



LAFAYETTE SQUARE LIGHTING ENHANCEMENTS

FOR

CITY OF LAGRANGE

LAGRANGE, GEORGIA

(ARCHITECTURAL)

PROJECT NUMBER 20-12

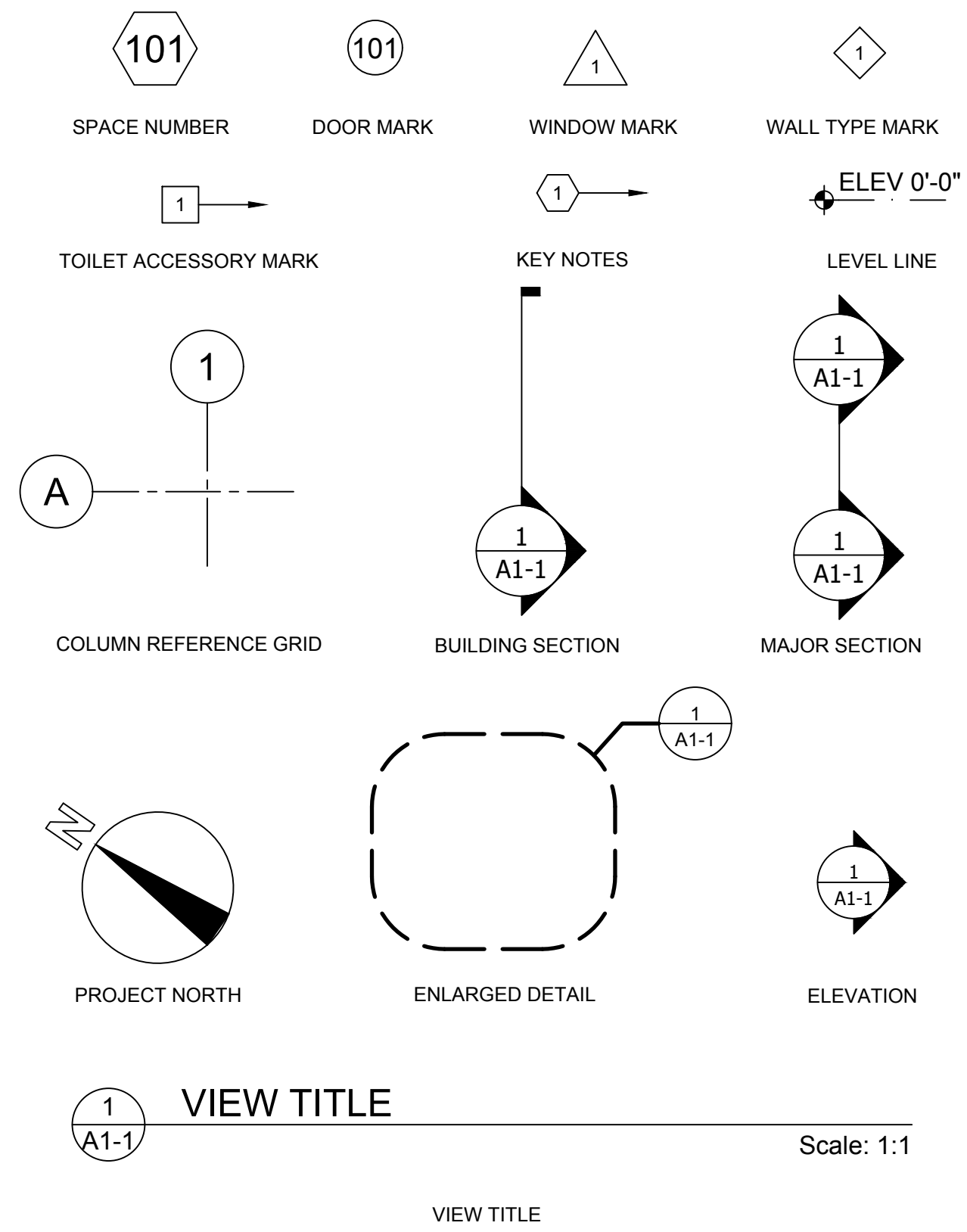
FOR BIDDING AND PERMIT

14 OCT 2020

ABBREVIATIONS:

@	At	JAN.	Janitor
A.B.	Anchor Bolt	J.B.	Joist Bearing
A.C.	Air Conditioner	J.S.T.	Joist
ACOUST.	Acoustical	J.T.	Joist
ALUM.	Aluminum		
ARCH.	Architectural		
A.T.	Acoustical Tile		
		LAV.	Lavatory
		LLV.	Long Leg Vertical
B.C.	Bottom of Curb	MAS., MSRY	Masonry
BLK.	Block	MCS	Modular Cabinet System
BOTT.	Bottom	MECH.	Mechanical
		MIN.	Minimum
CER.	Ceramic	N	North
CHM.	Custom Hollow Metal	NA	Not Applicable
C.I.	Curb Inlet	N.I.C.	Not In Contract
		NTS	Not to Scale
CLO.	Closet		
CMU.	Concrete Masonry Unit	O.C.	On Center
C.O.	Clean Out	OPP.	Opposite
COL.	Column		
CONC.	Concrete	PL	Plate
CONST.	Construction	PT	Pressure Treated
CONT.	Continuous	PEJ	Premolded Expansion
C.T.	Ceramic Tile	PLAST	Plaster
CHR.	Coat & Hat Rack	PSF	Pounds Per Square Foot
C.J.	Control Joint	PSI	Pounds Per Square Inch
D. DIAM.	Diameter	R	Radius
DF	Drink Fountain	REF	Refrigerator
DI	Drain Inlet	REQ'D	Required
DN	Down	RL	Roof Level
DRIV.	Driver	RM	Room
DS	Downspout	RT	Resilient Tile
DWGS.	Drawings	RW	Regular Weight
DWLS.	Dowels		Round
DR	Drawer		
E.J.; EXP. JT.	Expansion Joint	SQ.	Square
EL.; ELEV	Elevation	SIM	Similar
EQ	Equal	SLV	Short Leg Vertical
EQUIP.	Equipment	S.M.	Sheet Metal
E.F.I.S.	Exterior Finish Insulation System	STL	Steel
		STO.; STOR	Storage
F.E.	Fire Extinguisher	STRUCT.	Structural
F.H.	Fire Hose	SH	Shelves
FES	Fire Extinguisher Sign		
FIN.	Finish		
FLEX.	Flexible	TC	Teacher Cabinet
FLR.	Floor	T.C.	Top of Curb
FT.	Foot	TD	Turn Down
FTG.	Footing	TFF	Top of Finished Floor
		TFS	Top of Finished Slab
GA	Gauge	T & G	Tongue and Groove
G.C.	General Contractor	T.M.	Transitional Material
GYP_BRD.	Gypsum Wallboard	TP	Top of Pavement
		T/S	Top of Steel
		TYP.	Typical
H	Height	U.N.O.	Unless Noted Otherwise
HC	Handicapped		
HCM	Hollow Concrete Masonry		
HORIZ.	Horizontal	Y.C.J.	Veneer Control Joint
HW	Hand Wash	VERT	Vertical
		VRS	Varies
		VWC	Vinyl Wall Covering
I.D.	Inside Diameter	W	Width
IND.	Industrial	W/	With
INV.	Invert	W.C.	Water Cooler
		WD	Wood
		WWF	Welded Wire Fabric

INDEX OF SYMBOLS:



ARCHITECT OF RECORD:
 SMITH DESIGN GROUP, INC.
 GORDON M. SMITH, AIA
 206 WEST HARALSON STREET - LAGRANGE - GEORGIA 30240
 (PH) 706-882-5511

ENGINEER OF RECORD:
 THE MADDOX GROUP, INC.
 9309 SEMINOLE ROAD - JONESBORO - GEORGIA 30236-5131
 (PH) 770-471-9076

INDEX OF SHEETS

GENERAL	
G-1	COVER SHEET
G-2	INDEX OF SHEETS
SD-1	SITE PLAN - EXISTING
SD-2	SITE PLAN - PROPOSED
SD-3	SITE PLAN - PROPOSED
SD-4	SITE PLAN - PARTIAL PROPOSED
SD-5	SITE SECTION
SD-6	SITE SECTION
SD-7	SITE SECTION
SD-8	SECTION
SD-9	DETAIL
SD-10	SITE PLAN - PARTIAL PROPOSED
SD-11	DETAILS
E-01	ELECTRICAL CRITERIA
E-02	ELECTRICAL RISERS & SCHEDULES
E-03	ELECTRICAL SCHEDULES & CRITERIA
E-04	ELECTRICAL CONTROLS & WIRING
E-05	ELECTRICAL PLAN
E-06	ELECTRICAL PLAN AND ELEVATION
E-07	ELECTRICAL LIGHTING VAULT AND TUNNEL

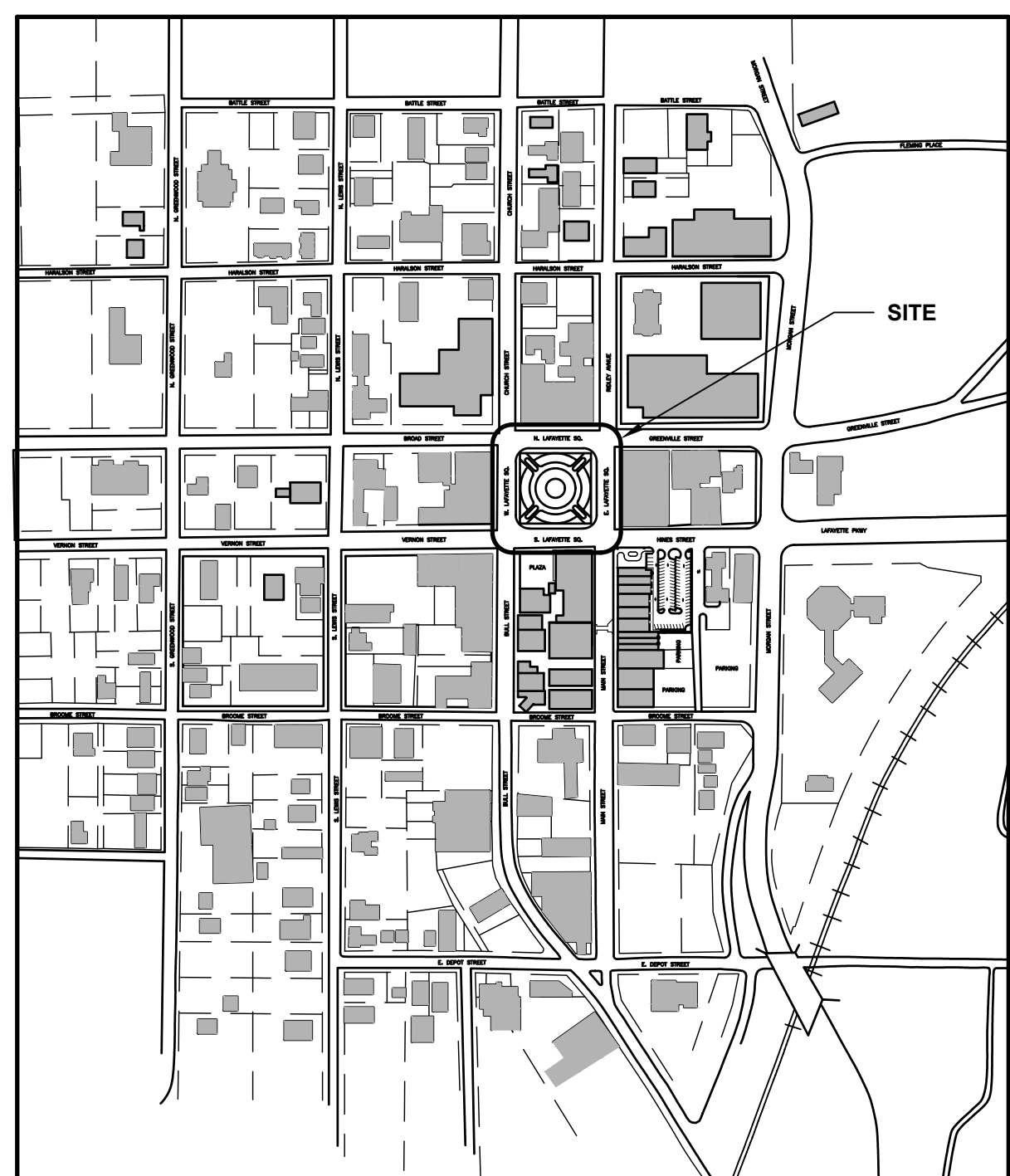


SMITH DESIGN GROUP, INC.
 206 WEST HARALSON STREET
 LAGRANGE, GEORGIA 30240
 706-882-5511

CONSTRUCTION MATERIALS:

PLAN / SECTION

	face brick
	hollow concrete masonry
	gypsum wallboard
	ceramic/quarry tile
	acoustical tile
	resilient flooring
	carpet
	steel/iron
	aluminum
	small scale metal
	rough lumber
	large scale finish lumber
	small scale finish lumber
	large scale plywood
	small scale plywood
	batt/blanket insulation
	laminated plastic



VICINITY MAP
 NOT TO SCALE

LAFAYETTE SQUARE PARK AND FOUNTAIN LIGHTING EXECUTIVE SUMMARY

THIS LIGHTING PROJECT IS TO ENHANCE THE APPEARANCE AND PROVIDE THE ABILITY TO SET UP MULTIPLE LIGHTING 'SCENES' (I.E. "LOOKS") FOR THE FOUNTAIN. THIS WILL BE ACCOMPLISHED USING UNDERWATER FOUNTAIN LIGHTS AND A FEW POLE MOUNTED LIGHTS AROUND THE PARK PERIMETER THAT FOCUS ON THE FOUNTAIN.

- * EACH OF THE LIGHT FIXTURES CONSISTS OF RED, GREEN & BLUE (R-G-B) LED'S. EACH COLOR IS INDEPENDENTLY CONTROLLED (ON-OFF, DIMMED, ETC.) AND THUS WITH THESE THREE PRIMARY COLORS, ANY COLOR CAN BE PRODUCED.
- * ADDITIONALLY, THE LIGHT FIXTURES ARE GROUPED BY THEIR FUNCTION (WHAT THEY SPECIFICALLY LIGHT).
- * WITH THE PROGRAMMABLE LIGHTING CONTROL SYSTEM, EACH LIGHTING GROUP CAN BE SET TO A DESIRED COLOR, BRIGHTNESS, ETC. AND SAVED AS A 'SCENE'. ONCE SET UP, MANY DIFFERENT 'SCENES' CAN BE SAVED IN MEMORY OR ADDED OVER TIME.
- * THE CONTROL SYSTEM CAN THEN BE SCHEDULED TO CHANGE FROM SCENE TO SCENE OVER TIME AT ANY SPEED. THUS THE FOUNTAIN'S LOOK CAN BE EVER CHANGING, FLOWING WITH THE SEASONS, TOWN EVENTS, LOCAL EMPHASIS TO BRING A FOCUS ON THE CITY SQUARE.

The Current State Minimum Standard Codes

The following are the current state minimum standard codes for construction as adopted by the Board of Community Affairs. Current Mandatory Codes as Adopted by DCA:

- International Building Code, 2018 Edition, with Georgia Amendments (2020)
 - International Residential Code, 2018 Edition, with Georgia Amendments (2020)
 - International Fire Code, 2018 Edition (Contact State Fire Marshal Below)
 - International Plumbing Code, 2018 Edition, with Georgia Amendments (2020)
 - International Mechanical Code, 2018 Edition, with Georgia Amendments (2020)
 - International Fuel Gas Code, 2018 Edition, with Georgia Amendments (2020)
 - National Electrical Code, 2017 Edition (No Georgia Amendments)
 - International Energy Conservation Code, 2015 Edition, with Georgia Supplements and Amendments (2020)
 - International Swimming Pool and Spa Code, 2018 Edition, with Georgia Amendments (2020)
- For information and questions regarding the Life Safety Code (NFPA 101), IFC Georgia Amendments or the Georgia Accessibility Code please contact the State Fire Marshal's Office.

