D-M19	7204900	Detectable Warning Surface (Chocolate Brown)	284	sf	\$	-	
					MISCELLANEOUS SUBTOTAL	\$	-
DEMOLITION							
Item		Description	Quantity		Unit Cost	Total Cost	
D-D1	2021000	Removal of Structures & Obstructions	1	ls	\$	-	
D-D2	2023000	Remove Existing Sidewalks, Pavement and Base	740	sy	\$	-	
D-D3	2024100	Remove Existing Curb & Gutter	540	lf	\$	-	
					DEMOLITION SUBTOTAL	\$	-
STORM DRAINAGE							
Item		Description	Quantity		Unit Cost	Total Cost	
D-SD1	7143618	18" RCP Stormwater Pipe	266	lf	\$	-	
D-SD2	7143624	24" RCP Stormwater Pipe	328	lf	\$	-	
D-SD3	7191605	Catch Basin - Type 16	4	ea	\$	-	
D-SD4	7192105	Storm Manhole	3	ea	\$	-	
					STORM DRAINAGE SUBTOTAL	\$	-
EARTHWORK							
Item		Description	Quantity		Unit Cost	Total Cost	
D-E1	9520305	Earthwork and Grading Complete	1	ls	\$	-	
					EARTHWORK SUBTOTAL	\$	-
CONCRETE							
Item		Description	Quantity		Unit Cost	Total Cost	
D-C1	72003110	18" Curb & Gutter (Standard)	333	lf	\$	-	
D-C2	72003210	24" Curb & Gutter (Standard)	1160	lf	\$	-	
					CONCRETE SUBTOTAL	\$	-
PAVING							
Item		Description	Quantity		Unit Cost	Total Cost	
D-P1	3050108	Graded Aggregate Base Course	910	sy	\$	-	
D-P2	4011004	Liquid Asphalt Binder PG64-22	46	tn	\$	-	
D-P3	4013990	Mill Existing Asphalt Pavement - Variable	2375	sy	\$	-	
D-P4	4030310	Hot Mix Asphalt Intermediate Course Type A	91	tn	\$	-	
D-P5	4030320	Hot Mix Asphalt Surface Course Type B	629	tn	\$	-	
D-P6	4030360	Hot Mix Asphalt Surface Course Type E (Leveling)	121	tn	\$	-	
D-P7	4039030	Traffic Pattern XD	321	sy	\$	-	
D-P8	321316	4" Thick Concrete Sidewalk/Pathway	285	sy	\$	-	
					PAVING SUBTOTAL	\$	-
EROSION AND SEDIMENT CONTROLS							
Item		Description	Quantity		Unit Cost	Total Cost	
D-EC1	8100200	Temporary Cover	0.43	ac	\$	-	
D-EC2	8152004	Inlet Structure Filter - Type F (Weighted)	2	ea	\$	-	
D-EC3	8153000	Silt Fence	710	lf	\$	-	
D-EC4	8153090	Replace/Repair Silt Fence	355	lf	\$	-	
D-EC5	8156200	Cleaning Inlet Structure Filters	12	ea	\$	-	
D-EC6	8156211	Inlet Structure Filter - Type E (Catch Basin Type 1)	6	ea	\$	-	
D-EC7	8156219	Inlet Structure Filter - Type A	4	lf	\$	-	
D-EC8	8156490	Stabilized Construction Entrance	270	sy	\$	-	
					EROSION SUBTOTAL	\$	-

EXHIBIT A: FEE PROPOSAL
A-6: Project D - Lagoon Pope Intersection
NIGHT TIME (7 PM TO 7 AM WORK HOURS)
RFP 2016-0009 - COLIGNY AREA IMPROVEMENTS
LIST OF ESTIMATED QUANTITIES / UNIT COST BID SCHEDULE

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ITEM	SPEC. NO.		DESCRIPTION	QUANTITY		COST	
	SCDOT OR SPEC	PROV		NUMBER OF UNITS	UNIT MEASURE	PER UNIT	TOTAL COST
MAST-ARM TRAFFIC SIGNAL							
Item			Description	Quantity		Unit Cost	Total Cost
D-TS1	SC-4		Mast-Arm Traffic Signal Installation	1	Is	\$	-
				MAST-ARM TRAFFIC SIGNAL SUBTOTAL		\$	-
TOTAL FEE (PROJECT D ONLY)						\$	-
				<i>NIGHT (WORK HOURS 7 PM - 7 AM)</i>		\$	-

SECTION 014000 – QUALITY REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for quality assurance and quality control.
- B. Testing and inspecting services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.
 - 1. Specific quality-assurance and -control requirements for individual construction activities are specified in the Sections that specify those activities. Requirements in those Sections may also cover production of standard products.
 - 2. Specified tests, inspections, and related actions do not limit Contractor's other quality-assurance and -control procedures that facilitate compliance with the Contract Document requirements.
 - 3. Requirements for Contractor to provide quality-assurance and -control services required by Architect, Owner, Commissioning Authority, or authorities having jurisdiction are not limited by provisions of this Section.
 - 4. Specific test and inspection requirements are not specified in this Section.
- C. Testing Services required by this Section, identified as "ICC CBI" and "SI" in the Schedule of Special Inspection Services and Special Inspections for Seismic shall be provided by the Owner.
 - a. Testing Agent: To be determined

1.3 DEFINITIONS

- A. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work to guard against defects and deficiencies and substantiate that proposed construction will comply with requirements.
- B. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work to evaluate that actual products incorporated into the Work and completed construction comply with requirements. Services do not include contract enforcement activities performed by Architect.
- C. Mockups: Full-size physical assemblies that are constructed on-site. Mockups are constructed to verify selections made under Sample submittals; to demonstrate aesthetic effects and, where indicated, qualities of materials and execution; to review coordination, testing, or operation; to show interface between dissimilar materials; and to demonstrate compliance with specified installation tolerances. Mockups are not Samples. Unless otherwise indicated, approved mockups establish the standard by which the Work will be judged.

1. Integrated Exterior Mockups: Mockups of the exterior envelope erected separately from the building but on Project site, consisting of multiple products, assemblies, and subassemblies.
- D. Preconstruction Testing: Tests and inspections performed specifically for Project before products and materials are incorporated into the Work, to verify performance or compliance with specified criteria.
- E. Product Testing: Tests and inspections that are performed by an NRTL, an NVLAP, or a testing agency qualified to conduct product testing and acceptable to authorities having jurisdiction, to establish product performance and compliance with specified requirements.
- F. Source Quality-Control Testing: Tests and inspections that are performed at the source, e.g., plant, mill, factory, or shop.
- G. Field Quality-Control Testing: Tests and inspections that are performed on-site for installation of the Work and for completed Work.
- H. Testing Agency: An entity engaged to perform specific tests, inspections, or both. Testing laboratory shall mean the same as testing agency.
- I. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, Subcontractor, or Sub-subcontractor, to perform a particular construction operation, including installation, erection, application, and similar operations.
 1. Use of trade-specific terminology in referring to a trade or entity does not require that certain construction activities be performed by accredited or unionized individuals, or that requirements specified apply exclusively to specific trade(s).
- J. Experienced: When used with an entity or individual, "experienced" means having successfully completed a minimum of five previous projects similar in nature, size, and extent to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

1.4 CONFLICTING REQUIREMENTS

- A. Referenced Standards: If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer conflicting requirements that are different, but apparently equal, to Architect for a decision before proceeding.
- B. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements. Refer uncertainties to Architect for a decision before proceeding.

1.5 ACTION SUBMITTALS

- A. Shop Drawings: For integrated exterior mockups, provide plans, sections, and elevations, indicating materials and size of mockup construction.
 1. Indicate manufacturer and model number of individual components.

2. Provide axonometric drawings for conditions difficult to illustrate in two dimensions.

1.6 INFORMATIONAL SUBMITTALS

- A. Contractor's Quality-Control Plan: For quality-assurance and quality-control activities and responsibilities.
- B. Qualification Data: For Contractor's quality-control personnel.
- C. Contractor's Statement of Responsibility: When required by authorities having jurisdiction, submit copy of written statement of responsibility sent to authorities having jurisdiction before starting work on the following systems:
 1. Seismic-force-resisting system, designated seismic system, or component listed in the designated seismic system quality-assurance plan prepared by Architect.
 2. Main wind-force-resisting system or a wind-resisting component listed in the wind-force-resisting system quality-assurance plan prepared by Architect.
- D. Testing Agency Qualifications: For testing agencies specified in "Quality Assurance" Article to demonstrate their capabilities and experience. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.
- E. Schedule of Tests and Inspections: Prepare in tabular form and include the following:
 1. Specification Section number and title.
 2. Entity responsible for performing tests and inspections.
 3. Description of test and inspection.
 4. Identification of applicable standards.
 5. Identification of test and inspection methods.
 6. Number of tests and inspections required.
 7. Time schedule or time span for tests and inspections.
 8. Requirements for obtaining samples.
 9. Unique characteristics of each quality-control service.

1.7 CONTRACTOR'S QUALITY-CONTROL PLAN

- A. Quality-Control Plan, General: Submit quality-control plan within 10 days of Notice to Proceed, and not less than five days prior to preconstruction conference. Submit in format acceptable to Architect. Identify personnel, procedures, controls, instructions, tests, records, and forms to be used to carry out Contractor's quality-assurance and quality-control responsibilities. Coordinate with Contractor's construction schedule.
- B. Quality-Control Personnel Qualifications: Engage qualified full-time personnel trained and experienced in managing and executing quality-assurance and quality-control procedures similar in nature and extent to those required for Project.
 1. Project quality-control manager may also serve as Project superintendent shall not have other Project responsibilities.
- C. Submittal Procedure: Describe procedures for ensuring compliance with requirements through review and management of submittal process. Indicate qualifications of personnel responsible for submittal review.

- D. Testing and Inspection: In quality-control plan, include a comprehensive schedule of Work requiring testing or inspection, including the following:
1. Contractor-performed tests and inspections including subcontractor-performed tests and inspections. Include required tests and inspections and Contractor-elected tests and inspections.
 2. Special inspections required by authorities having jurisdiction and indicated on the "Statement of Special Inspections."
 3. Owner-performed tests and inspections indicated in the Contract Documents, including tests and inspections indicated to be performed by the Commissioning Authority.
- E. Continuous Inspection of Workmanship: Describe process for continuous inspection during construction to identify and correct deficiencies in workmanship in addition to testing and inspection specified. Indicate types of corrective actions to be required to bring work into compliance with standards of workmanship established by Contract requirements and approved mockups.
- F. Monitoring and Documentation: Maintain testing and inspection reports including log of approved and rejected results. Include work Architect has indicated as nonconforming or defective. Indicate corrective actions taken to bring nonconforming work into compliance with requirements. Comply with requirements of authorities having jurisdiction.

1.8 REPORTS AND DOCUMENTS

- A. Test and Inspection Reports: Prepare and submit certified written reports specified in other Sections. Include the following:
1. Date of issue.
 2. Project title and number.
 3. Name, address, and telephone number of testing agency.
 4. Dates and locations of samples and tests or inspections.
 5. Names of individuals making tests and inspections.
 6. Description of the Work and test and inspection method.
 7. Identification of product and Specification Section.
 8. Complete test or inspection data.
 9. Test and inspection results and an interpretation of test results.
 10. Record of temperature and weather conditions at time of sample taking and testing and inspecting.
 11. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
 12. Name and signature of laboratory inspector.
 13. Recommendations on retesting and reinspecting.
- B. Manufacturer's Technical Representative's Field Reports: Prepare written information documenting manufacturer's technical representative's tests and inspections specified in other Sections. Include the following:
1. Name, address, and telephone number of technical representative making report.
 2. Statement on condition of substrates and their acceptability for installation of product.
 3. Statement that products at Project site comply with requirements.
 4. Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
 5. Results of operational and other tests and a statement of whether observed performance complies with requirements.

6. Statement whether conditions, products, and installation will affect warranty.
 7. Other required items indicated in individual Specification Sections.
- C. Factory-Authorized Service Representative's Reports: Prepare written information documenting manufacturer's factory-authorized service representative's tests and inspections specified in other Sections. Include the following:
1. Name, address, and telephone number of factory-authorized service representative making report.
 2. Statement that equipment complies with requirements.
 3. Results of operational and other tests and a statement of whether observed performance complies with requirements.
 4. Statement whether conditions, products, and installation will affect warranty.
 5. Other required items indicated in individual Specification Sections.
- D. Permits, Licenses, and Certificates: For Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of the Work.

1.9 QUALITY ASSURANCE

- A. General: Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.
- B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- C. Fabricator Qualifications: A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- D. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.
- E. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that are similar in material, design, and extent to those indicated for this Project.
- F. Specialists: Certain Specification Sections require that specific construction activities shall be performed by entities who are recognized experts in those operations. Specialists shall satisfy qualification requirements indicated and shall be engaged for the activities indicated.
1. Requirements of authorities having jurisdiction shall supersede requirements for specialists.
- G. Testing Agency Qualifications: An NRTL, an NVLAP, or an independent agency with the experience and capability to conduct testing and inspecting indicated, as documented according to ASTM E 329; and with additional qualifications specified in individual Sections; and, where required by authorities having jurisdiction, that is acceptable to authorities.

1. NRTL: A nationally recognized testing laboratory according to 29 CFR 1910.7.
 2. NVLAP: A testing agency accredited according to NIST's National Voluntary Laboratory Accreditation Program.
- H. Manufacturer's Technical Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to observe and inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- I. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved by manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- J. Preconstruction Testing: Where testing agency is indicated to perform preconstruction testing for compliance with specified requirements for performance and test methods, comply with the following:
1. Contractor responsibilities include the following:
 - a. Provide test specimens representative of proposed products and construction.
 - b. Submit specimens in a timely manner with sufficient time for testing and analyzing results to prevent delaying the Work.
 - c. Provide sizes and configurations of test assemblies, mockups, and laboratory mockups to adequately demonstrate capability of products to comply with performance requirements.
 - d. Build site-assembled test assemblies and mockups using installers who will perform same tasks for Project.
 - e. Build laboratory mockups at testing facility using personnel, products, and methods of construction indicated for the completed Work.
 - f. When testing is complete, remove test specimens, assemblies, and mockups; do not reuse products on Project.
 2. Testing Agency Responsibilities: Submit a certified written report of each test, inspection, and similar quality-assurance service to Architect and Commissioning Authority, with a copy to the Contractor. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.
- K. Mockups: Before installing portions of the Work requiring mockups, build mockups for each form of construction and finish required to comply with the following requirements, using materials indicated for the completed Work:
1. Build mockups in location and of size indicated or, if not indicated, as directed by Architect or Owner.
 2. Notify Architect seven days in advance of dates and times when mockups will be constructed.
 3. Employ supervisory personnel who will oversee mockup construction. Employ workers that will be employed during the construction at Project.
 4. Demonstrate the proposed range of aesthetic effects and workmanship.
 5. Obtain Architect's approval of mockups before starting work, fabrication, or construction.
 - a. Allow seven days for initial review and each re-review of each mockup.

6. Maintain mockups during construction in an undisturbed condition as a standard for judging the completed Work.
7. Demolish and remove mockups when directed unless otherwise indicated.

L. Integrated Exterior Mockups: Construct integrated exterior mockup according to approved Shop Drawings. Coordinate installation of exterior envelope materials and products for which mockups are required in individual Specification Sections, along with supporting materials.

1.10 QUALITY CONTROL

A. Owner Responsibilities: Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services.

1. Owner will furnish Contractor with names, addresses, and telephone numbers of testing agencies engaged and a description of types of testing and inspecting they are engaged to perform.
2. Payment for these services will be borne by the Owner.
3. Costs for retesting and reinspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents will be charged to Contractor, and the Contract Sum will be adjusted by Change Order.

B. Contractor Responsibilities: Tests and inspections not explicitly assigned to Owner or the Owner's Testing Agent are Contractor's responsibility. Perform additional quality-control activities required to verify that the Work complies with requirements, whether specified or not.

1. Unless otherwise indicated, provide quality-control services specified and those required by authorities having jurisdiction. Perform quality-control services required of Contractor by authorities having jurisdiction, whether specified or not.
2. Where services are indicated as Contractor's responsibility, engage a qualified testing agency to perform these quality-control services.
 - a. Contractor shall not employ same entity engaged by Owner, unless agreed to in writing by Owner.
3. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspecting will be performed.
4. Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality-control service.
5. Testing and inspecting requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
6. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.

C. Manufacturer's Field Services: Where indicated, engage a factory-authorized service representative to inspect field-assembled components and equipment installation, including service connections. Report results in writing as specified in Section 013300 "Submittal Procedures."

D. Manufacturer's Technical Services: Where indicated, engage a manufacturer's technical representative to observe and inspect the Work. Manufacturer's technical representative's services include participation in preinstallation conferences, examination of substrates and conditions, verification of materials, observation of Installer activities, inspection of completed portions of the Work, and submittal of written reports.

- E. Retesting/Reinspecting: Regardless of whether original tests or inspections were Contractor's responsibility, provide quality-control services, including retesting and reinspecting, for construction that replaced Work that failed to comply with the Contract Documents.
- F. Testing Agency Responsibilities: Cooperate with Architect, Commissioning Authority, and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.
 - 1. Notify Architect, Commissioning Authority, and Contractor promptly of irregularities or deficiencies observed in the Work during performance of its services.
 - 2. Determine the location from which test samples will be taken and in which in-situ tests are conducted.
 - 3. Conduct and interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
 - 4. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through Contractor.
 - 5. Do not release, revoke, alter, or increase the Contract Document requirements or approve or accept any portion of the Work.
 - 6. Do not perform any duties of Contractor.
- G. Associated Services: Cooperate with agencies performing required tests, inspections, and similar quality-control services, and provide reasonable auxiliary services as requested. Notify agency sufficiently in advance of operations to permit assignment of personnel. Provide the following:
 - 1. Access to the Work.
 - 2. Incidental labor and facilities necessary to facilitate tests and inspections.
 - 3. Adequate quantities of representative samples of materials that require testing and inspecting. Assist agency in obtaining samples.
 - 4. Facilities for storage and field curing of test samples.
 - 5. Delivery of samples to testing agencies.
 - 6. Preliminary design mix proposed for use for material mixes that require control by testing agency.
 - 7. Security and protection for samples and for testing and inspecting equipment at Project site.
- H. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and -control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.
 - 1. Schedule times for tests, inspections, obtaining samples, and similar activities.
- I. Schedule of Tests and Inspections: Prepare a schedule of tests, inspections, and similar quality-control services required by the Contract Documents as a component of Contractor's quality-control plan. Coordinate and submit concurrently with Contractor's construction schedule. Update as the Work progresses.
 - 1. Distribution: Distribute schedule to Owner, Architect, Commissioning Authority, testing agencies, and each party involved in performance of portions of the Work where tests and inspections are required.

1.11 SPECIAL TESTS AND INSPECTIONS

- A. Special Tests and Inspections: Owner will engage a qualified special inspector to conduct special tests and inspections required by authorities having jurisdiction as the responsibility of Owner, and as follows:
1. Verifying that manufacturer maintains detailed fabrication and quality-control procedures and reviews the completeness and adequacy of those procedures to perform the Work.
 2. Notifying Architect, Commissioning Authority, and Contractor promptly of irregularities and deficiencies observed in the Work during performance of its services.
 3. Submitting a certified written report of each test, inspection, and similar quality-control service to Architect and Commissioning Authority with copy to Contractor and to authorities having jurisdiction.
 4. Submitting a final report of special tests and inspections at Substantial Completion, which includes a list of unresolved deficiencies.
 5. Interpreting tests and inspections and stating in each report whether tested and inspected work complies with or deviates from the Contract Documents.
 6. Retesting and reinspecting corrected work.
 7. See Schedule of Special Inspection Services at the end of this section. Provide Special Inspections in accordance with the International Building Code, Chapter 17.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 ACCEPTABLE TESTING AGENCIES

- A. As directed by the Town of Hilton Head Island

3.2 TEST AND INSPECTION LOG

- A. Test and Inspection Log: Prepare a record of tests and inspections. Include the following:
1. Date test or inspection was conducted.
 2. Description of the Work tested or inspected.
 3. Date test or inspection results were transmitted to Architect.
 4. Identification of testing agency or special inspector conducting test or inspection.
- B. Maintain log at Project site. Post changes and revisions as they occur. Provide access to test and inspection log for Architect's and Commissioning Authority's reference during normal working hours.

