

INVITATION TO BID REPLACEMENT AND REFURBISHMENT OF THE HORIZONTAL COLLECTOR WELL PUMPS AND PIPING PROJECT B25-PW-108030-500434 ADDENDUM NO. 2 OCTOBER 4, 2024

Attention is called to the following changes, additions, clarifications and/or deletions to the original solicitation and they shall be considered in preparing submissions:

CHANGE IN THE OPENING DATE: NEW [BID] OPENING DATE IS OCTOBER

16, 2024. There is no change in the opening time. **Submissions are due no later than 3:00 p.m., Arizona Time,** at the City Clerk's Office, 2330 McCulloch Blvd. N., Lake Havasu City, AZ 86403 or electronically via the City's DemandStar Network at https://www.demandstar.com/app/buyers/bids/471451/details.

If your bid is already in transit, the City Clerk's Office will hold it for opening on the New Bid Opening Date unless we are notified otherwise. If your bid has already been electronically submitted via DemandStar, you do have access to make changes prior to the time of the opening. Bidder may then email a Receipt Confirmation to Purchasing@lhcaz.gov which will be placed with your bid package.

ITEM	ACTION	DESCRIPITION or ISSUE
1	CHANGE	The due date for this ITB has been changed to October 16, 2024. The time due for submissions remains 3:00 PM local Arizona Time.
2	ADDITION	The as built plans for the Horizontal Collector Well were not attached to Addendum 1 as original posted. They are hereby attached to this addendum (Addendum 2).

Andrew Klos, CPPB Senior Procurement Specialist



LAKE HAVASU CITY - ARIZONA LONDON BRIDGE BEACH PUMP HOUSE PROJECT NO. W-183-00

Contract Drawings

2000

97-777-1-002

APPROVE

CITY ENGINEER

DATE

ROBERT SCHULZ, P.E.

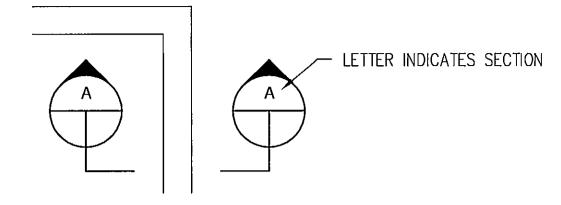
BURNS & McDONNELL ENGINEERING CO., INC.



'AS-BUILT"

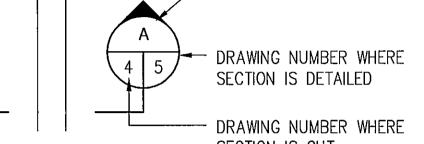




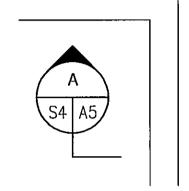


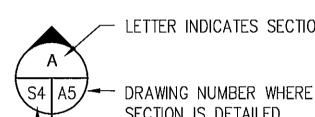
Lake Havasu City, Arizona

LONDON BRIDGE BEACH PUMP HOUSE



SECTION CUT ON ONE DRAWING AND DRAWN ON ANOTHER DRAWING WITHIN THE SAME DISCIPLINE

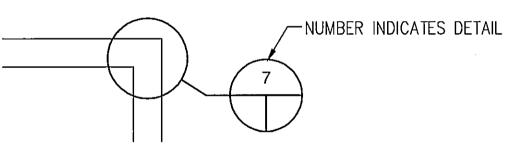




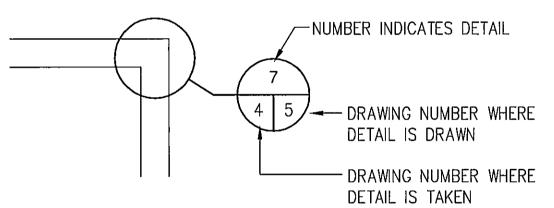
- DRAWING NUMBER WHERE

SECTION CUT ON DRAWING OF ONE DISCIPLINE AND

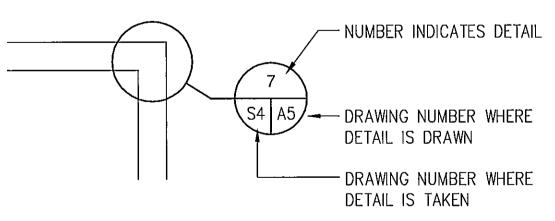
SECTION IDENTIFICATION



DETAIL TAKEN AND DRAWN ON SAME DRAWING.



DETAIL TAKEN ON ONE DRAWING AND DETAILED ON ANOTHER DRAWING WITHIN THE SAME DISCIPLINE.



DETAIL TAKEN ON DRAWING OF ONE DISCIPLINE AND DETAILED ON DRAWING OF ANOTHER DISCIPLINE.