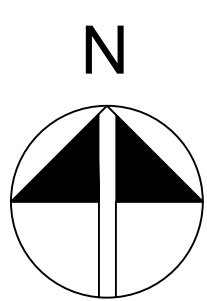
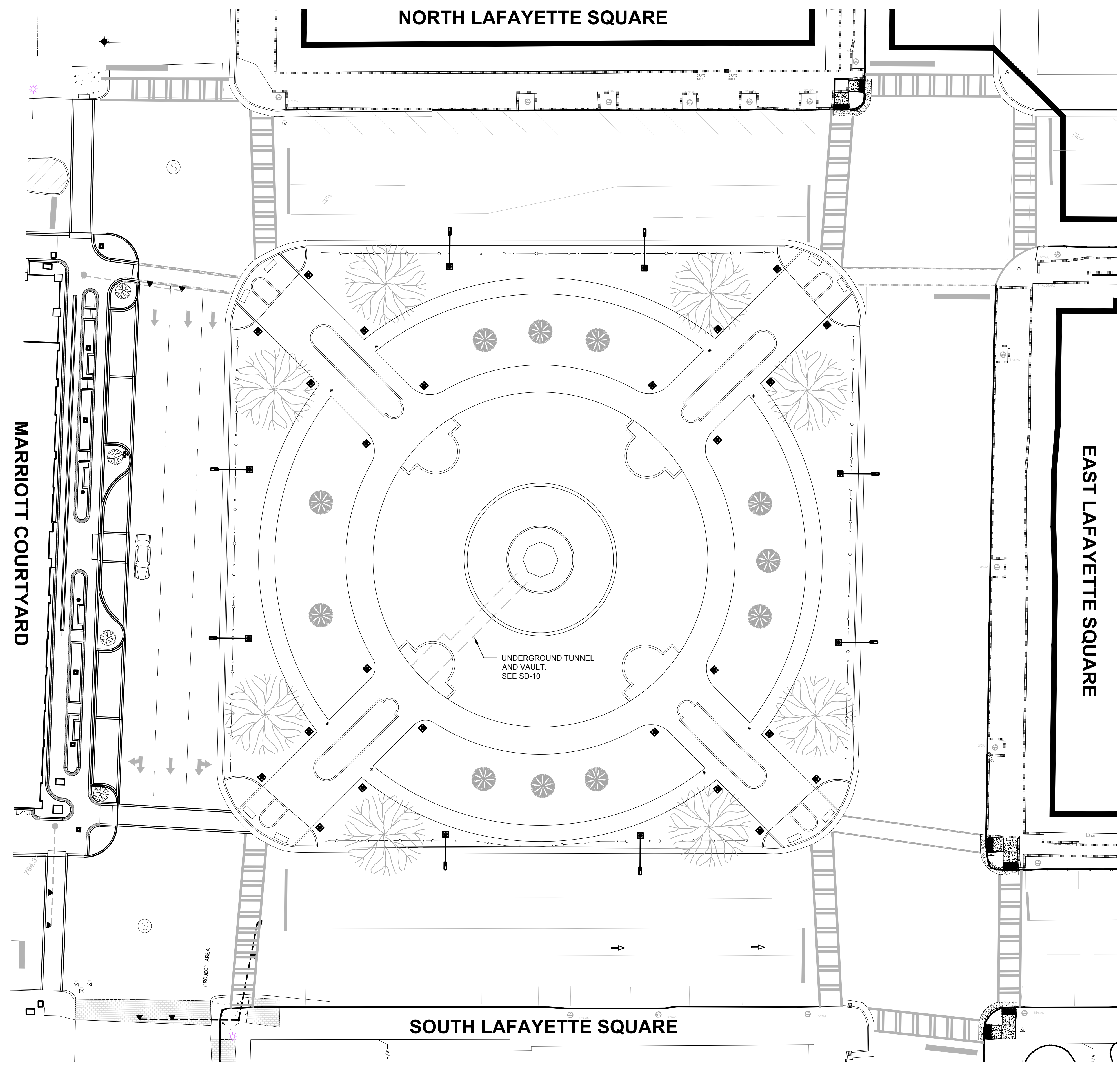
REVISIONS

DATE	DESCRIPTION

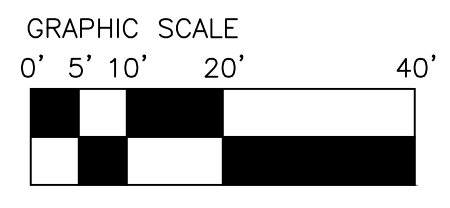
PROJECT:
LAFAYETTE SQUARE LIGHTING ENHANCEMENTS
 LAGRANGE, GEORGIA

TITLE:
INDEX OF SHEETS
ABBREVIATIONS LEGENDS

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: G-2



1 EXISTING SITE PLAN
SD-1
Scale: 1" = 20'-0"



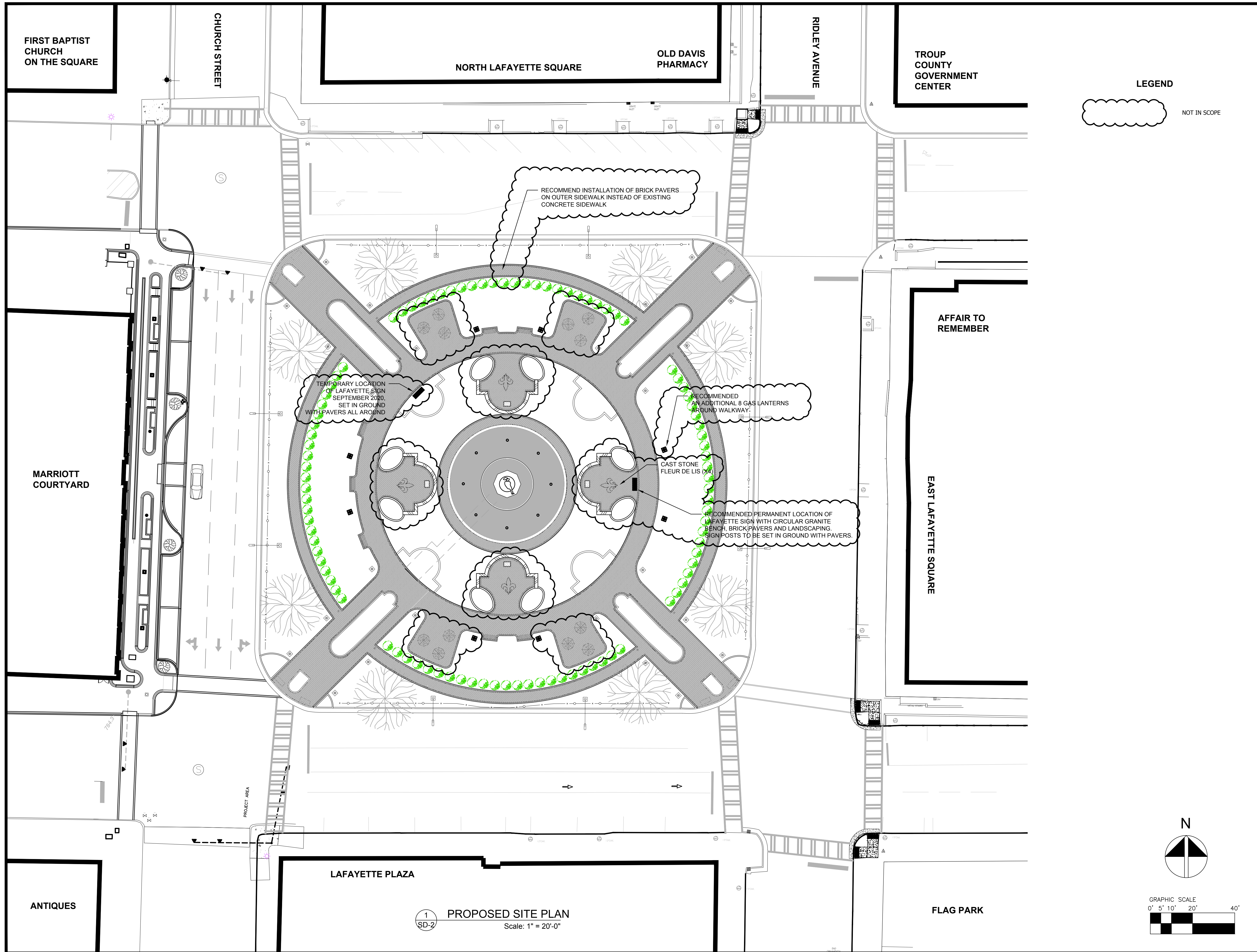
SMITH DESIGN GROUP, INC.
206 WEST HARALSON STREET
LAGRANGE, GEORGIA 30240
706-882-5511

REVISIONS	
DATE	DESCRIPTION

PROJECT:
**LAFAYETTE SQUARE
LIGHTING ENHANCEMENTS**
LAGRANGE, GEORGIA

TITLE:
**EXISTING
SITE PLAN**

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-1



LEGEND
 NOT IN SCOPE



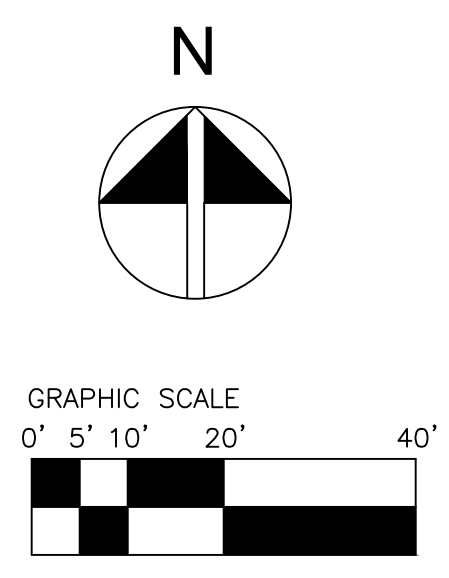
SMITH DESIGN GROUP, INC.
 206 WEST HARALSON STREET
 LAGRANGE, GEORGIA 30240
 706-882-5511

REVISIONS	
DATE	DESCRIPTION

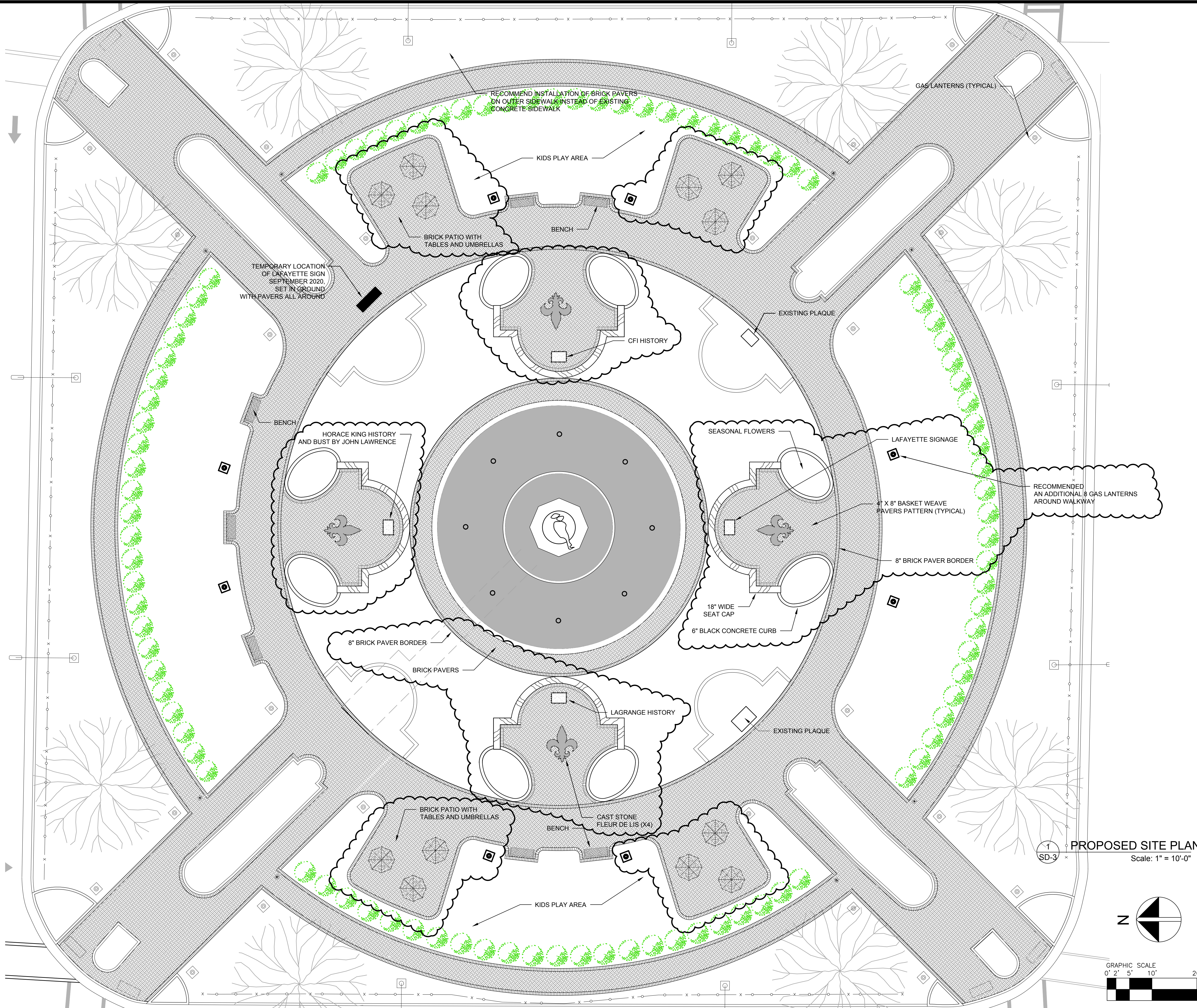
PROJECT:
LAFAYETTE SQUARE LIGHTING ENHANCEMENTS
 LAGRANGE, GEORGIA

TITLE:
PROPOSED SITE PLAN

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-2



1 PROPOSED SITE PLAN
 Scale: 1" = 20'-0"



SMITH DESIGN GROUP, INC.
206 WEST HARALSON STREET
LAGRANGE, GEORGIA 30240
706-882-5511

LEGEND

NOT IN SCOPE

EAST LAFAYETTE SQUARE

NORTH LAFAYETTE SQUARE

LAFAYETTE PLAZA

COURTYARD MARRIOTT

KEYPLAN
NOT TO SCALE

REVISIONS

DATE	DESCRIPTION

PROJECT:
LAFAYETTE SQUARE LIGHTING ENHANCEMENTS
LAGRANGE, GEORGIA

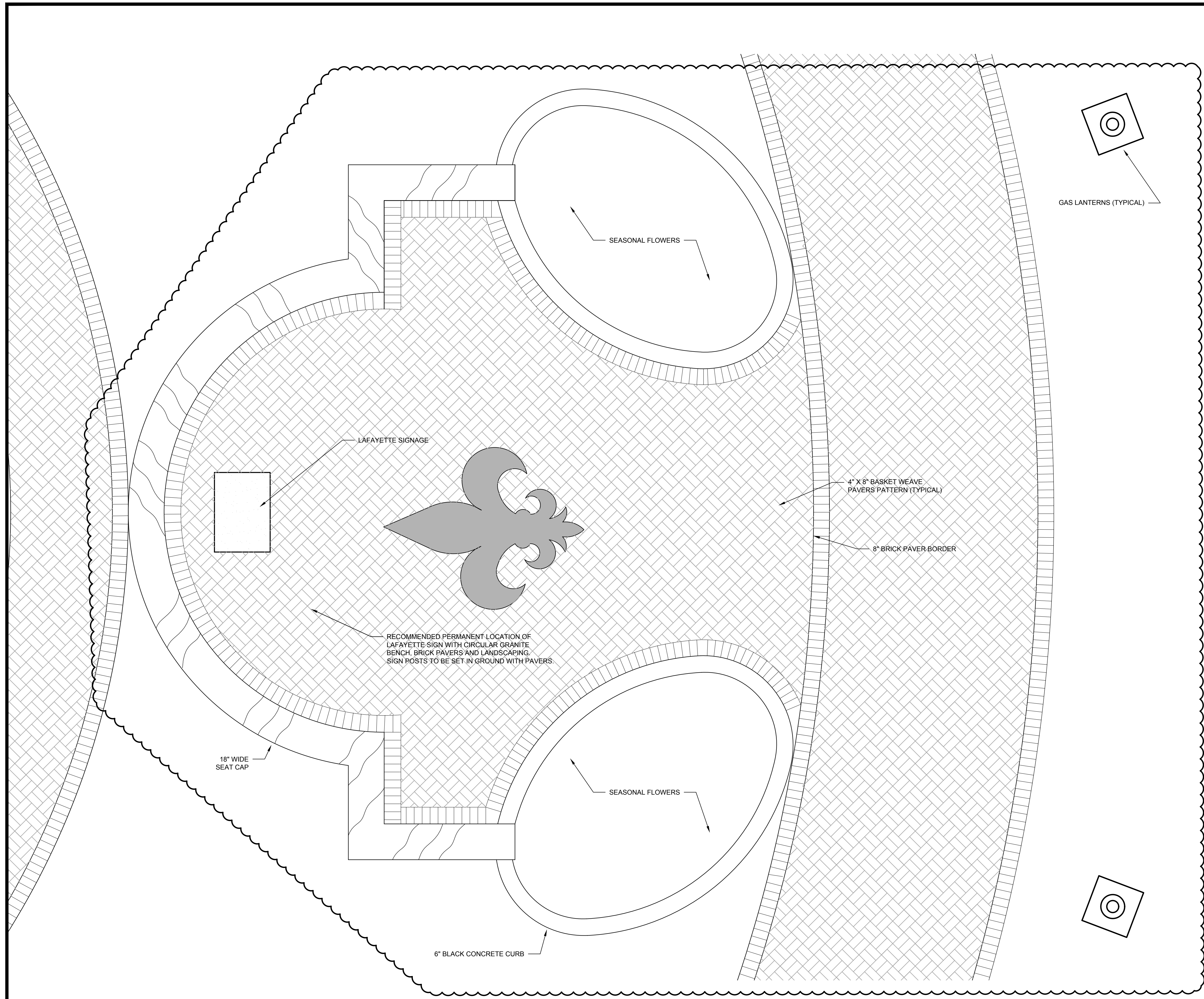
TITLE:
PROPOSED SITE PLAN


MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-3

1
SD-3

PROPOSED SITE PLAN
Scale: 1" = 10'-0"

GRAPHIC SCALE
0' 2' 5' 10' 20'



