



**SYMBOLS**

	Interior Elevation Number		Ceiling Type
	Sheet Number		Ceiling Height
	Elevation Or Section Number Sheet Number		W: Wall Finish
	Detail Number Sheet Number		B: Base
	Door Number		F: Floor Finish
	New Column		C:SS-1 Casework Finish
	Existing Column		1 Revision Number
	Window Type		3 Accessory / Fixture Type
	Partition Type		Magnetic North
	Working Point Or Control Point		Plan North
	Room Name Room Number		& And
			@ At
			# Number Or Pound
			∅ Diameter
			⊕ Center Line
			⊞ Plate
			Dimension to Face of Material
			Dimension to Centerline of Structure

**MATERIALS**

	Concrete Masonry Unit		Wood - Continuous Lumber
	Brick		Wood - Blocking
	Concrete		Wood - Finish
	Porous Fill, Stone Or Gravel		Plywood - Small Scale
	Earth		Plywood - Large Scale
	Insulation - Batt, Blanket Or Loose		Gypsum Board
	Insulation - Rigid		Steel
	Glass In Elevation		Stone

**STANDARD ABBREVIATIONS**

AB	Anchor Bolt	DWG	Drawing	GL	Glass	NOM	Nominal	STA	Station
ADJ	Adjustable	E	East	GR	Grade	NTS	Not To Scale	STD	Standard
AFF	Above Finished Floor	EA	Each	GYP BD	Gypsum Board	OC	On Center	STL	Steel
AHU	Air Handling Unit	EIFS	Exterior Insulation and Finish System	HB	Hose Bibb	OD	Outside Diameter	STOR	Storage
ALUM	Aluminum	EJ	Expansion Joint	HC	Hollow Core	OF/CI	Owner Furnished/ Contractor Installed	STRUCT	Structure
ALT	Alternate	EL	Elevation	HDW	Hardware	OF/OI	Owner Furnished/ Owner Installed	SUSP	Suspended
APC	Acoustic Panel Ceiling	ELEC	Electrical	HM	Hollow Metal	OFF	Office	SYM	Symmetrical
APPROX	Approximate	ELEV	Elevator	HORIZ	Horizontal	OH	Overhead	T	Tread
ARCH	Architectural	EMER	Emergency	HP	High Point	OPG	Opening	T&G	Tongue & Groove
BD	Board	ENCL	Enclosure	HR	Hour	OPP	Opposite	TEL	Telephone
BITUM	Bituminous	EOS	Edge of Slab	HSS	Hollow Structural Section	OSB	Oriented Strand Board	THK	Thick
BLDG	Building	EPDM	Ethylene Propylene Piene Monomer Rubber	HT	Height	PCC	Precast Concrete	TOC	Top Of Concrete
BLKG	Blocking	EPS	Expanded Polystyrene Insulation	ID	Inside Diameter	PFCS	Perimeter Fire Containment System	TOF	Top Of Finish
BLM	Beam	EQ	Equal	IN	Inch	PL	Plate	TOM	Top Of Masonry
BRG	Bearing	EQUIP	Equipment	INS	Insulation	PLAM	Plastic Laminate	TOS	Top Of Steel
BSMT	Basement	ETR	Existing to Remain	INT	Interior	PLYWD	Plywood	TPO	Thermoplastic Polyolefin
BUR	Built-up Roofing	EW	Each Way	JAN	Janitor	PR	Pair	TYP	Typical
BW	Both Ways	EWC	Electric Water Cooler	JST	Joist	PSI	Pounds Per Square Foot	UNO	Unless Noted Otherwise
CAB	Cabinet	EXIST	Existing	JT	Joint	PTD	Painted	VCT	Vinyl Composition Tile
CB	Catch Basin	EXP	Expansion	LAB	Laboratory	PT	Pressure Treated	VERT	Vertical
CCTV	Closed Circuit Television	EXT	Exterior	LAM	Laminated	RTAC	Packaged Terminal Air Conditioner	VEST	Vestibule
CEM	Cement	FA	Fire Alarm	LAV	Lavatory	RVMT	Pavement	VIF	Verify In Field
CF/CI	Contractor Furnished / Contractor Installed	FD	Floor Drain	LCC	Lead Coated Copper	RD	Riser or Radius	W	West
CF/OI	Contractor Furnished / Owner Installed	FDN	Foundation	LP	Low Point	REF	Reference	W/	With
CI	Cast Iron	FE	Fire Extinguisher	LTR	Long Term Thermal Resistance	REFR	Refrigerator	W/O	Without
CIP	Cast-in-place	FEC	Fire Extinguisher Cabinet	LVL	Laminated V Lumber	REIN	Reinforced	WC	Water Closet
CJ	Control Joint	FHC	Fire Hose Cabinet	MAS	Masonry	REQD	Required	WD	Wood
CLG	Ceiling	FIN	Finish	MAX	Maximum	RES	Resilient	WH	Water Heater
CLO	Closet	FIXT	Fixture	MDF	Medium Density Fiberboard	RM	Room	WIC	Walk-in-Closet
CLR	Clear	FLR	Floor	MECH	Mechanical	RO	Rough Opening	WP	Working Point
CMU	Concrete Masonry Unit	FRJ	Fiberglass Reinforced Plastic	MEP	Mechanical, Electrical, Plumbing	RWC	Rain Water Conductor	WSCT	Wainscot
CNTR	Center	FRP	Fiberglass Reinforced Plastic	MFR	Manufacture	S	South	WT	Weight
COL	Column	FRT	Fire Retardant Treated	MIN	Minimum	SC	Solid Core	WWF	Welded Wire Fabric
COL	Column	FT	Foot	MISC	Miscellaneous	SCHED	Schedule	XPS	Extruded Polystyrene Insulation
CONC	Concrete	FTG	Footing	MO	Masonry Opening	SECT	Section		
CONST	Construction	FURR	Furring	MOD	Modified Bituminous	SF	Square Feet		
CONT	Continuous	FUT	Future	MUL	Mulch	SFRM	Spray Fire Resistive Materials		
CORR	Corridor	GA	Gauge	N	North	SIM	Similar		
CRS	Course(s)	GALV	Galvanized	N	North	SPEC	Specification		
CPT	Carpet	GFCI	Ground Fault Circuit Interrupter	NTS	Not In Contract	SPM	Single Ply Membrane		
CT	Ceramic Tile			OSB	Oriented Strand Board	SQ	Square		
				SS	Stainless Steel				

**KEY INFORMATION**

- Applicable Code(s) & Regulations For This Project:
  - 2012 IBC (International Building Code With Amendments)
  - 2012 IRC (International Residential Code With Amendments)
  - ICC/ANSI A117.1-2009 (Accessibility required by IBC)
  - 2010 ADA Standards for Accessible Design
  - Delaware State Fire Prevention Regulation 2009
  - 2009 Edition of Life Safety NFPA 101
- Occupancy Use Group(s): Not applicable.
- Construction Type(s): Not applicable.
- Project Description: Renovation of historic fountain.
- Type Of Construction: Renovation of existing.

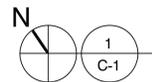
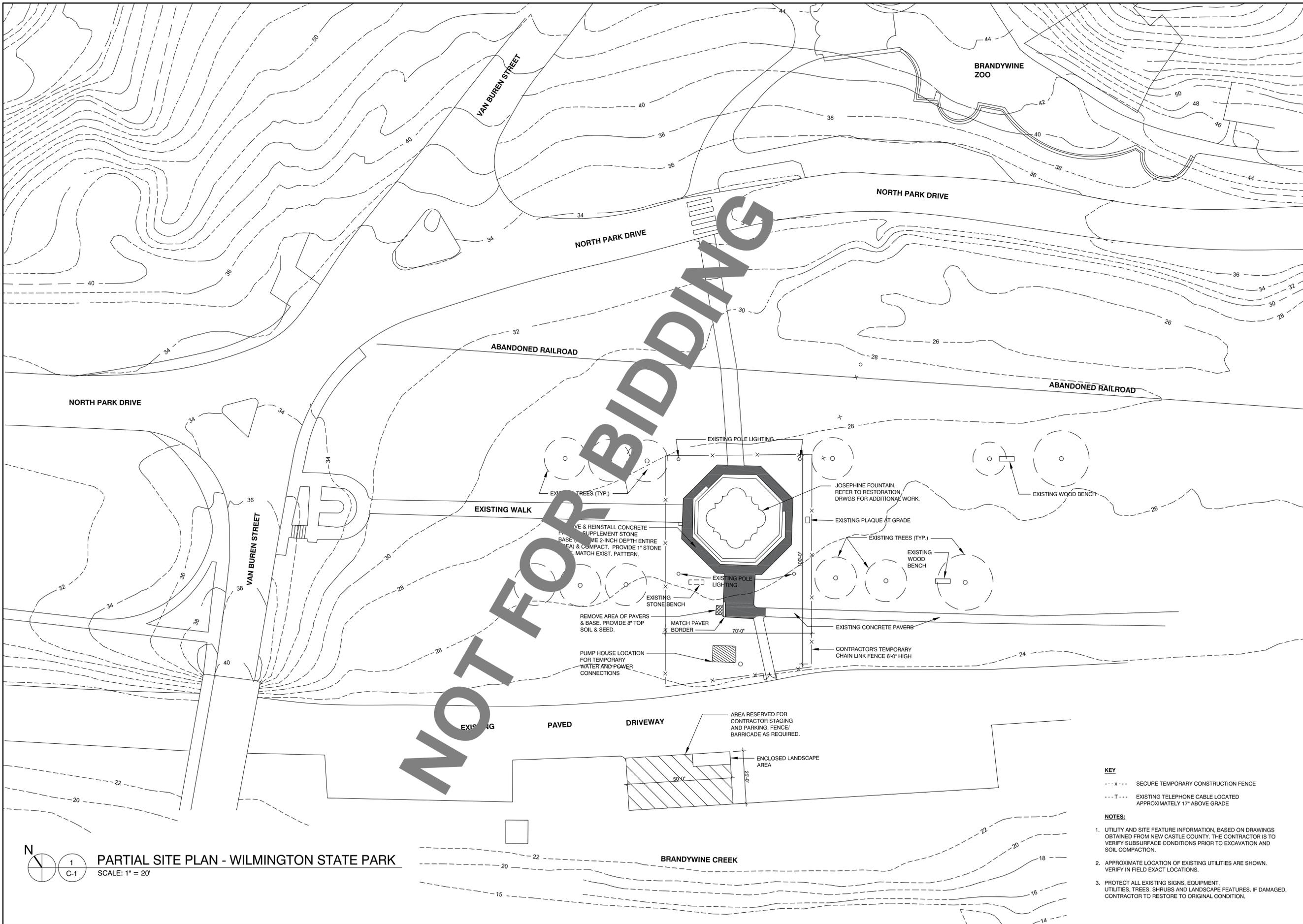
**GENERAL NOTES**

