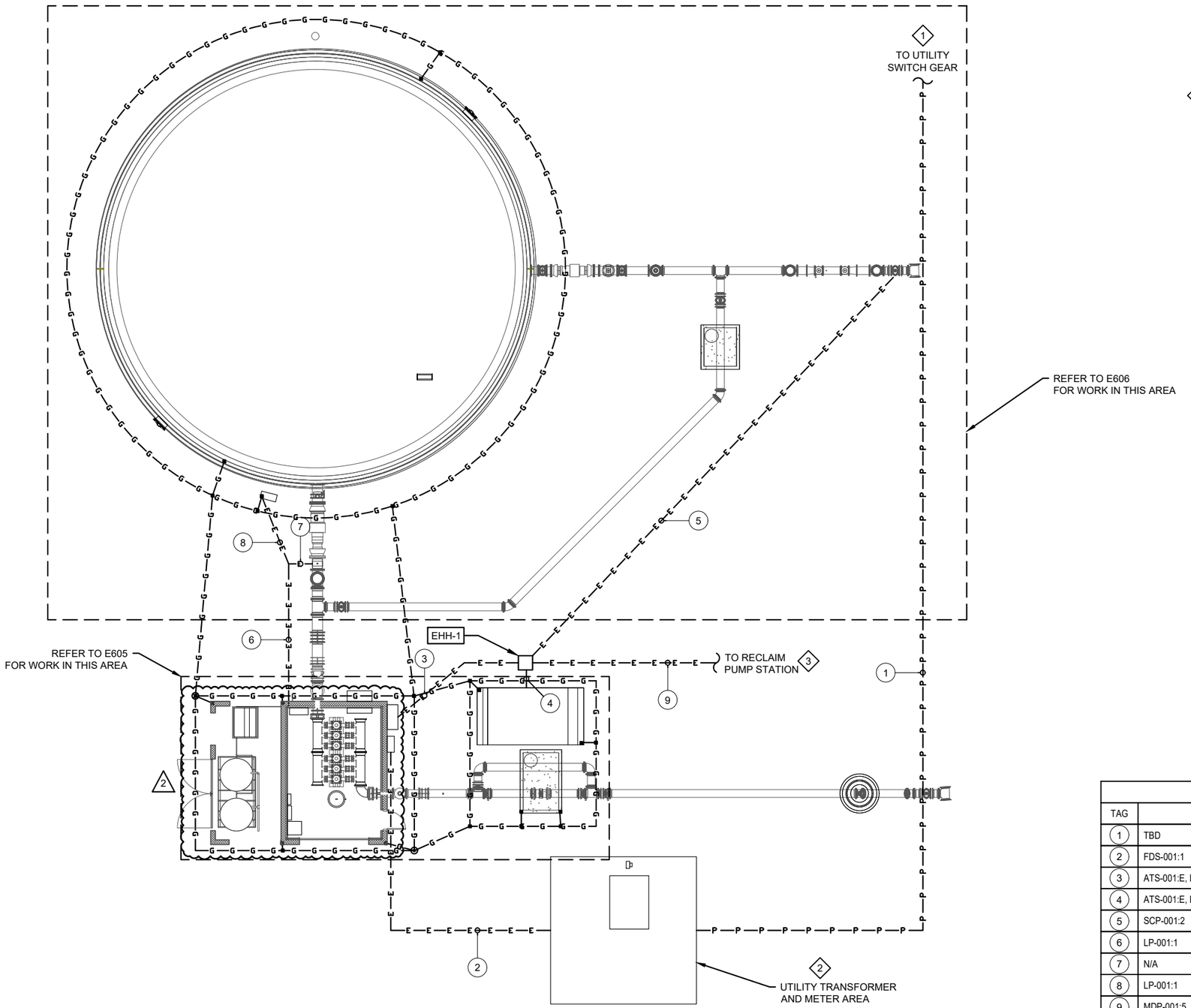


1 SITE PLAN
SCALE: 1"=16'

GENERAL NOTES:

1. ALL EQUIPMENT IS SHOWN WITH BEST KNOW INFORMATION. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EQUIPMENT PRIOR TO INSTALLATION.
2. CONTRACTOR TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO STARTING ANY SITE WORK.
3. ALL CONDUIT ENTERING AND LEAVING THE PUMP HOUSE SHALL BE BELOW GRADE.
4. ALL GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, WITH A MINIMUM SIZE OF #2/0 AWG COPPER UNLESS OTHERWISE NOTED.