LEGEND
 NOT IN SCOPE



SMITH DESIGN GROUP, INC.
 206 WEST HARALSON STREET
 LAGRANGE, GEORGIA 30240
 706-882-5511

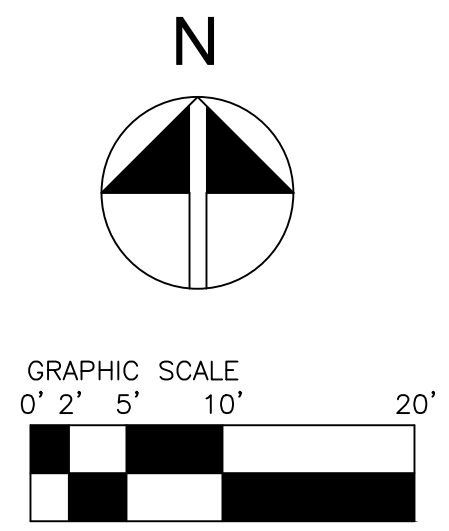
REVISIONS		
Δ	DATE	DESCRIPTION

PROJECT:
**LAFAYETTE SQUARE
 LIGHTING ENHANCEMENTS**
 LAGRANGE, GEORGIA

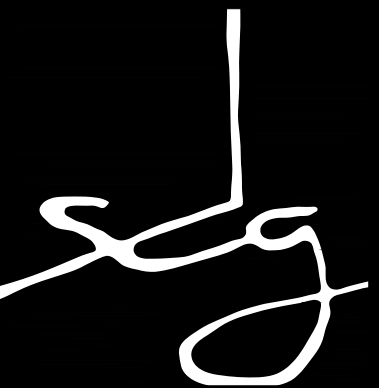
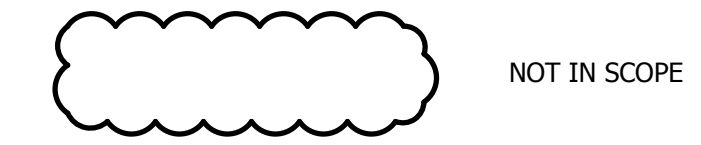
TITLE:
**PROPOSED
 SITE PLAN**

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: 14 OCT 2020	SHEET: SD-4

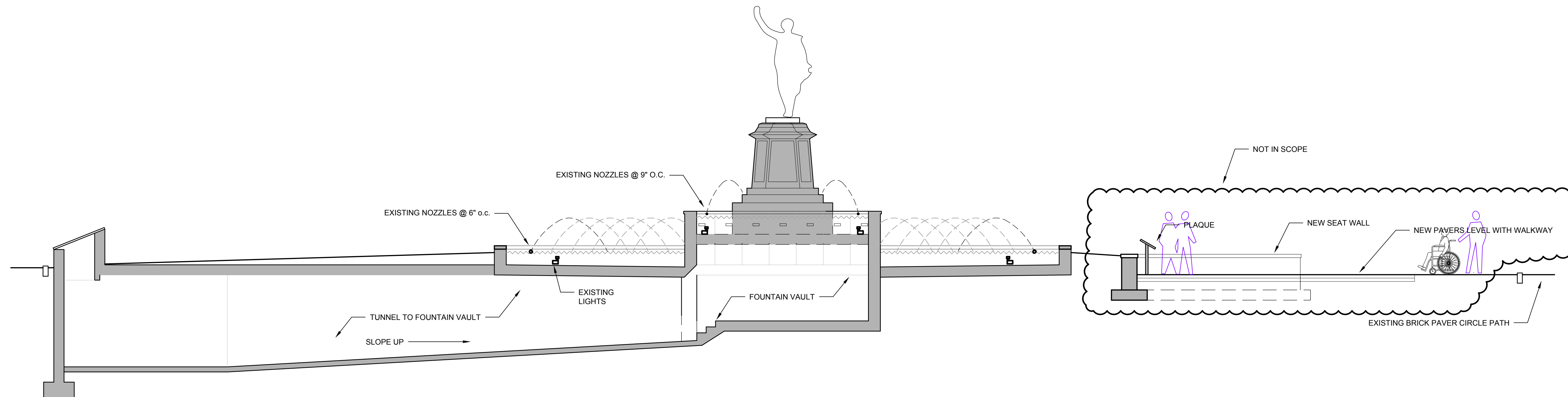
1 PROPOSED SITE PLAN
 Scale: 1/2" = 1'-0"



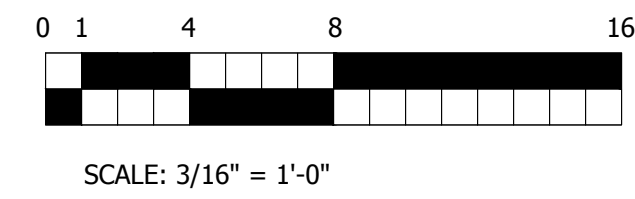
LEGEND



SMITH DESIGN GROUP, INC.
 206 WEST HARALSON STREET
 LAGRANGE, GEORGIA 30240
 706-882-5511



1 SECTION
 SD-5 Scale: 3/16" = 1'-0"



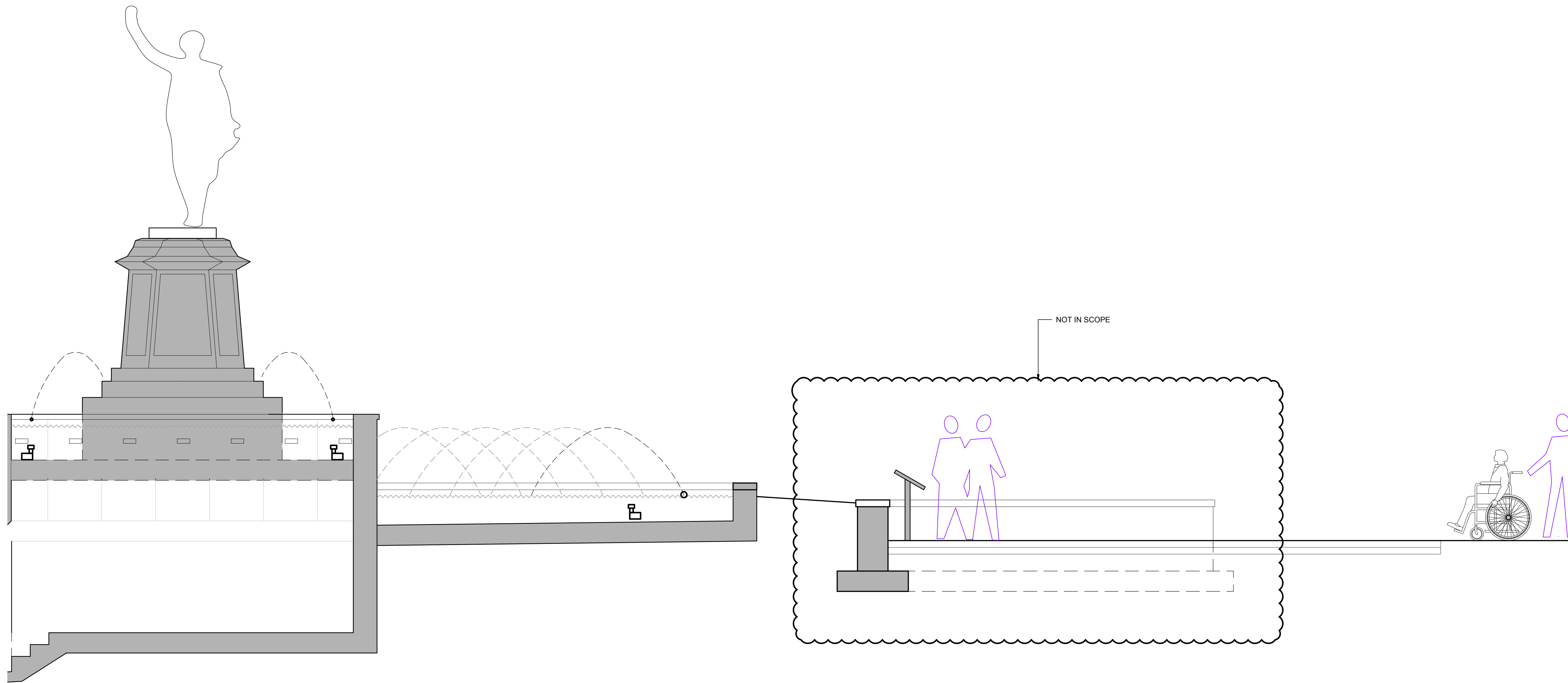
REVISIONS

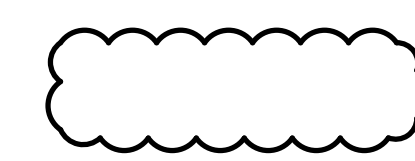
DATE	DESCRIPTION

PROJECT:
**LAFAYETTE SQUARE
 LIGHTING ENHANCEMENTS**
 LAGRANGE, GEORGIA

TITLE:
SECTION

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-5



LEGEND
 NOT IN SCOPE



SMITH DESIGN GROUP, INC.
 206 WEST HARALSON STREET
 LAGRANGE, GEORGIA 30240
 706-882-5511

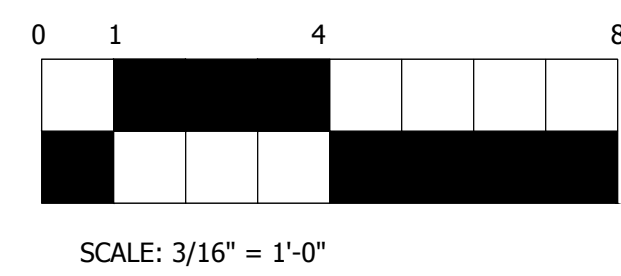
REVISIONS	
DATE	DESCRIPTION

PROJECT:
**LAFAYETTE SQUARE
 LIGHTING ENHANCEMENTS**
 LAGRANGE, GEORGIA

TITLE:
SECTION

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-6

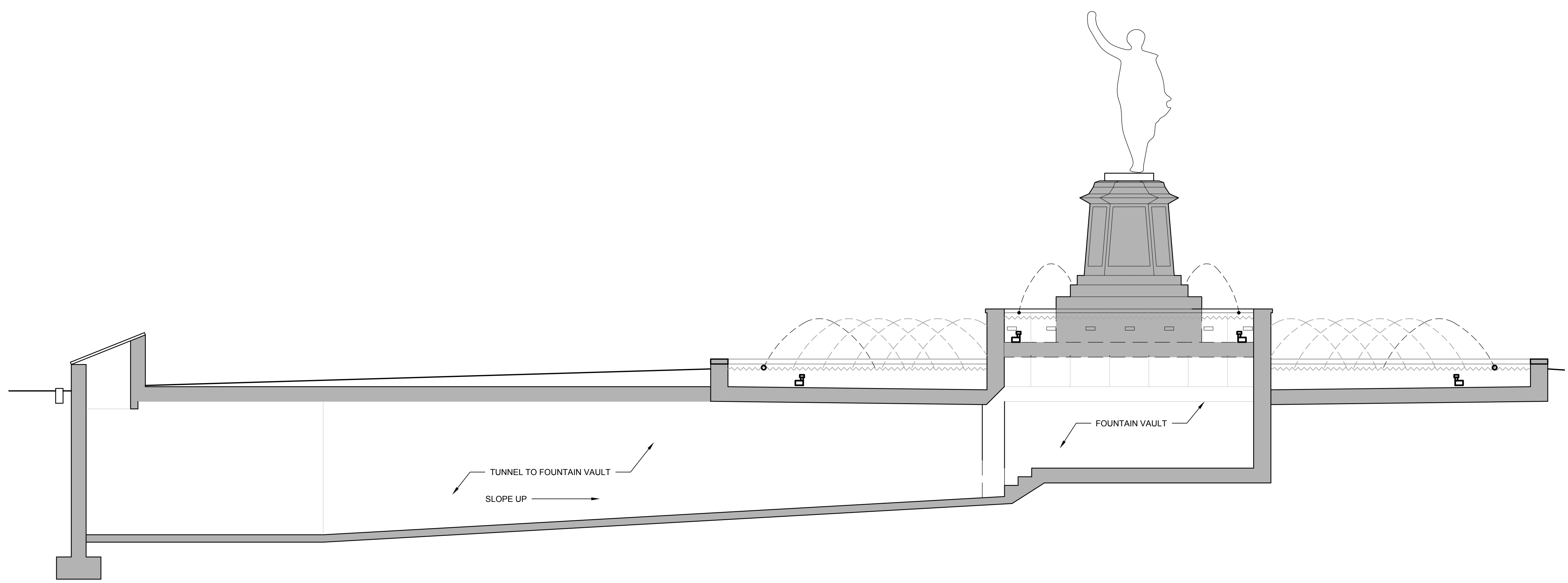
1 SECTION
 SD-6 Scale: 3/8" = 1'-0"





sg

SMITH DESIGN GROUP, INC.
 206 WEST HARALSON STREET
 LAGRANGE, GEORGIA 30240
 706-882-5511



EXISTING BRICK PAVER CIRCLE PATH

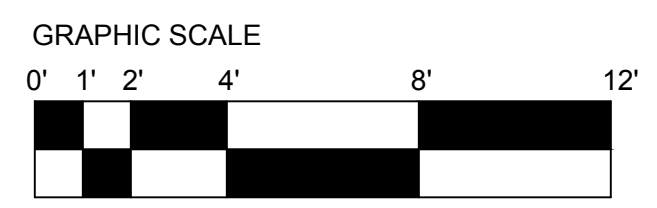
REVISIONS	
DATE	DESCRIPTION

PROJECT:
**LAFAYETTE SQUARE
 LIGHTING ENHANCEMENTS**
 LAGRANGE, GEORGIA

TITLE:
SECTION

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-7

SECTION
 Scale: 3/16" = 1'-0"



KEYNOTES

① KEYNOTES

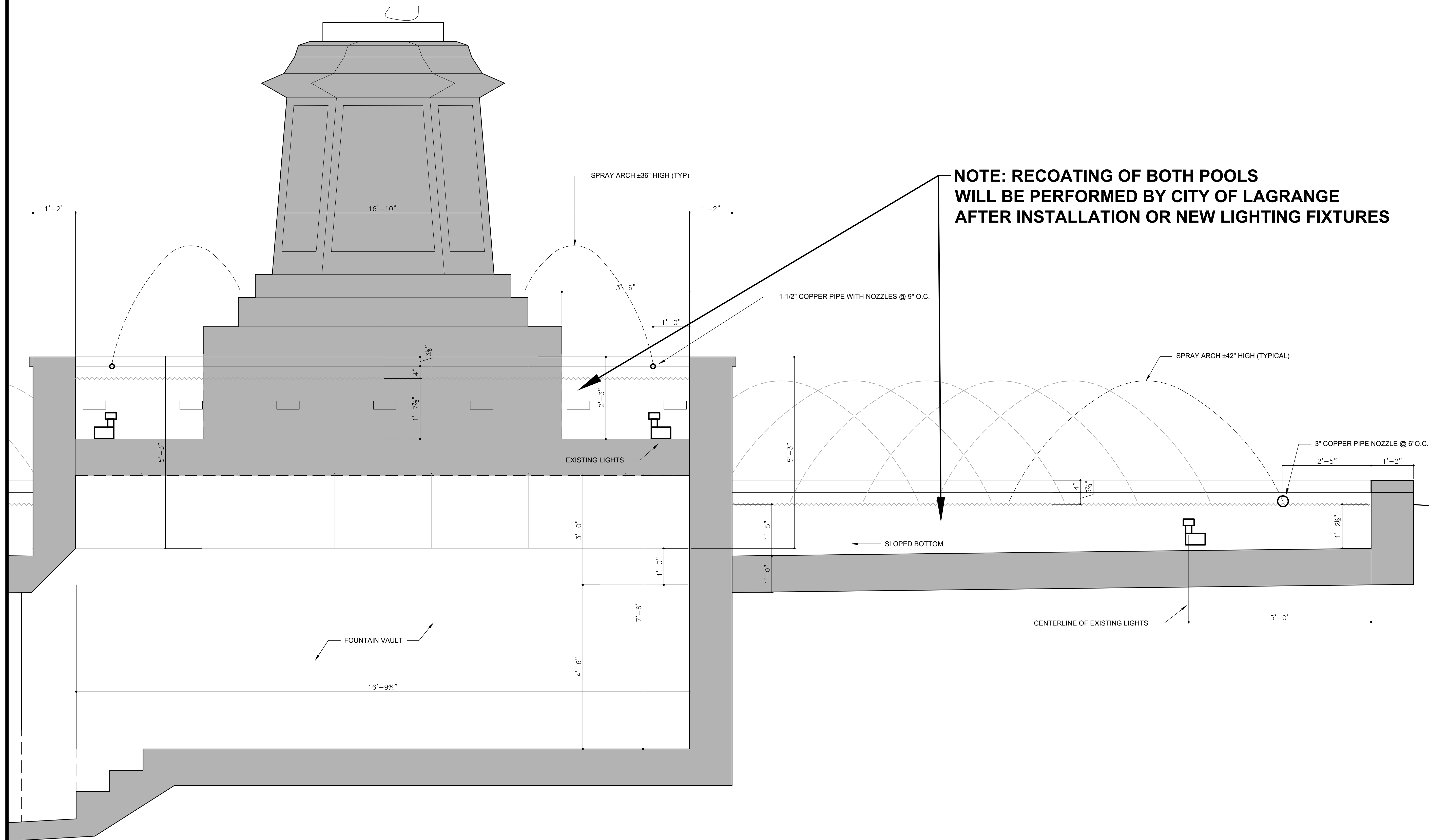
ARCHITECT'S STAMP



SMITH DESIGN GROUP, INC.