- All work shall be in accordance with applicable state and local building codes and all other governing agencies and regulations.
- Contractor shall verify all conditions and dimensions in the field prior to commencement of the work. Verify layout in relation to property, benchmarks, and other fixed conditions. Report discrepancies to the Architect immediately upon discovery.
- Notify Architect of discrepancies regarding the Contract Documents or design intent immediately upon discovery. Contractor shall be responsible for obtaining clarification prior to proceeding with the work or related work.
- Contractor shall obtain all required building permits and licenses.
- Contractor shall remove all rubbish and debris from the site during course of project, and dispose of legally off-site.
- Contractor shall perform all cutting, patching and protection required to complete the work indicated on the Contract Documents.
- Contractor shall provide all inspections and tests required by state and local authorities including but not limited to mechanical and electrical work. Refer to individual drawings and specifications for additional testing requirements.
- Unless indicated otherwise in Specifications, products and manufacturers are noted to establish the type and quality of materials to be provided. Contractor may submit proposed substitutions to the Architect for review, per Section 016000 Product Requirements. Contractor shall include costs associated with proposed substitution, including redesign, and alteration of adjacent work to accept substitution.
- All dimensions are either to face of masonry or the face of stud, unless noted otherwise. Drawings are not to be scaled.
- Install all equipment and materials per manufacturer's instructions and recommendations unless specifically otherwise indicated, or where local codes and regulations take precedence.
- Contractor shall provide supervision while any subcontractors or workers are on the job site and shall supervise and direct all work.
- Contractor shall be solely responsible for all construction means, methods, techniques, sequences, procedures, site safety, and coordinating the work of all trades under the contract.
- No products containing asbestos or other hazardous materials shall be installed on this project or used during the construction of the project. It shall be the responsibility of the Contractor to certify to the Owner that this requirement has been met. Subcontractors shall verify to the Contractor that no asbestos or other hazardous products are used in their work.
- Locations of rated fire/smoke separations and/or fire resistive structural protection are shown on documents. Provide complete assemblies to meet fire resistive requirements of the project including protection of structural elements and fire separation assemblies. Maintain the integrity of these assemblies at openings and penetrations including but not limited to fire or smoke dampers in ductwork, light fixture protection, electrical device box ratings, expansion joints, and sealants. Provide this protection by using complete building component systems approved by recognized authorities such as Underwriters Laboratories, Inc., Factory Mutual, or other building code accepted agencies. It is the responsibility of the Contractor to coordinate subcontractors and suppliers to accomplish this work during bidding, procurement, scheduling, sequencing and construction of the project.
- Delegated Design: When professional design services or certifications related to pre-manufactured structures, systems, materials, or equipment are required by these documents, the Architect/Engineer will specify performance and design criteria that such services must satisfy. The Contractor shall cause such services and certifications to be provided by properly licensed design professional, whose signature and seal shall appear on all drawings, calculations, Shop Drawings, and other related submittals. The Owner and Architect/Engineer shall be entitled to rely upon the accuracy and completeness of those delegated services. The Architect/Engineer will review submittals only for the limited purpose of checking for conformance with the performance and design criteria.

NOT FOR BIDDING

<p>DESIGNED BY: O.D.D.</p> <p>DRAWN BY: O.D.D.</p> <p>BUILDING NO.: N/A</p> <p>DATE: 03\27\2017</p> <p>SCALE: AS NOTED</p> <p>SHEET NO.: <b>G-2</b></p> <p>PARKS PROJECT #: WB-18</p> <p>CONTRACT #: 2016-WB-100</p>	<p>BY:</p> <p>DESCRIPTION:</p> <p>DATE:</p> <p style="text-align: center;"><b>JOSEPHINE FOUNTAIN RESTORATION</b> WILMINGTON STATE PARK WILMINGTON, DELAWARE</p> <p style="text-align: center;"><b>GENERAL NOTES, ABBREVIATIONS &amp; SYMBOLS</b></p>
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**PARTIAL SITE PLAN - WILMINGTON STATE PARK**  
 SCALE: 1" = 20'

**KEY**  
 - - - - - SECURE TEMPORARY CONSTRUCTION FENCE  
 - - - - - EXISTING TELEPHONE CABLE LOCATED APPROXIMATELY 17" ABOVE GRADE

**NOTES:**  
 1. UTILITY AND SITE FEATURE INFORMATION, BASED ON DRAWINGS OBTAINED FROM NEW CASTLE COUNTY, THE CONTRACTOR IS TO VERIFY SUBSURFACE CONDITIONS PRIOR TO EXCAVATION AND SOIL COMPACTION.  
 2. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. VERIFY IN FIELD EXACT LOCATIONS.  
 3. PROTECT ALL EXISTING SIGNS, EQUIPMENT, UTILITIES, TREES, SHRUBS AND LANDSCAPE FEATURES. IF DAMAGED, CONTRACTOR TO RESTORE TO ORIGINAL CONDITION.

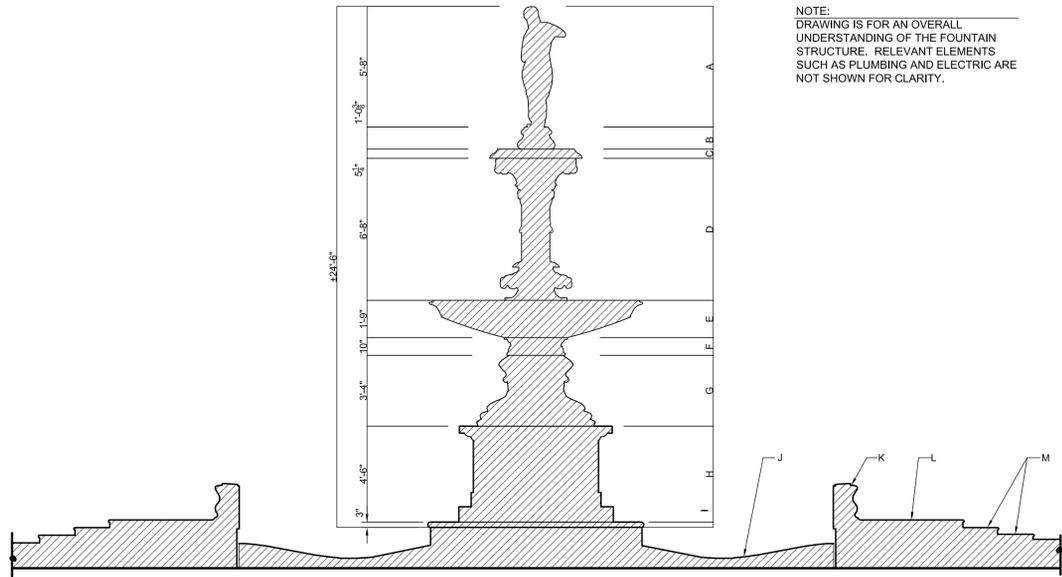
DATE:	DESCRIPTION:	BY:

**JOSEPHINE FOUNTAIN RESTORATION**  
 WILMINGTON STATE PARK  
 WILMINGTON, DELAWARE

**SITE PLAN**



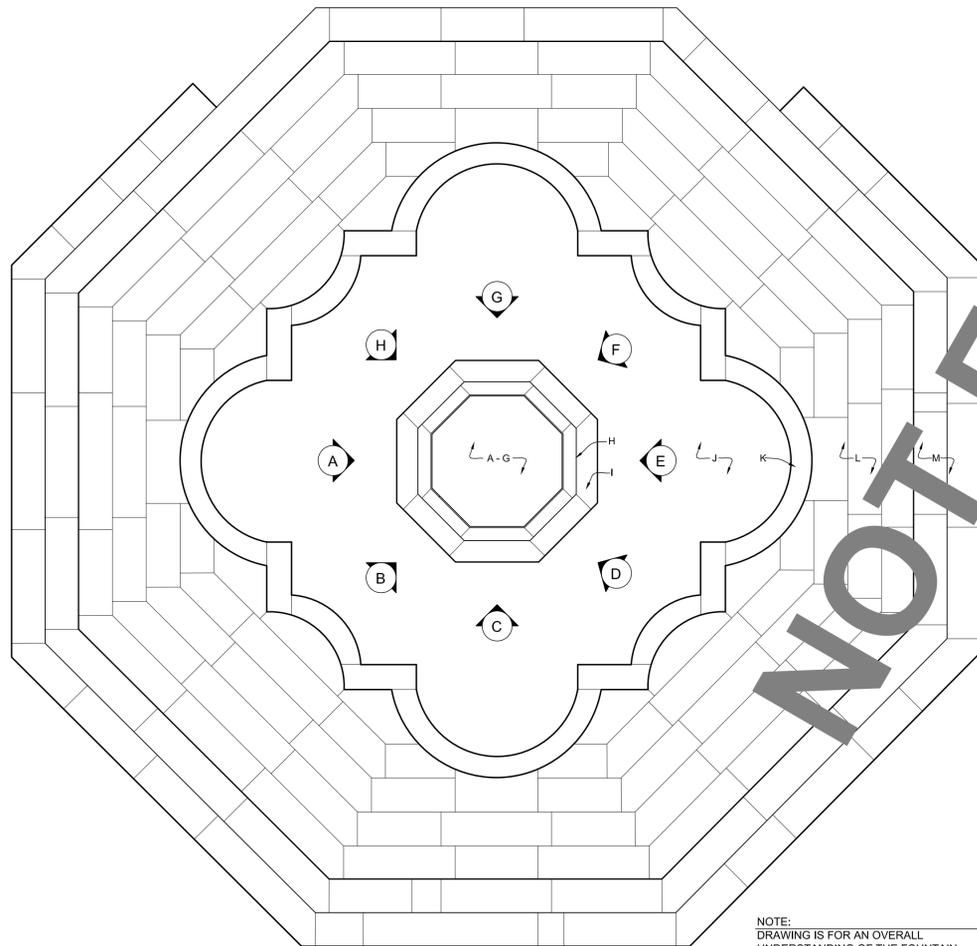
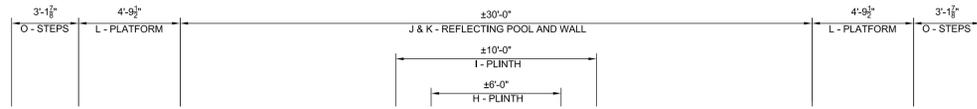
DESIGNED BY:	O.D.D.
DRAWN BY:	O.D.D.
BUILDING NO.:	O.D.D.
DATE:	03/27/2017
SCALE:	1" = 20'
SHEET NO.:	<b>C-1</b>
PARKS PROJECT #:	WB-18
CONTRACT #:	2016-WB-100



NOTE:  
DRAWING IS FOR AN OVERALL  
UNDERSTANDING OF THE FOUNTAIN  
STRUCTURE. RELEVANT ELEMENTS  
SUCH AS PLUMBING AND ELECTRIC ARE  
NOT SHOWN FOR CLARITY.



2  
A-1 KEY SECTION  
SCALE: 1/14" = 1'-0"



NOTE:  
DRAWING IS FOR AN OVERALL  
UNDERSTANDING OF THE FOUNTAIN  
STRUCTURE. RELEVANT ELEMENTS  
SUCH AS PLUMBING AND ELECTRIC ARE  
NOT SHOWN FOR CLARITY.