KEY NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT ONLY AND SHALL BE RESPONSIBLE FOR COORDINATING WITH THE SERVING UTILITY PROVIDER FOR PRIMARY POWER ROUTING AND CONDUIT SIZING.
2. TRANSFORMER PAD TO BE PROVIDED BY UTILITY. CONTRACTOR SHALL COORDINATE LOCATION AND SITE REQUIREMENTS WITH UTILITY.
3. LOCATION OF RECLAIM PUMP STATION TO BE DETERMINED AT A FUTURE DATE. CONTRACTOR TO COORDINATE CONDUIT ROUTING DURING CONSTRUCTION.

CONDUIT/CABLE SCHEDULE

TAG	POWER	CONTROL	KEY NOTES:
1	TBD	N/A	1
2	FDS-001:1	N/A	
3	ATS-001:E, LP-001:9,11, MDP-001:5, SCP-001:2	ATS-001:1, SCP-001:1, SCP-001:18, SCP-001:27	
4	ATS-001:E, LP-001:9,11,	ATS-001:1, SCP-001:18	
5	SCP-001:2	SCP-001:1	
6	LP-001:1	SCP-001:5, SCP-001:6, SCP-001:7, SCP-001:16	
7	N/A	SCP-001:7	
8	LP-001:1	SCP-001:5, SCP-001:6, SCP-001:16	
9	MDP-001:5	SCP-001:27	3

CONDUIT/CABLE SCHEDULE NOTES:

1. REFER TO SINGLE LINE DIAGRAMS AND PANE SCHEDULE FOR CONDUIT AND CABLE REQUIREMENTS.

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ELECTRICAL

SITE OVERALL PLAN

LAKEFRONT ESTATES DEVELOPMENT

POTABLE WATER STORAGE AND RECLAIM PUMPS

DAVID MICHAEL BANKHEAD
No. 19388
STATE OF NEVADA
PROFESSIONAL ENGINEER
1/9/26

REV. NO.	DATE	DESCRIPTION	BY
1	01/12/26	90% DESIGN REVIEW	DMB
2	07/06/26	ADDENDUM_2	DMB

VERIFY SCALES
LINE IS 1-INCH AT FULL SIZE
(IF NOT 1"-SCALE ACCORDINGLY)

PROJECT NO:	011-2502
DRAWN BY:	DMB
DESIGNED BY:	DMB
APPROVED BY:	DMB
SHEET:	### OF ###

DRAWING: E601

Panel Schedule - LP-001

Location:	**BOOSTER STATION BUILDING**			**Mounting:**	**Surface**			**Fed From:**	**TRX-001**				
Voltage:	**208/120**	**Phase: 3**	**Wire: 4**	**Bus Amp:**	**100**			**Main OCP:**	**MLO**		**Interrupt Rating (AIC):**	**22,000**	
Load Description	**P**	**Wire Size**	**Cct Bkr**	**Cnd Size**	**Cct No**	**Phase**		**Cnd Size**	**Cct Bkr**	**Wire Size**	**P**	**Load Description**	
MX-PW-111 TANK SUBMERSIBLE MIXER (5HP)	1	12	20G	3/4	**1**	**A**	**2**	3/4	15	12	1	BUILDING LIGHTING	
LCP-001 SODIUM HYPOCHLORITE DOSING PUMPS	1	12	15	3/4	**3**	**B**	**4**	3/4	20	12	1	INDOOR REC.	
FC-1 INDOOR HVAC	2	12	15	3/4	**5**	**C**	**6**	3/4	15G	12	1	OUTDOOR REC	
					7	**A**	**8**	3/4	15G	12	1	SITE LIGHTING	
2 GEN-E-001 STANDBY DIESEL GENERATOR	2	10	30	1	**9**	**B**	**10**	3/4	20	12	2	HP-1 OUTDOOR HVAC	2
					11	**C**	**12**						
SPARE	1		20		**13**	**A**	**14**					SPACE	
SPARE	1		20		**15**	**B**	**16**					SPACE	
SPACE					**17**	**C**	**18**					SPACE	