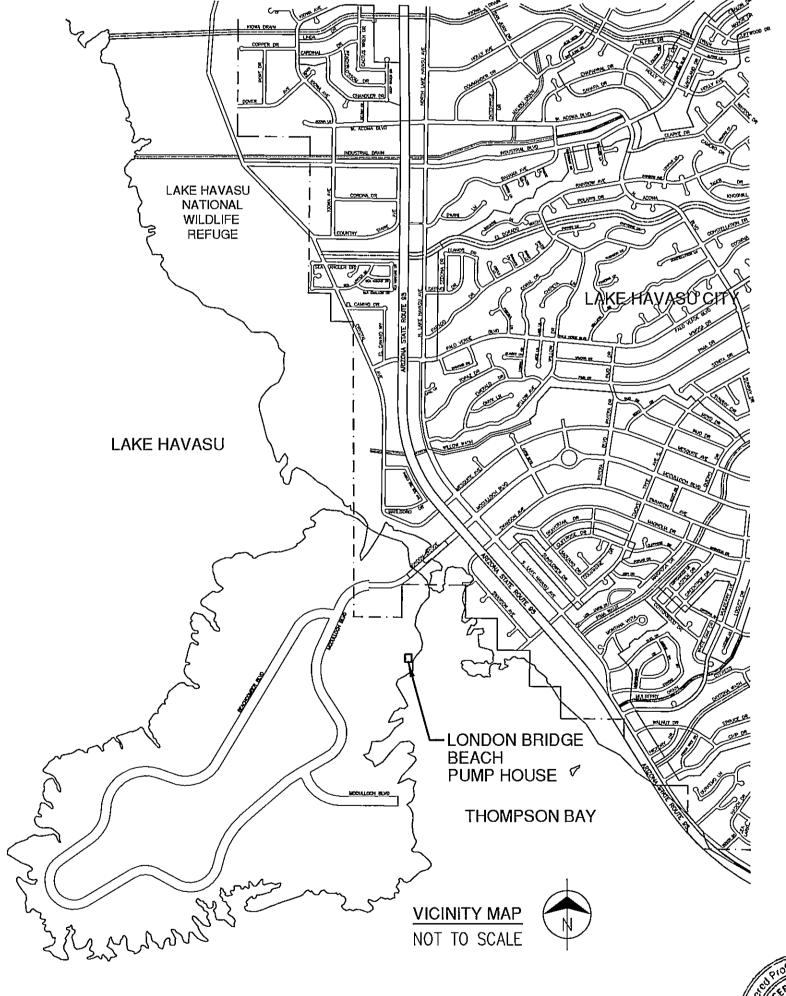
DETAIL IDENTIFICATION

SECTION AND DETAIL IDENTIFICATION SYSTEMS

List of Contract Drawings

DRAWING NO.	TITLE TO THE TOTAL PROPERTY OF THE PROPERTY OF
	COVER
	INDEX
C1	SITE PLAN AND DETAILS
C2	EQUIPMENT LAYOUT
A1	SCREEN WALL - PLAN, ELEVATION AND DETAILS
S 1	STRUCTURAL LEGEND
S2	FOUNDATION PLAN AND DETAILS
S3	ROOF PLAN AND DETAILS
S4	DETAILS AND SECTIONS
P1	PROCESS LEGEND
P2	PARTIAL PLAN AND DETAILS
Р3	SECTIONS AND DETAILS
M1	MECHANICAL LEGEND
M2	HVAC AND PLUMBING FLOOR PLAN AND
–	HVAC CONTROL SEQUENCE OF OPERATION DIAGRAMS
М3	MISCELLANEOUS DETAILS AND SCHEDULES
E1	ELECTRICAL LEGEND
E2	ELECTRICAL ONE—LINE DIAGRAM
E3 E4	ELECTRICAL POWER PLAN ELECTRICAL LIGHTING, SAMLL POWER AND CONTROL PLAN
E5	PUMP CONTROL DIAGRAMS NO. 1
E6	PUMP CONTROL DIAGRAMS NO. 2
E7	PLC I/O WIRING DIAGRAMS AND MISC. DETAILS
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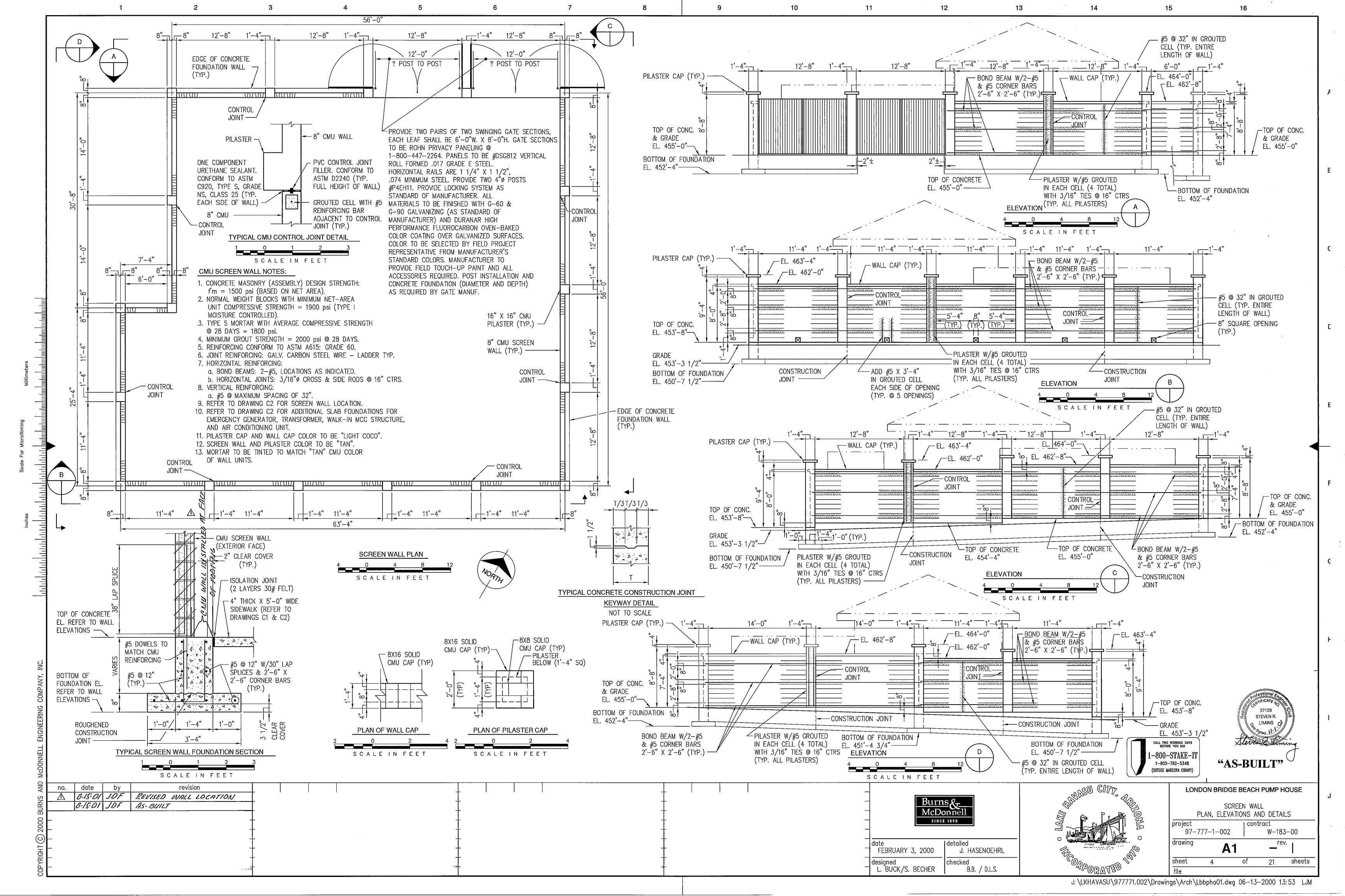
"AS-BUILT"