1  
A-2 KEY PLAN  
SCALE: 1/14" = 1'-0"

3  
A-3 KEY ELEVATION  
NO SCALE

LIST OF MASONRY DRAWINGS	
NO.	DRAWINGS
SHEET A-1	KEY PLAN, KEY SECTION, KEY ELEVATION, SCOPE OF WORK, LIST OF DRAWINGS, MASONRY BID ALTERNATES, KEY ELEMENTS TABLE, PLOT PLAN
SHEET A-2	STEP PLAN, BASE BID SCOPE OF WORK AT STEPS, BID ALTERNATE #1 SCOPE OF WORK, RESTORATION NOTES, BID ALTERNATE #1 STEP SECTION.
SHEET A-3	BASIN WALL EXTERIOR ELEVATIONS, BASIN WALL INTERIOR ELEVATIONS, BASIN WALL PLAN, BASIN SECTION, RESTORATION NOTES
SHEET A-4	BASE & PLINTH PLAN, BASE & PLINTH ELEVATIONS, RESTORATION NOTES
SHEET A-5	COLUMN, RESTORATION NOTES
SHEET A-6	MERMAIDS, PLAQUE, MAIN BOWL, FIGURE PEDESTAL, MAIN BOWL PEDESTAL, FIGURE, UPPER BOWL, RESTORATION NOTES

**SCOPE OF MASONRY RESTORATION WORK**

**HISTORY**

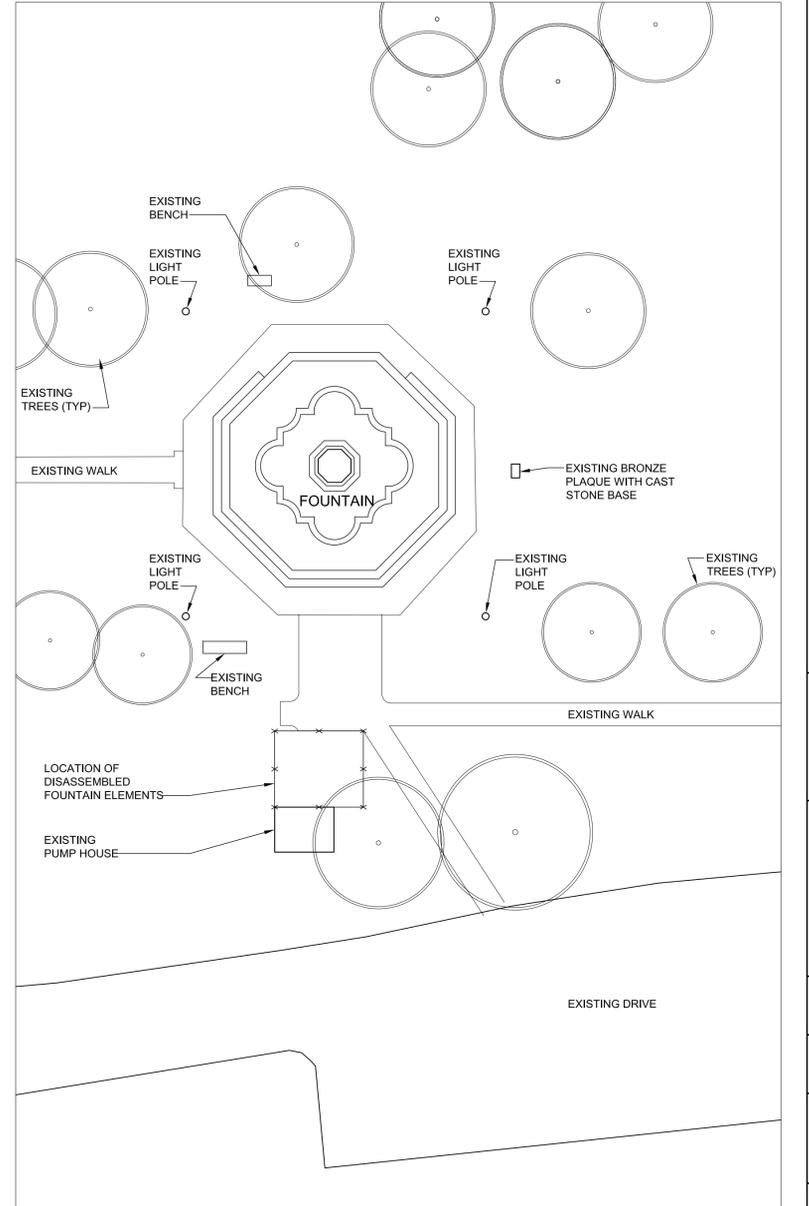
1. THE FOUNTAIN WAS CONSTRUCTED IN 1933 OF DOLOMITIC LIMESTONE.
2. TWO MAJOR REPAIR CAMPAIGNS: ONE IN 1979 AND THE OTHER IN 1995
3. SOME ELEMENTS HAVE BEEN REPLACED WITH INDIANA LIMESTONE AND OTHERS WITH CAST STONE. REFER TO KEY TABLE ON SHEET A-1
4. IN 2015, A CONDITION ASSESSMENT OF THE FOUNTAIN DETERMINED THAT KEY STRUCTURAL ELEMENTS, THE MERMAIDS, WERE DETERIORATED BEYOND THEIR USEFUL LIFE.
5. IN 2016, THE FOUNTAIN WAS DISASSEMBLED IN ORDER TO REMOVE THE MERMAIDS.
6. THE MERMAIDS WERE LASER SCANNED AND A 3-D MODEL WAS DEVELOPED.
7. THE DISASSEMBLED ELEMENTS WERE PLACED IN PROTECTIVE CRATES AND STORED ON SITE.

**SCOPE OF WORK:**

8. CONSERVE ALL SALVAGED FOUNTAIN ELEMENTS INCLUDING THOSE IN-SITU AND THOSE IN CRATES. PREPARE EXISTING ELEMENTS FOR REASSEMBLY. CONSERVATION INCLUDES BUT MAY NOT BE LIMITED TO:
  - a. CLEANING ALL THE SURFACES OF BIOLOGICAL GROWTH AND GENERAL SOILING;
  - b. CLEANING OF SPECIFIC STAINING AND DISCOLORATION;
  - c. RAKING ALL EXISTANT MORTAR AND SEALANT JOINTS;
  - d. REMOVAL OF DETERIORATED MASONRY AND IN-APPROPRIATE PATCHING;
  - e. CONSOLIDATION OF ALL SURFACES OF THE PLINTH, BASE AND COLUMN;
  - f. STABILIZATION OF SMALL CRACKS (LESS THAN 1/8");
  - g. FILLING LARGER CRACKS (GREATER THAN OR EQUAL TO 1/8");
  - h. REBUILDING THE SURFACE WITH COMPOSITE PATCHING MORTAR;
  - i. CLEANING SURFACES OF MORTAR AS REQUIRED FOR REINSTALLATION;
  - j. ALL CONSERVATION OF THE SCULPTURAL ELEMENTS (A - J) SHALL BE COMPLETED BY A CONSERVATOR.
9. RECREATE THE MERMAIDS IN CAST STONE USING 3D MODEL, ELECTRONIC FILE PROVIDED BY OWNER, TO MATCH THE DOLOMITIC LIMESTONE ELEMENTS.
10. REFINISH THE POOL BASIN.
11. INSTALL NEW PLUMBING AND ELECTRICAL.
12. REASSEMBLE THE ELEMENTS IN ORIGINAL PLACEMENT.
13. BACK POINT AND FINISH POINT ALL MASONRY JOINTS DURING ASSEMBLY.

MASONRY BID ALTERNATES	
ALTERNATE #1	REMOVE, SALVAGE AND REINSTALL CAST STONE STEPS. REFER TO SHEET A-6.
ALTERNATE #2	PROVIDE LASER SCAN AND 3D MODEL OF THE CONSERVED COLUMN FOR THE OWNERS RECORDS.
ALTERNATE #3	DELETE THE INFILL OF EXISTING LIGHTING CAVITIES WITH CONCRETE. ADD/REPLACE EXISTING LIGHT FIXTURES WITH NEW WATERPROOF VANDAL PROOF FIXTURES.

KEY TABLE							
KEY	NAME	DESCRIPTION	# OF ELEMENTS	CURRENT LOCATION	TREATMENT	SEE FOR FURTHER DETAILS	
STATUARY	A	FIGURE	INDIANA LIMESTONE CARVED FIGURE	1	STORED ON SITE	CONSERVATION	SHEET A-6 - CONSERVATOR ONLY
	B	FIGURE PEDESTAL	CAST STONE	1	STORED ON SITE	CONSERVATION	SHEET A-6 - CONSERVATOR ONLY
	C	UPPER BOWL	CAST STONE	1	STORED ON SITE	CONSERVATION	SHEET A-6 - CONSERVATOR ONLY
	D	COLUMN	ORIGINAL LIMESTONE	1	STORED ON SITE	CONSERVATION	SHEET A-5 - CONSERVATOR ONLY
	E	MAIN BOWL	CAST STONE	1	STORED ON SITE	CONSERVATION	SHEET A-6 - CONSERVATOR ONLY
	F	MAIN BOWL PEDESTAL	CAST STONE	1	STORED ON SITE	CONSERVATION	SHEET A-6 - CONSERVATOR ONLY
	G	MERMAIDS	ORIGINAL LIMESTONE	8	STORED ON SITE	REPLICATION	SHEET A-6 - CONSERVATOR ONLY
	H	PLINTH	MIXTURE OF ORIGINAL AND INDIANA LIMESTONE	56	IN PLACE	CONSERVATION	SHEET A-4 - CONSERVATOR ONLY
	I	BASE	ORIGINAL LIMESTONE	8	IN PLACE	CONSERVATION	SHEET A-4 - CONSERVATOR ONLY
POOL	J	BASIN	CONCRETE	-	IN PLACE	RESTORATION	SHEET A-3
	K	BASIN WALL	LIMESTONE	-	IN PLACE	RESTORATION	SHEET A-3
	L	PLATFORM	CAST STONE	-	IN PLACE	RESTORATION	SHEET A-2
	M	STEPS	CAST STONE	-	IN PLACE	RESTORATION	SHEET A-2



4  
A-1 PLOT PLAN  
SCALE: 1/16" = 1'-0"

**BY:** KEC

**DESCRIPTION:** 11.22.16 SCHEMATIC SUBMISSION  
1.20.17 CD SUBMISSION

**DATE:** 11.22.16 SCHEMATIC SUBMISSION  
1.20.17 CD SUBMISSION

**JOSEPHINE FOUNTAIN RESTORATION**  
WILMINGTON STATE PARK  
WILMINGTON, DELAWARE

**CONSERVATION**

DELAWARE DEPARTMENT OF NATURAL RESOURCES  
AND ENVIRONMENTAL CONTROL

**MATERIALS CONSERVATION**

**DATE:** March 27, 2017

**SCALE:** AS NOTED

**SHEET NO.:** A-1

**PARKS PROJECT #:** WB-18

**CONTRACT #:** 2016-WB-100

NOT FOR BIDDING

- BASE BID SCOPE OF WORK AT STEPS**
- A. RAKE ALL MORTAR JOINTS.
  - B. CONSERVE CAST STONE TREADS
  - C. REPLACE CAST STONE TREADS AS IDENTIFIED ON DRAWINGS. MATCH SHAPE, COLOR AND TEXTURE OF ORIGINAL TREADS.
  - D. REMOVE PARGING FROM RISERS.
  - E. RESTORE RISERS AS REQUIRED (ALLOW FOR 100 SQ FT OF COMPOSITE REPAIRS).
  - F. INSTALL NEW PARGING COAT ON RISERS AS PER TECHNICAL SPECIFICATIONS.