206 WEST HARALSON STREET
LAGRANGE, GEORGIA 30240

706-882-5511



**NOTE: RECOATING OF BOTH POOLS
WILL BE PERFORMED BY CITY OF LAGRANGE
AFTER INSTALLATION OR NEW LIGHTING FIXTURES**

EXISTING BRICK PAVER CIRCLE PATH

REVISIONS

DATE	DESCRIPTION

PROJECT:

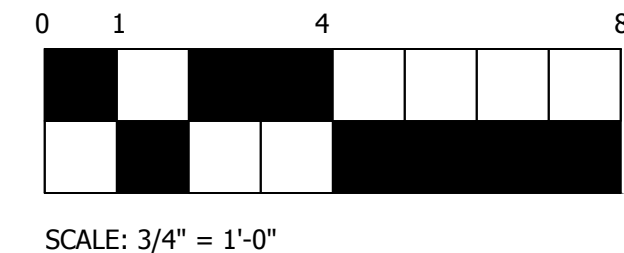
LAFAYETTE SQUARE
LIGHTING ENHANCEMENTS
LAGRANGE, GEORGIA

TITLE:

SECTION

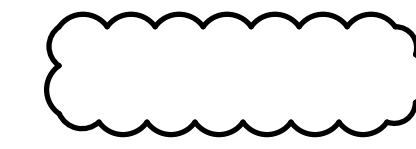
MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-8

SECTION
Scale: 3/4" = 1'-0"

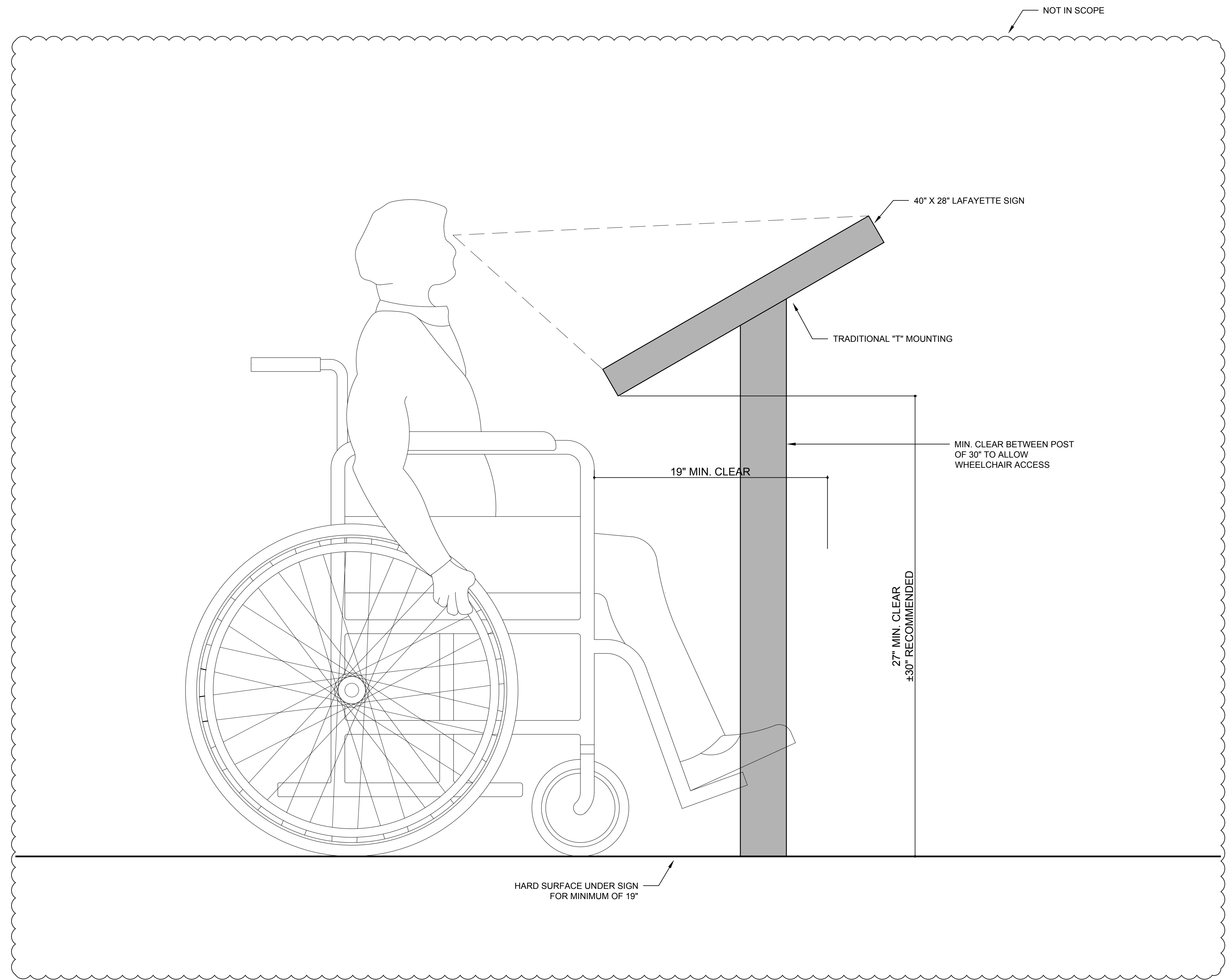


SCALE: 3/4" = 1'-0"