3.3 REPAIR AND PROTECTION

- A. General: On completion of testing, inspecting, sample taking, and similar services, repair damaged construction and restore substrates and finishes.
1. Provide materials and comply with installation requirements specified in other Specification Sections or matching existing substrates and finishes. Restore patched areas and extend restoration into adjoining areas with durable seams that are as invisible as possible. Comply with the Contract Document requirements for cutting and patching in Section 017300 "Execution."
- B. Protect construction exposed by or for quality-control service activities.

- C. Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

3.4 SCHEDULE OF SPECIAL INPSECTIONS

- A. Refer to the attached Schedule.

END OF SECTION 014000

Schedule of Inspections and Testing

Project Name Coligny Park

WTS Project Number: 1406

**Legend: A/E = Architect / Engineer; AHJ = Authority Having Jurisdiction; SI = ICC Special Inspector; C= Contractor; Fab = Fabricator; O = Other (see remarks); Sect = Project Manual Spec Section; IBC = International Building Code; IFC = International Fire Code; IMC = International Mechanical Code; IPC = International Plumbing Code; Per = Periodic; Cont. = Continuous
ICC CBI = ICC Certified Building Inspector**

Schedule of Inspections and testing						
Required	IBC Chapter 1 Building Inspections					
Material	Type of Inspection or Test	Reference	Inspected By ¹	Frequency ¹		Notes
Yes	Footing or foundation and Pile inspection	IBC 109	ICC CBI	Per		
Yes	Concrete slab or under-floor inspection	IBC 109	ICC CBI	Per		
Yes	Lowest floor elevation	IBC 109	ICC CBI	Per		
Yes	Frame Inspections	IBC 109	ICC CBI	Per		
Yes	Lath or gypsum board inspection	IBC 109	ICC CBI	Per		
Yes	Fire-resistant penetrations	IBC 109	ICC CBI	Per		
Yes	Energy efficiency Envelope	IBC 109 & ASHRAE 90.1	ICC CBI	Per		
Yes	Energy efficiency Water Heating	IBC 109 & ASHRAE 90.1	ICC CBI	Per		
Yes	Energy efficiency HVAC	IBC 109 & ASHRAE 90.1	ICC CBI	Per		
Yes	Energy efficiency Lighting	IBC 109 & ASHRAE 90.1	ICC CBI	Per		
Yes	Inspection of fill	IBC 109	ICC CBI	Per		
Yes	Foundation and Pile inspection	IBC 109	ICC CBI	Per		
OSE	Final Inspection	IBC 109	ICC CBI	Per		
Yes	Mechanical Underground	IMC 107	ICC CBI	Per		
Yes	Mechanical Rough-in	IMC 107	ICC CBI	Per		
OSE	Final Inspection	IMC 107	ICC CBI	Per		
Yes	Plumbing Underground	IPC 107	ICC CBI	Per		
Yes	Plumbing Rough-in	IPC 107	ICC CBI	Per		
OSE	Final Inspection	IPC 107	ICC CBI	Per		
Yes	Electrical Underground	NEC	ICC CBI	Per		
Yes	Electrical Rough-in	NEC	ICC CBI	Per		
OSE	Final Inspection	NEC	ICC CBI	Per		

Schedule of Inspections and Testing

Schedule of Inspections and testing						
IBC Chapter 17 Special Inspections						
Fabricators		IBC 1704.2			Estimated Quantity ²	
Material	Type of Inspection or Test	Reference	Inspected By ¹	Frequency ¹		Notes
None	Metal Building Fabrication: Verify Fabrication/Quality Control Procedures	IBC 1704.2	SI	Per		6
None	Pre-Cast Concrete Fabrication: Verify Fabrication/Quality Control Procedures	IBC 1704.2	SI	Per		5, 6
None	Pre-Fabricated Trusses: Verify Fabrication/Quality Control Procedures	IBC 1704.2	SI	Per		5, 6
None	Steel Bar joist Fabrication: Verify Fabrication/Quality Control Procedures	IBC 1704.2	SI	Per		5, 6
STEEL		AISC 360	SI			
No	Material verification of high-strength bolts, nuts & washers:	AISC 360	SI			5
No	Identification markings to conform to ASTM standards specified in the approved construction documents.	AISC 360	SI	Per	2	5
No	Manufacturer's certificate of compliance required.	AISC 360	SI	Per	1	5
Yes	Inspection of high-strength bolting:	AISC 360	SI			5
Yes	Bearing-type connections.	AISC 360	SI	Per	10%	5
No	Slip-critical connections.	AISC 360	SI	Per	10%	5
Yes	Material verification of structural steel:	AISC 360	SI			5
Yes	Identification markings to conform to ASTM standards specified in the approved construction documents.	AISC 360	SI	Per	2	5
Yes	Manufacturer's certified mill test reports.	AISC 360	SI	Per	1	5
Yes	Material verification of weld filler materials:	AISC 360	SI			5
Yes	Identification markings to conform to AWS specification in the approved construction documents.	AISC 360	SI	Per	1	5
Yes	Manufacturer's certificate of compliance required.	AISC 360	SI	Per	1	5
Yes	Inspection of welding:	AISC 360	SI			5
Yes	Structural steel - complete & partial penetration groove welds.	AISC 360	SI	Cont.	See Plans	5
Yes	Structural steel - multipass fillet welds.	AISC 360	SI	Cont.	See Plans	5
Yes	Structural steel - single-pass fillet welds > 5/16".	AISC 360	SI	Cont.	See Plans	5
Yes	Structural steel - single-pass fillet welds ≤ 5/16".	AISC 360	SI	Per	10%	5
No	Structural steel - floor & deck welds.	AISC 360	SI	Per	20%	5
No	Reinforcing steel - verification of weldability of reinforcing steel other than ASTM A 706.	AISC 360	SI	Per	N/A	5

Schedule of Inspections and Testing

Schedule of Inspections and testing						
None	Reinforcing steel-resisting flexural & axial forces in intermediate & special moment frames, & boundary elements of special reinforced concrete shear walls & shear reinforcement.	AISC 360	SI	Cont.		5
None	Reinforcing steel - shear reinforcement.	AISC 360	SI	Cont.		5
Yes	Reinforcing steel - other reinforcing steel.	AISC 360	SI	Per		5
Yes	Inspection of steel frame joint details for compliance with approved construction documents:	AISC 360	SI			5
Yes	Details such as bracing & stiffening.	AISC 360	SI	Per	50%	5
Yes	Member locations.	AISC 360	SI	Per		5
Yes	Application of joint details at each connection.	AISC 360	SI	Per	10%	5
STEEL	SEISMIC	AISC 341				
Yes	Inspection of structural welding in accordance with AISC Seismic Provisions (Moment Frames and Bracing)	AISC 341	SI	Cont.	See Plans	5
STEEL	SEISMIC	AISC 341				
Yes	Ultrasonic test for discontinuities behind an adjacent to welds with base metal thicker than 1.5 inches where subject to through-thickness weld shrinkage strains (Moment Frames and Bracing)	AISC 341	SI	Cont.	See Plans	5
CONCRETE		Table 1705.3	SI			
Yes	Inspection of reinforcing steel, including prestressing tendons, & placement.	Table 1705.3	SI	Per	Before Each Pour	5
None	Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B.	Table 1705.3	SI		N/A	5
Yes	Inspect bolts to be installed in concrete prior to & during placement of concrete where allowable loads have been increased.	Table 1705.3	SI	Cont.	Before Each Pour	5
Yes	Verifying use of required design mix.	Table 1705.3	SI	Per	See Specs	5
Yes	At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump & air content tests, & determine the temperature of the concrete.	Table 1705.3	SI	Cont.	See Specs	5
Yes	Inspection of concrete & shotcrete placement for proper application techniques.	Table 1705.3	SI	Cont.	See Specs	5
Yes	Inspection for maintenance of specified curing temperature & techniques.	Table 1705.3	SI	Per	At Each Pour	5
None	Inspection of prestressed concrete:	Table 1705.3	SI		N/A	5
None	Application of prestressing forces.	Table 1705.3	SI	Cont.	N/A	5
None	Grouting of bonded prestressing tendons in the seismic-force resisting system.	Table 1705.3	SI	Cont.	N/A	5
None	Erection of precast concrete members.	Table 1705.3	SI	Per	During Erection	5

Schedule of Inspections and Testing

Schedule of Inspections and testing						
None	Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete & prior to removal of shores & forms from beams & structural slabs.	Table 1705.3	SI	Per	NA	5
MASONRY	Level 1	IBC 1705.4	SI			5
Yes	As masonry construction begins, the following shall be verified to ensure compliance:	IBC 1705.4	SI			5
Yes	Proportions of site-prepared mortar.	IBC 1705.4	SI	Per	Each Week	5
Yes	Construction of mortar joints.	IBC 1705.4	SI	Per	Each Day	5
Yes	Location of reinforcement & connectors.	IBC 1705.4	SI	Per	Each Day	5
None	Prestressing technique.	IBC 1705.4	SI	Per	N/A	5
None	Grade & size of prestressing tendons & anchorages.	IBC 1705.4	SI	Per	N/A	5
Yes	The inspection program shall verify:	IBC 1705.4	SI			5
Yes	Size & location of structural elements.	IBC 1705.4	SI	Per	Each Day	5
Yes	Type, size & location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	IBC 1705.4	SI	Per	Each Day	5
Yes	Specified size, grade & type of reinforcement.	IBC 1705.4	SI	Per	Each Day	5
None	Welding of reinforcing bars.	IBC 1705.4	SI	Cont.	N/A	5
Yes	Protection of masonry during cold weather (temperature below 40-degrees F) or hot weather (temperature above 90-degrees F).	IBC 1705.4	SI	Per		5
None	Application & measurement of prestressing force.	IBC 1705.4	SI	Per	N/A	5
Yes	Prior to grouting, the following shall be verified to ensure compliance:	IBC 1705.4	SI			5
Yes	Grout space is clean.	IBC 1705.4	SI	Cont.	Each Day	5
Yes	Placement of reinforcement & connectors & prestressing tendons & anchorages.	IBC 1705.4	SI	Cont.	Each Day	5
None	Proportions of site-prepared grout & prestressing grout for bonded tendons.	IBC 1705.4	SI	Per	N/A	5
Yes	Construction of mortar joints.	IBC 1705.4	SI	Cont.	Each Day	5
Yes	Grout placement shall be verified to ensure compliance with code & construction document provisions.	IBC 1705.4	SI	Cont.	Each Pour	5
None	Grouting of prestressing bonded tendons.	IBC 1705.4	SI	Cont.	N/A	5
Yes	Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	IBC 1705.4	SI	Cont.	See Specs	5
Yes	Compliance with required inspection provisions of the construction documents & the approved submittals shall be verified.	IBC 1705.4	SI	Per	See Specs	5
MASONRY	Level 2	IBC 1705.4	SI			

Schedule of Inspections and Testing

Schedule of Inspections and testing						
None	From the beginning of masonry construction, the following shall be verified to ensure compliance:	IBC 1705.4	SI			5
None	Proportions of site-prepared mortar, grout & prestressing grout for bonded tendons.	IBC 1705.4	SI	Per		5
None	Placement of masonry units & construction of mortar joints.	IBC 1705.4	SI	Per		5
None	Placement of reinforcement, connectors & prestressing tendons & anchorages.	IBC 1705.4	SI	Per		5
None	Grout space prior to grouting.	IBC 1705.4	SI	Cont.		5
None	Placement of grout.	IBC 1705.4	SI	Cont.		5
None	Placement of prestressing grout.	IBC 1705.4	SI	Cont.		5
None	The inspection program shall verify:	IBC 1705.4	SI			5
None	Size & location of structural elements.	IBC 1705.4	SI	Per		5
None	Type, size & location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	IBC 1705.4	SI	Cont.		5
None	Specified size, grade & type of reinforcement.	IBC 1705.4	SI	Per		5
None	Welding of reinforcement.	IBC 1705.4	SI	Cont.		5
None	Protection of masonry during cold weather (temperature below 40-degrees F) or hot weather (temperature above 90-degrees F).	IBC 1705.4	SI	Per		5
None	Application & measurement of prestressing force.	IBC 1705.4	SI	Cont.		5
None	Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	IBC 1705.4	SI	Cont.		5
Yes	Compliance with required inspection provisions of the construction documents & the approved submittals shall be verified.	IBC 1705.4	SI	Per		5
MASONRY	Seismic	1705.4	SI			
Yes	Certificates of compliance used in masonry construction	1705.4	SI	Per	1	5
Yes	Verification of f'm prior to construction	1705.4	SI	Per	1	5
Yes	Verification of f'm every 5000 SF during construction	1705.4	SI	Per	As Stated	5
WOOD		1705.10/1705.11	SI			
Yes	Inspection of pre-fabricated Wood structural elements	1705.10/1705.11	SI	Per		5
Yes	Inspection of wood framing details for compliance with the structural drawings	1705.10/1705.11	SI	Per		5
Yes	Inspection of High Load Diaphragms, Table 2306.3.2	1705.5	SI	Per		5
WOOD	Seismic	1705.1	SI			
None	Continuous inspection of field gluing operations of elements of seismic-force resisting systems.	1705.1	SI	Cont.		5

Schedule of Inspections and Testing

Schedule of Inspections and testing						
PILING AND SOILS		1705.6	SI			
Yes	Verify earthquake drain installation is per the requirements of the specialty designer's requirements.	1705.6	SI	Cont.		5
Yes	Observe earthquake drain installation and maintain accurate and complete records	1705.6	SI	Cont.		5
None	Verify placement locations and plumbness, verify pile diameter and grout volume, verify length, record tip and butt elevations.	1704.8/1704.9	SI	Cont.		5
Yes	Verify site preparation complies with approved soils report.	Table 1705.6	SI	Per	Per Soils Report	5
Yes	During placement and compaction of fill material, the special inspector shall determine that the material being used and the maximum lift thickness comply with the geotechnical report.	Table 1705.6	SI	Per	Per Soils Report	5
Yes	Evaluation of in-place density. Determine, at the approved frequency, that the density of the compacted fill complies with the geotechnical report.	Table 1705.6	SI	Per	Per Soils Report	5
SMOKE CONTROL SYSTEMS		IBC 909	SI			
None	Special Inspection and test requirements	IBC 909.3	SI	Per		5
SPECIAL INSPECTION FOR SEISMIC RESISTANCE		IBC 1707	SI			
None	Storage Racks and Access Floors	IBC 1707.5		Per		5
Yes	Architectural Components and Cladding	IBC 1707.6	SI	Per		5
Yes	Suspended Ceilings Anchorage	IBC 1621 & 1707.6	SI	Per		
Yes	Mechanical and Electrical Components	IBC 1707.7	SI	Per		5
Yes	Mechanical and Electrical Component Attachment and Testing	IBC 1707.7.2	SI	Per		5
Yes	Mechanical and Electrical Component Manufacturer's Certificates	IBC 1707.7.3	SI	Per		5
STRUCTURAL TESTING FOR SEISMIC RESISTANCE		IBC 1708	SI			
None	Empirically designed Masonry and Glass Unit Masonry in Non-Essential Facilities	IBC 1708.1.1	SI	Per		5
None	Empirically designed Masonry and Glass Unit Masonry in Essential Facilities	IBC 1708.1.2	SI	Per		5
Yes	Engineered Masonry and Glass Unit Masonry in Non-Essential Facilities	IBC 1708.1.3	SI	Per		5
None	Engineered designed Masonry and Glass Unit Masonry in Essential Facilities	IBC 1708.1.4	SI	Per		5
None	Reinforcing and pre-stressing steel	IBC 1708.3	SI	Per		5
Yes	Structural Steel	AISC 341	SI	Per		5
Yes	Mechanical and Electrical Equipment	IBC 1708.5	SI	Per		5
STRUCTURAL OBSERVATIONS		IBC 1709	SI			

Schedule of Inspections and Testing

Schedule of Inspections and testing						
Yes	Structural Observations	IBC 1704.5	A/E	Per	As Required	5

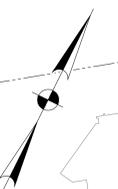
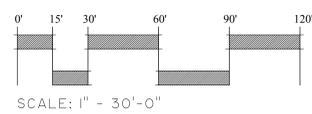
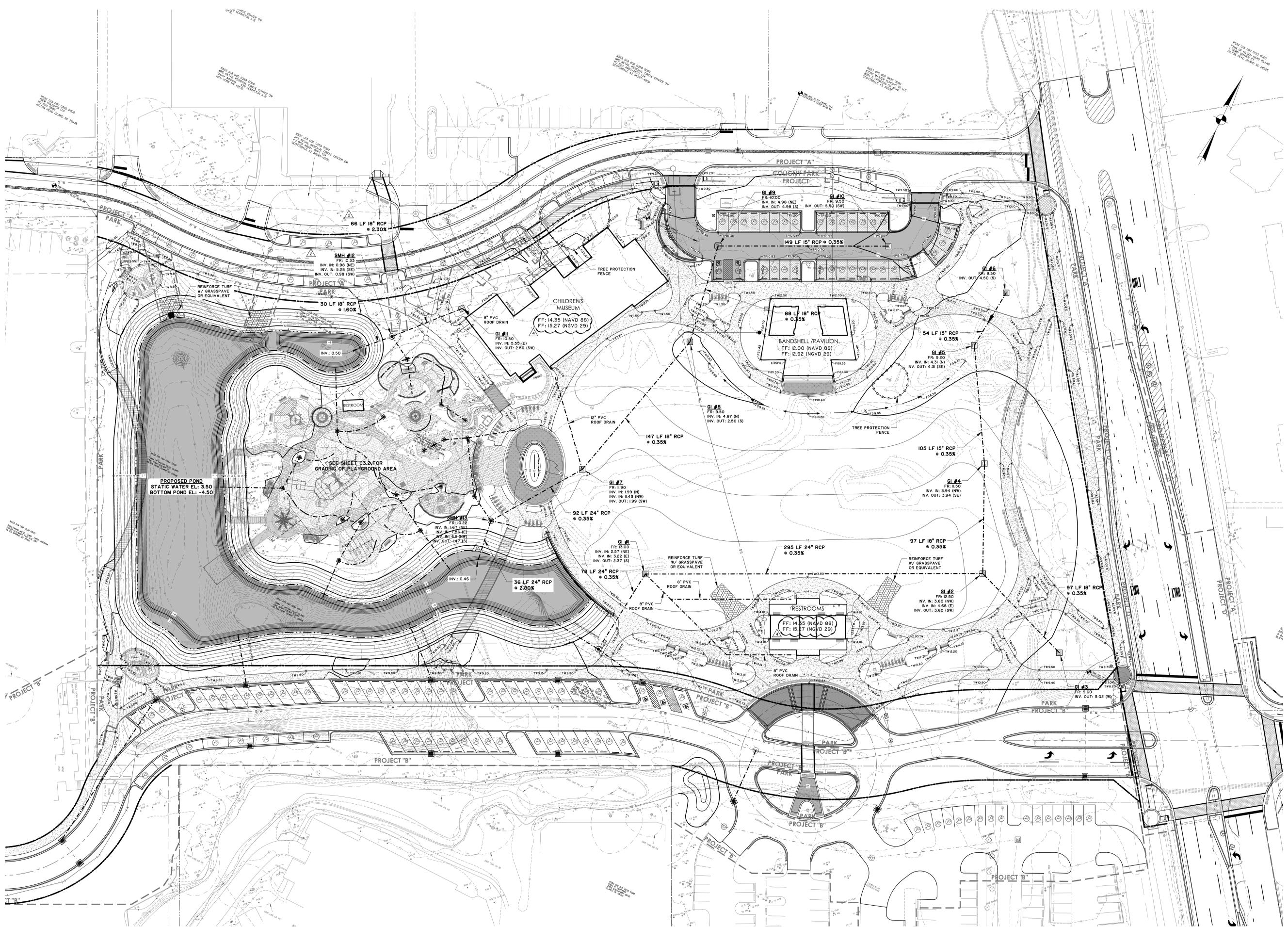
Schedule of Inspections and Testing

Schedule of Inspections and testing						
FIELD QUALITY ASSURANCE AND QUALITY CONTROL		PM				
Yes	Field Quality Assurance	Various Sections	C	Varies		4
Yes	Field Quality Control	Various Sections	C	Varies		4
Yes	Other tests and Inspections	Various Sections	C	Varies		4

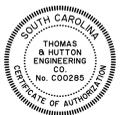
Notes Applicable to the Schedule of Inspections and Testing:

- 1 See legend at top of schedule for abbreviations.
- 2 Estimated quantities are for evaluation of SI proposals only. Actual quantities SI required shall be determined by actual job conditions and construction schedule. Estimated quantities only apply to special inspections.
- 3 Special Inspectors, A/E, and Contract Building Inspectors will be engaged by and paid for the Owner.
- 4 Unless specifically stated in this schedule or in the individual sections of the Project Manual all other testing, inspections, quality assurance, and quality control measures specified in the individual sections of the Project manual shall be the responsibility of, paid for and provided by the Contractor as part of the Contract Sum.
- 5 Where ICC offers no certification for a Special Inspector for a specific item listed, then Special Inspection shall be performed by a Registered Professional Architect or Engineer, approved by the AHJ, having a minimum of 5 years documented experience in the design and review of construction for the specific item.
- 6 Fabricators may be registered and approved to perform such work without special inspection.
- 7
 General: The IBC refers to ASCE Standard 7 for many Special Inspection and Testing requirements. All requirements for Special Inspections and Testing contained in ASCE 7 by reference in the IBC shall be included as part of this schedule as if the specific sections of ASCE 7 referenced in the IBC have included on this form.