- BID ALTERNATE #1 SCOPE OF WORK**
- A. RAKE ALL MORTAR JOINTS
  - B. REMOVE AND SALVAGE ALL CAST STONE TREADS
  - C. IDENTIFY, NUMBER AND CATALOGUE EACH TREAD TO ENSURE REINSTALLATION IN THE ORIGINAL LOCATION
  - D. CONSERVE CAST STONE TREADS
  - E. REPLACE CAST STONE TREADS AS IDENTIFIED ON DRAWINGS. MATCH SHAPE, COLOR AND TEXTURE OF ORIGINAL TREADS.
  - F. REMOVE PARGING FROM RISERS.
  - G. RESTORE CONCRETE BASE AND RISERS AS REQUIRED (ALLOW FOR 200 SQ FT OF COMPOSITE REPAIRS).
  - H. APPLY SETTING BED MORTAR.
  - I. REINSTALL TREADS IN ORIGINAL LOCATION SO THAT MORTAR JOINTS ARE NO LARGER THAN 1/2". REINSTALLATION MUST PITCH TREADS (1/8" OVER 1'-0") AWAY FROM THE RISER TO ENSURE POSITIVE RUNOFF.
  - J. INSTALL NEW PARGING COAT ON RISERS AS PER TECHNICAL SPECIFICATIONS.

**RESTORATION NOTES**

- GENERAL REPAIR NOTES:**
1. PROTECT ALL ADJACENT SURFACES, VEGETATION, VEHICLES AND PASSERS-BY TO REMAIN FROM ALL RESTORATION AND PRESERVATION PROCEDURES.
  2. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
  3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS. DO NOT SCALE THE DRAWINGS.
  4. NOTE: ALL WORK COMPLETED ON THE SCULPTURAL ELEMENTS (A-1) AS WELL AS THE PLAQUE AND ITS BASE, MUST BE COMPLETED BY A QUALIFIED CONSERVATOR AS APPROVED IN ADVANCE BY THE AGENT OF THE OWNER. ALL WORK SHALL BE COMPLETED AS PER THE TREATMENT PLAN SUBMITTED BY THE CONSERVATOR AND APPROVED IN ADVANCE BY THE AGENT OF THE OWNER.
- CONCRETE NOTES:**
5. REMOVE ALL LOOSE OR DETERIORATED FINISHES.
  6. REMOVE ALL LOOSE OR DETERIORATION CONCRETE TO SOUND SURFACE OR TO A DEPTH AS PER CONCRETE REPAIR MORTAR REQUIREMENTS. PATCH AREA WITH CONCRETE REPAIR MORTAR. MATCH TEXTURE AND FINISH ADJACENT SOUND CONCRETE TO CREATE SMOOTH SOUND SURFACE.
  7. CLEAN OUT CRACKS OF DIRT, DEBRIS OR EXISTING PATCHING MORTAR. INFILL WITH CONCRETE RESTORATION MORTAR TO CREATE SMOOTH SOUND SURFACE. MATCH TEXTURE AND FINISH ADJACENT SOUND CONCRETE.
  8. SURFACE PREPARE AND PRIME THE CONCRETE BASIN. APPLY TWO COATS OF FINISH PAINT.
- MASONRY NOTES:**
9. REMOVE ALL MUD WASP NESTS FROM MASONRY.
  10. CLEAN ALL MASONRY OF BIOLOGICAL GROWTH AND GENERALIZED SOILING AS PER TECHNICAL SPECIFICATIONS AND MOCK-UPS AS APPROVED IN ADVANCE BY THE AGENT OF THE OWNER.
  11. REMOVE ALL COMPONENTS OF BUILT-UP MORTAR FROM HIDDEN SURFACES AS NEEDED TO FACILITATE REASSEMBLY OF THE FOUNTAIN.
  12. HAND RAKE ALL JOINTS OF MORTAR, CAULKS AND SEALANTS TO A DEPTH OF 1" OR TO SOUND MATERIAL. REPOINT WITH SPECIFIED MORTARS OR SEALANTS.
  13. CLEAN OUT MICRO CRACKS (MAX. 1/8 INCH) USING COMPRESSED AIR OR LOW PRESSURE WATER. APPLY LIME GROUT AS PER TECHNICAL SPECIFICATION TO CREATE A FLUSH SURFACE. DO NOT LEAVE PATCHING MORTAR ON THE ADJACENT MASONRY SURFACE. IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT STONE. ALLOW FOR 100 LN. FT. MORE THAN INDICATED.
  14. CONSOLIDATE ALL DOLOMITIC LIMESTONE SURFACES: PLINTH, BASE AND COLUMN. CONSOLIDATION SHALL OCCUR AFTER RAKING OF MORTAR JOINTS, REMOVAL OF PREVIOUS REPAIRS AND CLEANING BUT PRIOR TO REPOINTING OR REPAIRS.
  15. CLEAN OUT CRACKS (GREATER THAN OR EQUAL TO 1/8 INCH) OF DIRT, DEBRIS OR EXISTING PATCHING MATERIAL. INSTALL COMPOSITE PATCHING MORTAR AS PER TECHNICAL SPECIFICATION TO CREATE A FLUSH SURFACE. IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT MASONRY.
  16. REMOVE NON-MATCHING OR DETERIORATED PATCHES, AND LOOSE STONE TO SOUND SURFACES WHERE INDICATED ON DRAWINGS. REBUILD SURFACE WITH COMPOSITE PATCHING MORTAR AS PER TECHNICAL SPECIFICATIONS AND AS APPROVED IN ADVANCE WITH MOCK-UPS. AT SCULPTURAL ELEMENTS, CARVE THE SURFACE TO MATCH SIMILAR INTACT STONE SURFACES (I.E. A CHERUB FACE SHALL BE CARVED TO MATCH AN INTACT CHERUB FACE). IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT STONE.
  17. REMOVE THE NON-MATCHING PATCH WHERE INDICATED ON DRAWINGS. CARVE A DUTCHMAN REPAIR USING SALVAGED SOUND STONE FROM THE EXTANT MERMAIDS. USE ONLY SOUND STONE. INSTALL CARVED DUTCHMAN. IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE MORTAR TO ADJACENT STONE. THIS DUTCHMAN WILL REQUIRE RE-CARVING LETTERING. SUBMIT A MOCK-UP OF LETTERING PRIOR TO FINAL CARVING.
  18. REMOVE NON-MATCHING CAST STONE STEPS WHERE INDICATED ON DRAWINGS. INSTALL NEW CAST STONE STEPS MATCHING ORIGINAL CAST STONE IN SIZE, SHAPE, COLOR AND TEXTURE. IDENTIFY WITH THE AGENT OF THE OWNER A STEP TO USE FOR REPLICATION.

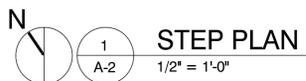
**CONDITION INDICATOR KEY**

- MICRO CRACK STABILIZATION AND SHELTER CAPPING
- REBUILD SURFACE
- REPAIR CRACK (GREATER THAN 1/8")
- REPLACE CAST STONE STEP

**CONDITION NOTE KEY**

- REPAIR CRACK. SEE MASONRY REPAIR NOTE #15.
- REMOVE PREVIOUS REPAIRS. REBUILD THE SURFACE WITH NEW COMPOSITE PATCHING MORTAR. SEE MASONRY REPAIR NOTE #16.
- REBUILD THE SURFACE WITH NEW COMPOSITE PATCHING MORTAR AT AREAS OF LOSS. SEE MASONRY REPAIR NOTE #16.
- STABILIZE MICRO CRACKING WITH LIME INFILL. SEE MASONRY REPAIR NOTE #13.
- REMOVE PREVIOUS REPAIRS. INSTALL DUTCHMAN REPAIR. SEE MASONRY REPAIR NOTE #17.
- REMOVE PREVIOUS REPLACEMENT STEP. INSTALL REPLICATION CAST STONE STEP MATCHING ORIGINAL STEPS IN SHAPE, COLOR AND TEXTURE. SEE MASONRY REPAIR NOTE #18.

NOTE: CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING DIMENSIONS. DO NOT SCALE THE DRAWINGS.



**STEP PLAN**  
1/2" = 1'-0"

RAKE AND REPOINT ALL MORTAR JOINTS, TYPICAL ENTIRE STEPS

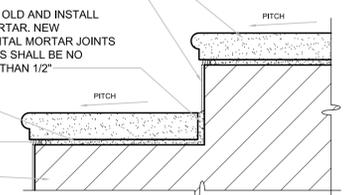
REMOVE PARGING ON RISERS. INSTALL NEW PARGING WITH A SMOOTH FINISH, TYPICAL AT ALL RISERS

REMOVE, SALVAGE AND REINSTALL EXISTING TREAD TO ESTABLISH HORIZONTAL MORTAR JOINTS NO LARGER THAN 1/2"

REMOVE EXISTING AND INSTALL NEW PARGING

REMOVE OLD AND INSTALL NEW MORTAR. NEW HORIZONTAL MORTAR JOINTS ON STEPS SHALL BE NO LARGER THAN 1/2"