LEGEND



NOT IN SCOPE



1
SD-9 DETAIL Scale: 1" = 1'-0"



SMITH DESIGN GROUP, INC.
206 WEST HARALSON STREET
LAGRANGE, GEORGIA 30240
706-882-5511

REVISIONS	
DATE	DESCRIPTION

PROJECT:
**LAFAYETTE SQUARE
LIGHTING ENHANCEMENTS**
LAGRANGE, GEORGIA

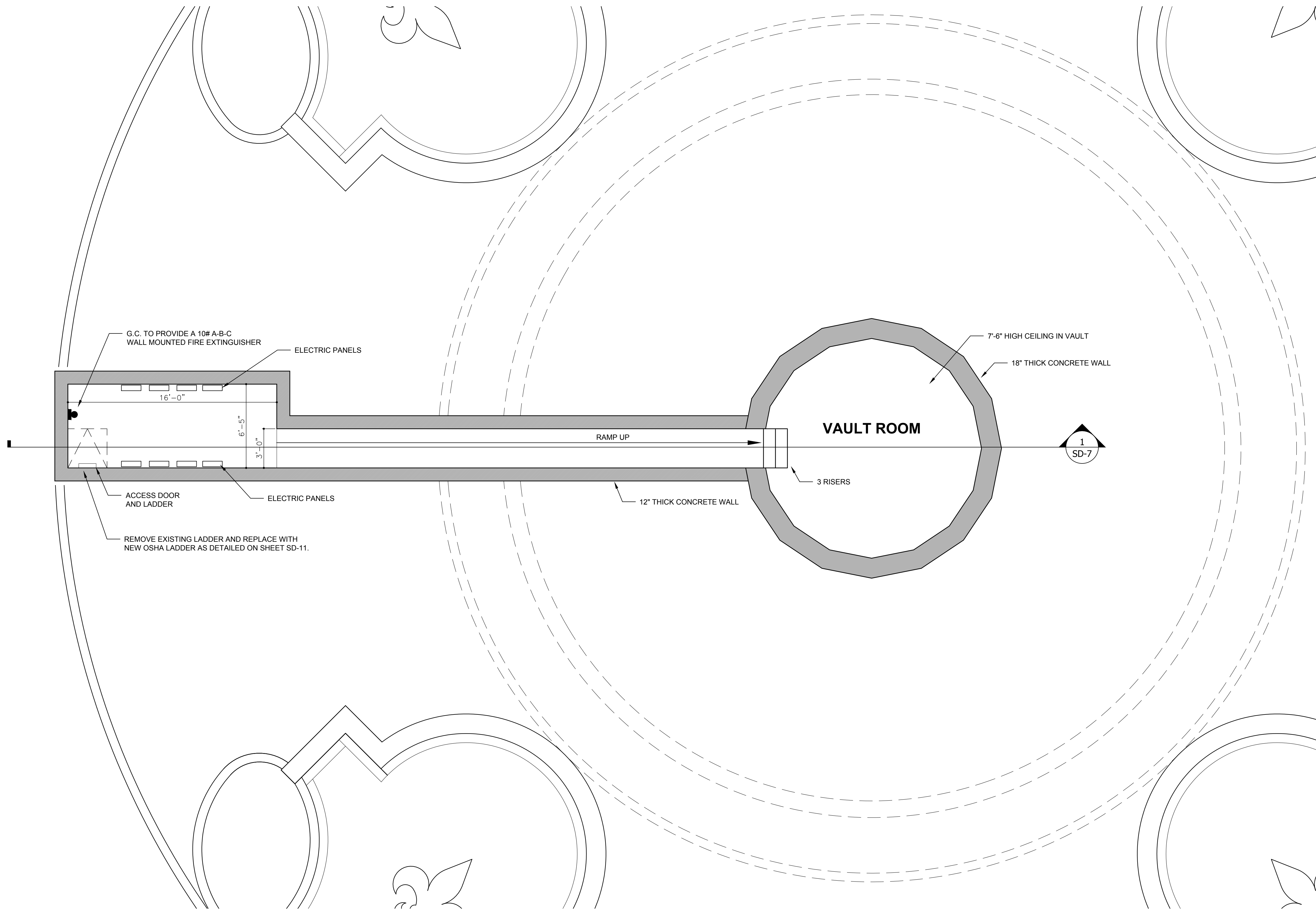
TITLE:
DETAILS

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-9

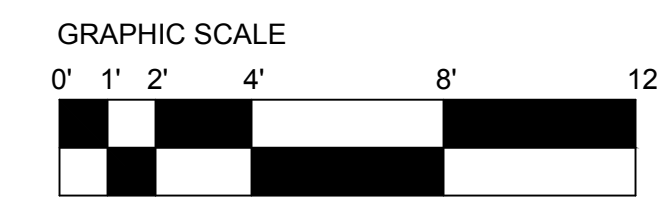


sg

SMITH DESIGN GROUP, INC.
 206 WEST HARALSON STREET
 LAGRANGE, GEORGIA 30240
 706-882-5511



1 PLAN OF FOUNTAIN VAULT
 Scale: 1/4" = 1'-0"

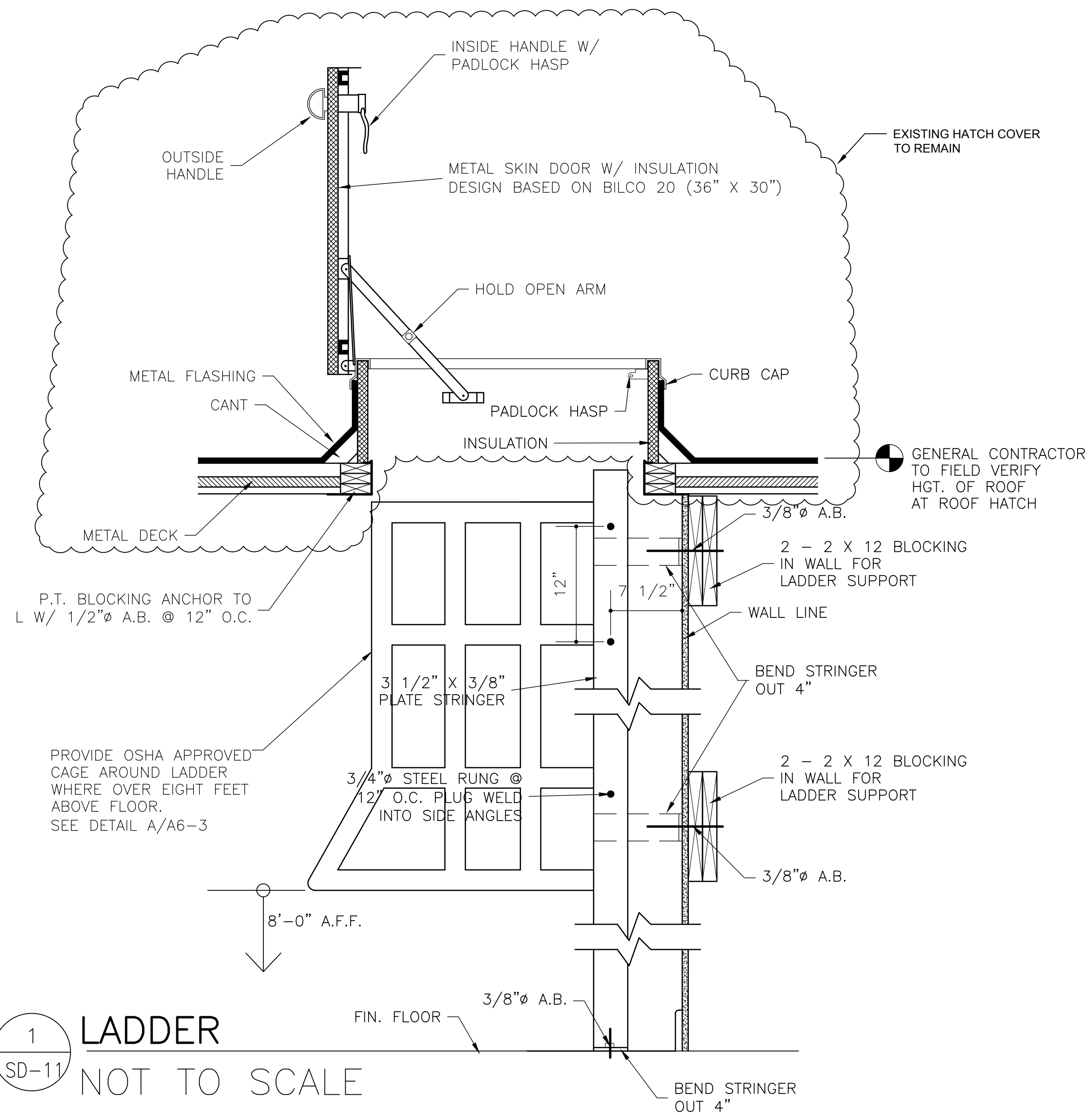


REVISIONS	
DATE	DESCRIPTION

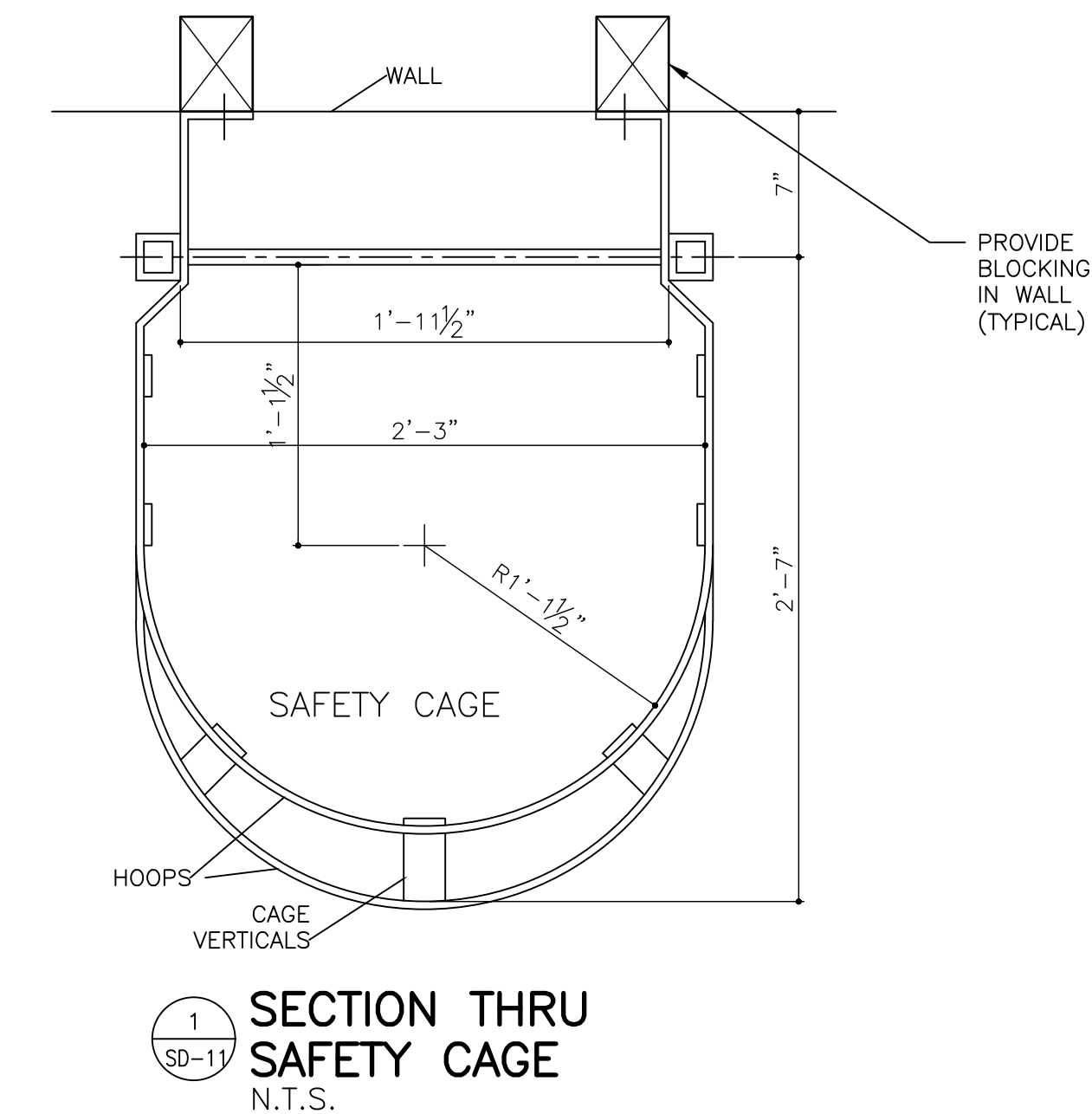
PROJECT:
LAFAYETTE SQUARE LIGHTING ENHANCEMENTS
 LAGRANGE, GEORGIA

TITLE:
PARTIAL SITE PLAN

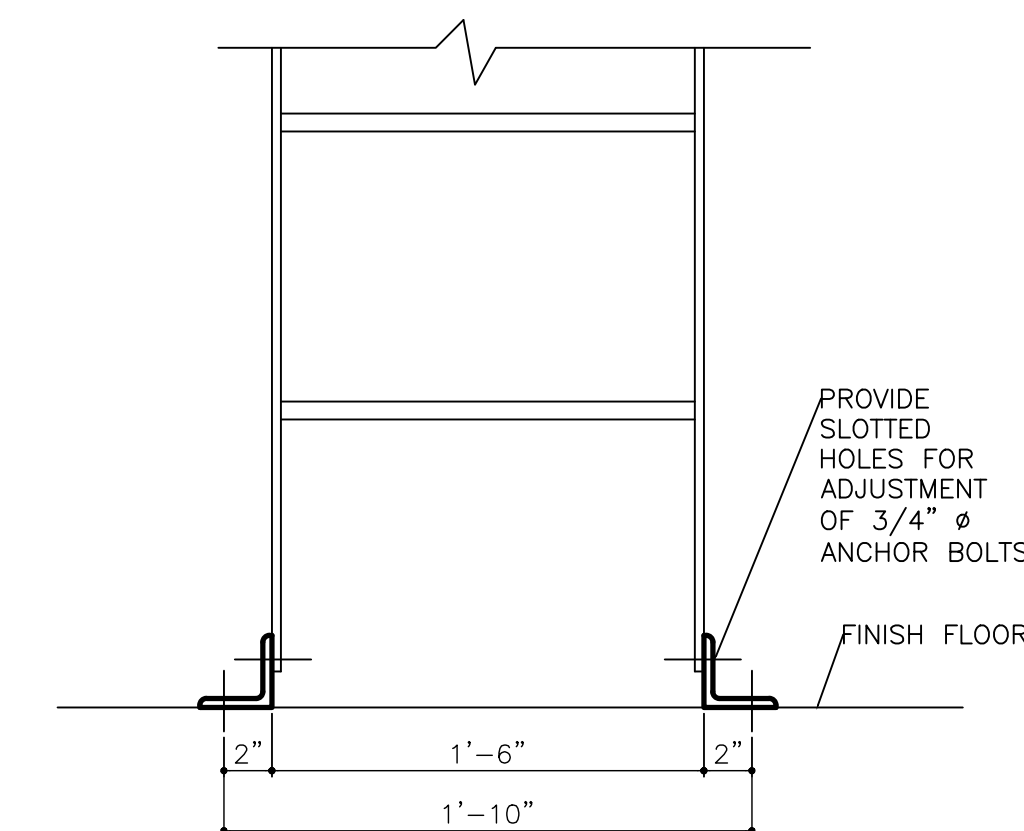
MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-10



1 LADDER
SD-11 NOT TO SCALE



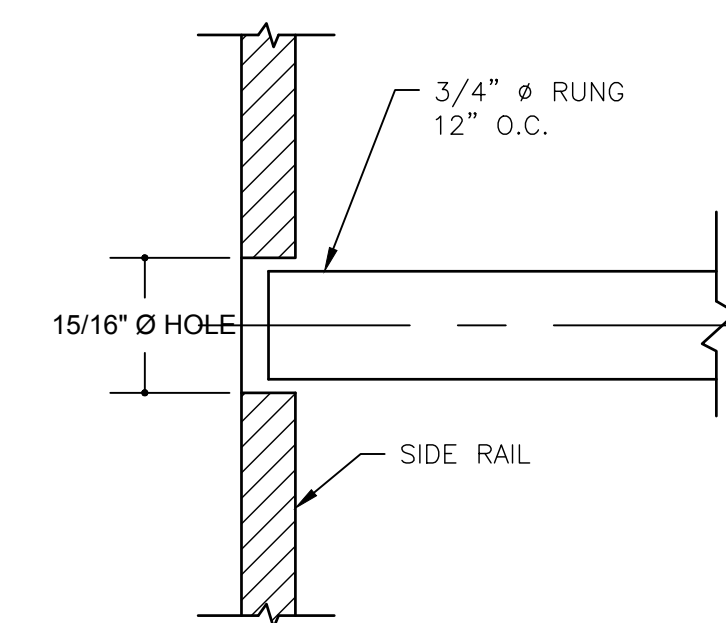
1 SECTION THRU SAFETY CAGE
SD-11 N.T.S.



2 TYPICAL LADDER FOOTING CONNECTIONS
SD-11 N.T.S.

G.C. TO SUBMIT DETAILED SHOP DWGS. THAT MEET OSHA REQUIREMENTS AND ANSI SPECIFICATIONS A 14.3

SUGGESTED STEEL LADDER FRAMING		
MEMBER	SIZE	SUPPORT SPACING
LADDER SIDE RAILS	2 1/2" X 3/8"	8'-0" MAXIMUM
	3" X 3/8"	12'-0" MAXIMUM
	3 1/2" X 3/8"	16'-0" MAXIMUM
CAGE HOOP	5" X 3/8"	20'-0" MAXIMUM TOP AND BOTTOM
	2" X 3/8"	ALL INTERMEDIATES
CAGE VERTICALS	2" X 3/8"	SEE SECTION ABOVE
LADDER RUNGS	3/4" ϕ PLUG WELDED INTO SIDE RAILS	



LADDER RUNG DETAIL



SMITH DESIGN GROUP, INC.
206 WEST HARALSON STREET
LAGRANGE, GEORGIA 30240
706-882-5511

REVISIONS

DATE	DESCRIPTION

PROJECT:
LAFAYETTE SQUARE LIGHTING ENHANCEMENTS
LAGRANGE, GEORGIA

TITLE:
DETAILS

MODIFIED DATE:	JOB NO: 20-12
ISSUED DATE: FOR BID AND PERMIT 14 OCT 2020	SHEET: SD-11

Table with 4 columns: Rv #, ELECTRICAL CRITERIA - GENERAL CONDITIONS, Check Off, and content. Includes items like PERMITS & FEES, LICENSING, BONDING & INSURANCE, COORDINATION OF OTHER TRADES, MANUFACTURERS' ALTERNATES & SUBSTITUTIONS, etc.

Table with 4 columns: Rv #, ELECTRICAL CRITERIA - CONDUITS, BOXES & FITTINGS, Check Off, and content. Includes items like GENERAL- All wiring for power and systems shall be done in accordance with applicable codes, SUBMITTALS, GENERAL UNDERGROUND, GENERAL CONCEALED, GENERAL EXPOSED, GENERAL BOXES, etc.

Table with 4 columns: Rv #, ELECTRICAL CRITERIA - LOW VOLT. ELECT. DISTRIB. GEAR, Check Off, and content. Includes items like GENERAL ITEMS, EQUIPMENT LABELS, SAFETY & WARNING LABELS, ARC-FLASH LABELS, SEISMIC BRACING & SUPPORT, etc.

Table with 4 columns: Rv #, ELECTRICAL CRITERIA - BASICS CRITERIA, Check Off, and content. Includes items like GENERAL- Provide a complete electrical system, LICENSING/ELECTRICAL, CODES, PERMITS & FEES, COORDINATION OF POWER UTILITY, COORDINATION OF LV COMMUNICATIONS UTILITY, etc.

Table with 4 columns: Rv #, ELECTRICAL CRITERIA - LOW VOLTAGE CONDUCTORS, Check Off, and content. Includes items like CONDUCTORS GENERAL, SUBMITTALS, CONDUCTORS COLOR CODED, CONDUCTOR LABELING, CONDUCTORS, COPPER, ALUMINUM, CONNECTIONS, COPPER, etc.

Table with 4 columns: Rv #, ELECTRICAL CRITERIA - LOW VOLTAGE ELECTRICAL DISTRIBUTION GEAR, Check Off, and content. Includes items like PANELBOARDS GENERAL, PANELBOARD STANDARDS, PANELBOARD INTERIOR, OCP DEVICES, COMPONENTS, ETC., PANEL DIRECTORIES, SWITCHBOARDS, SWITCHBOARD STANDARDS, etc.

Table with 4 columns: Rv #, ELECTRICAL CRITERIA - BONDING & GROUNDING, Check Off, and content. Includes items like BONDING & GROUNDING GENERAL, GENERAL REQUIREMENTS, BUILDING BONDING, SUBMITTALS, GROUNDING IN-GRADE CONDUCTORS, BONDING & GROUNDING CONDUCTORS, etc.

Table with 4 columns: Rv #, ELECTRICAL DISCLAIMERS & PROJECT NOTES, CO, and content. Includes items like LIMITED ACCESS, CLEARANCE & SECURITY, CONSTRUCTION MODS, COORDINATION GENERAL, UTILITY POWER, etc.

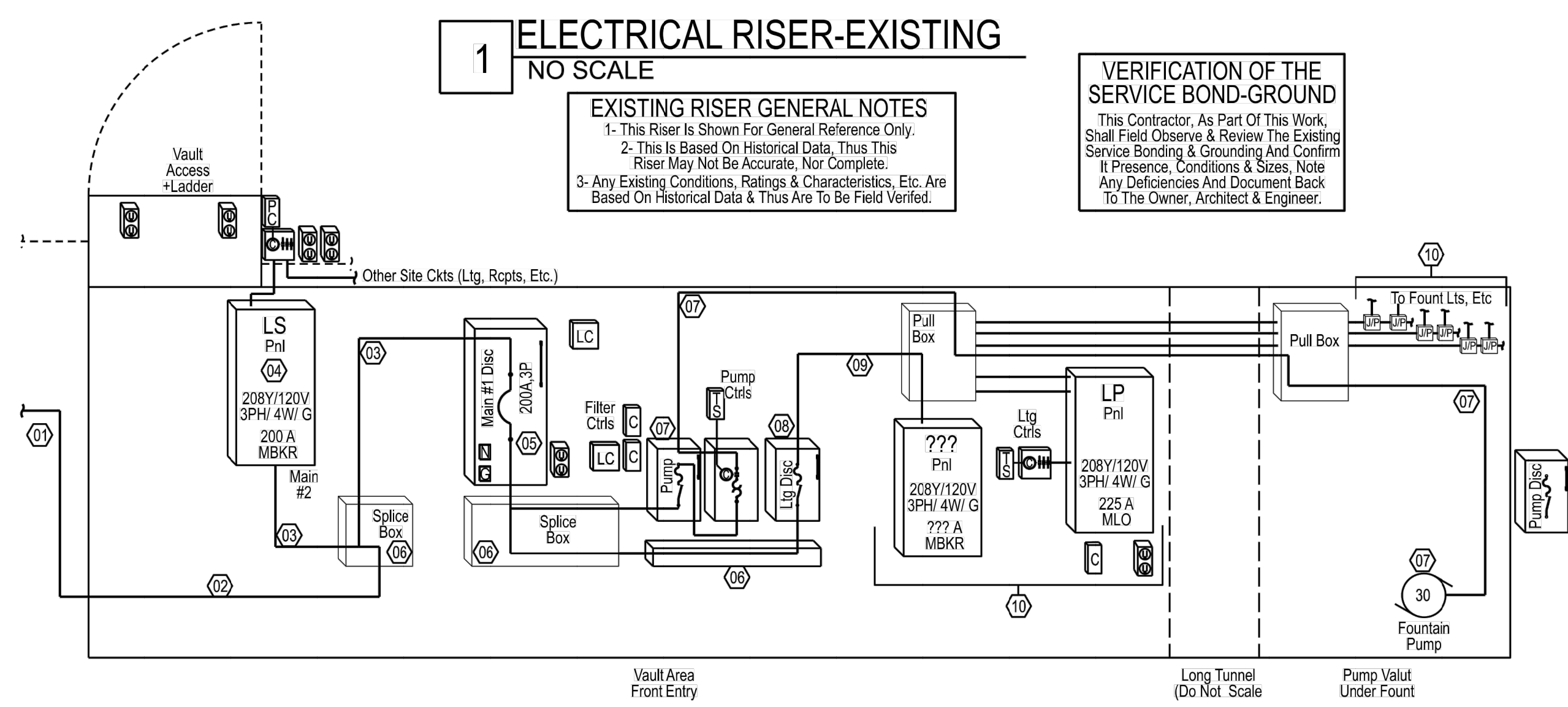
Architect's Stamp area for SMITH DESIGN GROUP, INC. Includes signature line, company name, address (206 WEST HARALSON ST, LAGRANGE, GEORGIA 30240), phone (706-882-5511), website (www.SDGarch.net), and a professional seal for Robert M. Maddox, P.E., License No. 13252.

Table with 4 columns: #, Date, Revisions, and Description. Contains a list of project revisions with dates and descriptions.

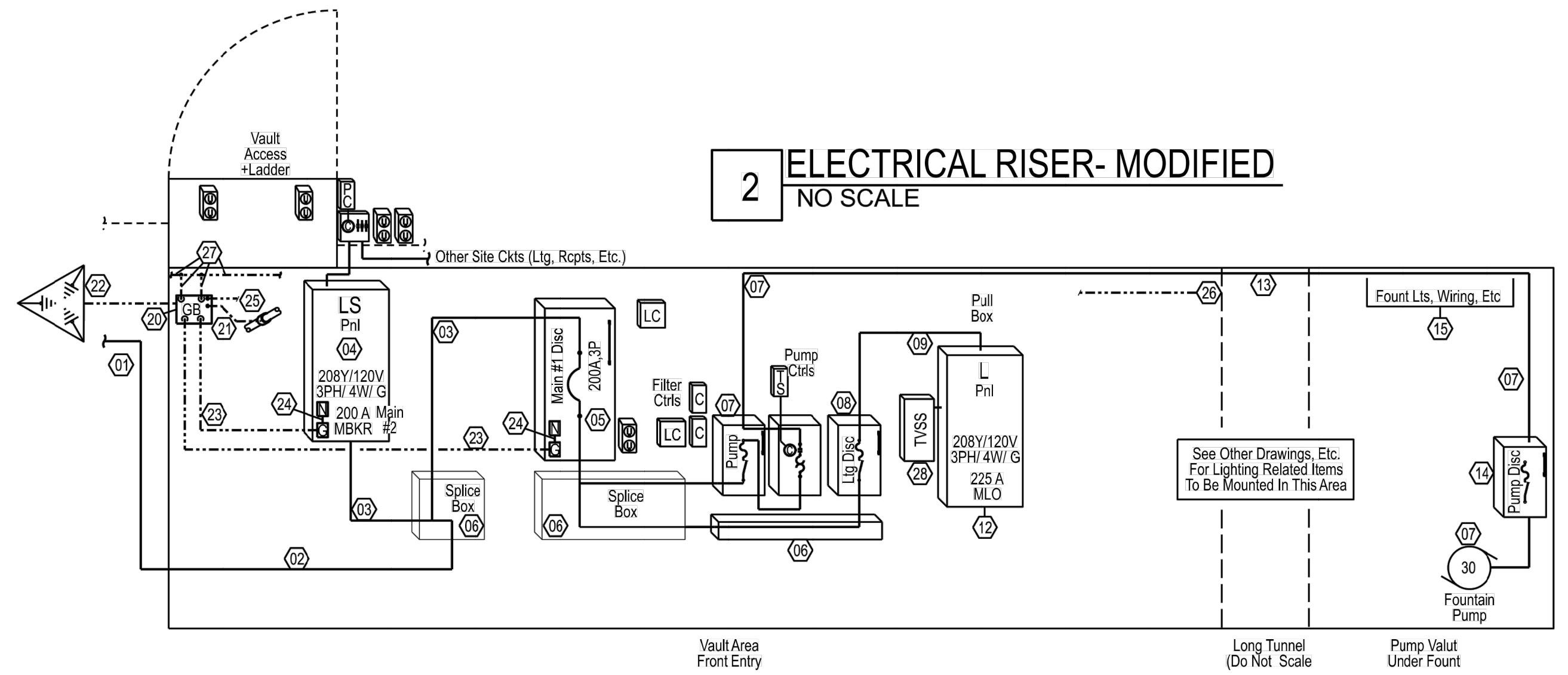
Project Title: LAFAYETTE SQUARE & FOUNTAIN LIGHTING ENHANCEMENTS. Location: Lafayette Square, LAGRANGE, GEORGIA 30240.

Project information section including 'ELECTRICAL CRITERIA', 'Modified Date: na', 'SDG Job No: 20-12', 'Issued Date: 07 OCT. 2020', 'Sheet: E-01', and 'Sheet Title: ELECTRICAL CRITERIA'.