NOTES

1. CIRCUIT BREAKER DESIGNATION SUFFIXES:
   G: GFIC TYPE BREAKER SHALL BE PROVIDED.
2. PANEL TO BE PROVIDED WITH SPD.

LOAD SUMMARY

LOAD DESCRIPTION	PHASE A (kVA)	PHASE B (kVA)	PHASE C (kVA)
TOTAL CONNECTED LOAD	1.94	4.40	4.62
25% LONG CONTINUOUS LOAD	0.00	1.05	0.90
25% LARGE MOTOR LOAD	0.28	0.00	0.00
RECEPTACLE DEMAND DERATING	0.00	0.00	0.00
TOTALS	2.22	5.45	5.52

DESIGN AMPACITY CALCULATION	
LARGEST PHASE LOAD (AMPS)	46.0
GROWTH FACTOR (0 TO 100%)	10%
DIVERSITY FACTOR (0 TO 100%)	0%
DESIGN AMPACITY	50.6

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ELECTRICAL

LOW VOLTAGE PANEL SCHEDULES

LAKEFRONT ESTATES DEVELOPMENT

POTABLE WATER STORAGE AND RECLAIM PUMPS

DAVID MICHAEL BANKHEAD — No. 15332 — STATE OF NEVADA — PROFESSIONAL ENGINEER — 1/9/26

REV. NO.	DATE	DESCRIPTION	BY
1	01/12/26	90% DESIGN REVIEW	DMB
2	07/08/26	ADDENDUM_2	DMB

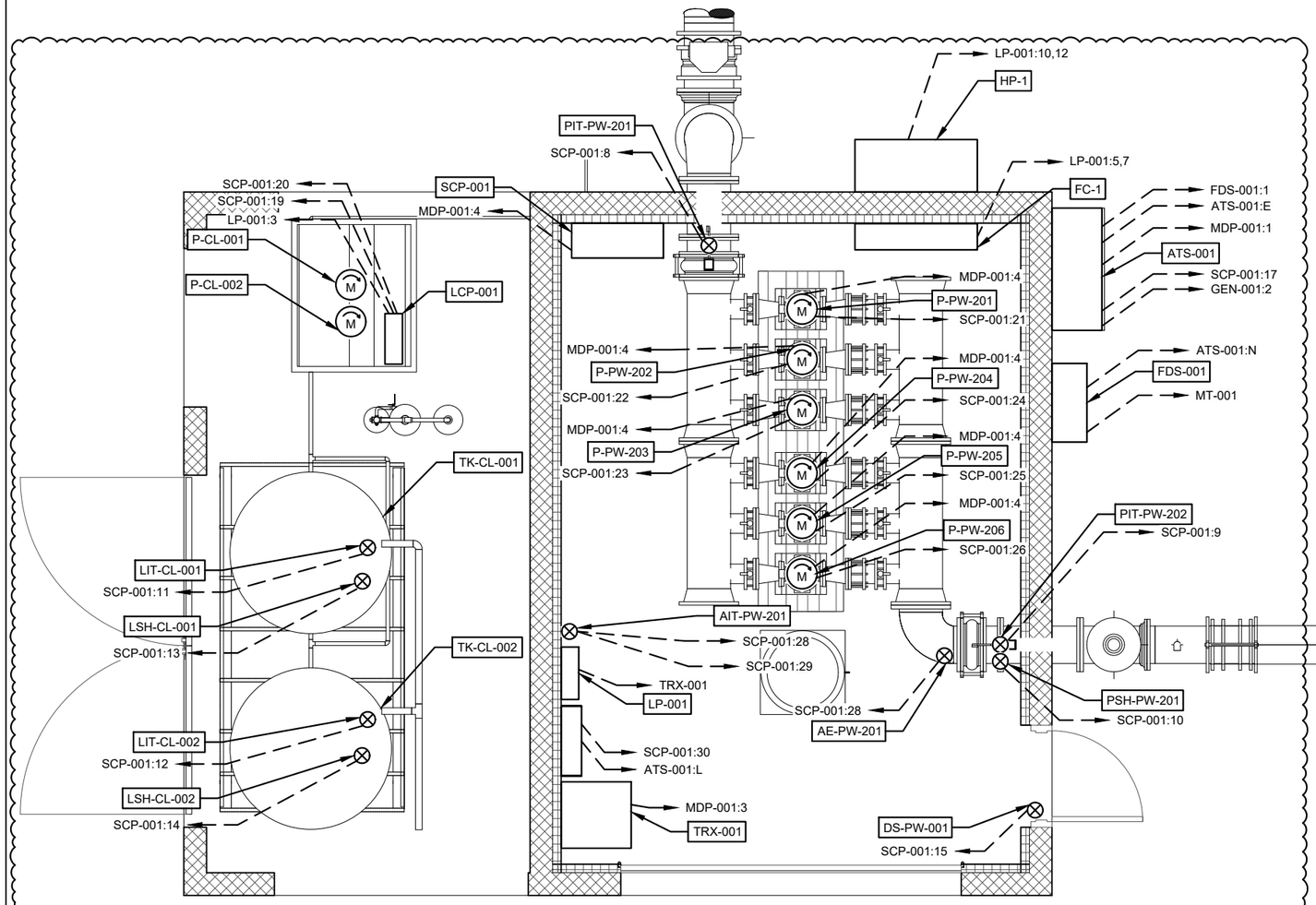
VERIFY SCALES
LINE IS 1-INCH AT FULL SIZE
(IF NOT 1"-SCALE ACCORDINGLY)