NEW SETTING BED  
FINISHED POINTING MORTAR  
REPAIR EXISTING CONCRETE BASE

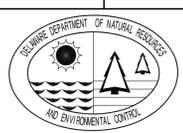


**2**  
A-2

**BID ALTERNATE #1 STEP SECTION**  
1-1/2" = 1'-0"

BY: KEC  
DATE: 11.22.16 SCHEMATIC SUBMISSION  
1.20.17 CD SUBMISSION

DESCRIPTION: JOSEPHINE FOUNTAIN RESTORATION  
WILMINGTON STATE PARK  
WILMINGTON, DELAWARE



**MATERIALS CONSERVATION**

DATE: March 27, 2017

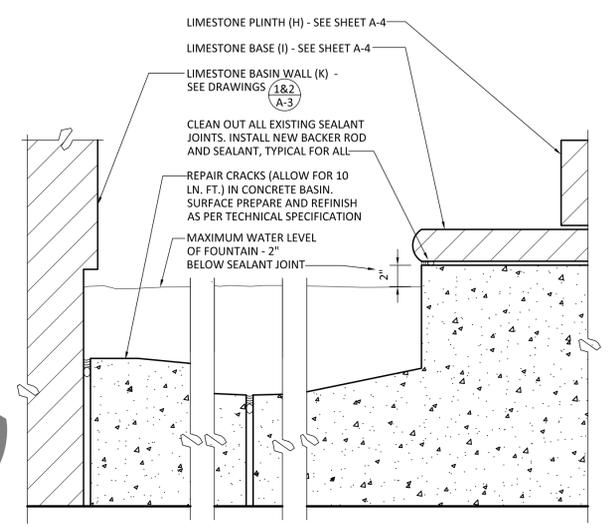
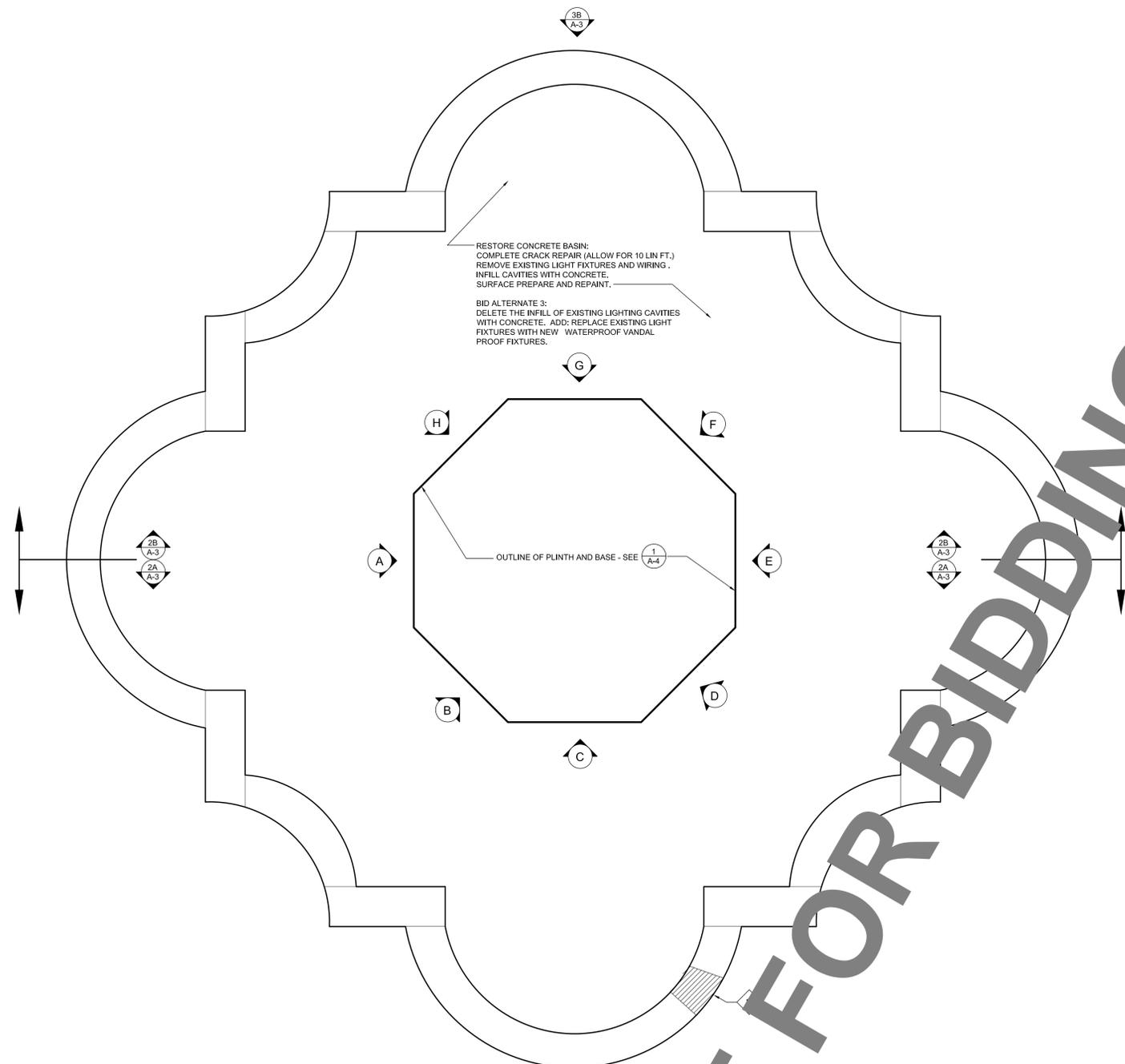
SCALE: AS NOTED

SHEET NO.: **A-2**

PARKS PROJECT #: WB-18

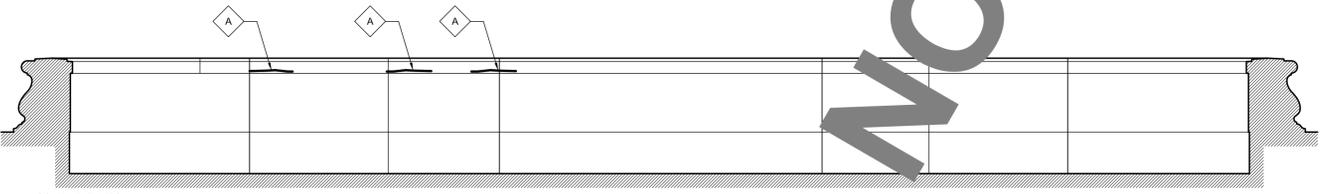
CONTRACT #: 2016-WB-100

CONSERVATION

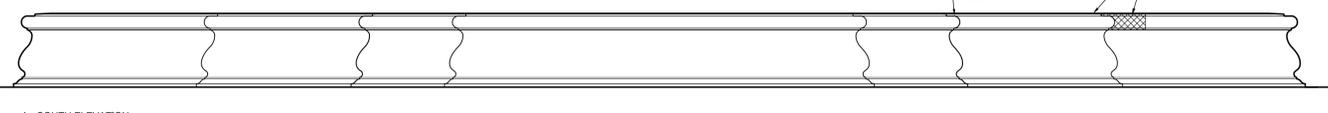


4 BASIN SECTION  
1-1/2" = 1'-0"

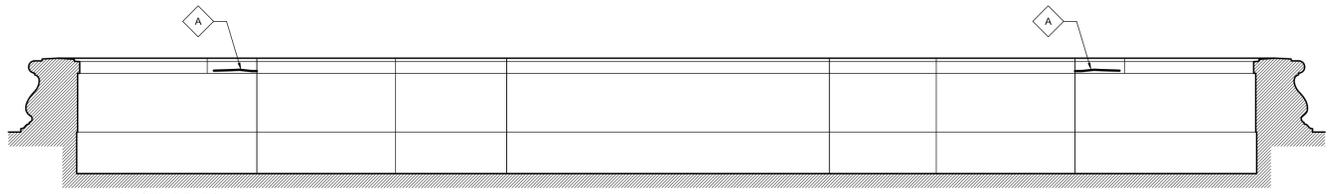
3 BASIN PLAN  
1/2" = 1'-0"



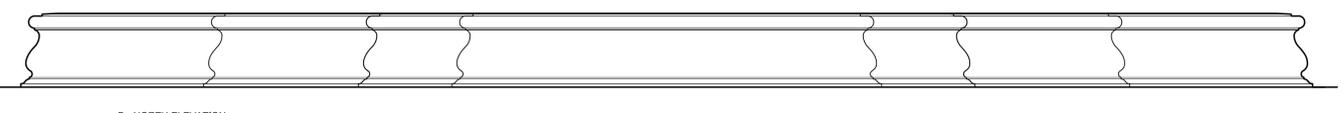
2 BASIN WALL INTERIOR ELEVATIONS  
1/2" = 1'-0"



1 BASIN WALL EXTERIOR ELEVATIONS  
1/2" = 1'-0"



B - NORTH ELEVATION



B - NORTH ELEVATION

RESTORATION NOTES

- GENERAL REPAIR NOTES:**
- PROTECT ALL ADJACENT SURFACES, VEGETATION, VEHICLES AND PASSERS-BY TO REMAIN FROM ALL RESTORATION AND PRESERVATION PROCEDURES.
  - CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
  - CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS. DO NOT SCALE THE DRAWINGS.
  - NOTE: ALL WORK COMPLETED ON THE SCULPTURAL ELEMENTS (A - I) AS WELL AS THE PLAQUE AND ITS BASE, MUST BE COMPLETED BY A QUALIFIED CONSERVATOR AS APPROVED IN ADVANCE BY THE AGENT OF THE OWNER. ALL WORK SHALL BE COMPLETED AS PER THE TREATMENT PLAN SUBMITTED BY THE CONSERVATOR AND APPROVED IN ADVANCE BY THE AGENT OF THE OWNER.
- CONCRETE NOTES:**
- REMOVE ALL LOOSE OR DETERIORATED FINISHES.
  - REMOVE ALL LOOSE OR DETERIORATION CONCRETE TO SOUND SURFACE OR TO A DEPTH AS PER CONCRETE REPAIR MORTAR REQUIREMENTS. PATCH AREA WITH CONCRETE REPAIR MORTAR. MATCH TEXTURE AND FINISH ADJACENT SOUND CONCRETE TO CREATE SMOOTH SOUND SURFACE.
  - CLEAN OUT CRACKS OF DIRT, DEBRIS OR EXISTING PATCHING MORTAR. INFILL WITH CONCRETE RESTORATION MORTAR TO CREATE SMOOTH SOUND SURFACE. MATCH TEXTURE AND FINISH ADJACENT SOUND CONCRETE.
  - SURFACE PREPARE AND PRIME THE CONCRETE BASIN. APPLY TWO COATS OF FINISH PAINT.
- MASONRY NOTES:**
- REMOVE ALL MUD WASP NESTS FROM MASONRY.
  - CLEAN ALL MASONRY OF BIOLOGICAL GROWTH AND GENERALIZED SOILING AS PER TECHNICAL SPECIFICATIONS AND MOCK-UPS AS APPROVED IN ADVANCE BY THE AGENT OF THE OWNER.
  - REMOVE ALL COMPONENTS OF BUILT-UP MORTAR FROM HIDDEN SURFACES AS NEEDED TO FACILITATE REASSEMBLY OF THE FOUNTAIN.
  - HAND RAKE ALL JOINTS OF MORTAR, CAULKS AND SEALANTS TO A DEPTH OF 1" OR TO SOUND MATERIAL. REPOINT WITH SPECIFIED MORTARS OR SEALANTS.
  - CLEAN OUT MICRO CRACKS (MAX. 1/8 INCH) USING COMPRESSED AIR OR LOW PRESSURE WATER. APPLY LIME GROUT AS PER TECHNICAL SPECIFICATION TO CREATE A FLUSH SURFACE. DO NOT LEAVE PATCHING MORTAR ON THE ADJACENT MASONRY SURFACE. IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT STONE. ALLOW FOR 100 LN. FT. MORE THAN INDICATED.
  - CONSOLIDATE ALL DOLOMITIC LIMESTONE SURFACES: PLINTH, BASE AND COLUMN. CONSOLIDATION SHALL OCCUR AFTER RAKING OF MORTAR JOINTS, REMOVAL OF PREVIOUS REPAIRS AND CLEANING BUT PRIOR TO REPOINTING OR REPAIRS.
  - CLEAN OUT CRACKS (GREATER THAN OR EQUAL TO 1/8 INCH) OF DIRT, DEBRIS OR EXISTING PATCHING MATERIAL. INSTALL COMPOSITE PATCHING MORTAR AS PER TECHNICAL SPECIFICATION TO CREATE A FLUSH SURFACE. IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT MASONRY.
  - REMOVE NON-MATCHING OR DETERIORATED PATCHES, AND LOOSE STONE TO SOUND SURFACES WHERE INDICATED ON DRAWINGS. REBUILD SURFACE WITH COMPOSITE PATCHING MORTAR AS PER TECHNICAL SPECIFICATIONS AND AS APPROVED IN ADVANCE WITH MOCK-UPS. AT SCULPTURAL ELEMENTS, CARVE THE SURFACE TO MATCH SIMILAR INTACT STONE SURFACES (I.E. A CHERUB FACE SHALL BE CARVED TO MATCH AN INTACT CHERUB FACE). IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT STONE.
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  - REMOVE NON-MATCHING CAST STONE STEPS WHERE INDICATED ON DRAWINGS. INSTALL NEW CAST STONE STEPS MATCHING ORIGINAL CAST STONE IN SIZE, SHAPE, COLOR AND TEXTURE. IDENTIFY WITH THE AGENT OF THE OWNER A STEP TO USE FOR REPLICATION.