LEGEND NOTES		
#	Rv	CO
20.10.01 LaGrange Lafayette Square		
LEGEND NOTES E-02		
01	~	EXISTING UTILITY SOURCE: Verify 208Y-120V, 3-Phase, 4-Wire, Document Transformer kVA (3-37.5 kVA) & Available Fault Current.
02	~	EXISTING UTILITY SERVICE TO REMAIN: Verify Existing (2 Cu) 4# 4/0 (Two 200A Services)
03	~	EXISTING SERVICE TO REMAIN: Verify Existing (1 Cu) 4# 4/0
04	~	EXISTING PNL LS TO REMAIN: Verify Existing 200A Panel With 200A Main Service Disconnect Breaker. Clean & Inspect Panel Cabinet, Cover & Devices & Label Panel. Check Branch Circuits & Update Panel Directory. Check & Verify Bonding & Grounding Condition, Size, Etc.
05	~	EXISTING SERVICE DISCONNECT TO REMAIN: Verify Existing 200A Disconnect & Fuses. Clean & Inspect Panel Cabinet, Cover & Devices & Label Panel. Check Branch Circuits & Update Panel Directory. Check & Verify Bonding & Grounding Condition, Size, Etc.
06	~	EXISTING ELECTRICAL TO REMAIN: Verify Existing, Clean & Inspect Item Cover & Devices & Provide Label(s). Verify Bonding & Grounding Condition, Size, Etc.
07	~	EXISTING PUMP ELECTRICAL TO REMAIN: Verify Existing Pump System Electrical Components, Wiring, Etc. Clean & Inspect All Items, & Devices & Provide Label(s). Verify Bonding & Grounding Condition, Size, Etc.
08	~	EXISTING LTG PANEL SERVICE DISCONNECT TO REMAIN: Verify Existing 100A Disconnect & Fuses. Clean & Inspect Panel Cabinet, Cover & Devices & Label Panel. Check Branch Circuits & Update Panel Directory. Verify Bonding & Grounding Condition, Size, Etc.
09	~	EXISTING LTG PANEL FEEDER TO REMAIN: Verify Existing 200 Amp Feeder (1 Cu) 4# 3/0+ 6G (Min.), & Condition, Bonding-Grounding, Etc.
10	~	EXISTING LTG. PANELS & RELATED TO BE REMOVED: Prior To Demo, Trace Each Branch Ckt. & Verify The Load Is Being Demo-Removed. Should A Load Need To Remain, Tag & Ensure Ck(s) Are Provided In New Panel. Remove Existing Lighting Panel(s), Contactors, Controls & Related.
11	~	DEMO EXISTING FOUNTAIN LIGHTS & WIRING: Disconnect & Remove The Existing Fountain Lighting Fixture & Related Wiring & Turn Over To Owner. Review The Existing Electrical Boxes & Conduits With Architect & Owner. The Existing Electrical Boxes & Conduits May Be Reused If In Good Condition, Proper Location & Adequately Sized. Any Unused Shall Be Removed An Penetration(s) Sealed Water-Tight.
12	~	NEW PANEL "L": Provide New Panel "L" Per Panel Schedule. NEMA-4X (Moisture & Corrosion), Reconnect To Existing Feeder. Provide Ground Wire If None Present.
13	~	EXISTING PUMP FEEDER: If Required, Rework Pump Feeder When Existing Fountain Lights & Wiring Are Removed. Provide Ground Wire If None Present.
14	~	NEW PUMP SERVICE DISCONNECT: Provide New Pump Service Disconnect Switch, Wall Mounted, Flex To Motor Connection. NEMA-4X, 200A, 3P, G, NF With Label.
15	~	FOUNT. WRING: Refer To Other Plans, Sections, Wiring Detail, Etc. Related To Wiring Of Fountain Lights.
16	~	--- Note Space Unused ---
20	~	MASTER GROUND BUS (MBG): Ground-Bus Mounted High On Wall With Label. Term. Cables With 2-Hole Cable Lugs & Label Each Cable; Burndy BBB or Erico TGB/ TMGB (NEC-250)
21	~	BOND-GROUND TO CW MAIN: (1) #3/0 CU Grnd-1.00"PVC. UL-Clamp With-In 5-Ft Of Pipe Entry (Ensure A Min. 10-Ft Metal Pipe UG) (NEC-250.50 & 52.1)
22	~	BOND-GROUND TO GROUND ROD FIELD: (1) # 4 CU Grnd-1.00"PVC To Three 10-Ft, Tin-Plated Copper Ground Rods, Equally Spaced 10-Ft Apart. UL-Clamp Each Rod To Cable. (NEC-250.50 & 52.5)
23	~	BOND-GROUND AT ELECTRICAL SERVICE ENTRY (Each Location): (1) #3/0 CU Grnd-1.00"PVC. To Main Service Device & Connect To Ground Device-Lug. (NEC-250)
24	~	BOND-GROUND SERVICE ENTRY "BOND-JUMPER" (Each Location): (1) #3/0 CU Grnd. Unspliced Cable "Jumper" From Ground Device-Lug To Neutral Lug. (NEC-250.24.B & 250.28)
25	~	BOND-GROUND TO TELCO ISBT (Each Location): (1) #2 CU Grnd-1.00" PVC From MGB To ISBT At Each LV TELCO Service Location (Terminate With ISBT). Provide Equipotential & Ground For Each TELCO Service & Distb.
26	~	TELCO ISBT (Inter-system Bonding Terminal-Ground Bar; Each Location): Provide A UL Dual-Rated, 8-Hole Lug With 2-Mounting Holes & Label. Mount High On TELCO Backboard Or In Cabinet & Label. ILSCO PET or Equal.
27	~	HALO EQUIPOTENTIAL BOND-GROUND LOOP (#6-Min.): Tin-Plated Copper (Tin-Plated To Reduce Corrosion) Bare Wire. All Connectors & Hardware Shall Be UL Wet-Location, Corrosion-Resistant Type. Route Around The Vault & Tunnel Perimeter, Mounted High As Possible Forming A Loop. Bond To Every Metallic Item (Hardware, Pipes, Electrical Items, Existing & New, Etc.) To Ensure All Items Are At Equipotential. Bond To Main Service Ground With Two Leads.
28	~	TVSS UNIT (208Y-120V, 3-Phase, 4-Wire, Ground): C-Class, 10-Mode, 200-4A SCCR, EMI/RFI Filter, Disconnect, Alarm & Meters, NEMA-3R; 240 kA/ Phs: 120kA/ Mode. Mount Close As Possible To Protected Device To Keep Lead Lengths Short. Extend (1Cu) 4# 4+ 4G- 1.25" C To A 40A, 3p OCP Device. SQ-D TVSXEMA-xxx Or Equiv. (GE, Eaton, Siemens)
18-1??	~	End of Legend Notes



Project: LaGrange Lafayette Square		L		Sched		LaGrange, GA. 30240		City, St.											
Gen #1	Bkr Ties On Multi-Wire Ckts NEC 210.4B	Volts	LL	208	Enclosure-Mtg	NEMA4X	Wall Surf Mtg.												
Gen #2	Seismic Certified & Seismic Rated Anchors & Supports Regd.	Volts	LN	120	Cover & Door:	Standard	% Spare >	15%											
Gen #3	Matching Pnl. Wire Gutter & Sectional Covers, Pnl To Ctg. With Trim	Phs.	3	W	4	OCP Types:	Main - MCCB-60C/75C	Branch- MCCB, 60C/75C	Lugs										
Gen #4	NEW PANEL	Buss Amps	200			All Busing:	CU or AL	100% N & G	Busing										
Gen #5	ALL MCCB's To Have GFCI Protection, Unless Otherwise Noted.	Main OCP	MLO			Arc-Flash:	Labeled Per NEC & OSHA												
Gen #6	---	Min. SCIR- kA:	22k			Note:													
Rv	Nt	Description	Wiring	ID	WVA	OCP	P	#	P	#	OCP	P	WVA	ID	Wiring	Description	Nt	Rv	
		LTG: WA & WJ	208V	L	1,000	20	-	1	A	2	20	-	936	C	2# 10+ 10G	HVAC: Ductless System			
		208V	2# 10+10G	L	1,000	-	2	3	B	4	-	2	936	C	DS:30A,2P,G,N1	0.75T,208V,9MCA			
		LTG: WA & WJ	208V	L	1,000	20	-	5	C	6	20	1	936	C	2# 12+ 12G	HVAC: Ductless ID Unit			
		208V	2# 10+10G	L	1,000	-	2	7	A	8	20	1	840	C	2# 12+ 12G	HVAC:Dehumid,120V,7A			
		LTG: WA & WJ	208V	L	1,000	20	-	9	B	10	20	1	700	L	2# 12+ 12G	LTG: Vault			
		208V	2# 10+10G	L	1,000	-	2	11	C	12	20	1	1,400	R	2# 12+ 12G	RCPT: Vault			
		LTG: WA & WJ	208V	L	1,000	20	-	13	A	14	20	1	500	L	2# 12+ 12G	LTG Driver Pwr			
		208V	2# 10+10G	L	1,000	-	2	15	B	16	20	1	500	L	2# 12+ 12G	LTG Driver Pwr			
		LTG Controls DMX	2# 12+ 12G	E	900	20	1	17	C	18	20	1	500	L	2# 12+ 12G	LTG Driver Pwr			
		> Spare <	??	0	20	1	19	A	20	20	1	500	L	2# 12+ 12G	LTG Driver Pwr				
		> Spare <	??	0	20	1	21	B	22	20	1	500	L	2# 12+ 12G	LTG Driver Pwr				
		> Spare <	??	0	20	1	23	C	24	20	1	500	L	2# 12+ 12G	LTG Driver Pwr				
		> Spare <	---	0	20	1	25	A	26	20	1	500	L	2# 12+ 12G	LTG Driver Pwr				
		> Spare <	---	0	20	1	27	B	28	20	1	500	L	2# 12+ 12G	LTG Driver Pwr				
		> Spare <	---	0	20	1	29	C	30	20	1	500	L	2# 12+ 12G	LTG Driver Pwr				
		< Blank Space >	---	0	BS	1	31	A	32	BS	1	0			< Blank Space >				
		< Blank Space >	---	0	BS	1	33	B	34	BS	1	0			< Blank Space >				
		< Blank Space >	---	0	BS	1	35	C	36	BS	1	0			< Blank Space >				
		1 TVSS Surge Protector	---	0	40	-	37	A	38	BS	1	0			< Blank Space >				
		See Manuf Data	---	0	-	-	39	B	40	BS	1	0			< Blank Space >				
		---	---	0	-	-	41	C	42	BS	1	0			< Blank Space >				
N#H	01-	Non-GFCI MCCB			Phs-	A	32.8 %	52	Amp				6,276	VA	23.6	KVA	Factored End Use	65	Amp
	02-	Not Used			Phs-	B	32.0 %	51	Amp				6,136	VA	0.0	KVA	Pass Thru Load	0	Amp
	03-	Not Used			Phs-	C	35.2 %	56	Amp				6,736	VA	3.5	KVA	Spare	10	Amp
	04-	Not Used			Summary =			53	Amp				19,148	VA	27.1	KVA	Total	75	A
MADDOX GROUP INC.		Pg # 20-127		Date: 20.09.21		Status: Dgn													



Architect's Stamp

Signature Required

SMITH DESIGN GROUP, INC.
206 WEST HARALSON ST
LAGRANGE, GEORGIA 30240
706-882-5511 www.SDGarch.net

9309 Seminole Road
Jonesboro, Georgia 30236
770-471-5076
maddoxgroup@comcast.net

TMG Job #: 20.127
Copyright - TMG - 2020

THE MADDOX GROUP, INC.
DESIGN & ENGINEERING CONSULTANTS

Revisions		
#	Date	Description

Project Title:

LAFAYETTE SQUARE & FOUNTAIN LIGHTING ENHANCEMENTS
Lafayette Square
LAGRANGE, GEORGIA 30240

Sheet Title:

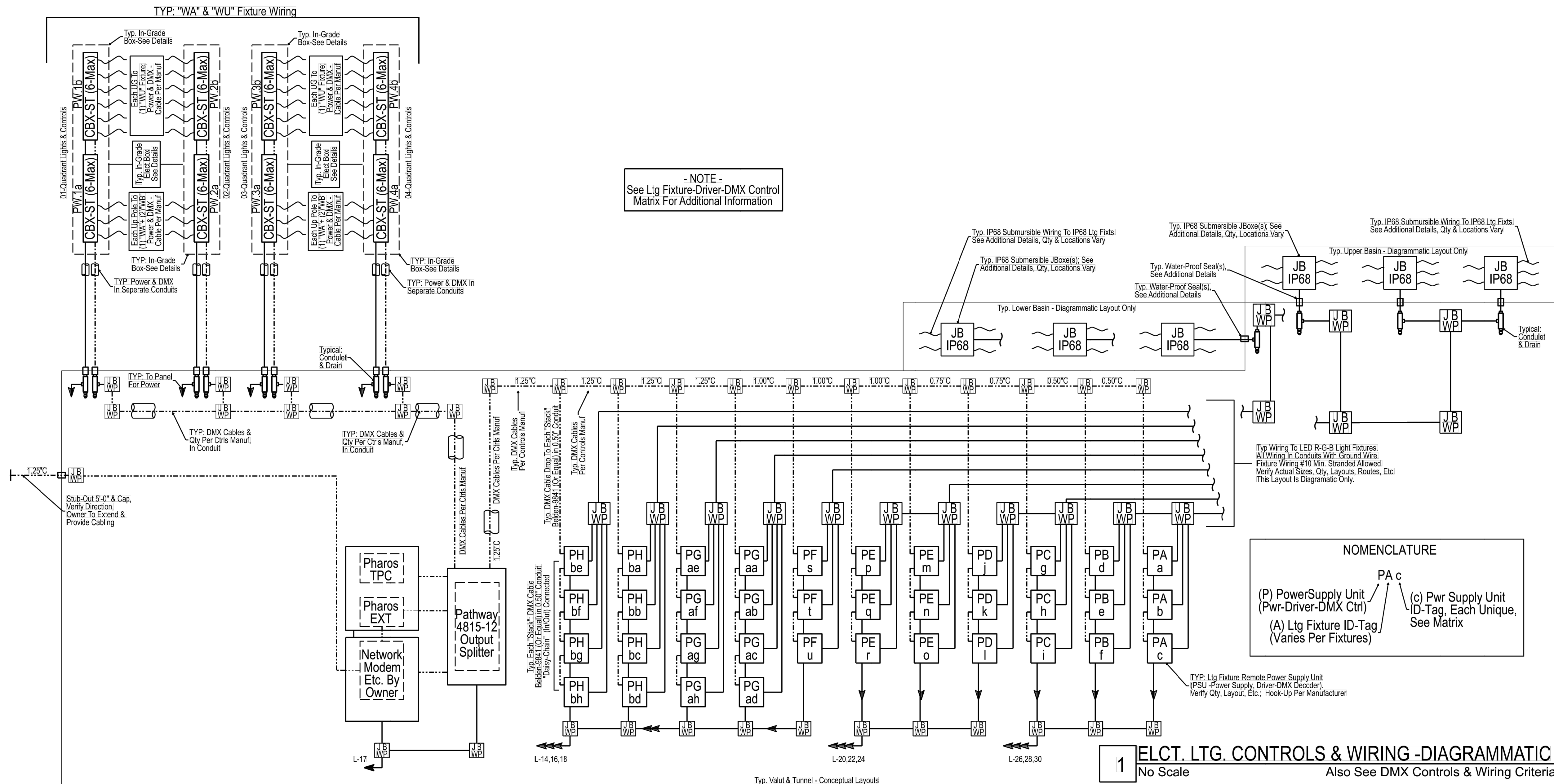
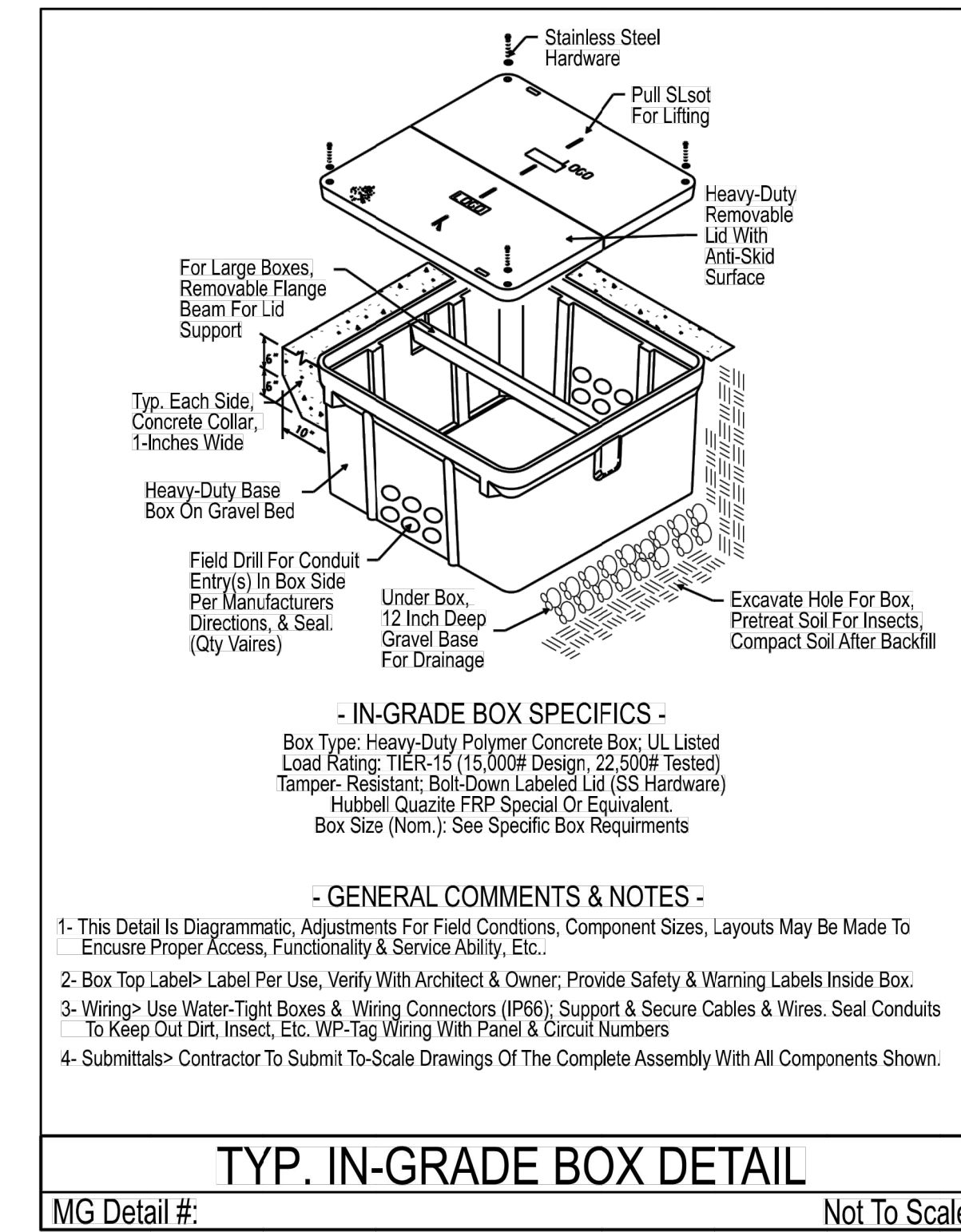
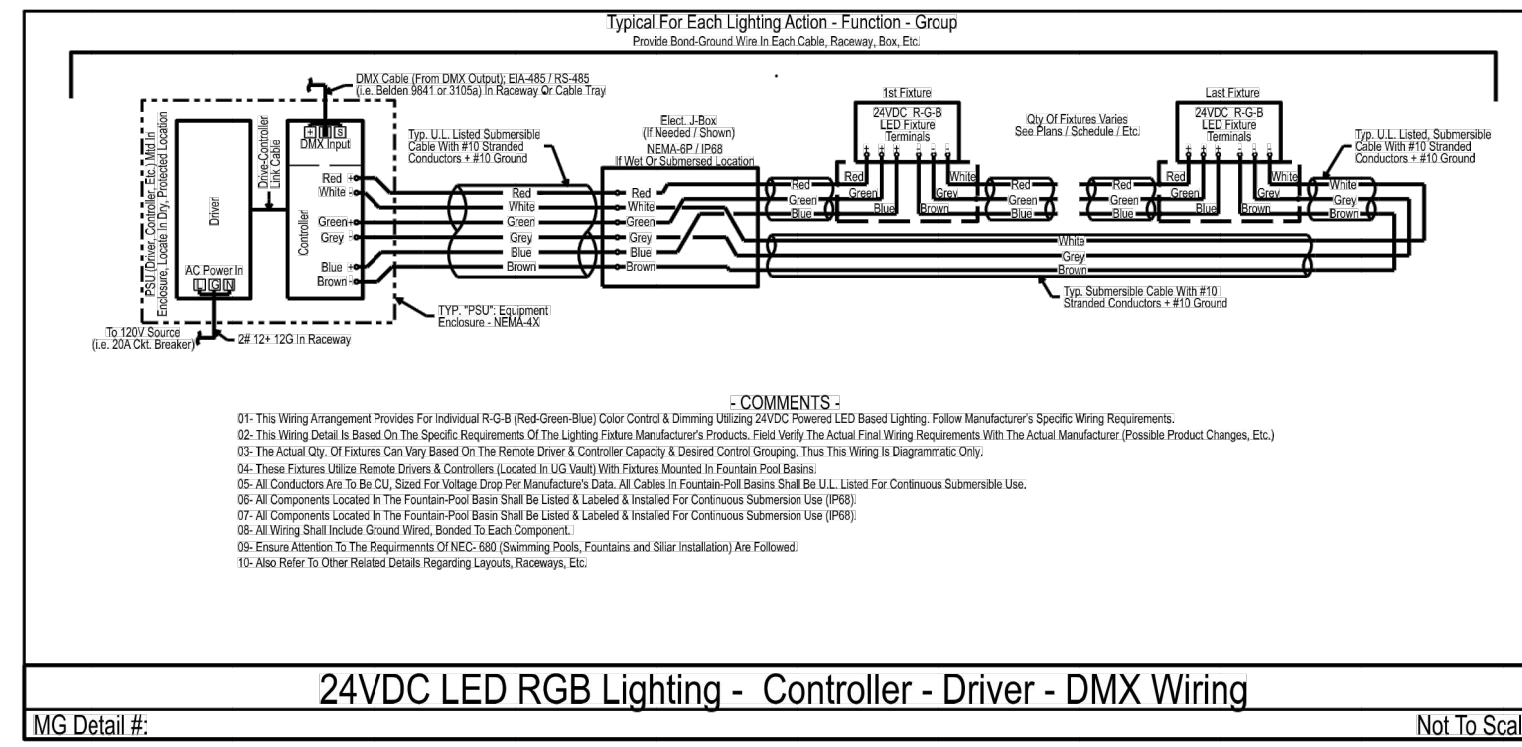
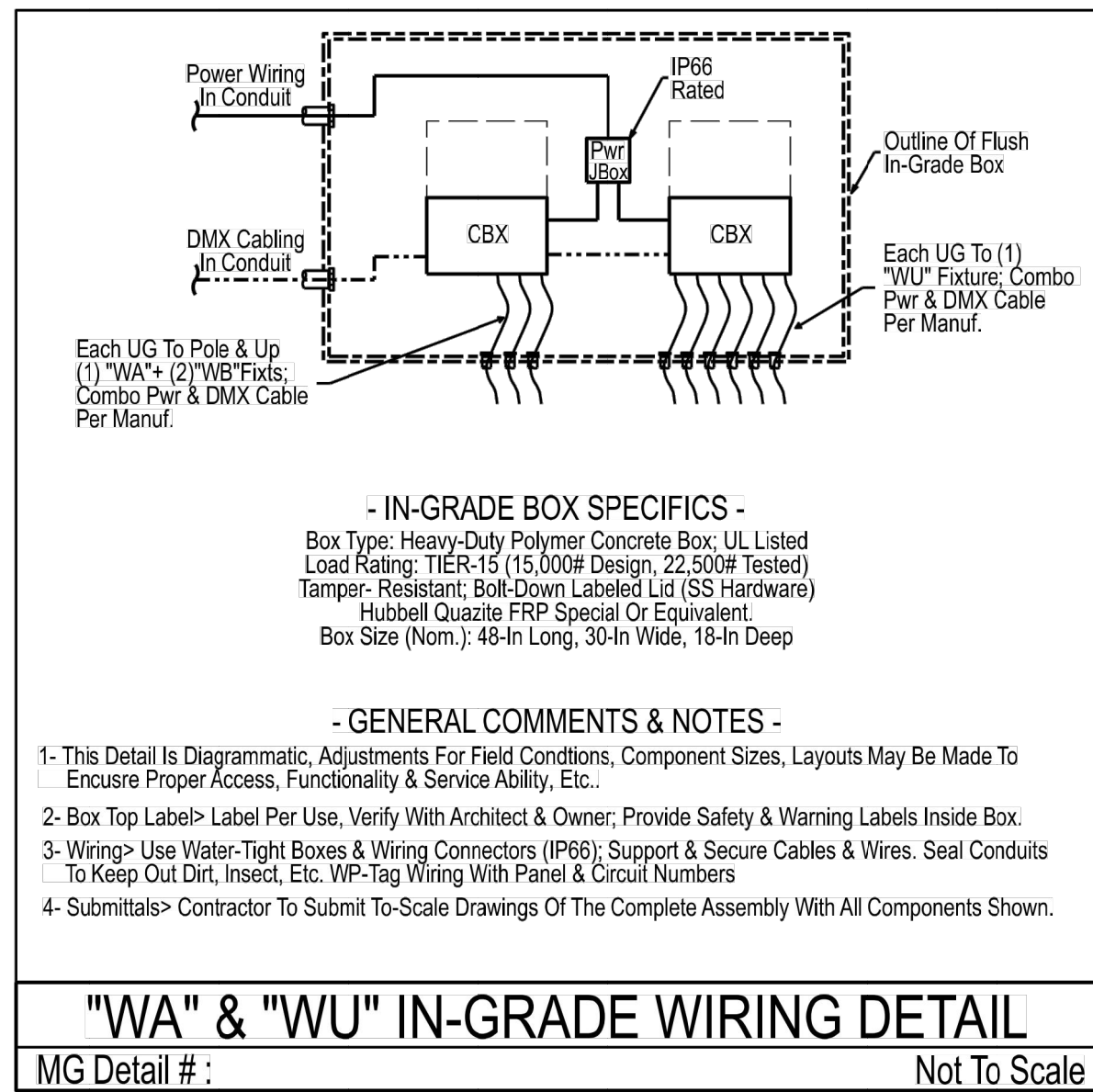
ELECTRICAL RISER & SCHEDULES

Modified Date: na

Issued Date: 07 OCT. 2020

SDG Job No: 20-12

Sheet: E-02



Architect's Stamp

Signature Required

SMITH DESIGN GROUP, INC.
 206 WEST HARALSON ST
 LAGRANGE, GEORGIA 30240
 706-882-5511 www.SDGarch.net

9309 Seminole Road
 Jonesboro, Georgia, 30236
 770-471-6076
 maddoxgroup@comcast.net

TMG Job #: 20.127
 Copyright - TMG- 2020

THE MADDOX GROUP, INC.
 DESIGN & ENGINEERING CONSULTANTS

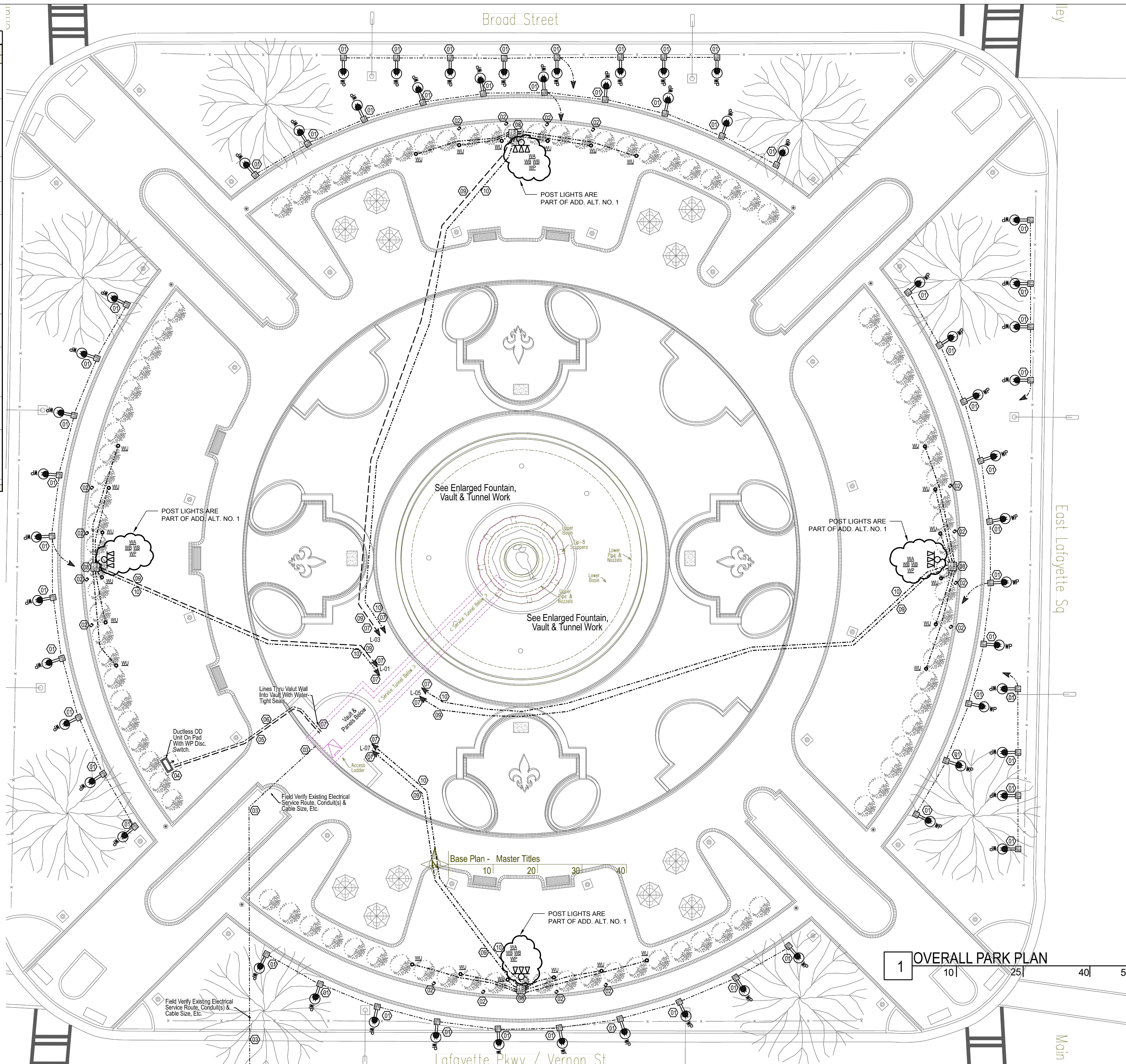
Revisions		Description	
#	Date		

Project Title:
LAFAYETTE SQUARE & FOUNTAIN LIGHTING ENHANCEMENTS
 Lafayette Square
 LAGRANGE, GEORGIA 30240

Sheet Title:
ELECTRICAL & CONTROLS WIRING & RELATED

Modified Date: na	SDG Job No: 20-12
Issued Date: 07 OCT. 2020	Sheet: E-04

LEGEND NOTES		
#	Rv	CO
20.10.01 LaGrange Lafayette Square		
LEGEND NOTES E-05		
01	-	EXISTING SITE RECEPT (GFCI, WP): Field Locate & Verify. Check For Proper Type & Operation. Tag & Notify If Any Issues. Label Box With Pnl & Ckt #. Mark As Bulbs With Pnl & Ckt #.
02	-	EXIST. SITE UP LTG DEMO: Field Locate & Verify. In Each Quadrant The Existing In-Grade Up-Light & Related Wiring Trace & Mark Panel Ckt(s). Then Remove The Existing Lights, Wiring & Related Work. (To Be Replaced With New Ltg & Wiring) Existing UG Conduit(s) Can Remain. Be Reused If Adequate Or Capped & Marked. Deliver Removed Fixture(s) To Owner.
03	-	EXIST. ELECT. SERVICE: Field Locate & Verify. Mark As Bulbs With Route, Conduit & Cable Sizes, Meter & OCP.
04	-	DUCTLESS OD UNIT: Field Verify Final Location With Architect & Owner. Provide, Mount & Anchor Onto Concrete Pad (6 Inches Wider Than Unit On Each Side). Coordinate Locations For Lines (Refrigeration & Wiring).
05	-	DUCTLESS OD REFRIGERATION LINES: Coordinate Exact Route With Archt & Owner Before Rough-Ins. Provide A Min. Of 4.00" PVC Piping (Verify Size With Reg., Manuf.) Under-Ground, With Long-Radius Bends For Refrigeration Lines. Install Reg., Lines. Provide Weather-Cap At Unit & Seal Ends Rain-Tight
06	-	DUCTLESS OD WIRING LINES: Coordinate Exact Route With Archt & Owner Before Rough-Ins. Provide A Min. Of 2.00" PVC Conduit Under-Ground, With Long-Radius Bends For Power & Control Wiring. Provide Weather-Cap & Seal At Unit. All wiring Insulation To Be 600V Rated. Install Wiring & Connect Unit Per Manuf.
07	-	VAULT WALL SEAL(S): Provide Water-Proof Seal For Each Penetration Of The Vault Structure. Seal To Be Fully Rated For The Application, Location & Placement. Also See Any Details.
08	-	FEATURE LTG & CONTROLS NEW IN-GRADE BOX: Flush-In-Grade Electrical Box With Dry-Well Drain. Box Houses Lighting Power & DMX Control Devices (See Details). Extend Dedicated UG Cabling (Per Manuf.) From Control Device To Each Fixture Per Manufacturer. Provide UG PVC Conduit For Cabling Protection.
09	-	FEATURE LTG PWR: Prior To Rough-In Verify Final Locations, Routing, Etc. With Archt & Owner. Provide Power UG Power Wiring. In PVC Conduit, From Vault To In-Grade Box. As Shown. 1.00" Min.
10	-	FEATURE LTG DMX CABLING: Prior To Rough-In Verify Final Locations, Routing, Etc. With Archt & Owner. Provide DMX Cabling. In PVC Conduit, From Vault To In-Grade Box As Shown. Verify DMX Cabling Type & Conductor Sizes For Length & Application With Manufacturer. 1.00" Min.
19-177 End Of Legend Notes		