Z:\2463424634\0002\Engineering\Drawings\Construction\Plans\24634-0002 - PGD-PL.dwg, Thursday, August 11, 2016, Printed By: Jenkins, Barry



Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928



CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina



DRAWN BY:
JEB
CHECKED BY:
SKM

#	REVISION	DATE BY
2	ADDENDUM #2	7.29.16 BJ
4	ADDENDUM #4	8.11.16 BJ

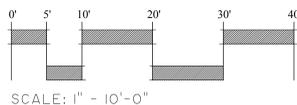
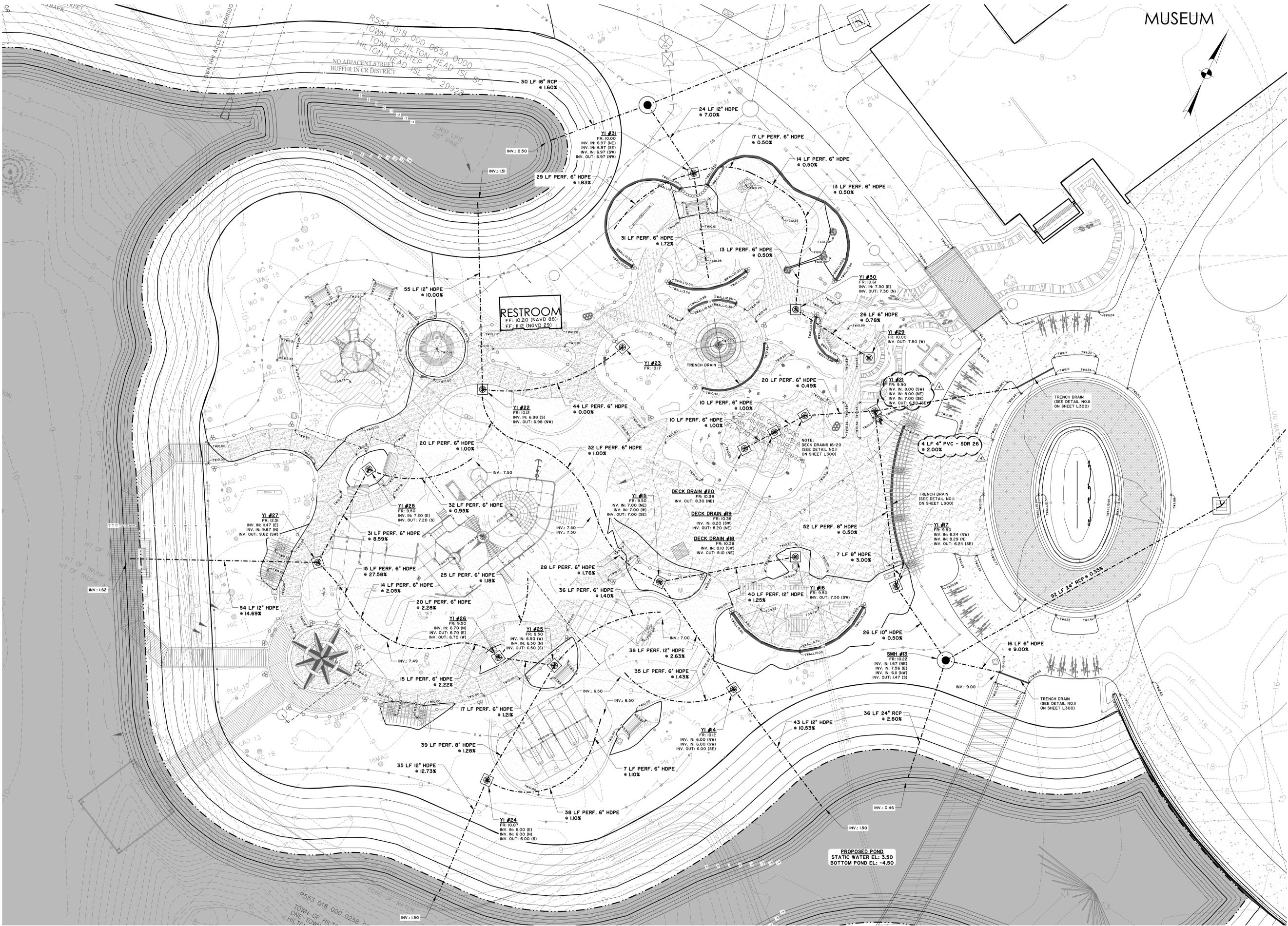
DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
PAVING, GRADING
& DRAINAGE PLAN

SHEET NUMBER
C3.1

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Z:\2463424634\0002\Engineering\Drawings\Construction\Plans\24634-0002 - PGD-PLAYGROUND.dwg, Tuesday, August 09, 2016, Printed By: Jenkins, Barry



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CONSTRUCTION DOCUMENTS
FOR
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Hilton Head Island, South Carolina



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4	ADDENDUM #4	8.11.16 BJ

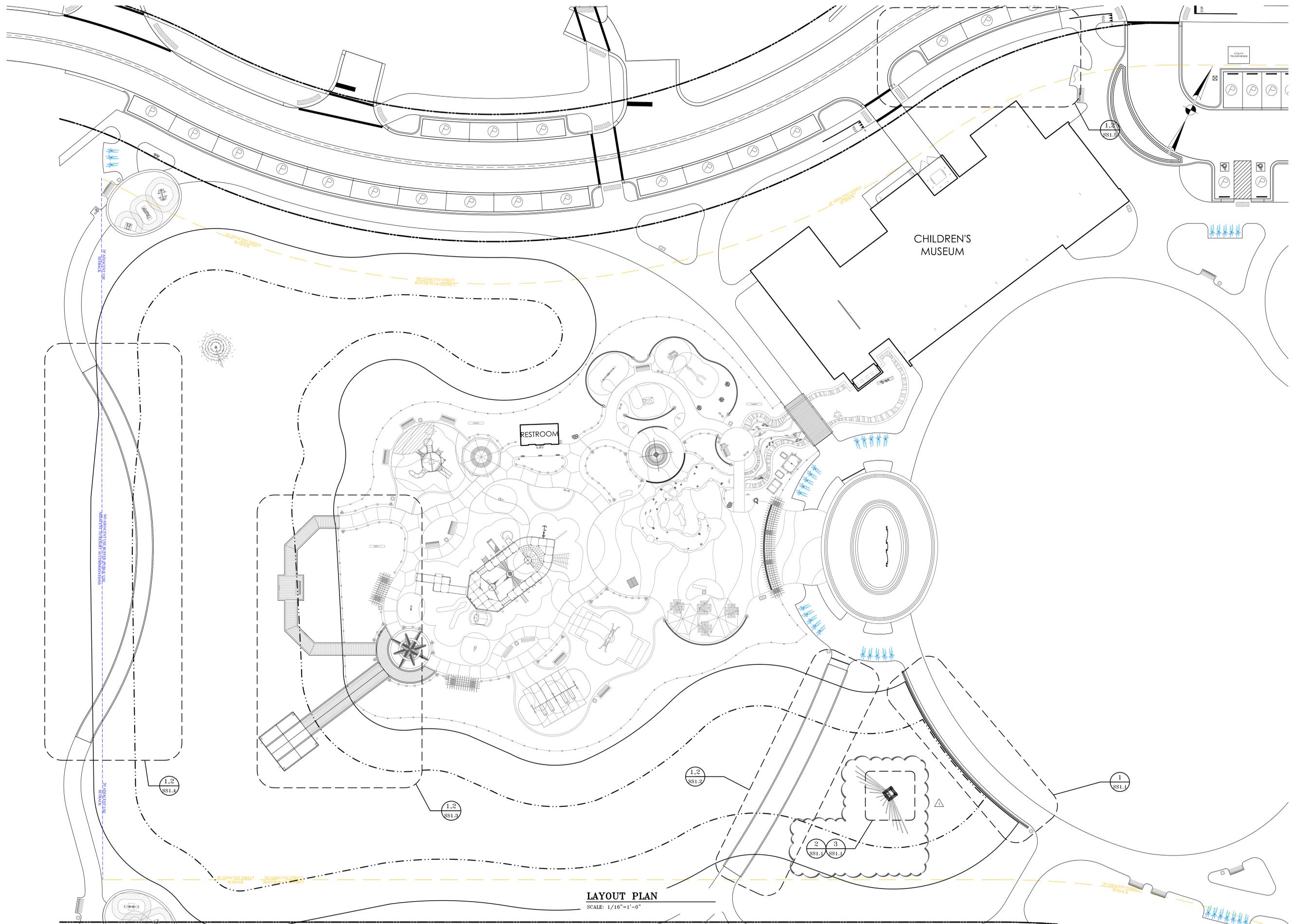
DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
PAVING, GRADING
& DRAINAGE PLAN
- PLAYGROUND

SHEET NUMBER
C3.2

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Z:\24634\24634_0002\Engineering\Drawings\Construction Plans\24634_0002 - Structural.dwg, Tuesday, August 09, 2016, Printed By: Cernic, Emily



LAYOUT PLAN
SCALE: 1/16"=1'-0"

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928



CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina



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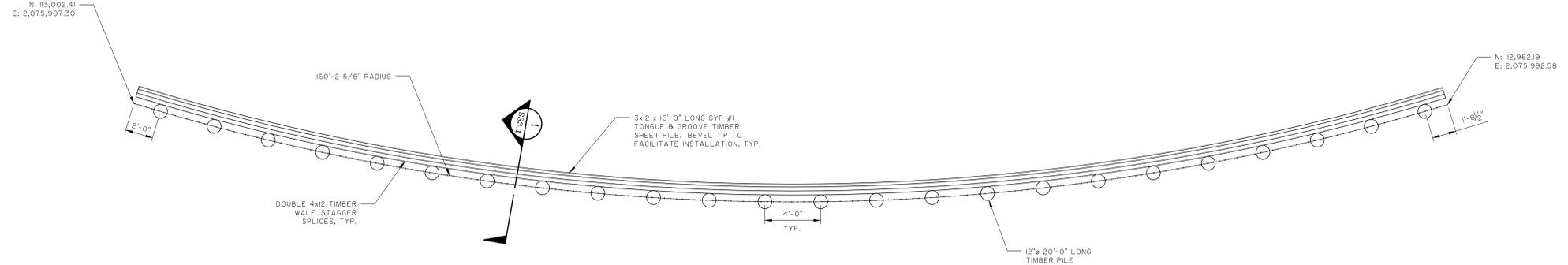
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1	ADDENDUM #4	08/11/16	BHG

DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
LAYOUT PLAN

SHEET NUMBER
SS1.0

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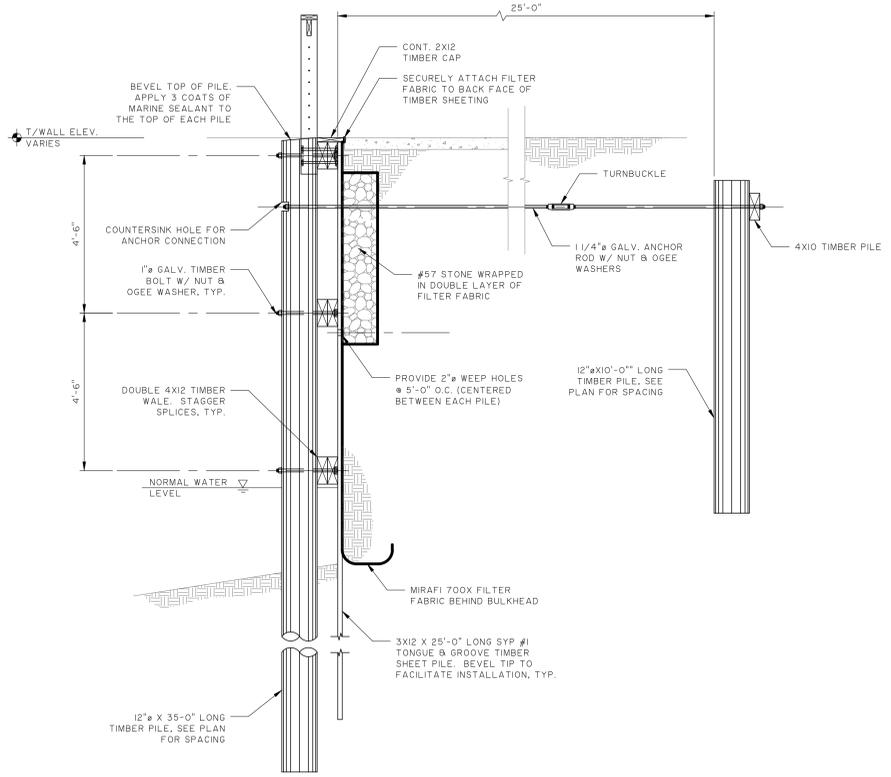
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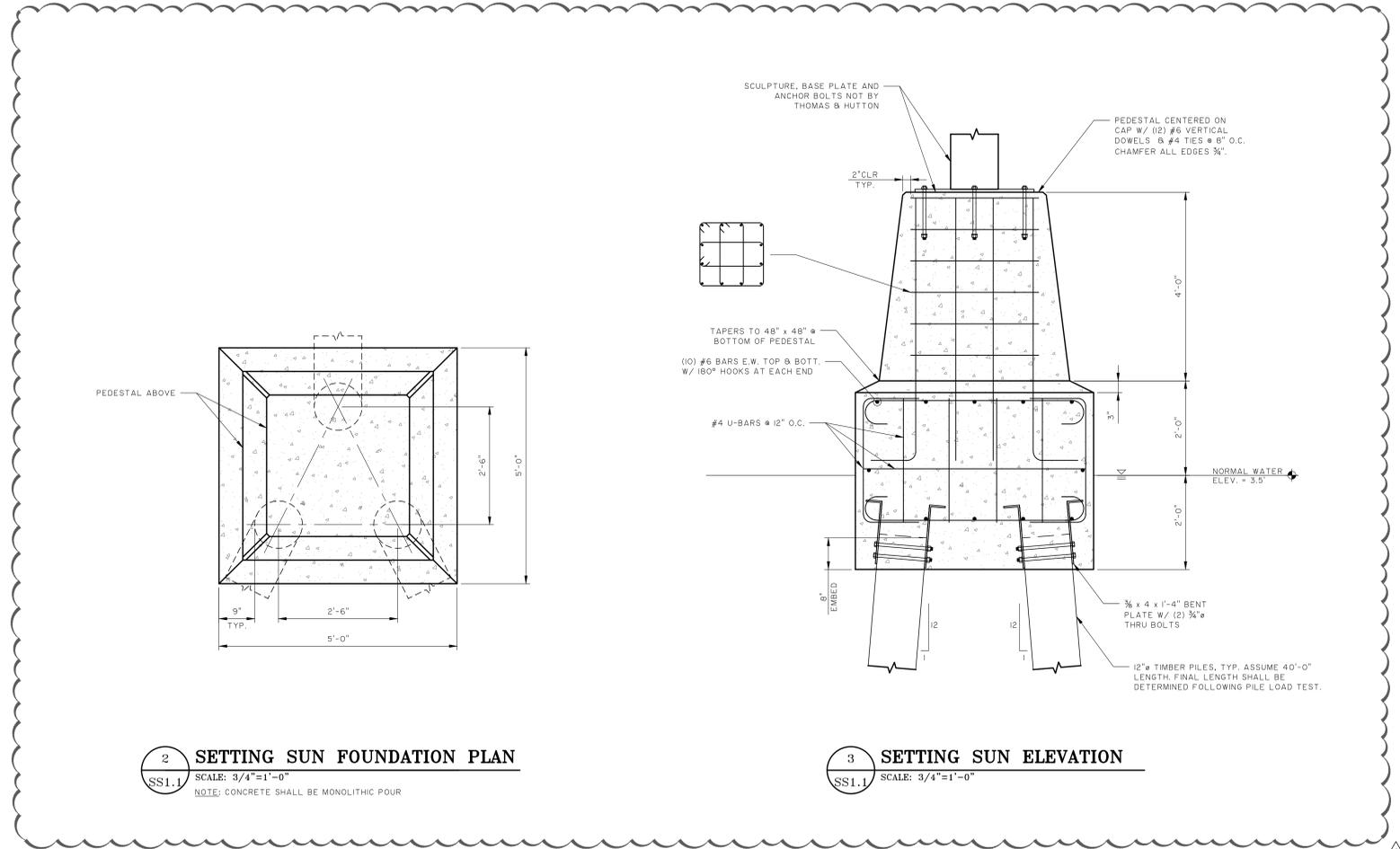
BULKHEAD #1 PLAN
SCALE: 1/4"=1'-0"

NOTES

1. REFER TO LANDSCAPE ARCHITECTURE PLANS FOR HANDRAIL DETAILS AND LOCATIONS.
2. VERIFY COORDINATES AND RADIUS WITH CIVIL PLANS.