CONDITION INDICATOR KEY

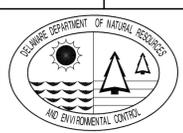
- MICRO CRACK STABILIZATION AND SHELTER CAPPING
- REBUILD SURFACE
- REPAIR CRACK (GREATER THAN 1/8")
- REPLACE CAST STONE STEP

CONDITION NOTE KEY

- A REPAIR CRACK. SEE MASONRY REPAIR NOTE #15.
- B REMOVE PREVIOUS REPAIRS. REBUILD THE SURFACE WITH NEW COMPOSITE PATCHING MORTAR. SEE MASONRY REPAIR NOTE #16.
- C REBUILD THE SURFACE WITH NEW COMPOSITE PATCHING MORTAR AT AREAS OF LOSS. SEE MASONRY REPAIR NOTE #16.
- D STABILIZE MICRO CRACKING WITH LIME INFILL. SEE MASONRY REPAIR NOTE #13.
- E REMOVE PREVIOUS REPAIRS. INSTALL DUTCHMAN REPAIR. SEE MASONRY REPAIR NOTE #17.
- F REMOVE PREVIOUS REPLACEMENT STEP. INSTALL REPLICATION CAST STONE STEP MATCHING ORIGINAL STEPS IN SHAPE, COLOR AND TEXTURE. SEE MASONRY REPAIR NOTE #18.

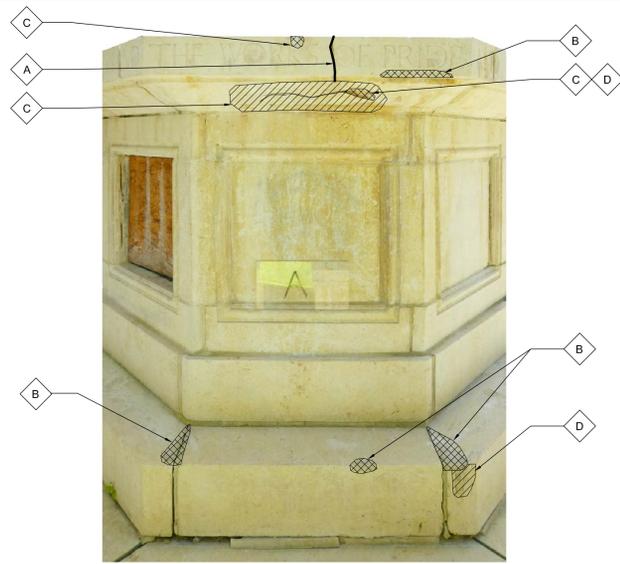
BY: KEC  
DATE: 11.22.16 SCHEMATIC SUBMISSION  
1.20.17 CD SUBMISSION

DESCRIPTION: JOSEPHINE FOUNTAIN RESTORATION  
WILMINGTON STATE PARK  
WILMINGTON, DELAWARE  
CONSERVATION

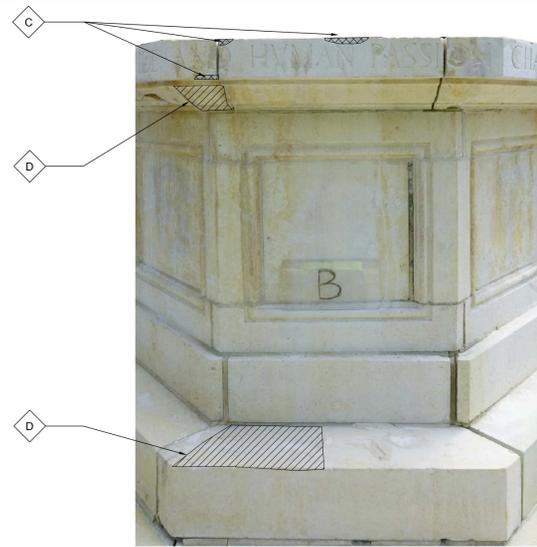


MATERIALS CONSERVATION

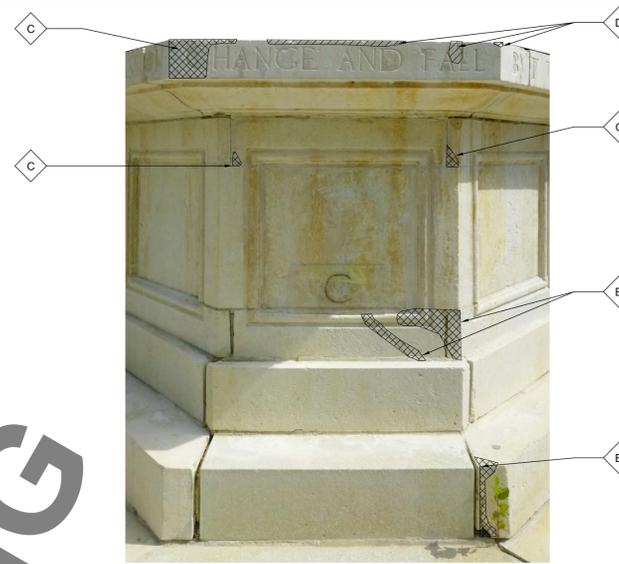
DATE: March 27, 2017  
SCALE: AS NOTED  
SHEET NO.: A-3  
PARKS PROJECT #: WB-18  
CONTRACT #: 2016-WB-100



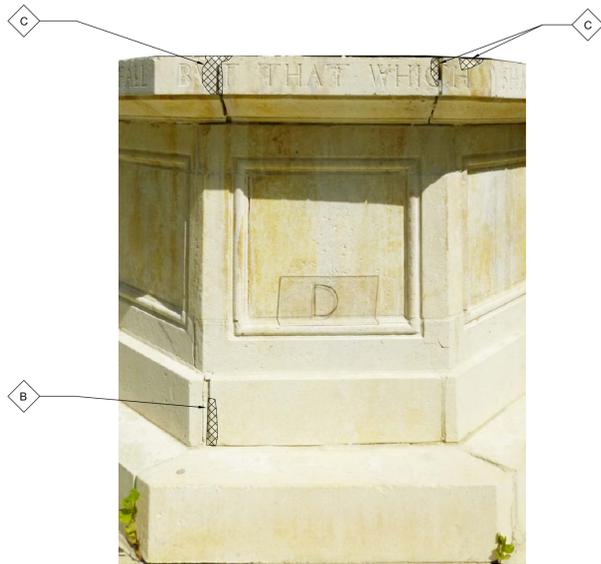
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D



ELEVATION E



ELEVATION F



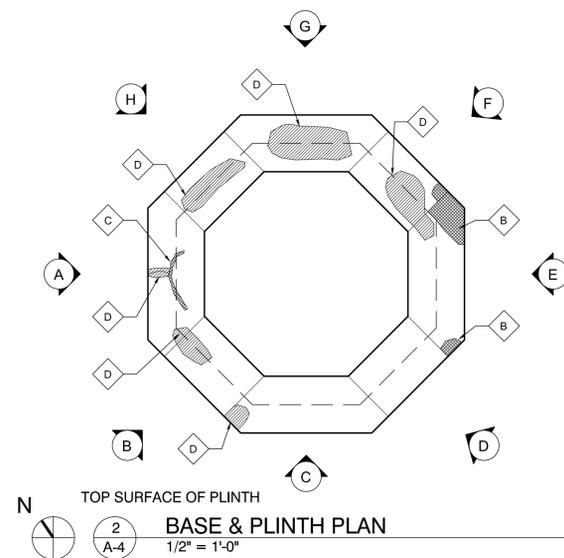
ELEVATION G



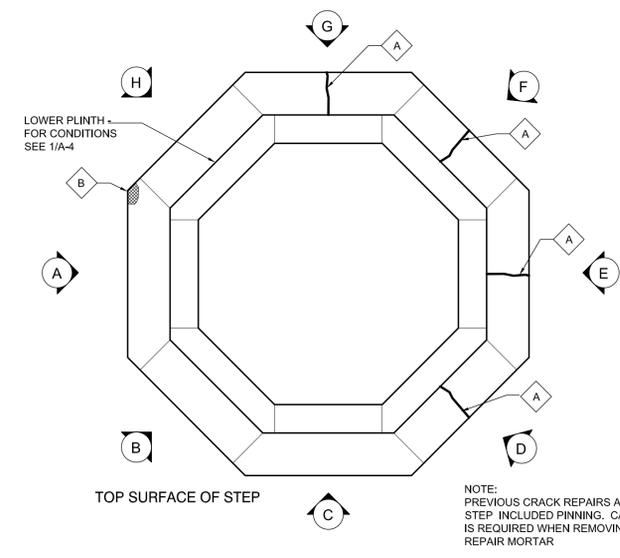
ELEVATION H

CLEAN INNER EDGES OF PLINTH AND REMOVABLE STONE PANEL. REINSTALL PANEL & POINT MORTAR JOINT AT EDGES

1 BASE & PLINTH ELEVATIONS  
A-4 NO SCALE



2 BASE & PLINTH PLAN  
1/2" = 1'-0"



NOTE: PREVIOUS CRACK REPAIRS AT STEP INCLUDED PINNING. CARE IS REQUIRED WHEN REMOVING REPAIR MORTAR

RESTORATION NOTES

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CONDITION INDICATOR KEY

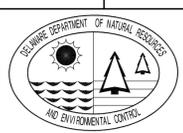
- MICRO CRACK STABILIZATION AND SHELTER CAPPING
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CONDITION NOTE KEY