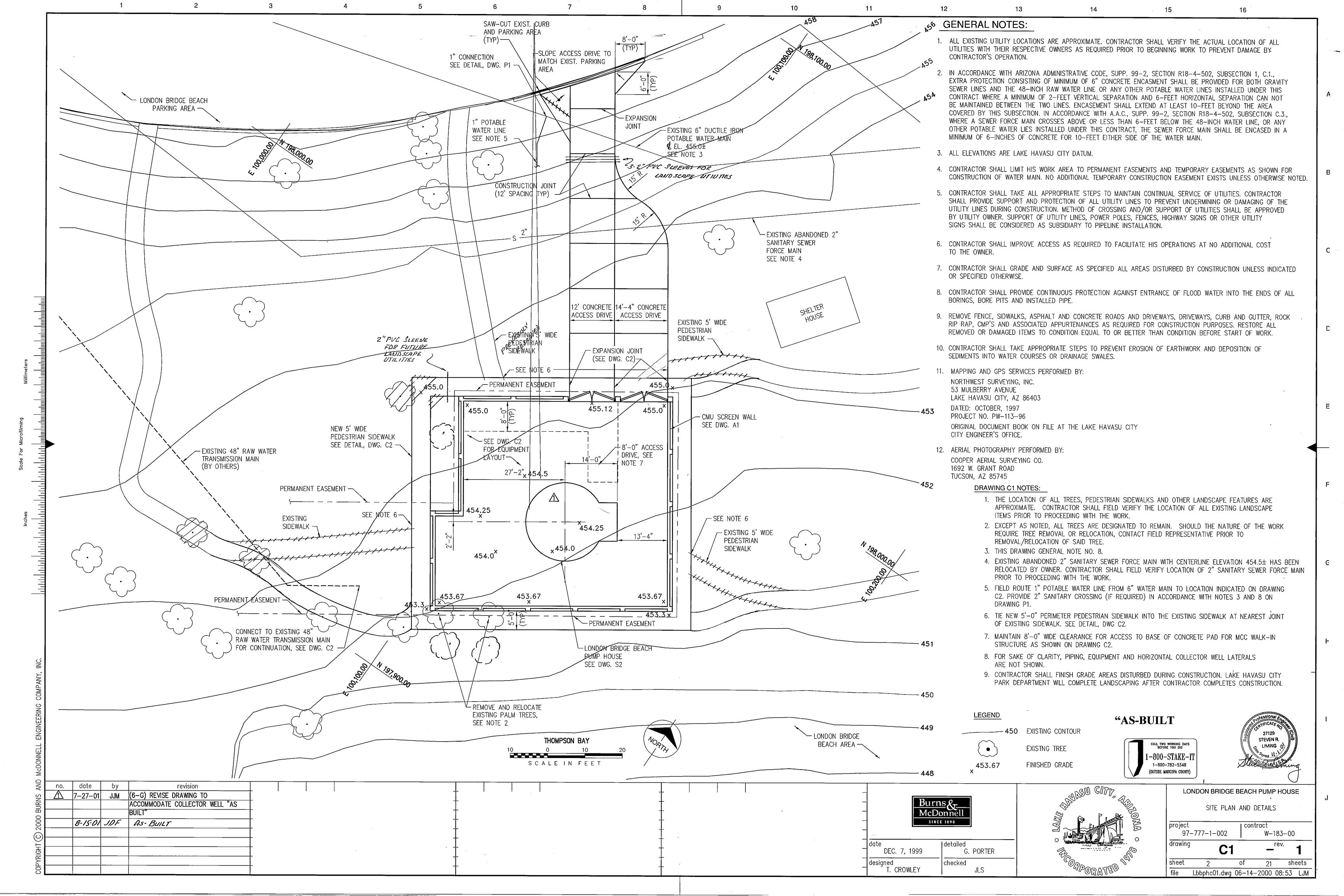


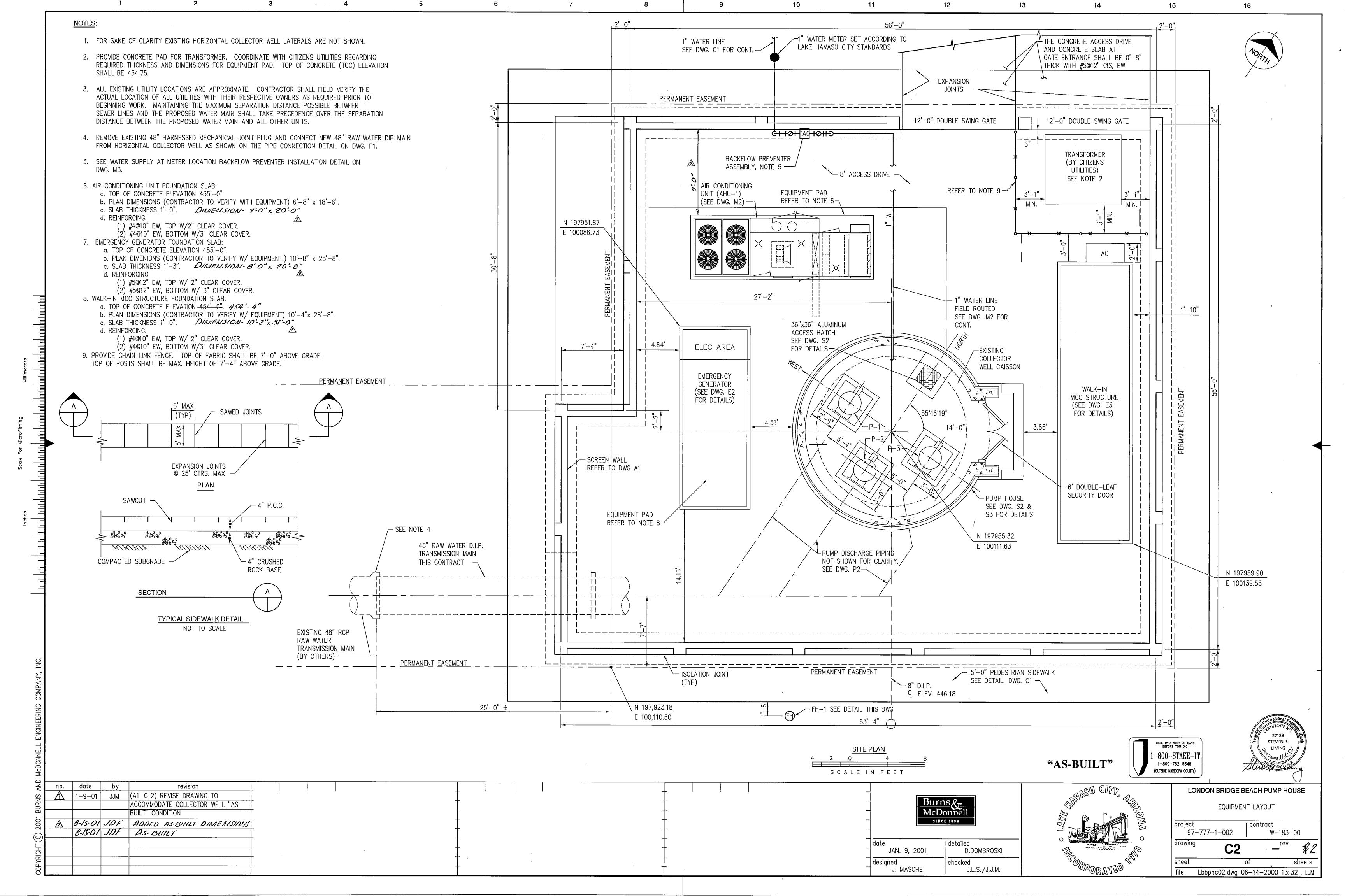