1 TYPICAL BULKHEAD WALL DETAIL
SCALE: 1/2"=1'-0"



2 SETTING SUN FOUNDATION PLAN
SCALE: 3/4"=1'-0"
NOTE: CONCRETE SHALL BE MONOLITHIC POUR

3 SETTING SUN ELEVATION
SCALE: 3/4"=1'-0"

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#	REVISION	DATE	BY
1	ADDENDUM #4	08/11/16	SHG

DATE: 6-30-2016
PROJECT NUMBER: 01-16002
SHEET TITLE: BULKHEAD PLAN

SITE KEY LEGEND:

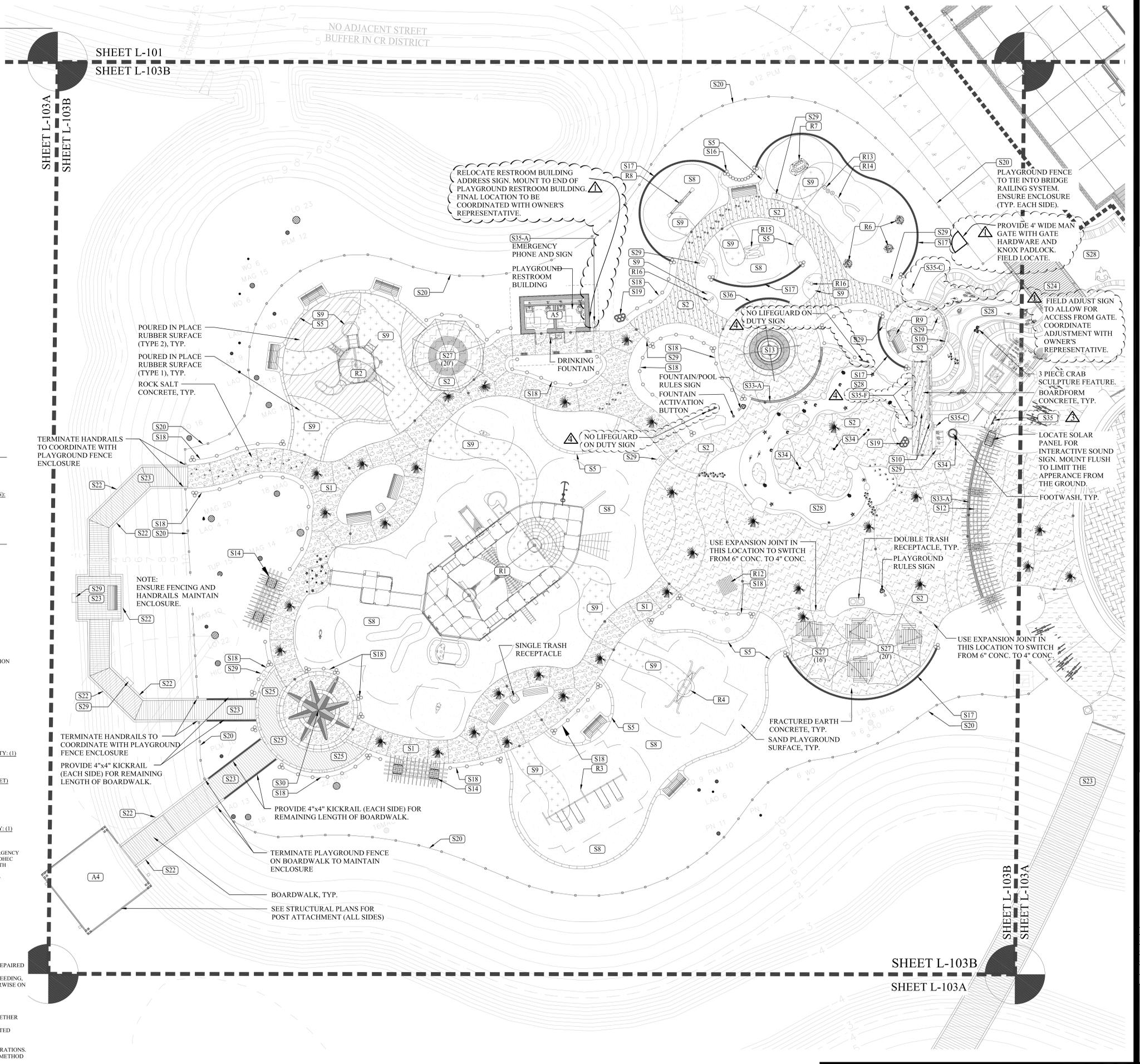
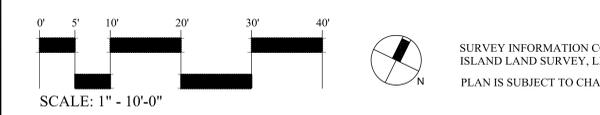
- ARCHITECTURE: A1 MUSEUM BUILDING, A2 CONCERT PAVILION, A3 RESTROOM / DROP-OFF BUILDING, A4 POND PAVILION, A5 PLAYGROUND RESTROOM BUILDING. SITE WORK: PAVEMENT: S1 CONCRETE WALKWAY (4" & 6"), S2 STAMPED CONCRETE WALK, S3 STAMPED CONCRETE IMPRESSIONS, S4 DETECTABLE WARNING DEVICE, S5 CONCRETE CURB RESTRAINT, S6 VEHICULAR PAVING (PATTERN ONLY), S7 SPECIALTY PAVING (PEDESTRIAN) TYPE 1 & 2, S8 SAND PLAYGROUND SURFACE, S9 POURED IN PLACE RUBBER SURFACE, S10 CANTILEVERED DECK W/ POST AND ROPE RAILING. SITE FEATURES: S11 GRAND LAWN ARBOR, S12 PLAYGROUND GATEWAY, S13 CIRCULAR ARBOR TREE, S14 SWING TRELLIS, S15 RAISED PLANTER / SEATWALL, S16 PILE WALL, S17 CURVED TONGUE & GROOVE WOOD WALL, S18 ROPE AND PILE FENCE, S19 DISCOVERY TRAIL GATEWAY, S20 #4 PLAYGROUND ENCLOSURE FENCE, S21 BULKHEAD & RAILING, S22 CABLE RAIL SYSTEM, S23 BOARDWALK.

- SITE FEATURES CONT'D: S24 PLAYGROUND PEDESTRIAN BRIDGE, S25 ON GRADE DECK AT COMPASS ROSE, S26 PARK ID SIGN, S27 SHADE UMBRELLAS, S28 WATER FEATURE, S29 INTERPRETIVE SIGNS, S30 COMPASS ROSE PAVING AREA, S31 PALM TREE PLANTER WELL, S32 ON GRADE BOARDWALK, S33 TRENCH DRAIN TYPES A & B, S34 DECK DRAIN, S35 I.D. / INCIDENTAL SIGNS / EMERGENCY OFF SWITCH, S36 TYPE 2 DETAIL L-1306. RECREATION FEATURES: R1 ICONIC SHIP STRUCTURE, R2 2-5 YEAR STRUCTURE, R3 SWINGS, R4 MULTI-USER SWING PLATFORM, R5 WHIMSY RIDERS (DOLPHINS & SEA HORSE), R6 FOSSIL DIGS (SHELLS, SHARK TEETH, CRABS), R7 CLIMBING TURTLE, R8 SEESAW, R9 FROG SCULPTURE (ON BENCH), R10 TURTLES ON LOG, R11 WHIMSY BIRD SCULPTURES, R12 PARK INFORMATION KIOSK WITH MAP, R13 LOG STEPPER, R14 LOG BALANCE BEAM, R15 LOG CRAWL / TUNNEL, R16 TALK TUBES.

- PAVING SCHEDULE: 4" OYSTER SHELL CONCRETE, 6" OYSTER SHELL CONCRETE, FRACTURED EARTH CONCRETE, POURED IN PLACE RUBBER SURFACE, POURED IN PLACE RUBBER SURFACE. SITE FURNISHINGS SCHEDULE: PLAYGROUND FENCE, BENCH TYPE 1, BENCH TYPE 2, SINGLE TRASH RECEPTACLE, DOUBLE RECYCLING RECEPTACLE, STAMPED CONCRETE IMPRESSIONS, BIKE RACKS QTY. (44) & BIKE BOLLARD W/ LIGHT, DECORATIVE BIKE RACK, DRINKING FOUNTAIN TYPE A, FOOTWASH, REMOVABLE BOLLARD, FIXED BOLLARD, CIRCULAR BENCH, PET WASTE DISPOSAL STATION, I.D. & INCIDENTAL SIGNS.

- 16' & 20' SHADE UMBRELLA, FALLEN TREE BENCH, PICNIC TABLE, ROWER, 2-PERSON ACCESSIBLE LATT PULL & VERTICAL PRESS, SINGLE ELIPTICAL, TWO PERSON LEG PRESS, STAIR SLIMBER, FOUR PERSON PENDULUM, ARS. & DIP STATION, SET OF 2 WHIMSY BIRD SCULPTURES, TURTLES ON LOG SCULPTURE, HUMAN SIZED FROG SCULPTURE, EMERGENCY TELEPHONE (TOLL FREE), FAMILY OF THREE CRAB SCULPTURES.

- GENERAL CONSTRUCTION NOTES: 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES... 2. ALL DISTURBED AREAS AND PROPOSED EARTH GRADING NOT TO BE COVERED BY OTHER SURFACES SHALL BE GRASSED BY SEEDING... 3. ALL CONSTRUCTION SHALL BE IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL CODES... 4. THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS TO THE EXTENT NECESSARY TO DETERMINE THE EFFECTS OF SUB-SURFACE CONDITIONS... 5. DEMOLITION SHALL INCLUDE THE REMOVAL OF ALL PIPE, STRUCTURES OR DEBRIS WITHIN THE AREA OF CONSTRUCTION... 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING PROPER DRAINAGE OF ANY AND ALL AREAS WHICH ARE FIELD ADJUSTED DURING CONSTRUCTION... 7. CONTRACTOR SHALL RESTORE DAMAGED FINISHES AND REPLACE DAMAGED OR DEFECTIVE UNITS... 8. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR TIMING OF AND RESPONSIBILITY OF DEMOLITION OPERATIONS... 9. CONTRACTOR SHALL PROVIDE STANDARD UTILITY BENCH FOR PLACEMENT OF FROG SCULPTURE. SUBMIT SHOP DRAWING FOR METHOD OF ANCHORING.



Scale: 1" = 10'-0"

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Landscape Architects
Land Planners

DATE: 6-30-2016
PROJECT NUMBER: 01-16002
SHEET TITLE: Playground Site Plan

SHEET L-103B
SHEET L-103A

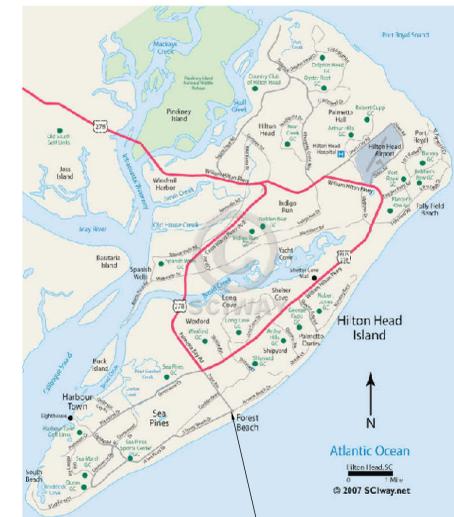
CONSTRUCTION DOCUMENTS FOR COLIGNY PARK
Hilton Head Island, South Carolina

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928



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PROJECT ADDRESS
IN FOREST BEACH
HILTON HEAD, SC 29928

SYSTEM STATISTICS:
 RUNNELL SURFACE AREA - 515 SQ. FT. X 1/8" SKIM = 40 GALLONS
 COLLECTOR TANK VOLUME - 49 SQ. FT. X 5' DEEP, 245 CUBIC FT. = 970 GALLONS
 TOTAL VOLUME = 1010 GALLONS
 CIRCULATION (CODE) - 30 MIN. TURNOVER = 50 GPM

WATER EFFECTS:
 STREAM JETS - 3GPM X 10 = 30 GPM
 SURGE SUMPS - (1) AT 25GPM, (1) @ 50GPM AND (1) @ 95GPM = 170 GPM
 SURGE FITTING - 20GPM X 6 = 120 GPM
 TOTAL = 320 GPM
 TOTAL SURGE REQ. (X3) = 960 GALLONS

PERIMETER	230 LIN. FT.
SURFACE AREA	515 SQ. FT.
BATHING LIMIT	21 / 52 PERSONS
SCUM VOLUME	40 GALLONS
COLLECTOR TANK VOLUME	970 GALLONS
TOTAL VOLUME	1010 SQ. FT.
TOTAL DECK AREA	1500 SQ. FT.
DECK LIMIT	46 PERSONS
MINIMUM FLOW RATE	17 GPM
DESIGNED FILTER FLOW RATE	45 GPM @ 55 TDH
DESIGNED FEATURE FLOW RATE	325 GPM @ 40 TDH
VAULT VOLUME	245 CU FT
VAULT AIR VOLUME TURNOVER	33 PER HOUR



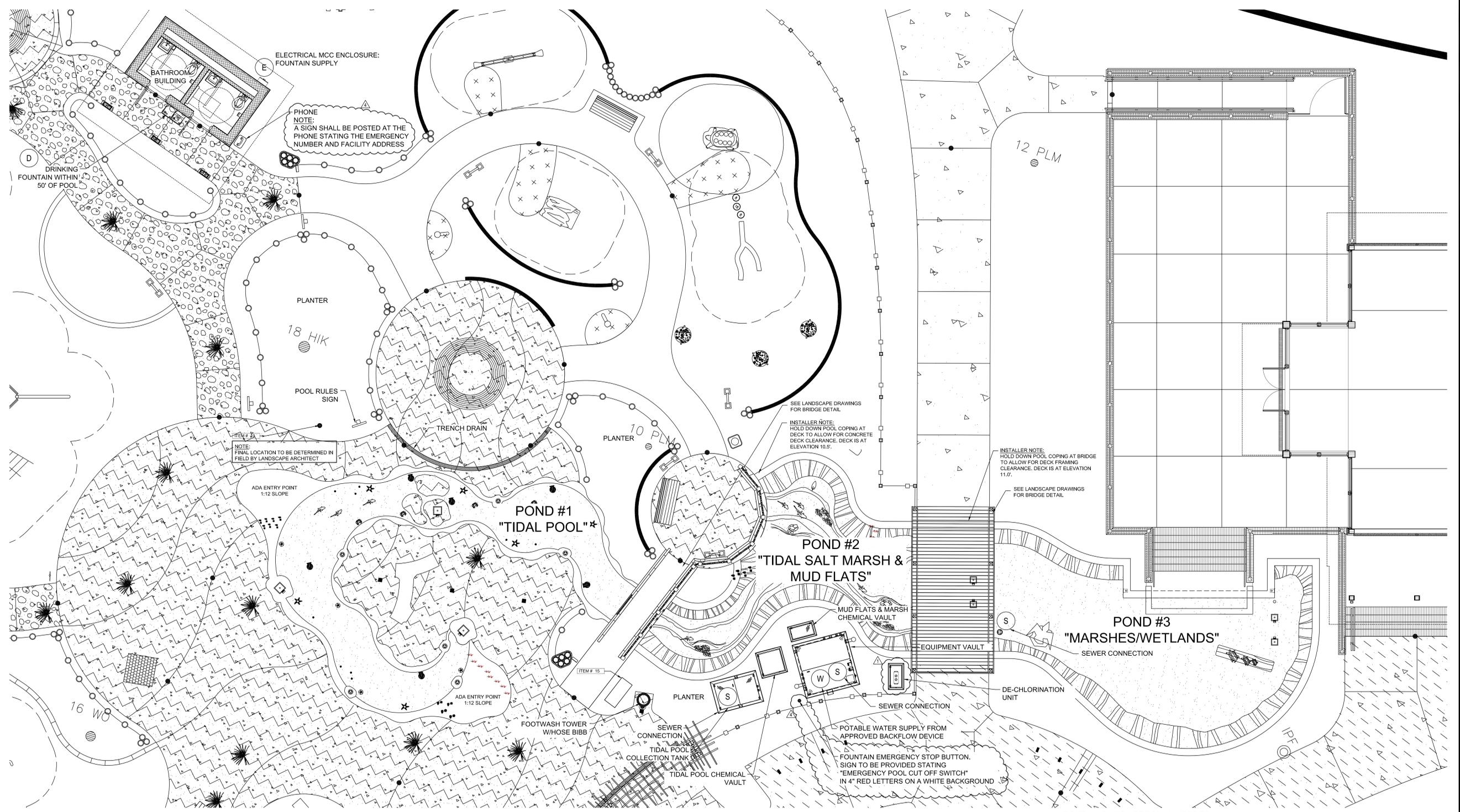
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DATE
6-17-2016
PROJECT NUMBER
01-16002
SHEET TITLE
SITE UTILITY &
ID PLAN

SHEET NUMBER
FM-1



ADVENTURE PLAYGROUND FOUNTAIN RULES

- THERE SHALL BE NO RUNNING, BOISTEROUS, OR ROUGH PLAY.
- NO PERSON UNDER THE INFLUENCE OF ALCOHOL OR DRUGS SHALL USE THE FOUNTAIN.
- THERE SHALL BE NO SPITTING OR BLOWING NOSE IN THE FOUNTAIN.
- PERSONS WITH DIARRHEAL ILLNESS OR NAUSEA SHALL NOT ENTER THE FOUNTAIN.
- PERSONS WITH SKIN, EYE, OR RESPIRATORY INFECTIONS SHALL NOT ENTER THE FOUNTAIN.
- PERSONS WITH OPEN LESIONS OR WOUNDS SHALL NOT ENTER THE FOUNTAIN.
- SHOWER BEFORE ENTERING POOL.
- NO ANIMALS OR PETS ALLOWED IN THE FOUNTAIN.
- NO GLASS ALLOWED IN THE FOUNTAIN OR ON THE DECK.
- NO CHILDREN SHOULD BE IN THE FOUNTAIN WITHOUT SUPERVISION.
- A FIRST AID KIT IS LOCATED AT THE RESTROOMS.
- AN EMERGENCY PHONE IS LOCATED AT THE RESTROOMS.

POOL OPERATOR IS: _____
SC LICENSE NO.: _____

- FOR EMERGENCIES CALL 911.
- FOR GENERAL INFORMATION CALL FACILITIES MANAGEMENT AT: 843-343-4580.
- HOURS OF OPERATION: _____

SYSTEM STATISTICS:
 RUNNELL SURFACE AREA - 515 SQ. FT. X 1/8" SKIM = 40 GALLONS
 COLLECTOR TANK VOLUME - 49 SQ. FT. X 5' DEEP, 245 CUBIC FT. = 970 GALLONS
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 STREAM JETS - 3GPM X 10 = 30 GPM
 SURGE SUMPS - (1) AT 25GPM, (1) @ 50GPM AND (1) @ 95GPM = 170 GPM
 SURGE FITTING - 20GPM X 6 = 120 GPM
 TOTAL = 320 GPM
 TOTAL SURGE REQ. (X3) = 960 GALLONS

SITE UTILITY & ID PLAN
SCALE: 3/16"=1'-0"

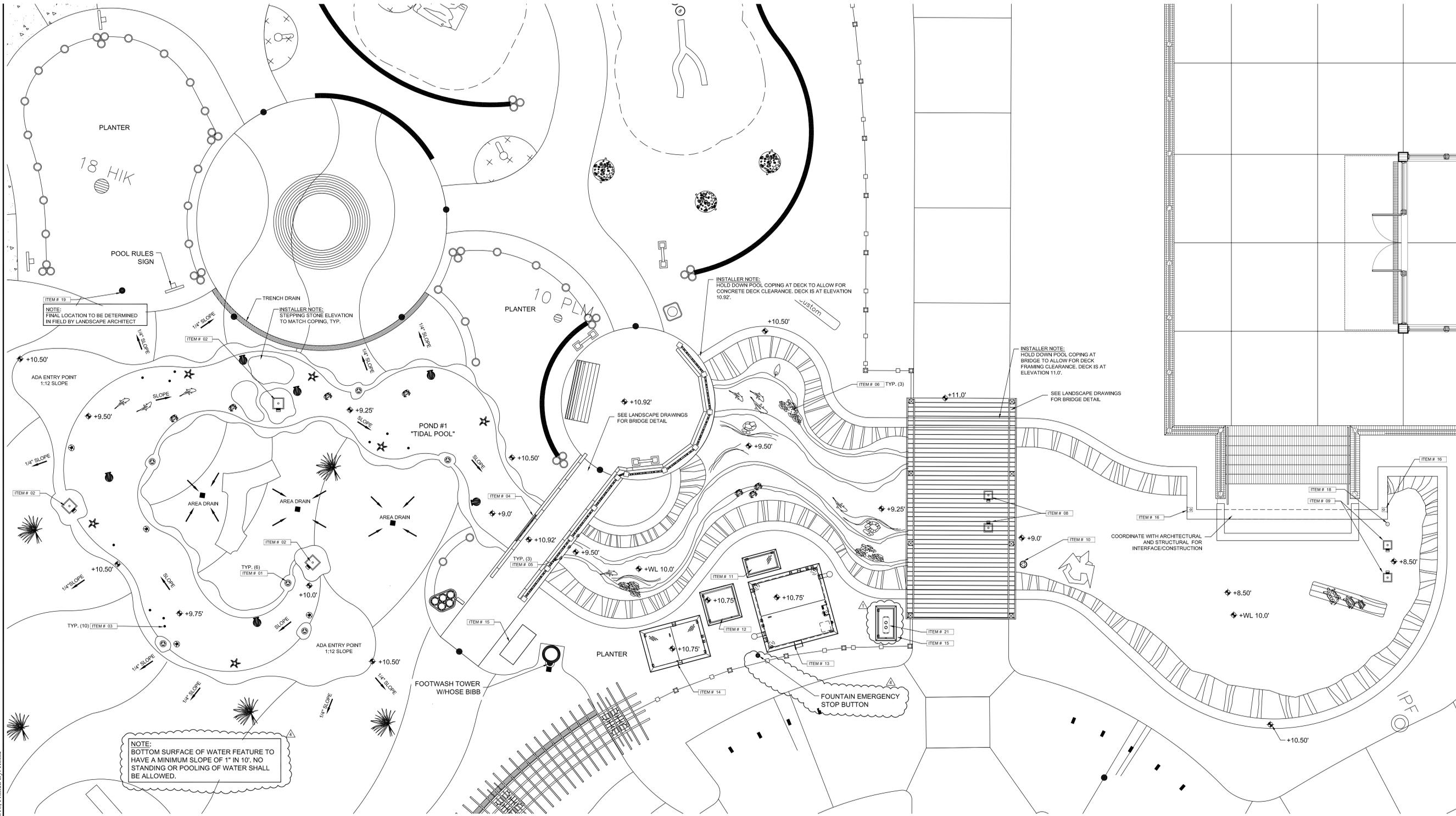
POND 1 - DHEC APPROVAL NEEDED
 POND 2 - NO DHEC APPROVAL NEEDED
 POND 3 - NO DHEC APPROVAL NEEDED