PROJECT NO: 011-2502
DRAWN BY: DMB
DESIGNED BY: DMB
APPROVED BY: DMB
SHEET: ### OF ###

DRAWING: E603

GENERAL NOTES:

1. ALL EQUIPMENT IS SHOWN WITH BEST KNOW INFORMATION. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EQUIPMENT PRIOR TO INSTALLATION.
2. ALL CONDUIT ENTERING AND LEAVING THE PUMP HOUSE SHALL DO SO BELOW GRADE.
3. MOTOR AND VFD ARE ONE UNIT. CONTRACTOR TO COORDINATE WITH PUMP SKID MANUFACTURE ON CABLE AND CONDUIT REQUIREMENTS.



3

1 POWER AND EQUIPMENT PLAN
SCALE: 1"=4'

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ELECTRICAL

BOOSTER PUMP STATION AND GENERATOR AREA

LAKEFRONT ESTATES DEVELOPMENT

POTABLE WATER STORAGE AND RECLAIM PUMPS

DAVID MICHAEL BANKHEAD
No. 19369
12/31/26
STATE OF NEVADA
PROFESSIONAL ENGINEER

REV. NO.	DATE	DESCRIPTION	BY
1	01/12/26	90% DESIGN REVIEW	DMB
2	06/10/26	ADDENDUM_1	DMB
3	07/06/26	ADDENDUM_2	DMB

VERIFY SCALES
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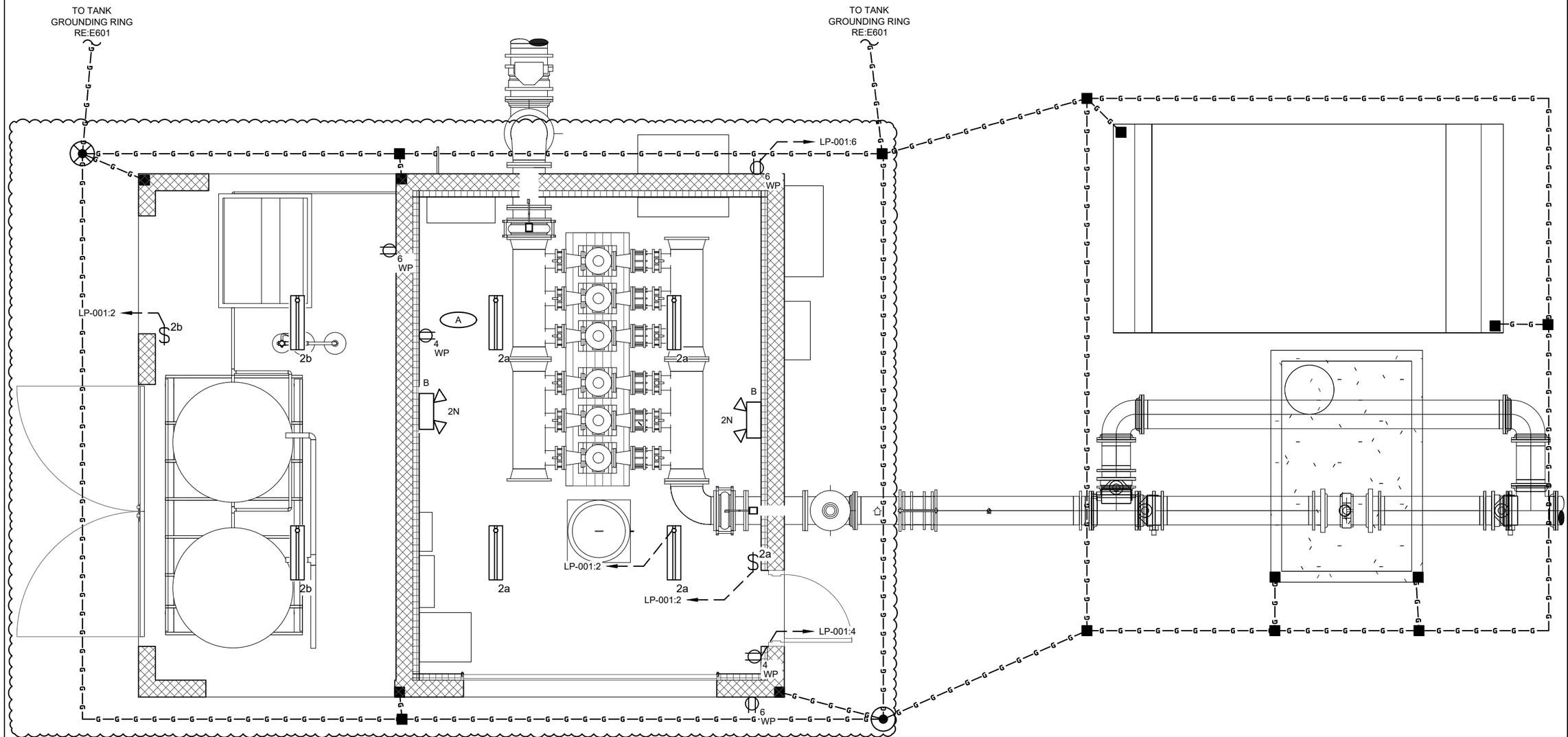
PROJECT NO:	011-2502
DRAWN BY:	DMB
DESIGNED BY:	DMB
APPROVED BY:	DMB