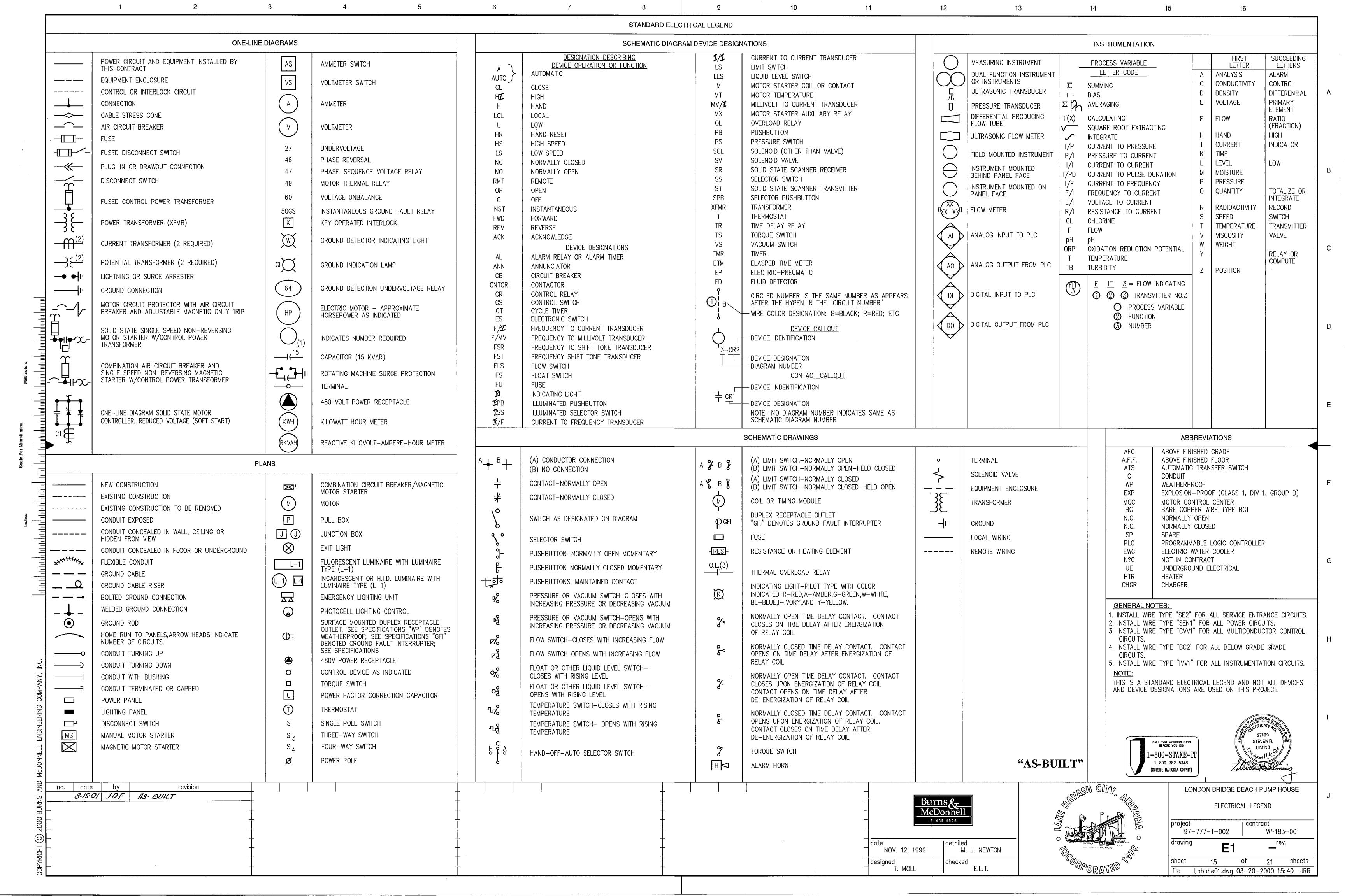