WATER FEATURE SPECIFICATIONS	
PERIMETER	230 LIN. FT.
SURFACE AREA	515 SQ. FT.
BATHER LIMIT	21 / 52 PERSONS
SCRIM VOLUME	40 GALLONS
COLLECTOR TANK VOLUME	970 GALLONS
TOTAL VOLUME	1010 SQ. FT.
TOTAL DECK AREA	1500 SQ. FT.
DECK LIMIT	46 PERSONS
MINIMUM FLOW RATE	17 GPM
DESIGNED FILTER FLOW RATE	45 GPM @ 55 TDH
DESIGNED FEATURE FLOW RATE	325 GPM @ 40 TDH
VAULT VOLUME	245 CU FT
VAULT AIR VOLUME TURNOVER	33 PER HOUR

SURVEY INFORMATION COMPILED FROM AS-BUILT SURVEY BY
 SEA ISLAND LAND SURVEY, LLC. FILE 1-2545.dwg, DATED
 NOVEMBER 11, 2015



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POND SPOT ELEVATIONS
 SCALE: 1/4"=1'-0"

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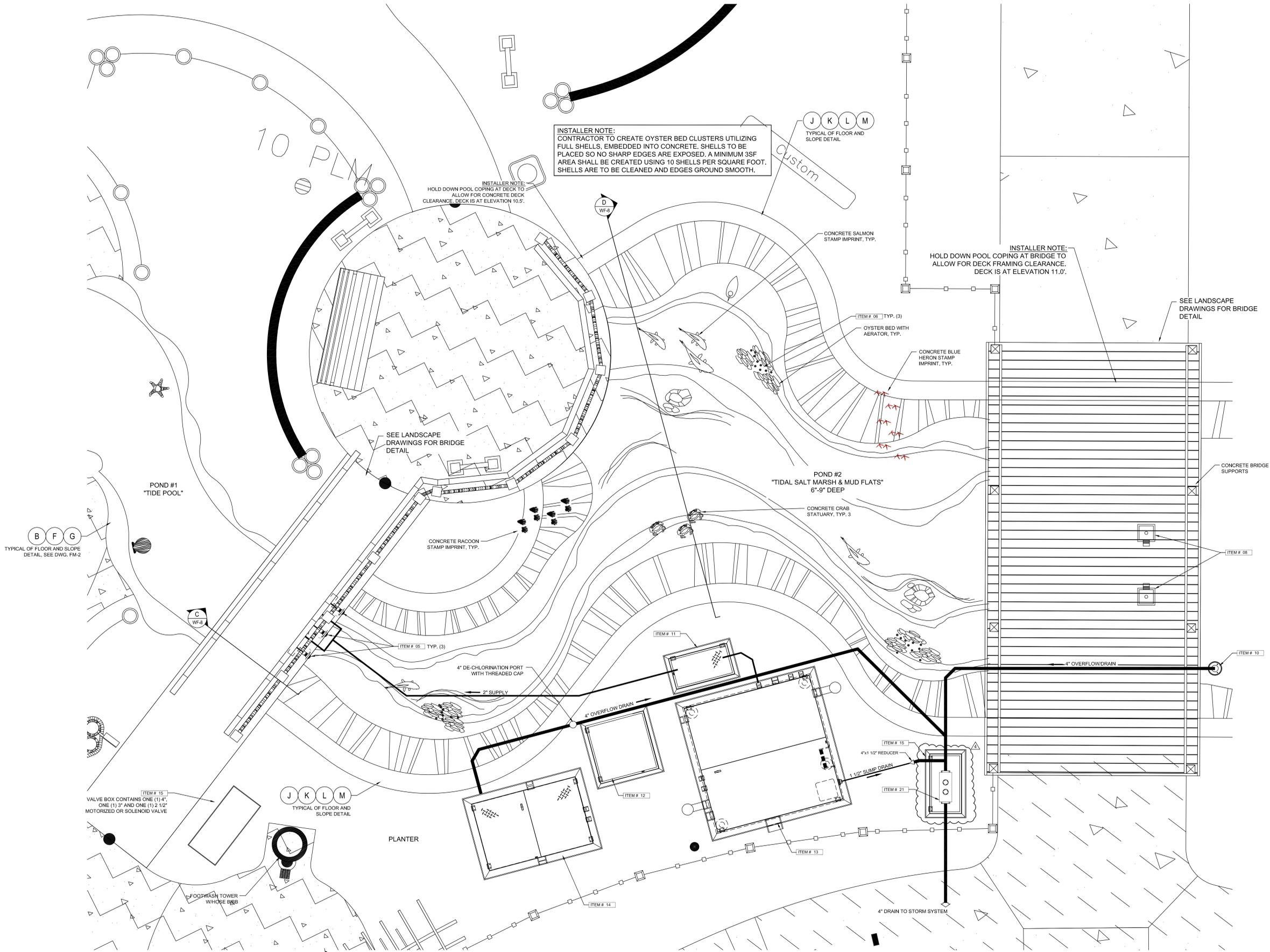
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 PROJECT NUMBER
 01-16002
 SHEET TITLE
 POND SPOT ELEVATIONS

SHEET NUMBER
FM-1A

SURVEY INFORMATION COMPILED FROM AS-BUILT SURVEY BY
 SEA ISLAND LAND SURVEY, LLC. FILE 1-2545.dwg, DATED
 NOVEMBER 11, 2015



C:\Clients\Southern Aquatics\Projects\Coligny Park WF (8-8-16).dwg - Monday, August 08, 2016, Printed By: Home



INSTALLER NOTE:
 CONTRACTOR TO CREATE OYSTER BED CLUSTERS UTILIZING FULL SHELLS, EMBEDDED INTO CONCRETE. SHELLS TO BE PLACED SO NO SHARP EDGES ARE EXPOSED. A MINIMUM 3SF AREA SHALL BE CREATED USING 10 SHELLS PER SQUARE FOOT. SHELLS ARE TO BE CLEANED AND EDGES GROUND SMOOTH.

INSTALLER NOTE:
 HOLD DOWN POOL COPING AT DECK TO ALLOW FOR CONCRETE DECK CLEARANCE. DECK IS AT ELEVATION 10.5'

INSTALLER NOTE:
 HOLD DOWN POOL COPING AT BRIDGE TO ALLOW FOR DECK FRAMING CLEARANCE. DECK IS AT ELEVATION 11.0'

ENLARGED POND #2, 'MUDFLAT AREA' PIPING PLAN
 SCALE: 1/2"=1'-0"

SURVEY INFORMATION COMPILED FROM AS-BUILT SURVEY BY SEA ISLAND LAND SURVEY, LLC. FILE 1-2545.dwg, DATED NOVEMBER 11, 2015

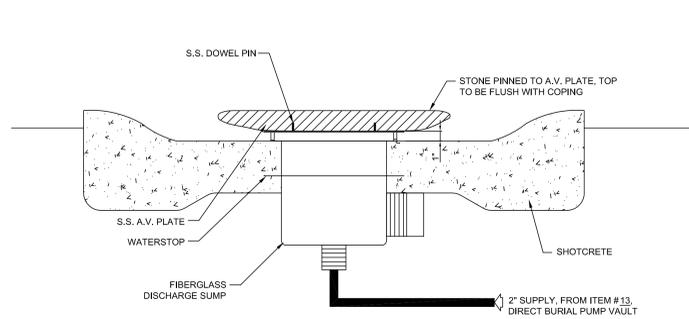


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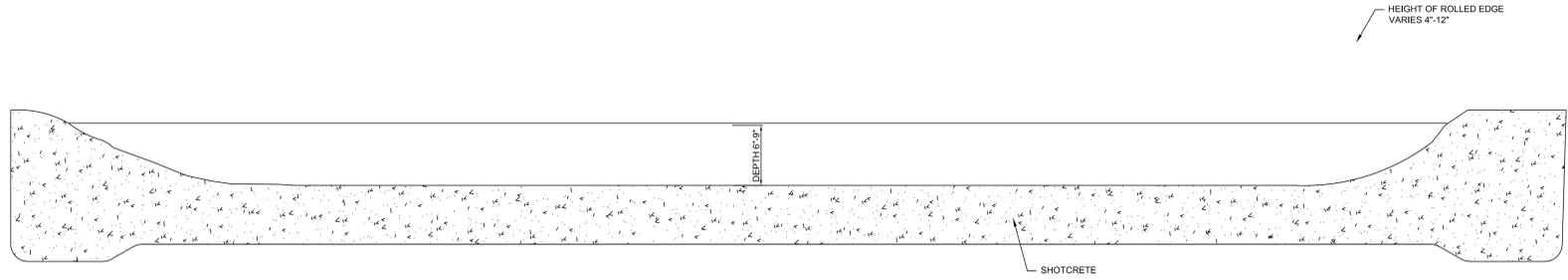
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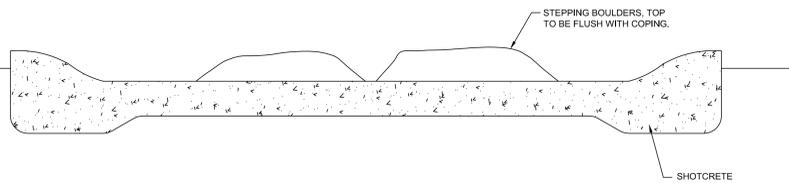
DATE
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 PROJECT NUMBER
 01-16002
 SHEET TITLE
 ENLARGED POND #2
 PIPING PLAN



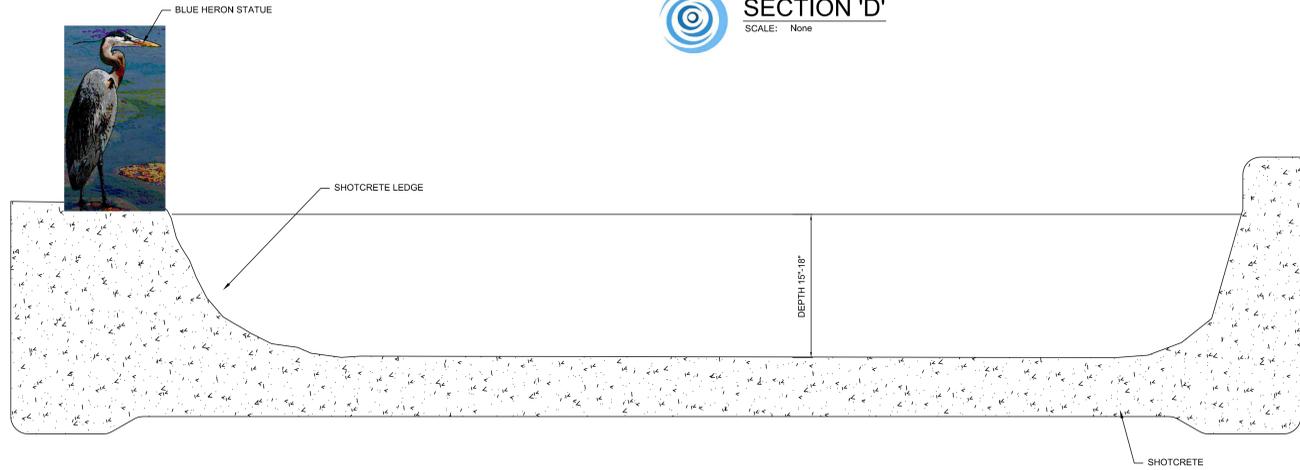
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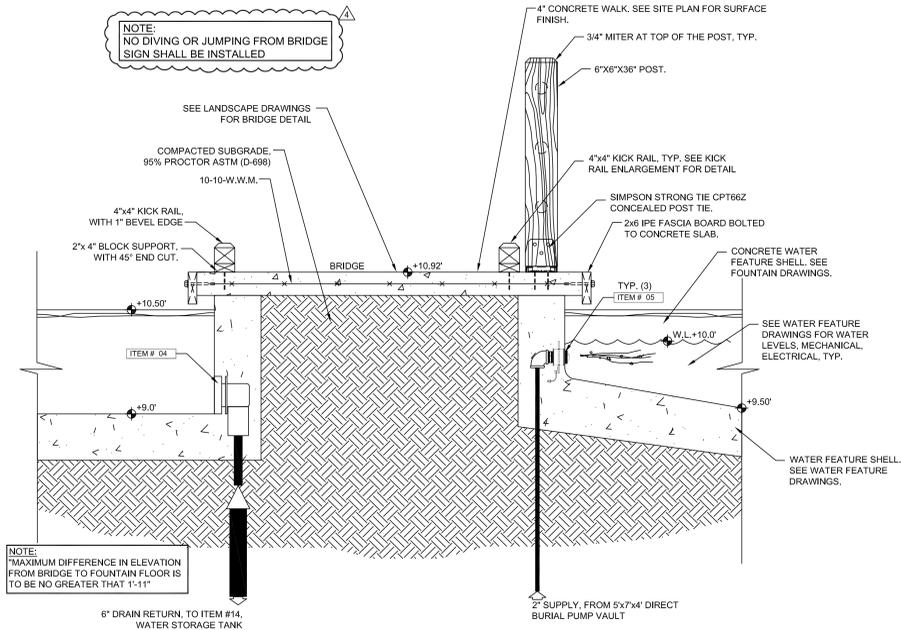
SECTION 'D'
SCALE: None



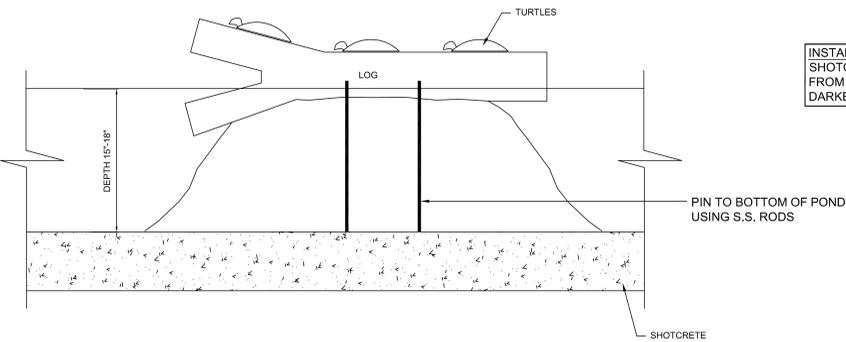
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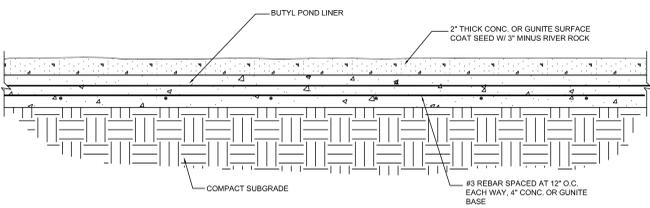
SECTION 'E'
SCALE: None



SECTION 'C'
SCALE: 1"=1'-0"



SECTION 'F'
SCALE: None



POND BOTTOM - TYPICAL
SCALE: None

INSTALLER NOTE:
SHOTCRETE COLORS TO BE VARIATED AND GRADUATED FROM LIGHTER COLORS AT THE COPING LEVEL AND THE DARKER COLORS ON STREAM/POND FLOOR

NOTE:
NO DIVING OR JUMPING FROM BRIDGE SIGN SHALL BE INSTALLED

NOTE:
"MAXIMUM DIFFERENCE IN ELEVATION FROM BRIDGE TO FOUNTAIN FLOOR IS TO BE NO GREATER THAN 1'-11"

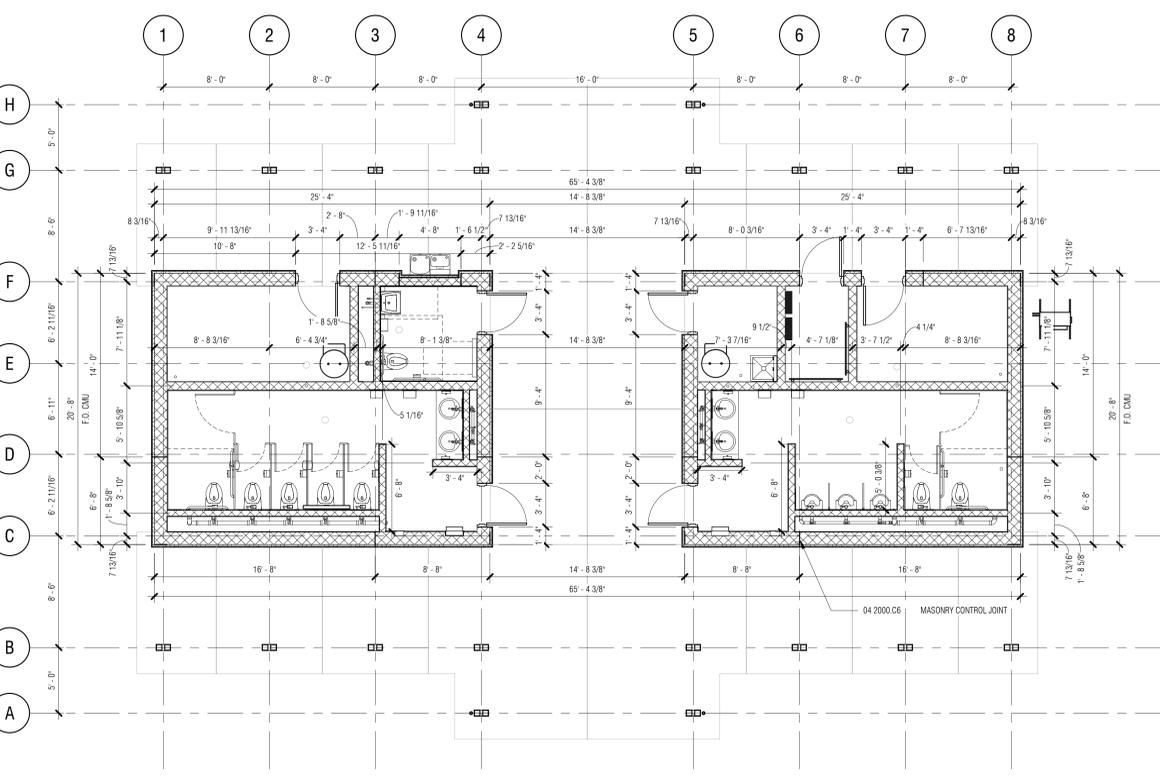
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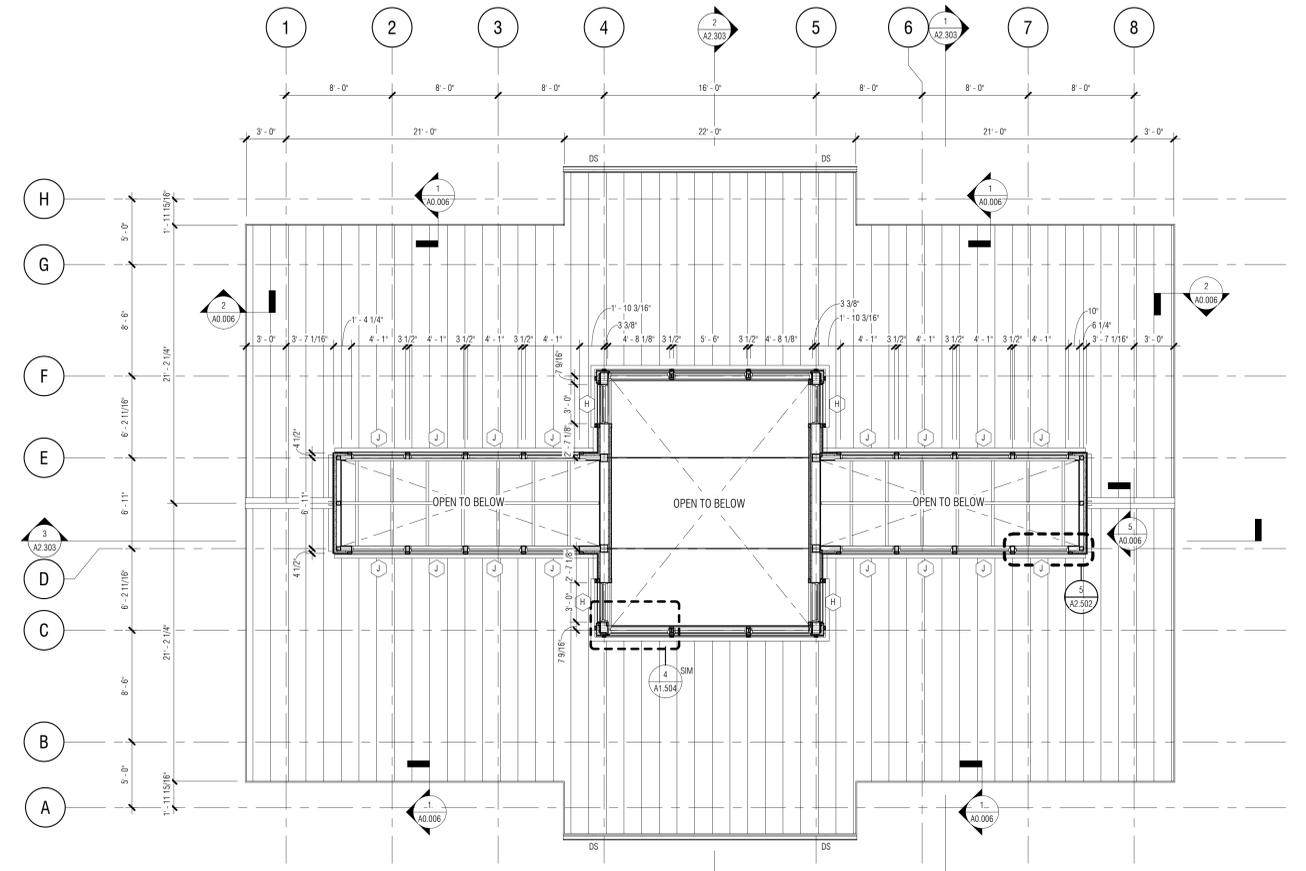
#	REVISION	DATE	BY
1	PER SCDDH	8-11-16	SA