1 OVERALL PARK PLAN

Architect's Stamp



Signature Required

SMITH DESIGN GROUP, INC.
206 WEST HARALSON ST
LAGRANGE, GEORGIA 30240
706-882-5511 www.SDGarch.net



9309 Seminole Road
Jonesboro, Georgia 30236
770-471-5078
maddoxgroup@comcast.net

TMG Job #: 20.127
Copyright -TMG- 2020

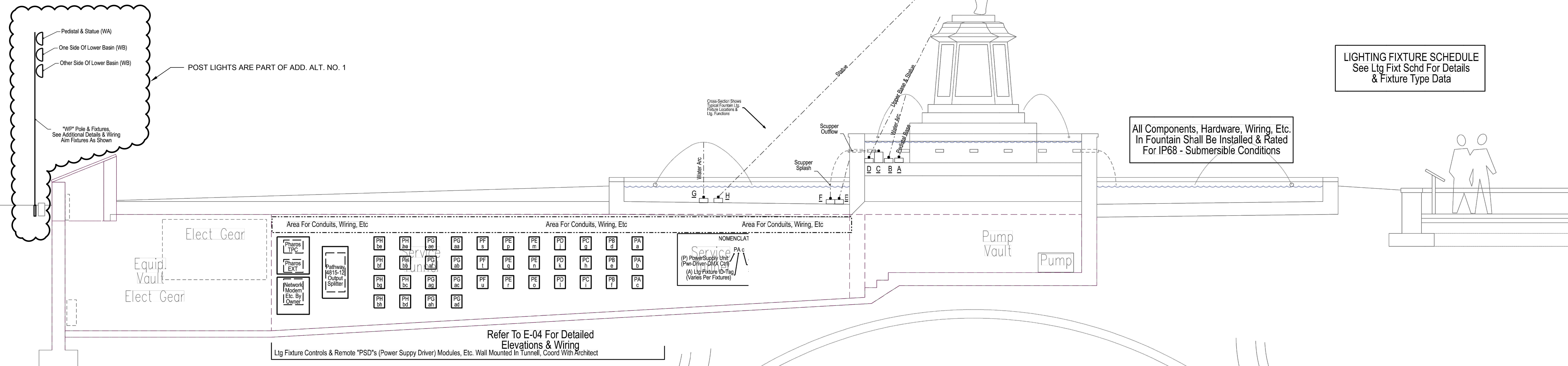
THE MADDOX GROUP, INC.
DESIGN & ENGINEERING CONSULTANTS

Revisions		
#	Date	Description

Project Title:
LAFAYETTE SQUARE & FOUNTAIN LIGHTING ENHANCEMENTS
Lafayette Square
LAGRANGE, GEORGIA 30240

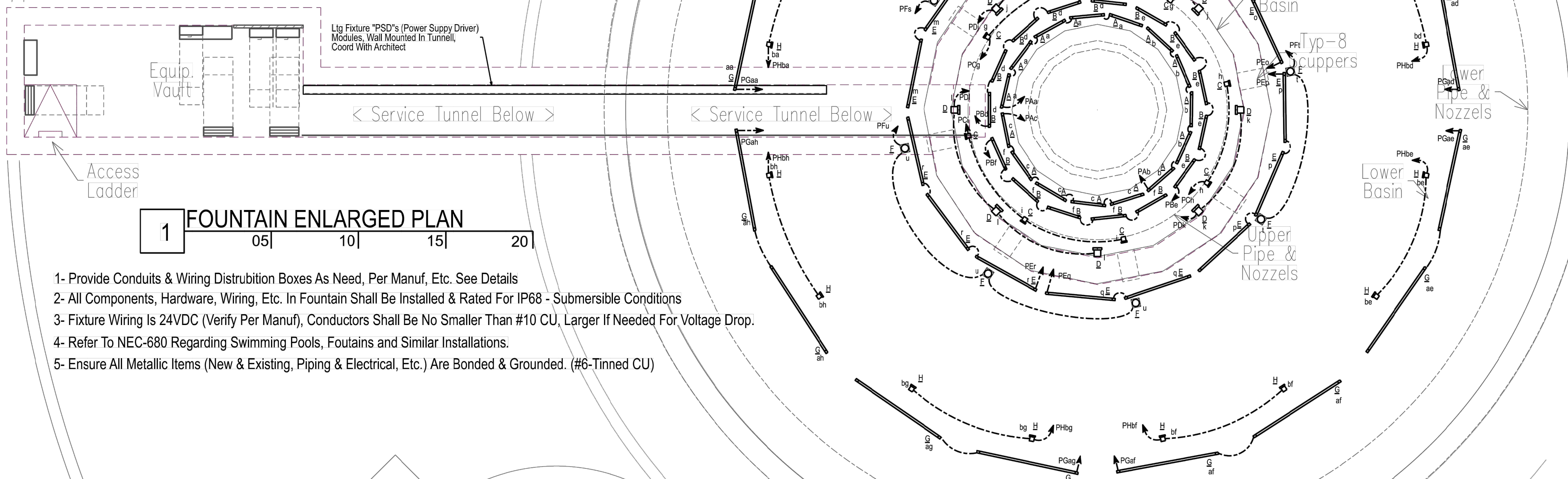
Sheet Title:
ELECTRICAL & LIGHTING OVER-ALL PLAN

Modified Date:	SDG Job No:
na	20-12
Issued Date:	Sheet:
07 OCT. 2020	E-05



2 TYPICAL SECTION VIEW

Verify All Vault Related Deminision Prior To Pricing



1 FOUNTAIN ENLARGED PLAN

- 1- Provide Conduits & Wiring Distribution Boxes As Need, Per Manuf, Etc. See Details
- 2- All Components, Hardware, Wiring, Etc. In Fountain Shall Be Installed & Rated For IP68 - Submersible Conditions
- 3- Fixture Wiring Is 24VDC (Verify Per Manuf), Conductors Shall Be No Smaller Than #10 CU, Larger If Needed For Voltage Drop.
- 4- Refer To NEC-680 Regarding Swimming Pools, Fountains and Similar Installations.
- 5- Ensure All Metallic Items (New & Existing, Piping & Electrical, Etc.) Are Bonded & Grounded. (#6-Tinned CU)



NOTE: Basin, Fixtures, Etc. Shown Attached To Heavy Beams For Anchoring & Support Bar To Also Allow For Some Post Installation SUBSTITUTIONS & MODIFICATIONS.

1. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

2. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

3. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

4. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

5. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

6. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

7. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

8. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

9. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

10. Submersible Underwater Electrical Cables As Requested - Verify Water Depth - Verify Water Depth - Verify Water Depth - Secure Conduits To Slab - Secure Conduits To Slab - Secure Conduits To Slab

- COMMENTS -

1. This Detail is Diagrammatic & General To Show The Concept Of How To Mount Device, Boxes, Etc. & Make Penetrations In Concrete Pool Basins & Slabs. Refer To The Final Conditions, Construction Layouts, Wiring Requirements, Product Manufacturers Requirements, Etc.

2. Final Review, If Detail, The Existing Conditions & Include Any Needed Field Adjustments Prior To Pricing.

3. All Components, Products, Wiring, Etc. Shall Be Labeled For Continuous Submersible Underwater Applications & Installed In Accordance WITH THE LISTING (IP68).

4. All Wiring Shall Include A Ground Conductor, Bonded To All Components, Etc. & Bonded To The Fountain-Pool Grounding System AS SHOWN, MIN. PER NEC 680.26.

FOUNTAIN-POOL SUBMERSIBLE WIRING

MS Detail # Not To Scale

Architect's Stamp

Signature Required

SMITH DESIGN GROUP, INC.
206 WEST HARALSON ST
LAGRANGE, GEORGIA 30240
706-882-5511 www.SDGarch.net

9309 Seminole Road
Jonesboro, Georgia 30236
770-471-9076
maddoxgroup@comcast.net

TMG Job #: 20.127
Copyright-TMG- 2020

THE MADDOX GROUP, INC.
DESIGN & ENGINEERING CONSULTANTS

Revisions		
#	Date	Description

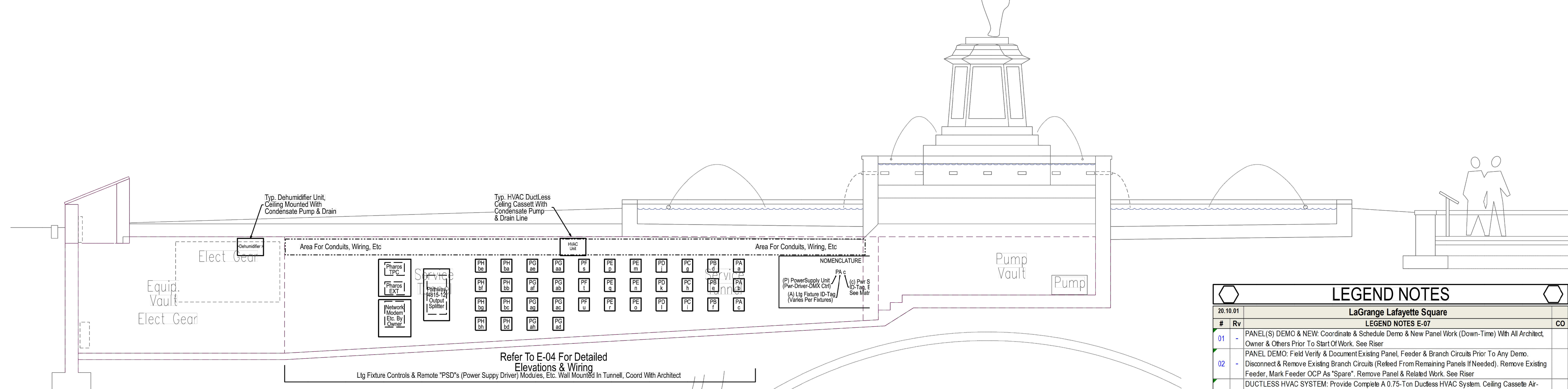
Project Title:

LAFAYETTE SQUARE & FOUNTAIN LIGHTING ENHANCEMENTS
Lafayette Square
LAGRANGE, GEORGIA 30240

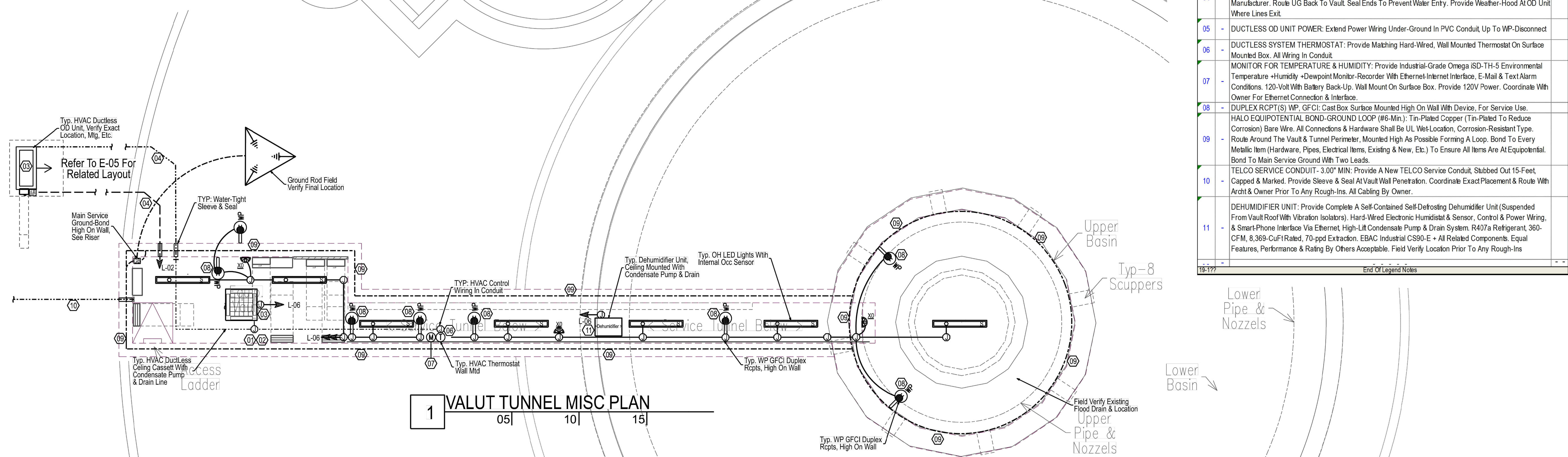
Sheet Title:

FOUNTAIN ENLARGED PLAN & ELEVATIONS

Modified Date:	SDG Job No:
na	20-12
Issued Date:	Sheet:
07 OCT. 2020	E-06



LEGEND NOTES		
#	Rv	CO
20.10.01 LaGrange Lafayette Square		
LEGEND NOTES E-07		
01	-	PANEL(S) DEMO & NEW: Coordinate & Schedule Demo & New Panel Work (Down-Time) With All Architect, Owner & Others Prior To Start Of Work. See Riser
02	-	PANEL DEMO: Field Verify & Document Existing Panel, Feeder & Branch Circuits Prior To Any Demo. Disconnect & Remove Existing Branch Circuits (Refeed From Remaining Panels If Needed). Remove Existing Feeder, Mark Feeder OCP As "Spare". Remove Panel & Related Work. See Riser
03	-	DUCTLESS HVAC SYSTEM: Provide Complete A 0.75-Ton Ductless HVAC System. Ceiling Cassette Air-Handling Unit (Suspended From Vault Roof With Vibration Isolators), Matching OD Unit (Anchored On Concrete Pad), Refrigeration Piping, Wired Thermostat, Control & Power Wiring, Condensate Pump & Drain System. Carrier 40MBFQ09 (ID) + 3MAQB09R (OD) + All Related Components. Equal By Dakin, Mitsubishi or Toshiba. Field Verify Exact Location Prior To Rough-Ins.
04	-	DUCTLESS REFRIGERATION LINES: Field Verify Exact Placement Of Out-Door (OD) Unit. Provide A Minimum Of A 6.00" PVC Conduit With long Radius Bends For Refrigeration Lines (Verify Size With Manufacturer. Route UG Back To Vault. Seal Ends To Prevent Water Entry. Provide Weather-Hood At OD Unit Where Lines Exit.
05	-	DUCTLESS OD UNIT POWER: Extend Power Wiring Under-Ground In PVC Conduit, Up To WP-Disconnect
06	-	DUCTLESS SYSTEM THERMOSTAT: Provide Matching Hard-Wired, Wall Mounted Thermostat On Surface Mounted Box. All Wiring In Conduit.
07	-	MONITOR FOR TEMPERATURE & HUMIDITY: Provide Industrial-Grade Omega ISD-TH-5 Environmental Temperature +Humidity +Dewpoint Monitor-Recorder With Ethernet-Internet Interface, E-Mail & Text Alarm Conditions. 120-Volt With Battery Back-Up. Wall Mount On Surface Box. Provide 120V Power. Coordinate With Owner For Ethernet Connection & Interface.
08	-	DUPLEX RCPT(S) WP, GFCI: Cast Box Surface Mounted High On Wall With Device. For Service Use. HALO EQUIPOTENTIAL BOND-GROUND LOOP (#6-Min.): Tin-Plated Copper (Tin-Plated To Reduce Corrosion) Bare Wire. All Connections & Hardware Shall Be UL Wet-Location, Corrosion-Resistant Type. Route Around The Vault & Tunnel Perimeter, Mounted High As Possible Forming A Loop. Bond To Every Metallic Item (Hardware, Pipes, Electrical Items, Existing & New, Etc.) To Ensure All Items Are At Equipotential. Bond To Main Service Ground With Two Leads.
10	-	TELCO SERVICE CONDUIT- 3.00" MIN: Provide A New TELCO Service Conduit, Studded Out 15-Feet, Capped & Marked. Provide Sleeve & Seal At Vault Wall Penetration. Coordinate Exact Placement & Route With Archit & Owner Prior To Any Rough-Ins. All Cabling By Owner.
11	-	DEHUMIDIFIER UNIT: Provide Complete A Self-Contained Self-Defrosting Dehumidifier Unit (Suspended From Vault Roof With Vibration Isolators), Hard-Wired Electronic Humidistat & Sensor, Control & Power Wiring, & Smart-Phone Interface Via Ethernet, High-Lift Condensate Pump & Drain System, R407a Refrigerant, 360-CFM, 8,369-CuFt/Rate, 70-ppd Extraction. EBAC Industrial CS90-E + All Related Components. Equal Features, Performance & Rating By Others Acceptable. Field Verify Location Prior To Any Rough-Ins
18-177 End Of Legend Notes		



Revisions		
#	Date	Description

Project Title:

LAFAYETTE SQUARE & FOUNTAIN LIGHTING ENHANCEMENTS
 Lafayette Square
 LAGRANGE, GEORGIA 30240

Sheet Title:

ELECTRICAL LIGHTING MISC VAULT & TUNNEL

Modified Date:	na	SDG Job No:	20-12
Issued Date:	07 OCT. 2020	Sheet:	E-07