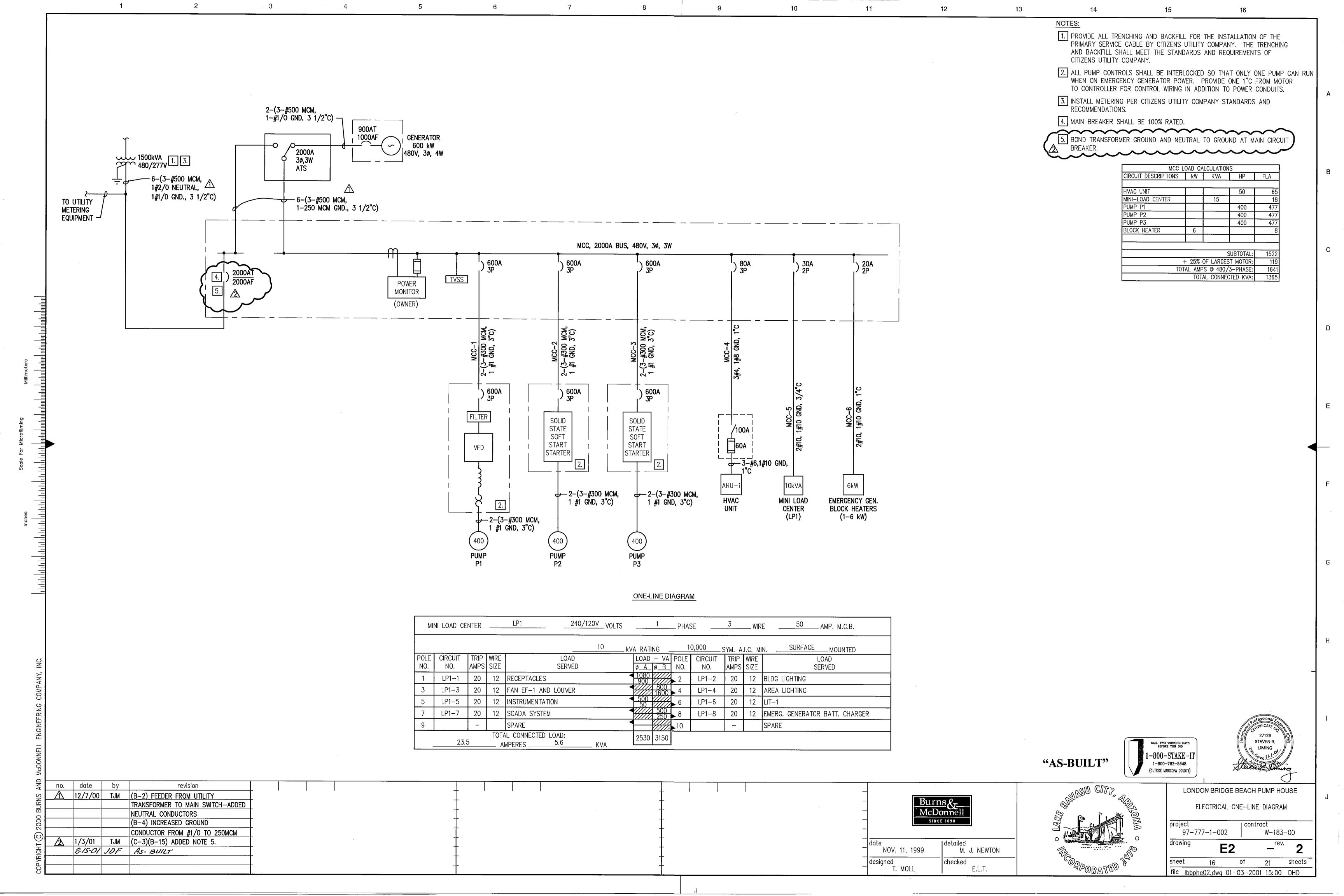
London Bridge Beach Pump House PROJECT NO: W-183-00