DATE
6-17-2016
PROJECT NUMBER
01-16002
SHEET TITLE
ENLARGED POND #3
SECTIONS & DETAILS

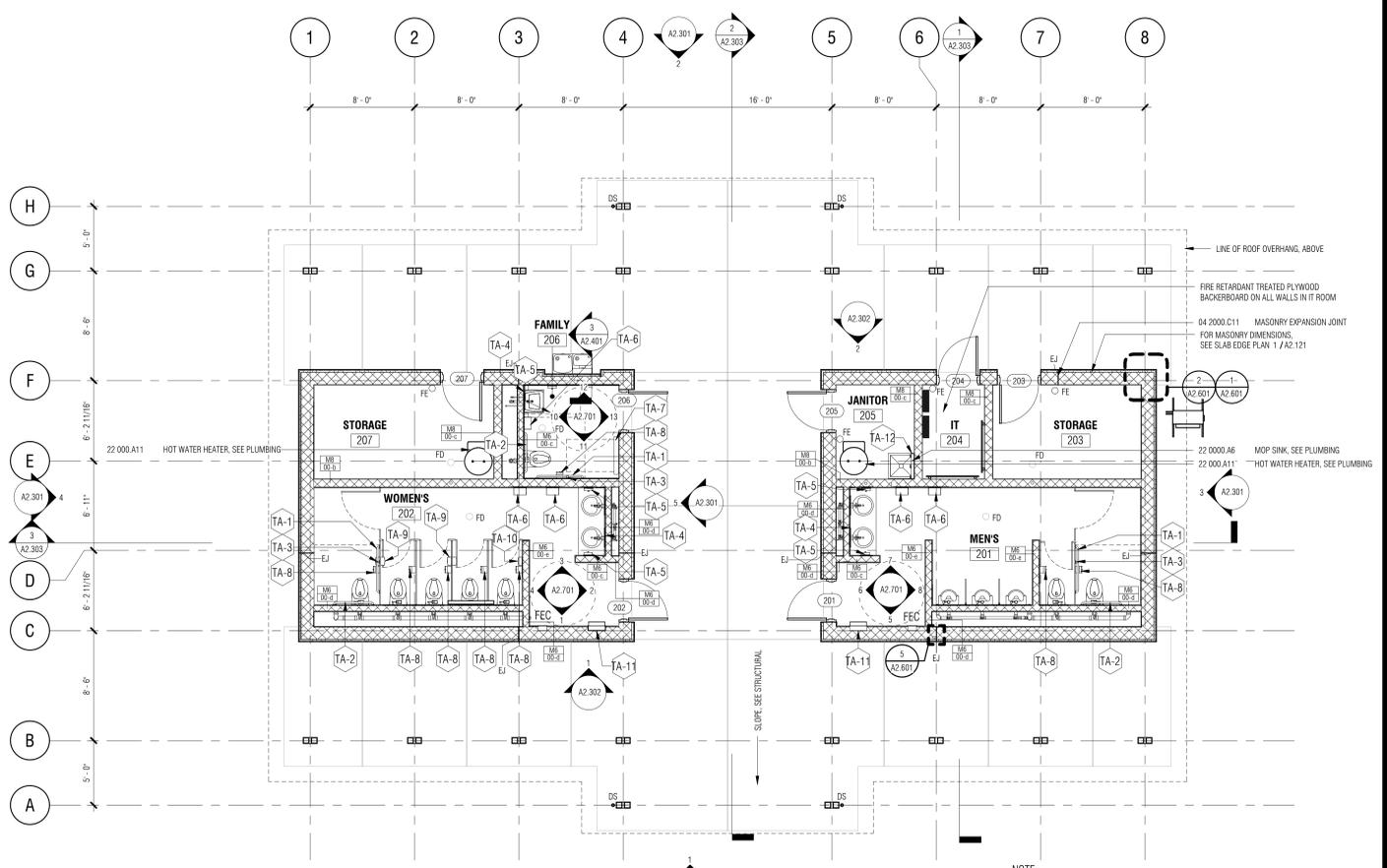
TOILET ACCESSORIES				
NO.	ITEM	MOUNTING HEIGHT	MFG.	MODEL NO.
TA-1	42" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (HORIZONTALLY MOUNTED)	34" TO T.O. BAR	BOBRICK	B-5806 x 42
TA-2	36" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (HORIZONTALLY MOUNTED)	34" TO T.O. BAR	BOBRICK	B-5806 x 36
TA-3	18" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (VERTICALLY MOUNTED)	40" TO CL OF BOTTOM BAR	BOBRICK	B-5806 x 18
TA-4	18" x 36" LAMINATED SAFETY GLASS STAINLESS STL ANGLE FRAME MIRROR	40" TO B.O. REFLECTIVE SURFACE	BRADLEY	741
TA-5	SOAP DISPENSER (SURFACE MOUNTED)	44" TO DISPENSER	BOBRICK	B-2112
TA-6	XLERATOR HAND DRYER (SURFACE MOUNTED)	37" TO B.O. DRYER	EXCEL DRYER	XL-SB
TA-7	BABY CHANGING STATION (SURFACE MOUNTED)	34" TO WORK SURFACE	BOBRICK	KB110-SSWM
TA-8	MULTI-ROLL TOILET TISSUE DISPENSER (SURFACE-MOUNTED)	18" TO B.O. DISPENSER	BOBRICK	B-2888
TA-9	DUAL SANITARY NAPKIN DISPOSAL	30" AFF	BOBRICK	B-4354
TA-10	SINGLE SANITARY NAPKIN DISPOSAL	30" AFF	BOBRICK	B-4353
TA-11	RECESSED WASTE RECEPTACLE WITH LINER HOLDER	41" TO TOP OF RECEPTACLE	BOBRICK	B-43644
TA-12	MOP HOLDER	70" TO TOP	BOBRICK	B-223 x 24



PLAN
3
DIMENSION FLOOR PLAN - RESTROOM
3/16" = 1'-0"



PLAN
2
CLERESTORY FLOOR PLAN - RESTROOM
3/16" = 1'-0"



PLAN
1
FLOOR PLAN - RESTROOM
3/16" = 1'-0"

NOTE:
CUT PLANE AT 2'-8" AFF THROUGH THE 12" CMU
EXTERIOR WALL. 8" CMU ABOVE THE CUT PLANE.

DRAWN BY:
MFX
CHECKED BY:
EMB
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PROFESSIONAL STAMPS:

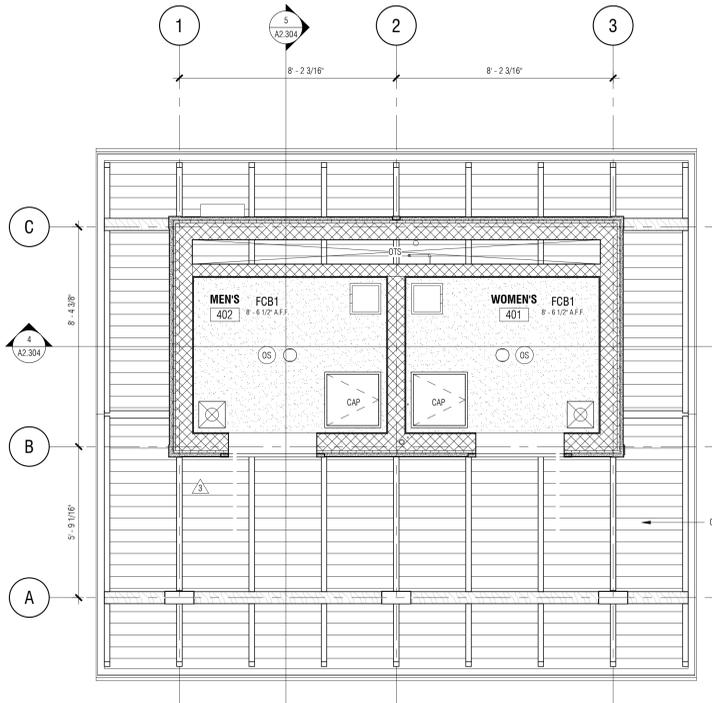


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4	ADJUSTMENT	08/17/16	

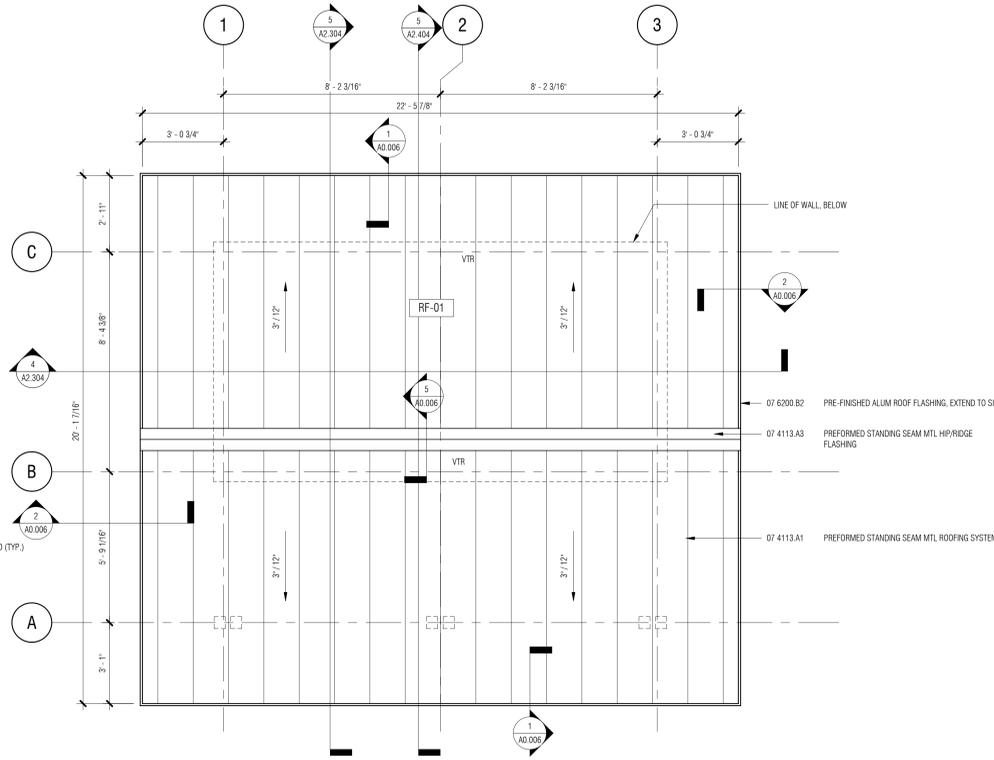
DATE
6-30-2016
PROJECT NUMBER
01-16002
SHEET TITLE
FLOOR PLANS

Wood+Partners Inc. WPI
Landscape Architects
Land Planners
WTS
WATSON TATE SAVORY
WTS Project No. 1406
PO Box 2348 • Hilton Head Island, SC 29925
843.681.6618 • Fax 843.681.7958 • www.woodpartners.com

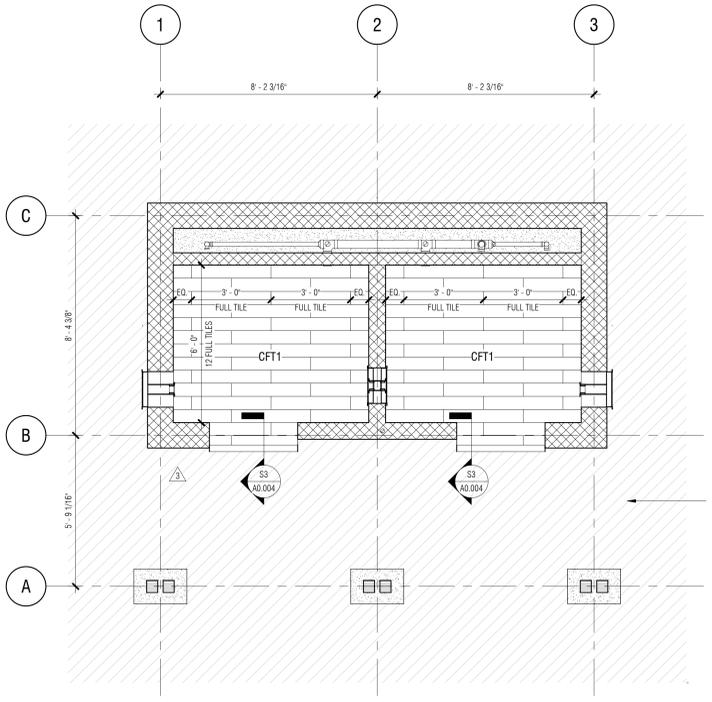
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A2.101



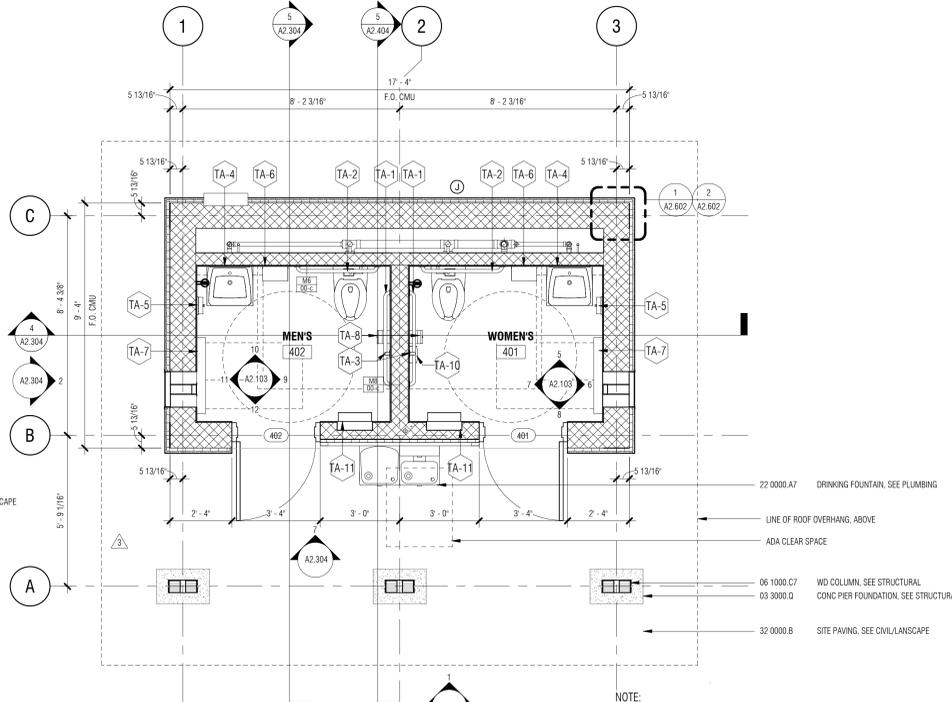
PLAN
4 REFLECTED CEILING PLAN - POOL RESTROOM
A2.103 3/8" = 1'-0"



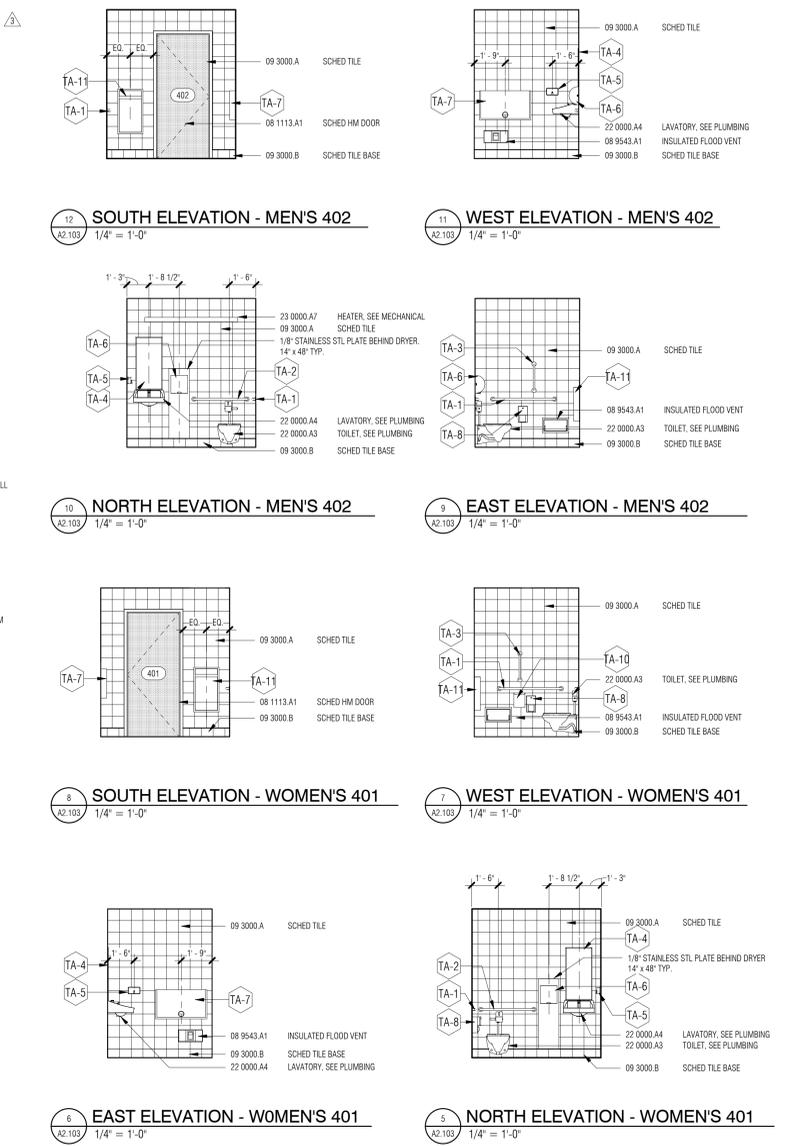
PLAN
3 ROOF PLAN - POOL RESTROOM
A2.103 3/8" = 1'-0"



PLAN
2 SLAB EDGE PLAN - POOL RESTROOM
A2.103 3/8" = 1'-0"



PLAN
1 FLOOR PLAN - POOL RESTROOM
A2.103 3/8" = 1'-0"



NO.	ITEM	MOUNTING HEIGHT	MFG.	MODEL NO.
TA-1	42" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (HORIZONTALLY MOUNTED)	34" TO T.O. BAR	BOBRICK	B-5806 x 42
TA-2	36" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (HORIZONTALLY MOUNTED)	34" TO T.O. BAR	BOBRICK	B-5806 x 36
TA-3	18" STAINLESS STEEL GRAB BAR w/ SATIN FINISH (VERTICALLY MOUNTED)	40" TO CL OF BOTTOM BAR	BOBRICK	B-5806 x 18
TA-4	18" x 36" LAMINATED SAFETY GLASS STAINLESS STL ANGLE FRAME MIRROR	40" TO B.O. REFLECTIVE SURFACE	BRADLEY	761
TA-5	SOAP DISPENSER w/ STAINLESS STL FINISH (SURFACE MOUNTED)	44" TO DISPENSER	BOBRICK	B-2112
TA-6	XLERATOR HAND DRYER (SURFACE MOUNTED)	37" TO B.O. DRYER	EXCEL DRYER	XL-SB
TA-7	BABY CHANGING STATION w/ STAINLESS STL FINISH (SURFACE MOUNTED)	34" TO WORK SURFACE	BOBRICK	KB110-SSWM
TA-8	TOILET TISSUE DISPENSER w/ STAINLESS STL FINISH (SURFACE-MOUNTED)	18" TO B.O. DISPENSER	BOBRICK	B-2888
TA-9	SINGLE SANITARY NAPKIN DISPOSAL	30" AFF	BOBRICK	B-4353
TA-11	RECESSED WASTE RECEPTACLE WITH LINER HOLDER	41" TO TOP OF RECEPTACLE	BOBRICK	B-43644