SHEET:	### OF ###

DRAWING: E605

FIXTURE SCHEDULE								
TYPE	WATTS	TYPE	LUMENS	VOLT.	MOUNT. TYPE & HEIGHT	CATALOG NO.	NOTES	DESCRIPTION
A	20	LED	3000	120/277	9' AFF	LITHONIA LIGHTING - FEM L24 3000LM IMAFL WD MVOLT 30K 80CRI	ORDER WITH ANGLE BRACKETS - ANGBKT	2 FT, LED FIXTURE, SUITABLE FOR WET LOCATIONS
B	6.6	LED	640	120/277	8' AFF	LITHONIA LIGHTING - INDL SP640L UVOLT LTP SDRT	ORDER WITH ANGLE BRACKETS - ANGBKT	EMERGENCY LIGHTING UNIT, SUITABLE FOR WET LOCATIONS

GENERAL NOTES:

1. ALL GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, WITH A MINIMUM SIZE OF #2/0 AWG COPPER UNLESS OTHERWISE NOTED.



2

1 LIGHTING, RECEPTACLE, AND GROUNDING PLAN
SCALE: 1"=4'

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ELECTRICAL

BOOSTER PUMP STATION AND GENERATOR AREA

LAKEFRONT ESTATES DEVELOPMENT

POTABLE WATER STORAGE AND RECLAIM PUMPS

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(IF NOT 1"-SCALE ACCORDINGLY)

PROJECT NO:	011-2502
DRAWN BY:	DMB
DESIGNED BY:	DMB
APPROVED BY:	DMB
SHEET:	### OF ###

DRAWING: E607