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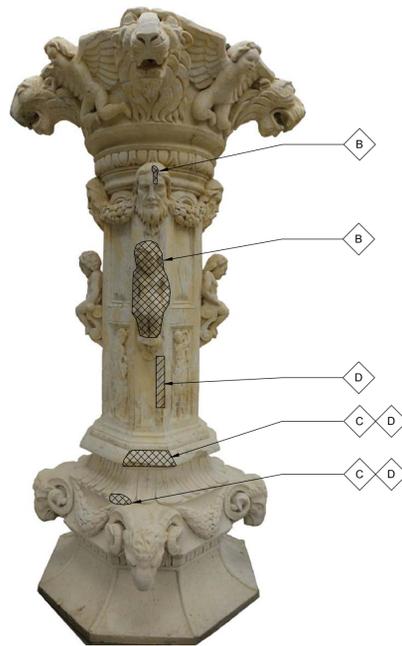
BY: KEC  
DATE: 11.22.16 SCHEMATIC SUBMISSION  
1.20.17 CD SUBMISSION  
DESCRIPTION:

JOSEPHINE FOUNTAIN RESTORATION  
WILMINGTON STATE PARK  
WILMINGTON, DELAWARE  
CONSERVATION

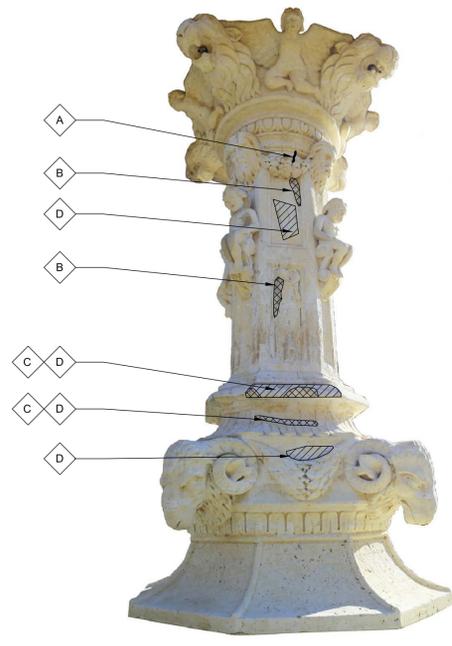


MATERIALS CONSERVATION

DATE: March 27, 2017  
SCALE: AS NOTED  
SHEET NO.: A-4  
PARKS PROJECT #: WB-18  
CONTRACT #: 2016-WB-100



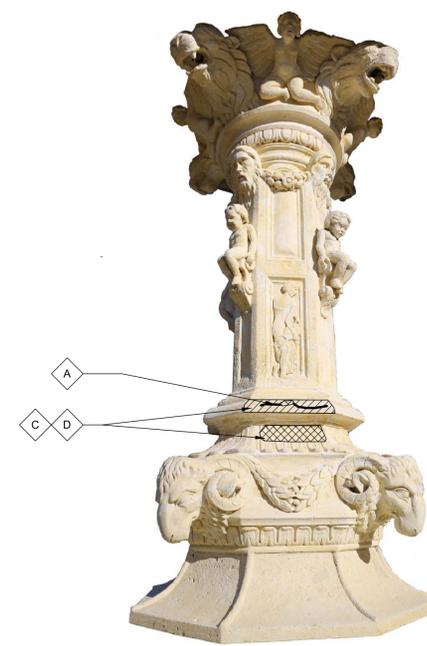
ELEVATION A



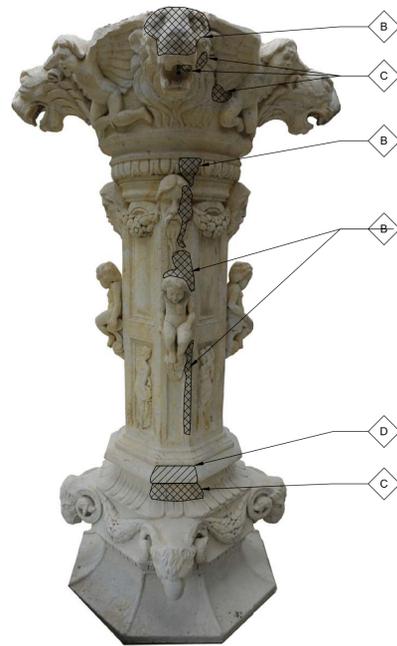
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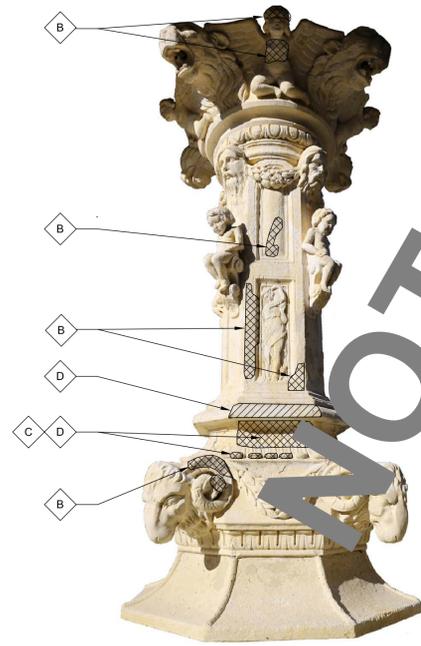
ELEVATION C



ELEVATION D



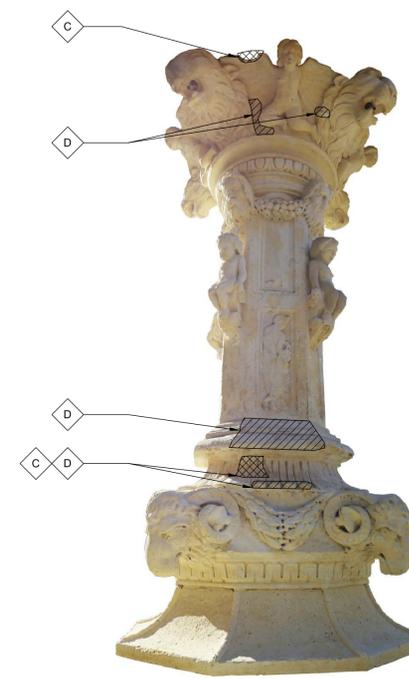
ELEVATION E



ELEVATION F



ELEVATION G



ELEVATION H

NOT FOR BIDDING

RESTORATION NOTES

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  - REMOVE NON-MATCHING CAST STONE STEPS WHERE INDICATED ON DRAWINGS. INSTALL NEW CAST STONE STEPS MATCHING ORIGINAL CAST STONE IN SIZE, SHAPE, COLOR AND TEXTURE. IDENTIFY WITH THE AGENT OF THE OWNER A STEP TO USE FOR REPLICATION.

CONDITION INDICATOR KEY

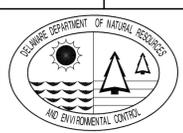
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CONDITION NOTE KEY

- REPAIR CRACK. SEE MASONRY REPAIR NOTE #15.
- REMOVE PREVIOUS REPAIRS. REBUILD THE SURFACE WITH NEW COMPOSITE PATCHING MORTAR. SEE MASONRY REPAIR NOTE #16.
- REBUILD THE SURFACE WITH NEW COMPOSITE PATCHING MORTAR AT AREAS OF LOSS. SEE MASONRY REPAIR NOTE #16.
- STABILIZE MICRO CRACKING WITH LIME INFILL. SEE MASONRY REPAIR NOTE #13.
- REMOVE PREVIOUS REPAIRS. INSTALL DUTCHMAN REPAIR. SEE MASONRY REPAIR NOTE #17.
- REMOVE PREVIOUS REPLACEMENT STEP. INSTALL REPLICATION CAST STONE STEP MATCHING ORIGINAL STEPS IN SHAPE, COLOR AND TEXTURE. SEE MASONRY REPAIR NOTE #18.

BY:	KEC
DATE:	11.22.16 SCHEMATIC SUBMISSION 1.20.17 CD SUBMISSION
DESCRIPTION:	

**JOSEPHINE FOUNTAIN RESTORATION**  
 WILMINGTON STATE PARK  
 WILMINGTON, DELAWARE  
**CONSERVATION**



**MATERIALS CONSERVATION**

DATE:	March 27, 2017
SCALE:	AS NOTED
SHEET NO.:	<b>A-5</b>
PARKS PROJECT #:	WB-18
CONTRACT #:	2016-WB-100



FRONT - ELEVATION A



ELEVATION C



ELEVATION E



ELEVATION G

- FIGURE TREATMENT NOTES**
1. GENERALLY CLEAN OF SOILING USING THE GENTLEST MEANS POSSIBLE.
  2. REMOVE BIOLOGICAL GROWTH USING AN ENVIRONMENTALLY SOUND BIOCIDIC.
  3. CLEAN TOP AND BOTTOM SURFACES OF MORTAR AND FULLY PREPARE FOR REINSTALLATION.

- AFTER CLEANING FIGURE**
- a. INJECTION GROUT EDGES OF EXISTING DUTCHMAN TO REMOVE ANY POTENTIAL MOISTURE ENTRY.
  - b. AESTHETICALLY INTEGRATE WITH SURROUNDING STONE, IF REQUIRED



ELEVATION H - TYPICAL

- UPPER BOWL TREATMENT NOTES**
1. GENERALLY CLEAN OF SOILING USING THE GENTLEST MEANS POSSIBLE.
  2. REMOVE BIOLOGICAL GROWTH USING AN ENVIRONMENTALLY SOUND BIOCIDIC.
  3. CLEAN TOP AND BOTTOM SURFACES OF MORTAR AND FULLY PREPARE FOR REINSTALLATION.

6 FIGURE A-6 NO SCALE

- FIGURE PEDESTAL TREATMENT NOTES**
1. GENERALLY CLEAN OF SOILING USING THE GENTLEST MEANS POSSIBLE.
  2. REMOVE BIOLOGICAL GROWTH USING AN ENVIRONMENTALLY SOUND BIOCIDIC.
  3. CLEAN TOP AND BOTTOM SURFACES OF MORTAR AND FULLY PREPARE FOR REINSTALLATION.



FRONT - ELEVATION A



ELEVATION C



ELEVATION E



ELEVATION G

4 FIGURE PEDESTAL A-6 NO SCALE

- MAIN BOWL PEDESTAL TREATMENT NOTES**
1. GENERALLY CLEAN OF SOILING USING THE GENTLEST MEANS POSSIBLE.
  2. REMOVE BIOLOGICAL GROWTH USING AN ENVIRONMENTALLY SOUND BIOCIDIC.
  3. CLEAN TOP AND BOTTOM SURFACES OF MORTAR AND FULLY PREPARE FOR REINSTALLATION.