SYMBOL LEGEND:

MATERIALS

- FCB1 FIBER CEMENT BOARD ON 2x4 WD STUDS AT 12" O.C.
- OTS OPEN TO STRUCTURE

ANNOTATION

- GW/B1 9" O. AFF - CEILING TYPE
- CEILING ELEVATION

LIGHT FIXTURES

- RECESSED DOWNLIGHT

MECHANICAL

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- UNIT HEATER
- EXHAUST FAN

POWER & TELEDATA

- OCC OCCUPANCY SENSOR

LIFE SAFETY

- EXIT SIGN, ARROW INDICATED PATH OF TRAVEL
- FIRE ALARM DEVICE

MISC. FIXTURES

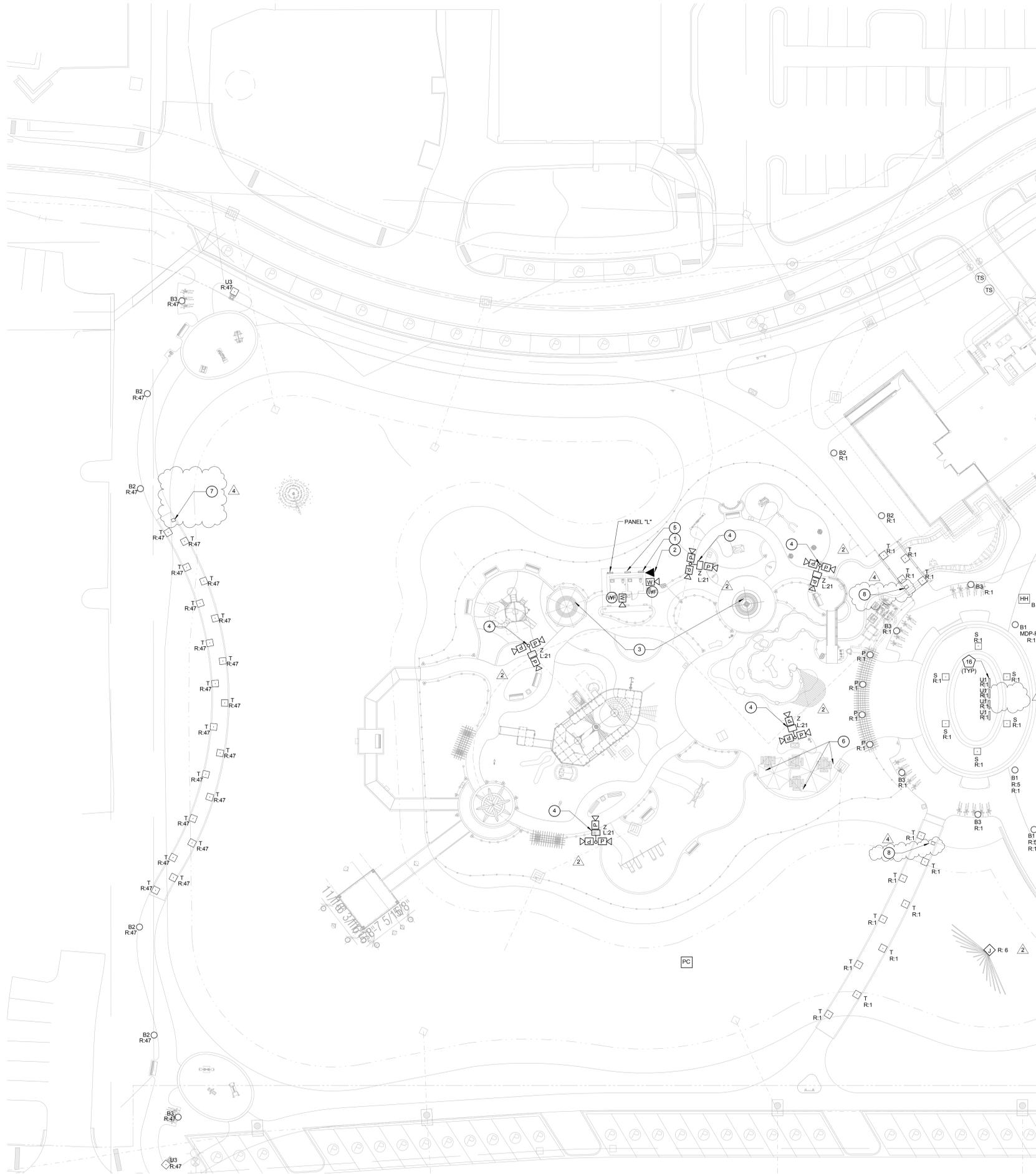
- CAP - 24" x 24" CEILING ACCESS PANEL BY NYSTRUM OR APPROVED EQUAL, MODEL NO. NT. CONCEALED PIANO HINGE, WITH KEY OPERATED CYLINDER PROVIDED IN HARDWARE SPEC. LOCATE ACCESS PANEL AS REQUIRED FOR MAINTENANCE TO THE MECHANICAL UNITS. LOCATE BETWEEN TRUSSES AND PROVIDE ADDITIONAL BLOCKING AS NECESSARY

DRAWN BY: MPM
CHECKED BY: EMB
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PROFESSIONAL STAMPS:



NO.	REVISION	DATE	BY
1	AD. 304	06/15/16	A2.103
2	AD. 304	08/09/16	A2.103
3	AD. 304	08/11/16	A2.103



KEY NOTES

- 1 FOUNTAIN CONTROL PANEL. POWER FOR ASSOCIATED PUMPS AND CONTROLS TO WATER FEATURE VAULT AND FOUNTAINS FROM CONTROL PANEL PROVIDED BY OTHERS.
- 2 PROVIDE EMERGENCY PHONE IN ACCORDANCE WITH HILTON HEAD ISLAND REQUIREMENTS. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. SEE ARCHITECTURAL DETAILS FOR MOUNTING.
- 3 PROVIDE RECESSED RECEPTACLE WITH WEATHERPROOF COVER IN BENCH. SEE ARCHITECTURAL DETAILS FOR MOUNTING.
- 4 CAMERAS MOUNTED TO LIGHT POLE.
- 5 NEMA 4X BOX. PROVIDE CONDUIT FROM COMMUNICATION DEVICES MOUNTED TO BUILDING AND MOUNTED TO POLES IN AREA BACK TO MEDIA CONVERTER. SEE DETAIL ON SHEET E0.002.
- 6 PROVIDE RECESSED RECEPTACLE WITH WEATHERPROOF COVER IN WOOD WALL. SEE ARCHITECTURAL DETAILS FOR MOUNTING.
- 7 PROVIDE 150W LOW VOLTAGE OUTDOOR-RATED TRANSFORMER COMPATIBLE WITH FIXTURE TYPE T-1. WAC 3075-TRN-SS OR APPROVED EQUAL. MOUNT UNDER WOODEN WALKWAY. COORDINATE LOCATION WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 8 PROVIDE 75W LOW VOLTAGE OUTDOOR-RATED TRANSFORMER COMPATIBLE WITH FIXTURE TYPE T-1. WAC 3075-TRN-SS OR APPROVED EQUAL. MOUNT UNDER WOODEN WALKWAY. COORDINATE LOCATION WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

GENERAL NOTES

1. COORDINATE WITH PALMETTO ELECTRIC FOR LIGHTING LAGOON ROAD EXTENSION. ROUTE 2 INCH CONDUIT WITH PULL STRING 36 INCHES BELOW FINISHED GRADE BETWEEN PALMETTO ELECTRIC PROVIDED FIXTURES AND TO UTILITY POWER SOURCE. STUB UP CONDUIT AT EACH FIXTURE LOCATION. PLACE LIGHTS IN ACCORDANCE WITH THE HILTON HEAD STREET LIGHTING GUIDELINES. FINAL PLACEMENT SHALL BE AT THE DISCRETION OF PALMETTO ELECTRIC FOR FIELD ADJUSTMENT. LIGHT POLES TO BE PROVIDED AND INSTALLED BY PALMETTO ELECTRIC. COORDINATE LIGHTING INSTALLATION WITH LANDSCAPE PLANS AND DETAILS.
2. PROVIDE CONDUIT FROM COMMUNICATION DEVICES SHOWN ON THIS SHEET BACK TO MEDIA CONVERTER MOUNTED ON POOL RESTROOM BUILDING.

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MWC
CHECKED BY:
DAW

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PROFESSIONAL STAMPS:

#	REVISION	DATE	BY
2	ADDENDUM 2	07/29/16	
4	ADDENDUM 4	08/09/16	

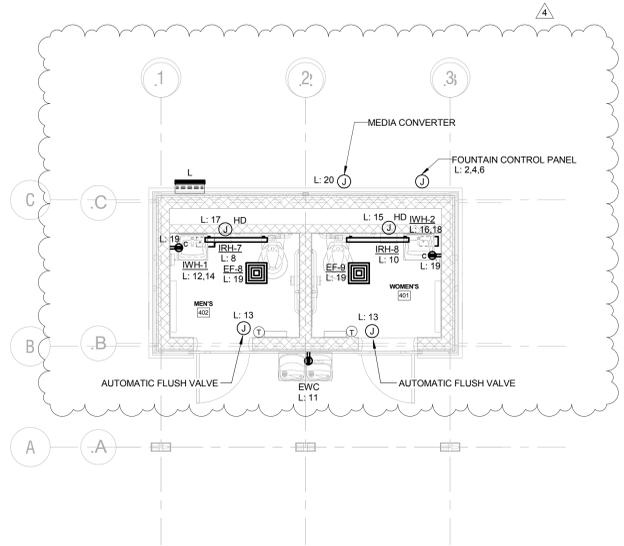
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06/30/2016
PROJECT NUMBER
01-16002
SHEET TITLE
ELECTRICAL SITE
PLAN PARK

SHEET
NUMBER
E0.061

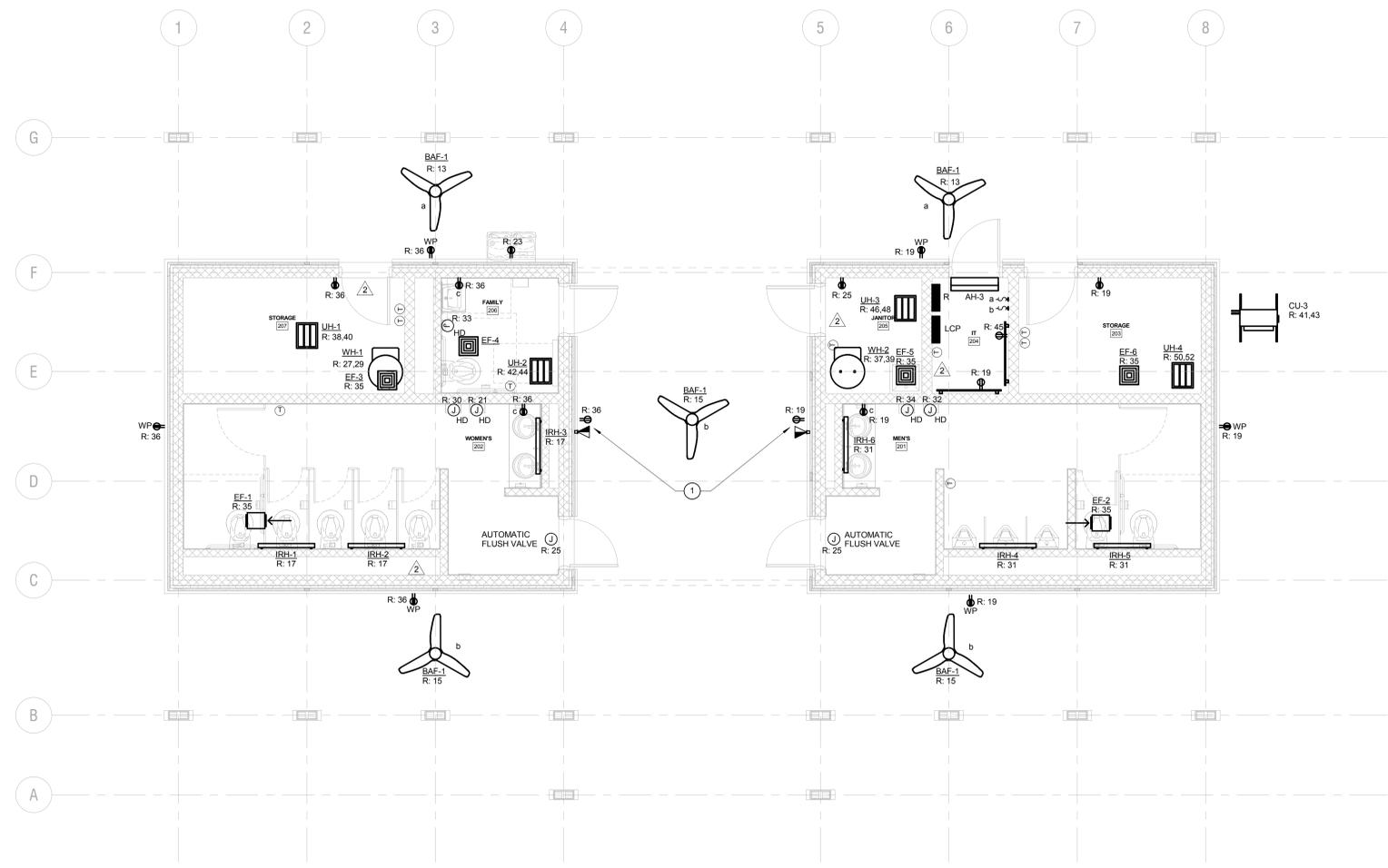
1 ELECTRICAL SITE PLAN - PARK
E0.061 SCALE: 1" = 20'-0"



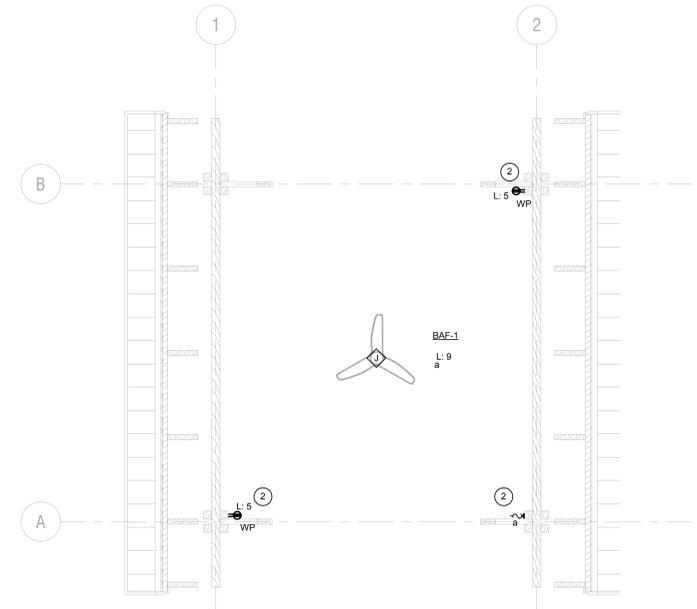
DWG Wood+Partners Inc. **WPI**
Landscape Architects
Land Planners



1 RESTROOM MAIN - POWER & TELECOM. PLAN
E3.101 SCALE: 1/4" = 1'-0"



2 RESTROOM MAIN - POWER & TELECOM. PLAN
E3.101 SCALE: 1/4" = 1'-0"



3 POND PAVILION - POWER & TELECOM. PLAN
E3.101 SCALE: 1/4" = 1'-0"

KEY NOTES

- 1 POWER/DATA FOR FUTURE VIDEO DISPLAYS. COORDINATE LOCATION AND MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.
- 2 COORDINATE WITH HANDRAIL INSTALLATION. USE MC CABLE TO ROUTE POWER THROUGH GAPS OF PAVILION FRAMING.

GENERAL NOTES

- 1. ALL EXPOSED CONDUIT SHALL BE RUN BEHIND AND ON TOP OF STRUCTURAL BEAMS TO MAXIMIZE CONCEALMENT. ALL EXPOSED CONDUIT SHALL BE PAINTED.
- 2. SEE SITE PLANS FOR CAMERA ROUGH-IN LOCATIONS.
- 3. COORDINATE POWER LOCATION AND ROUGH-IN OF AUTOMATIC PLUMBING FIXTURES WITH PLUMBING CONTRACTOR

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MWC
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#	REVISION	DATE	BY
2	ADDENDUM 2	07/29/16	
4	ADDENDUM 4	08/09/16	

DATE
06/30/2016
PROJECT NUMBER
01-16002
SHEET TITLE
RESTROOM
POWER &
TELECOM. PLANS

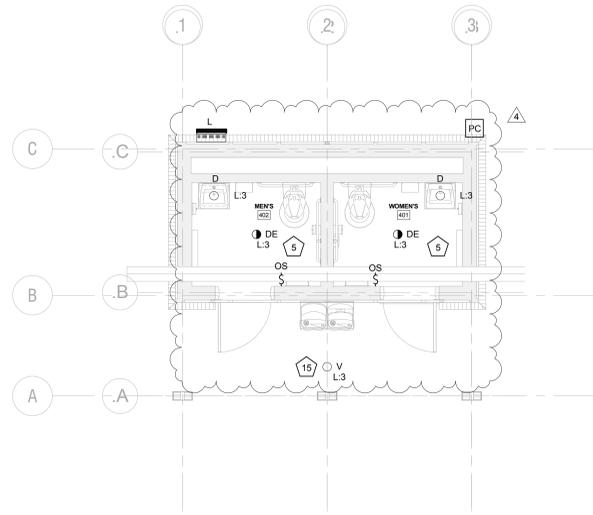


DWG Project No. 15008-00
PO Box 22848 ■ Hilton Head Island, SC 29925
843.681.6618 ■ Fax 843.681.7096 ■ www.woodpartners.com