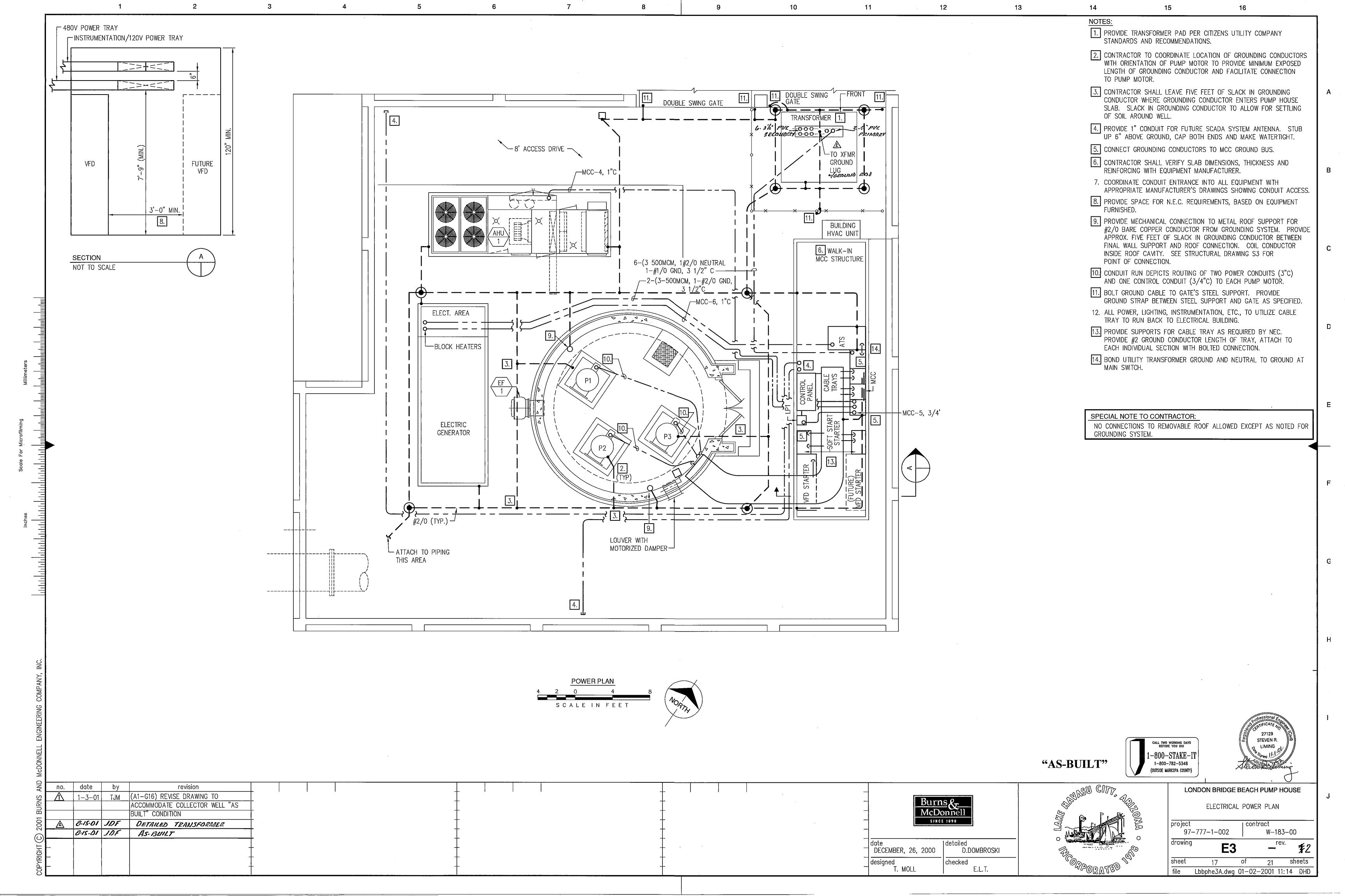


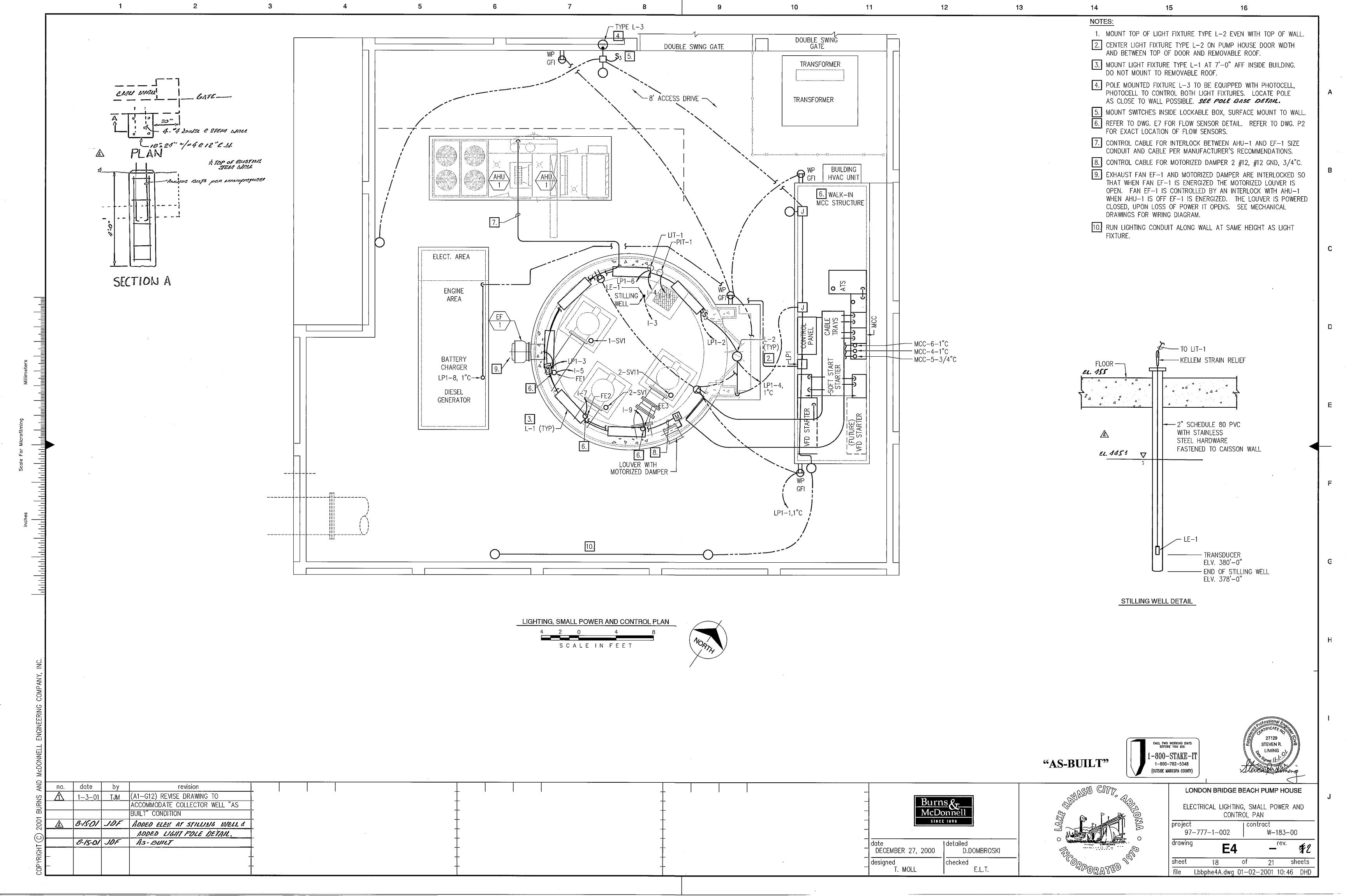


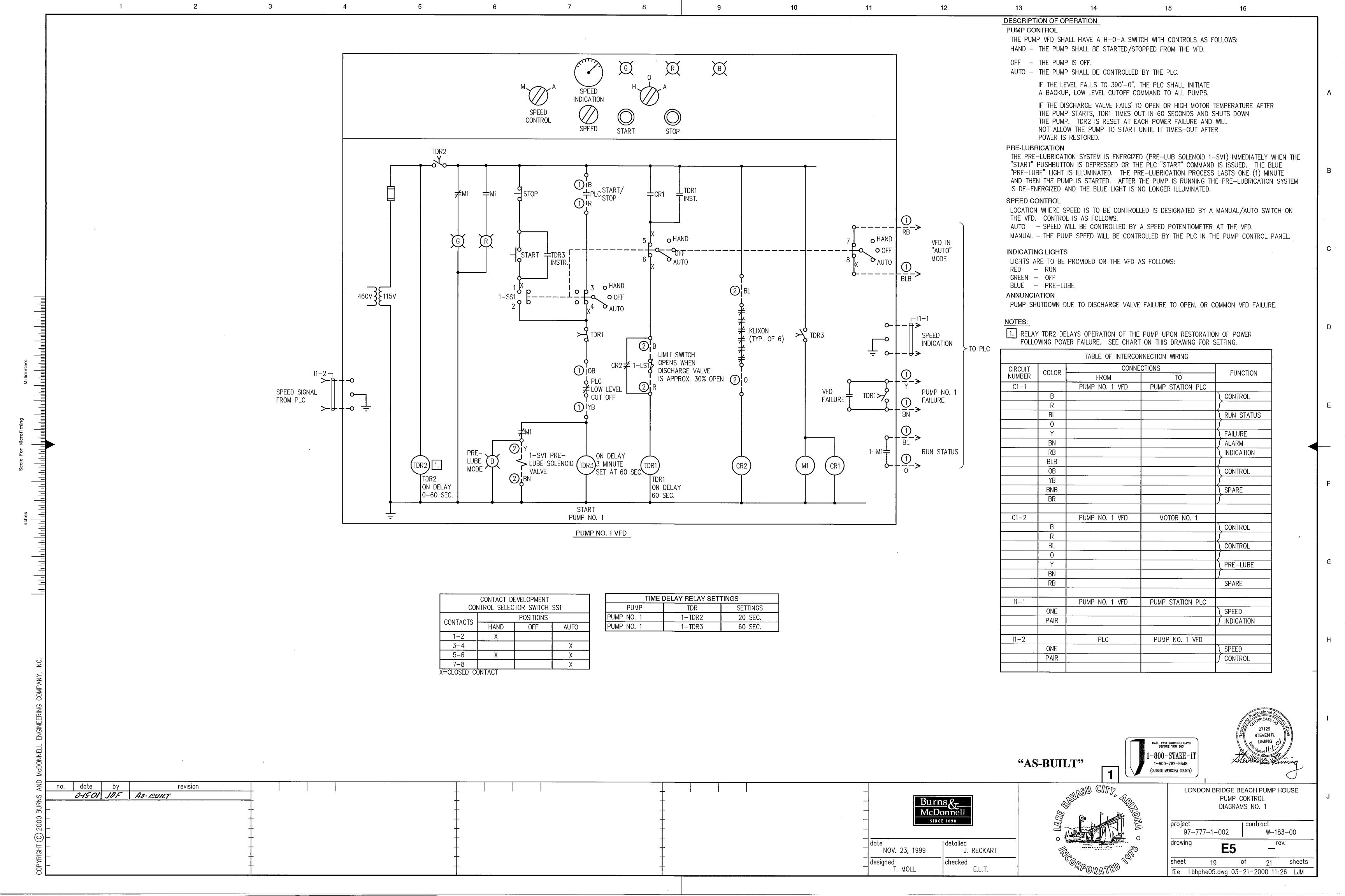


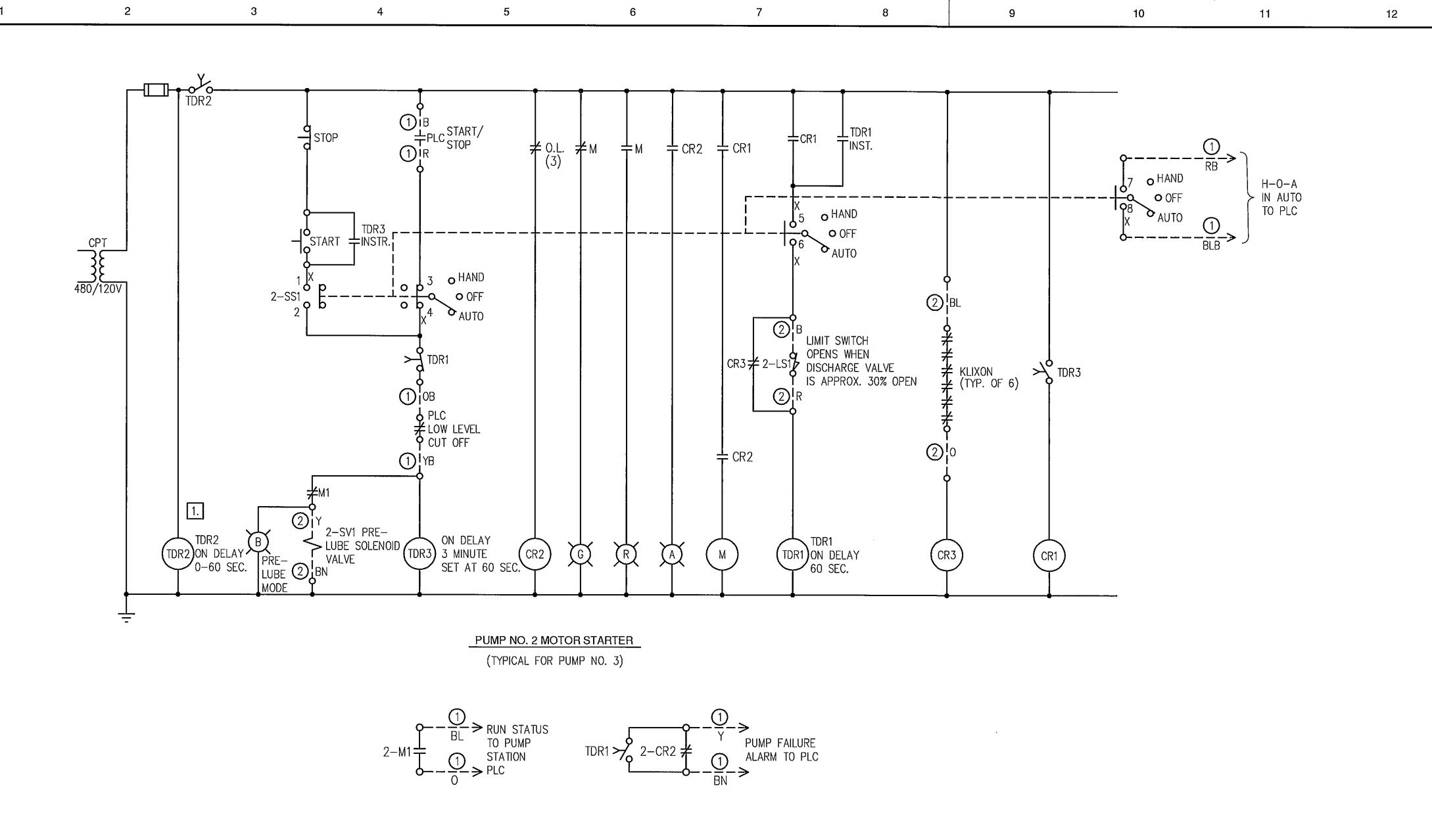












	T.A	ABLE OF CO	DRRESPON	IDING DEV	ICES AND	CIRCUITS				
	DEVICES						CIRCUITS			
PUMP NO. 2	2-TDR1	2-TDR2	2-CR1	2-CR2	2-CR3	2-SS1	2-LS1	2-SV1	C2-1	C2-2
PUMP NO. 3	2-TDR11	2-TDR12	2-CR11	2-CR12	2-CR13	2-SS11	2-LS11	2-SV11	C2-11	C2-12

TIME DELAY RELAY SETTINGS					
PUMP TDR SETTINGS					
PUMP NO. 2	2-TDR2	30 SEC.			
PUMP NO. 2	2-TDR3	60 SEC.			
PUMP NO. 3	2-TDR12	40 SEC.			
PUMP NO. 3	2-TDR13	60 SEC.			

CONTACT DEVELOPMENT CONTROL SELECTOR SWITCH SS1 AND SS11							
CONTACTS	POSITIONS						
CONTACTS	HAND	OFF	AUTO				
1-2	Χ						
3-4			Χ				
5-6	Χ		Χ				
7-8			Χ				

DESCRIPTION OF OPERATION

PUMP CONTROL

13

THE PUMP STARTER SHALL HAVE A H-O-A SWITCH WITH CONTROLS AS FOLLOWS:

HAND - THE PUMP SHALL BE STARTED/STOPPED FROM THE STARTER.

OFF - THE PUMP IS OFF.

AUTO - THE PUMP SHALL BE CONTROLLED BY THE PLC.