5 MAIN BOWL PEDESTAL - TYPICAL A-6 NO SCALE

TYPICAL REMOVE COPPER STAINING BELOW EACH SPOUT AS PER TECHNICAL SPECIFICATION

DESIGN AND INSTALL NEW SPOUTS TO DIRECT WATER BEYOND SURFACE OF THE BOWL. TYPICAL AT EACH SPOUT. PROVIDE SHOP DRAWINGS



ELEVATION A

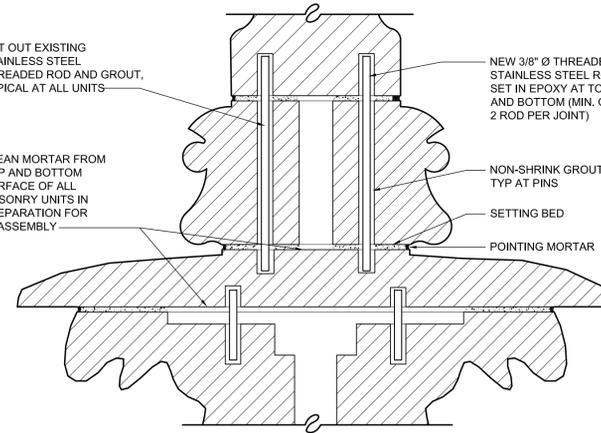


MAIN BOWL TREATMENT NOTES

1. GENERALLY CLEAN OF SOILING USING THE GENTLEST MEANS POSSIBLE.
2. REMOVE BIOLOGICAL GROWTH USING AN ENVIRONMENTALLY SOUND BIOCIDIC.
3. CLEAN TOP AND BOTTOM SURFACES OF MORTAR AND FULLY PREPARE FOR REINSTALLATION.

CUT OUT EXISTING STAINLESS STEEL THREADED ROD AND GROUT, TYPICAL AT ALL UNITS

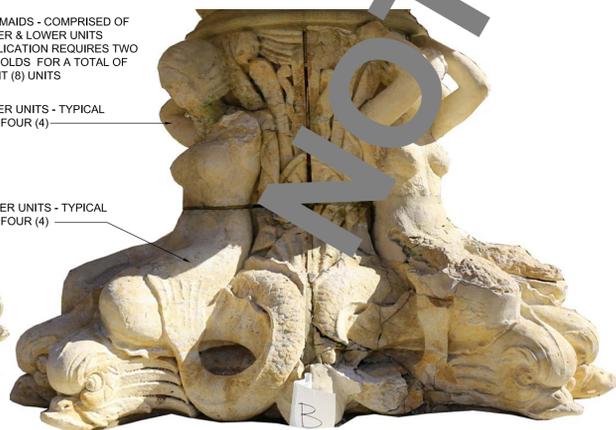
CLEAN MORTAR FROM TOP AND BOTTOM SURFACE OF ALL MASONRY UNITS IN PREPARATION FOR REASSEMBLY



8 FOUNTAIN ASSEMBLY DETAILING A-6 NO SCALE



ELEVATION A - TYPICAL MERMAID FACADE



ELEVATION B - TYPICAL SERPENT FACADE

MERMAIDS - COMPRISED OF UPPER & LOWER UNITS. REPLICATION REQUIRES TWO (2) MOLDS FOR A TOTAL OF EIGHT (8) UNITS

UPPER UNITS - TYPICAL FOR FOUR (4)

LOWER UNITS - TYPICAL FOR FOUR (4)

REPLICATE MERMAIDS IN CAST STONE USING THE DIGITAL FILE PROVIDED BY THE OWNER. CONTRACTOR SHALL TRANSLATE THE DIGITAL FILE INTO TWO (2) MOLDS TO PRODUCE EIGHT (8) UNITS. CAST STONE SHALL BE SHAPE, SIZE, COLOR AND TEXTURE OF ORIGINAL LIMESTONE.



WASH AND WAX BRONZE PLAQUE

REMOVE COPPER STAINS FROM CONCRETE



WASH AND WAX BRONZE PLAQUE

REMOVE COPPER STAINS FROM CAST STONE

STABILIZE CRACKS WITH LIME-BASED SLURRY IN-PAINT TO. AESTHETICALLY INTEGRATE IF REQUIRED. TYPICAL FOR ALL ELEVATIONS

2 PLAQUE A-6 NO SCALE

1 MERMAIDS - FOR VISUAL REFERENCE ONLY A-6 NO SCALE

RESTORATION NOTES

- GENERAL REPAIR NOTES:**
1. PROTECT ALL ADJACENT SURFACES, VEGETATION, VEHICLES AND PASSERS-BY TO REMAIN FROM ALL RESTORATION AND PRESERVATION PROCEDURES.
  2. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
  3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS. DO NOT SCALE THE DRAWINGS.
  4. NOTE: ALL WORK COMPLETED ON THE SCULPTURAL ELEMENTS (A - I) AS WELL AS THE PLAQUE AND ITS BASE, MUST BE COMPLETED BY A QUALIFIED CONSERVATOR AS APPROVED IN ADVANCE BY THE AGENT OF THE OWNER. ALL WORK SHALL BE COMPLETED AS PER THE TREATMENT PLAN SUBMITTED BY THE CONSERVATOR AND APPROVED IN ADVANCE BY THE AGENT OF THE OWNER.
- CONCRETE NOTES:**
5. REMOVE ALL LOOSE OR DETERIORATED FINISHES.
  6. REMOVE ALL LOOSE OR DETERIORATION CONCRETE TO SOUND SURFACE OR TO A DEPTH AS PER CONCRETE REPAIR MORTAR REQUIREMENTS. PATCH AREA WITH CONCRETE REPAIR MORTAR. MATCH TEXTURE AND FINISH ADJACENT SOUND CONCRETE TO CREATE SMOOTH SOUND SURFACE.
  7. CLEAN OUT CRACKS OF DIRT, DEBRIS OR EXISTING PATCHING MORTAR. INFILL WITH CONCRETE RESTORATION MORTAR TO CREATE SMOOTH SOUND SURFACE. MATCH TEXTURE AND FINISH ADJACENT SOUND CONCRETE.
  8. SURFACE PREPARE AND PRIME THE CONCRETE BASIN. APPLY TWO COATS OF FINISH PAINT.
- MASONRY NOTES:**
9. REMOVE ALL MUD WASP NESTS FROM MASONRY.
  10. CLEAN ALL MASONRY OF BIOLOGICAL GROWTH AND GENERALIZED SOILING AS PER TECHNICAL SPECIFICATIONS AND MOCK-UPS AS APPROVED IN ADVANCE BY THE AGENT OF THE OWNER.
  11. REMOVE ALL COMPONENTS OF BUILT-UP MORTAR FROM HIDDEN SURFACES AS NEEDED TO FACILITATE REASSEMBLY OF THE FOUNTAIN.
  12. HAND RAKE ALL JOINTS OF MORTAR, CAULKS AND SEALANTS TO A DEPTH OF 1" OR TO SOUND MATERIAL. REPOINT WITH SPECIFIED MORTARS OR SEALANTS.
  13. CLEAN OUT MICRO CRACKS (MAX. 1/8 INCH) USING COMPRESSED AIR OR LOW PRESSURE WATER. APPLY LIME GROUT AS PER TECHNICAL SPECIFICATION TO CREATE A FLUSH SURFACE. DO NOT LEAVE PATCHING MORTAR ON THE ADJACENT MASONRY SURFACE. IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT STONE. ALLOW FOR 100 LN. FT. MORE THAN INDICATED.
  14. CONSOLIDATE ALL DOLOMITIC LIMESTONE SURFACES: PLINTH, BASE AND COLUMN. CONSOLIDATION SHALL OCCUR AFTER RAKING OF MORTAR JOINTS, REMOVAL OF PREVIOUS REPAIRS AND CLEANING BUT PRIOR TO REPOINTING OR REPAIRS.
  15. CLEAN OUT CRACKS (GREATER THAN OR EQUAL TO 1/8 INCH) OF DIRT, DEBRIS OR EXISTING PATCHING MATERIAL. INSTALL COMPOSITE PATCHING MORTAR AS PER TECHNICAL SPECIFICATION TO CREATE A FLUSH SURFACE. IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT MASONRY.
  16. REMOVE NON-MATCHING OR DETERIORATED PATCHES, AND LOOSE STONE TO SOUND SURFACES WHERE INDICATED ON DRAWINGS. REBUILD SURFACE WITH COMPOSITE PATCHING MORTAR AS PER TECHNICAL SPECIFICATIONS AND AS APPROVED IN ADVANCE WITH MOCK-UPS. AT SCULPTURAL ELEMENTS, CARVE THE SURFACE TO MATCH SIMILAR INTACT STONE SURFACES (I.E. A CHERUB FACE SHALL BE CARVED TO MATCH AN INTACT CHERUB FACE). IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE TO ADJACENT STONE.
  17. REMOVE THE NON-MATCHING PATCH WHERE INDICATED ON DRAWINGS. CARVE A DUTCHMAN REPAIR USING SALVAGED SOUND STONE FROM THE EXISTING MERMAIDS. USE ONLY SOUND STONE. INSTALL CARVED DUTCHMAN. IN-PAINT IF REQUIRED TO AESTHETICALLY INTEGRATE MORTAR TO ADJACENT STONE. THIS DUTCHMAN WILL REQUIRE RE-CARVING LETTERING. SUBMIT A MOCK-UP OF LETTERING PRIOR TO FINAL CARVING.
  18. REMOVE NON-MATCHING CAST STONE STEPS WHERE INDICATED ON DRAWINGS. INSTALL NEW CAST STONE STEPS MATCHING ORIGINAL CAST STONE IN SIZE, SHAPE, COLOR AND TEXTURE. IDENTIFY WITH THE AGENT OF THE OWNER A STEP TO USE FOR REPLICATION.

CONDITION INDICATOR KEY

- MICRO CRACK STABILIZATION AND SHELTER CAPPING
- REBUILD SURFACE
- REPAIR CRACK (GREATER THAN 1/8")
- REPLACE CAST STONE STEP

CONDITION NOTE KEY

- A REPAIR CRACK. SEE MASONRY REPAIR NOTE #15.
- B REMOVE PREVIOUS REPAIRS. REBUILD THE SURFACE WITH NEW COMPOSITE PATCHING MORTAR. SEE MASONRY REPAIR NOTE #16.
- C REBUILD THE SURFACE WITH NEW COMPOSITE PATCHING MORTAR AT AREAS OF LOSS. SEE MASONRY REPAIR NOTE #16.
- D STABILIZE MICRO CRACKING WITH LIME INFILL. SEE MASONRY REPAIR NOTE #13.
- E REMOVE PREVIOUS REPAIRS. INSTALL DUTCHMAN REPAIR. SEE MASONRY REPAIR NOTE #17.
- F REMOVE PREVIOUS REPLACEMENT STEP. INSTALL REPLICATION CAST STONE STEP MATCHING ORIGINAL STEPS IN SHAPE, COLOR AND TEXTURE. SEE MASONRY REPAIR NOTE #18.

BY: KEC

DATE: 11.22.16 SCHEMATIC SUBMISSION  
1.20.17 CD SUBMISSION

DESCRIPTION: JOSEPHINE FOUNTAIN RESTORATION  
WILMINGTON STATE PARK  
WILMINGTON, DELAWARE



MATERIALS CONSERVATION

DATE: March 27, 2017

SCALE: AS NOTED

SHEET NO.: A-6

PARKS PROJECT #: WB-18

CONTRACT #: 2016-WB-100

CONSERVATION