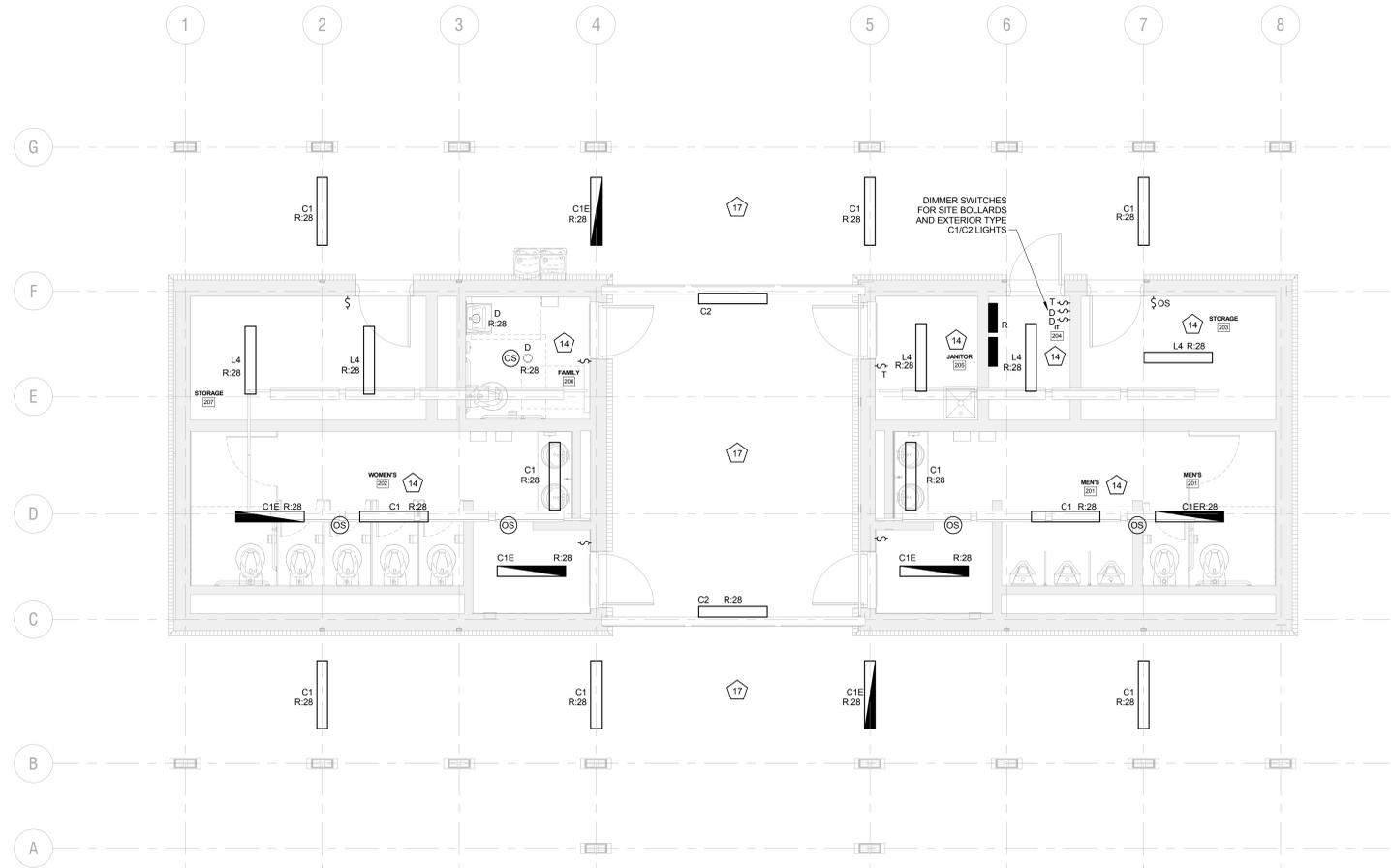
SHEET NUMBER
E3.101

CONSTRUCTION DOCUMENTS
FOR
COLIGNY PARK
Hilton Head Island, South Carolina

Town of Hilton Head Island
One Town Center Court
Hilton Head Island, SC 29928



1 POND RESTROOM - LIGHTING PLAN
E3.102 SCALE: 1/4" = 1'-0"



2 RESTROOM MAIN - LIGHTING PLAN
E3.102 SCALE: 1/4" = 1'-0"

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MWC
CHECKED BY:
DAW

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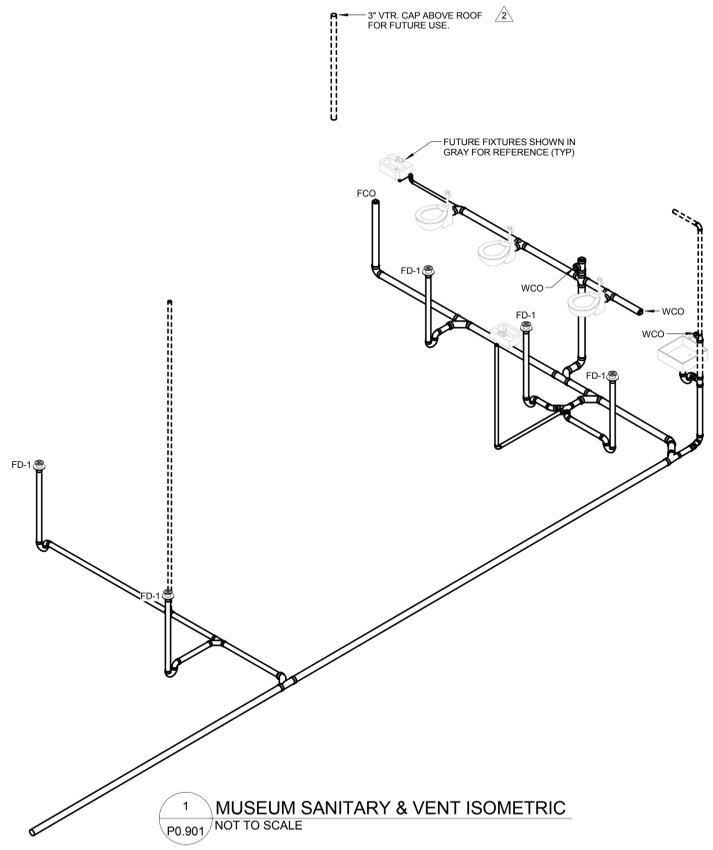
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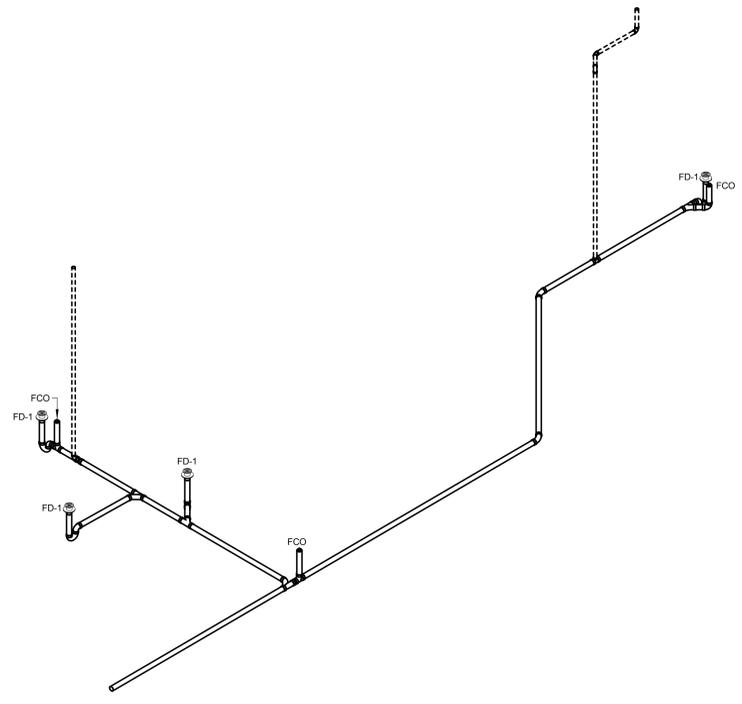
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PROJECT NUMBER
01-16002
SHEET TITLE
RESTROOM
LIGHTING PLANS

SHEET
NUMBER

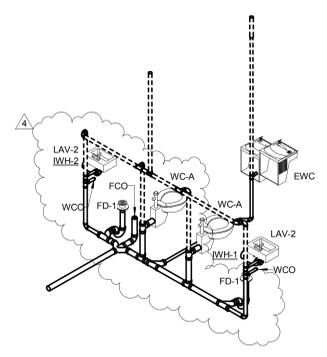
E3.102



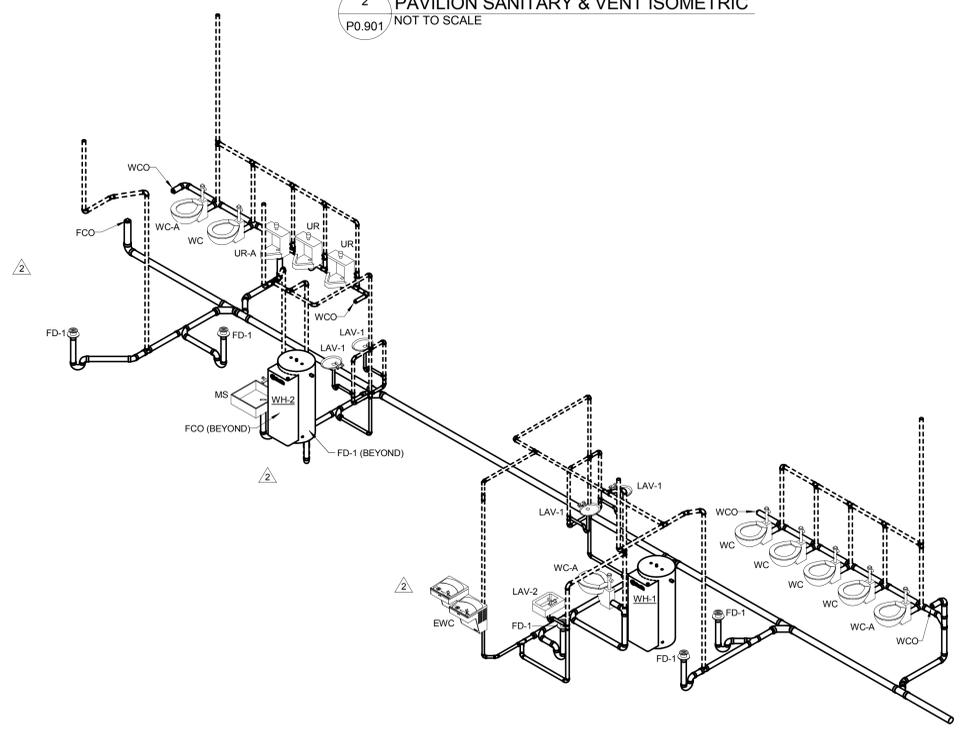
1 MUSEUM SANITARY & VENT ISOMETRIC
P0.901 NOT TO SCALE



2 PAVILION SANITARY & VENT ISOMETRIC
P0.901 NOT TO SCALE



3 POND RESTROOM SANITARY & VENT ISOMETRIC
P0.901 NOT TO SCALE



4 RESTROOM SANITARY & VENT ISOMETRIC
P0.901 NOT TO SCALE

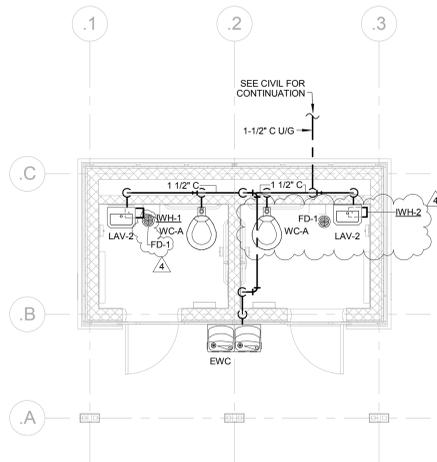
DRAWN BY:
KMM
CHECKED BY:
MAU
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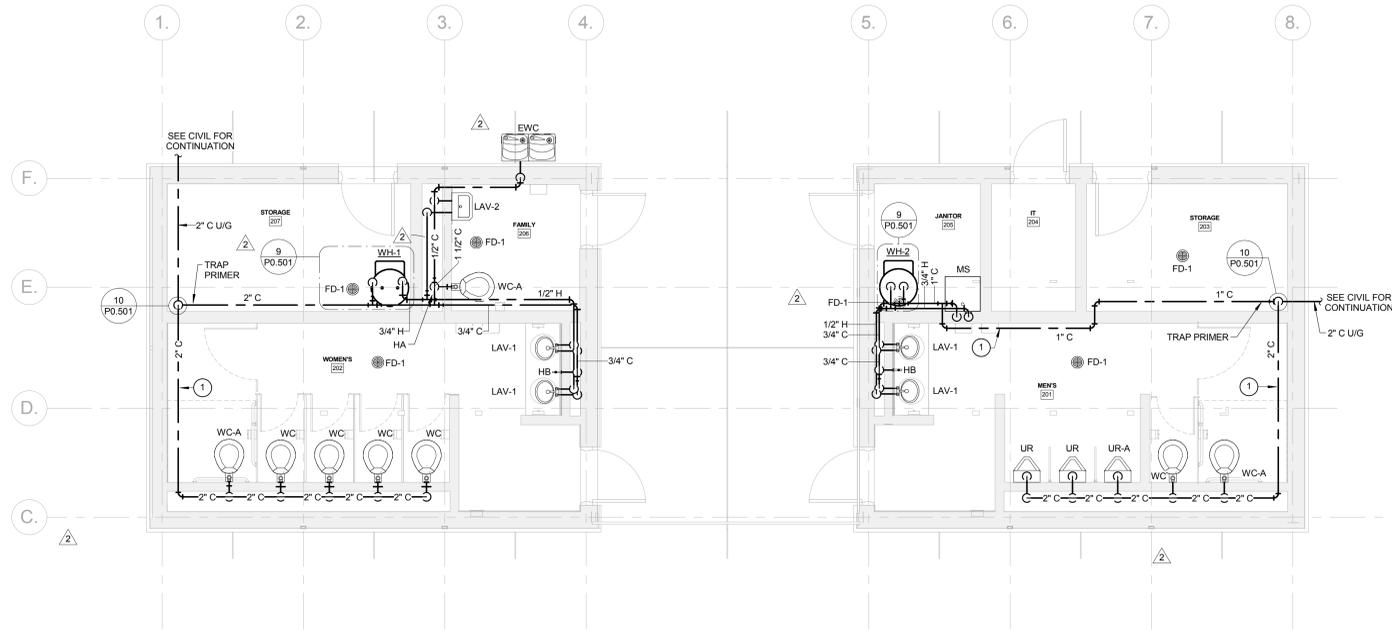
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2	ADDENDUM 2	07/29/16	
4	ADDENDUM 4	08/09/16	

DATE
06/30/2016
PROJECT NUMBER
01-16002
SHEET TITLE
PLUMBING
ISOMETRICS

SHEET
NUMBER
P0.901



1 POND RESTROOM - DOMESTIC HOT & COLD WATER PLAN
P2.101 SCALE: 1/4" = 1'-0"



2 RESTROOM - DOMESTIC HOT & COLD WATER PLAN
P2.101 SCALE: 1/4" = 1'-0"

KEY NOTES

- DO NOT ROUTE PIPING THROUGH IT ROOM. SUPPORT PIPING ON WALL AND PAINT TO MATCH WALL COLOR. INSTALL LABELS ON TOP OF PIPING OUT OF SIGHT FROM STANDING HEIGHT.

GENERAL NOTES

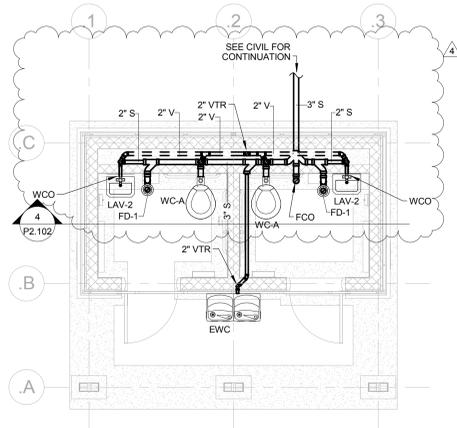
- WHERE PIPE SIZE IS NOT SHOWN, REFER TO FIXTURE SCHEDULE OR EQUIPMENT INSTALLATION MANUAL FOR CONNECTION SIZE.
- PROVIDE HAMMER ARRESTOR FOR EVERY FIXTURE. SEE DETAIL.
- ROUTE 1/2" C TRAP PRIMER PIPING TO ALL FLOOR DRAINS FROM DOMESTIC COLD WATER LINES. SEE DETAILS.
- IN AREAS WITH EXPOSED CEILING, PIPING SHALL BE ROUTED AS TIGHT TO STRUCTURE AS POSSIBLE, UNO.

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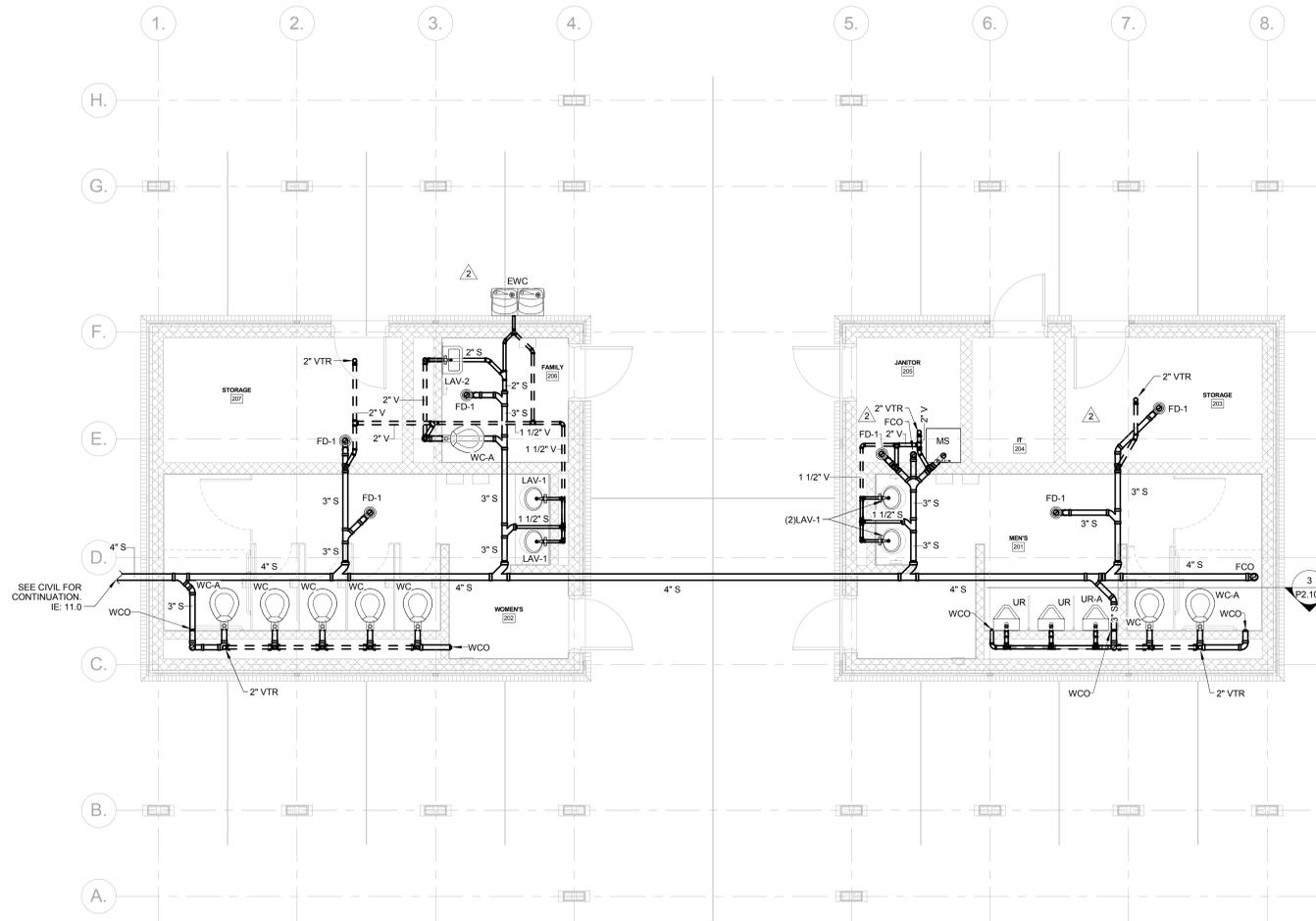
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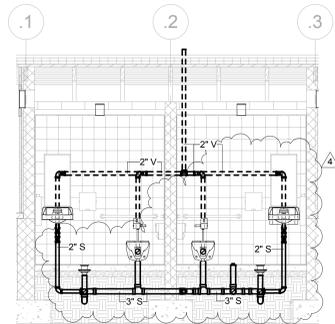
DATE
06/30/2016
PROJECT NUMBER
01-16002
SHEET TITLE
RESTROOM
DOMESTIC WATER
PLANS



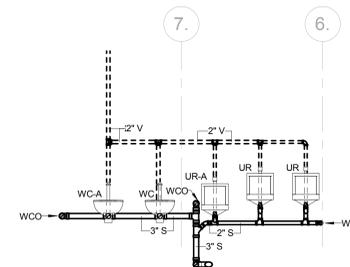
1 POND RESTROOM SANITARY & VENT PLAN
P2.102 SCALE: 1/4" = 1'-0"



2 RESTROOM SANITARY & VENT PLAN
P2.102 SCALE: 1/4" = 1'-0"



4 POND RESTROOM SANITARY & VENT SECTION
P2.102 NOT TO SCALE



3 RESTROOM MEN'S 201 SECTION
P2.102 NOT TO SCALE

GENERAL NOTES

- WHERE PIPE SIZE IS NOT SHOWN, REFER TO FIXTURE SCHEDULE OR EQUIPMENT INSTALLATION MANUAL FOR CONNECTION SIZE.
- PROVIDE TRAP PRIMER CONNECTION ON ALL FLOOR DRAINS.
- IN AREAS WITH EXPOSED CEILINGS, PIPING SHALL BE ROUTED AS TIGHT TO STRUCTURE AS POSSIBLE.
- ALL VENT PIPING IS DRAWN DIAGRAMMATICALLY FOR CLARITY. COORDINATE INSTALLATION OF VENT PIPING WITH OTHER TRADES.

DRAWN BY:
KMM

CHECKED BY:
MAU

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#	REVISION	DATE	BY
2	ADDENDUM 2	07/29/16	
4	ADDENDUM 4	08/09/16	

DATE
06/30/2016
PROJECT NUMBER
01-16002
SHEET TITLE
RESTROOM
SANITARY & VENT
PLANS