IF THE LEVEL FALLS TO 390'-0", THE PLC SHALL INITIATE A BACKUP, LOW LEVEL CUTOFF COMMAND TO ALL PUMPS.

IF THE DISCHARGE VALVE FAILS TO OPEN OR HIGH MOTOR TEMPERATURE AFTER THE PUMP STARTS, TDR1 TIMES OUT IN 60 SECONDS AND SHUTS DOWN THE PUMP. TDR2 IS RESET AT EACH POWER FAILURE AND WILL

15

16

NOT ALLOW THE PUMP TO START UNTIL IT TIMES-OUT AFTER POWER IS RESTORED.

PRE-LUBRICATION

THE PRE-LUBRICATION SYSTEM IS ENERGIZED (PRE-LUBE SOLENOID 2-SV1) IMMEDIATELY WHEN THE "START" PUSHBUTTON IS DEPRESSED OR THE PLC "START" COMMAND IS ISSUED. THE BLUE "PRE-LUBE" LIGHT IS ILLUMINATED. THE PRE-LUBRICATION PROCESS LASTS ONE (1) MINUTE AND THEN THE PUMP IS STARTED. AFTER THE PUMP IS RUNNING THE PRE-LUBRICATION SYSTEM IS DE-ENERGIZED AND THE BLUE LIGHT IS NO LONGER ILLUMINATED.

INDICATING LIGHTS

LIGHTS ARE TO BE PROVIDED ON THE MOTOR STARTER AS FOLLOWS:

RED – RUN GREEN - OFF

BLUE – PRE-LUBE

AMBER - PUMP OVERLOAD ALARM

ANNUNCIATION

PUMP SHUTDOWN DUE TO DISCHARGE VALVE FAILURE TO OPEN, OR COMMON STARTER FAILURE.

NOTES:

1. RELAY TDR2 DELAYS OPERATION OF THE PUMP UPON RESTORATION OF POWER, FOLLOWING POWER FAILURE. SEE CHART ON THIS DRAWING FOR SETTINGS.

		TABLE OF INTERCO	NNECTION WIRING			
CIRCUIT						
NUMBER	L COLOR L	FROM	TO	FUNCTION		
C2-1		PUMP NO. 3	PUMP STATION			
		MOTOR STARTER	PLC			
	В			CONTROL		
	R			7		
	BL	•••				
	0			STATUS		
	Υ					
	BN			J		
	RB			MOTOR STARTER		
	BLB			IN "AUTO" MODE		
	OB			CONTROL		
	YB			<i></i>		
	BNB			SPARES		
	BR			/		
C2-2		PUMP NO. 3	PUMP MOTOR NO. 3			
		MOTOR STARTER				
	В			CONTROL		
	R		"			
	BL			CONTROL		
	0			S		
	Υ			PRE-LUBE		
	BN					
	RB			SPARE		

"AS-BUILT"





]	
date	detailed
NOV. 23, 1999	J. RECKART
designed	checked



LONDON BRIDGE BEACH PUMP HOU
PUMP CONTROL
DIAGRAMS NO. 2

project		con	ı contract			
97–7		W-183-00				
drawing	E6		re	ev.		
sheet	20	of	21	sheets		

8-15-01 JDF /15- BUILT

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