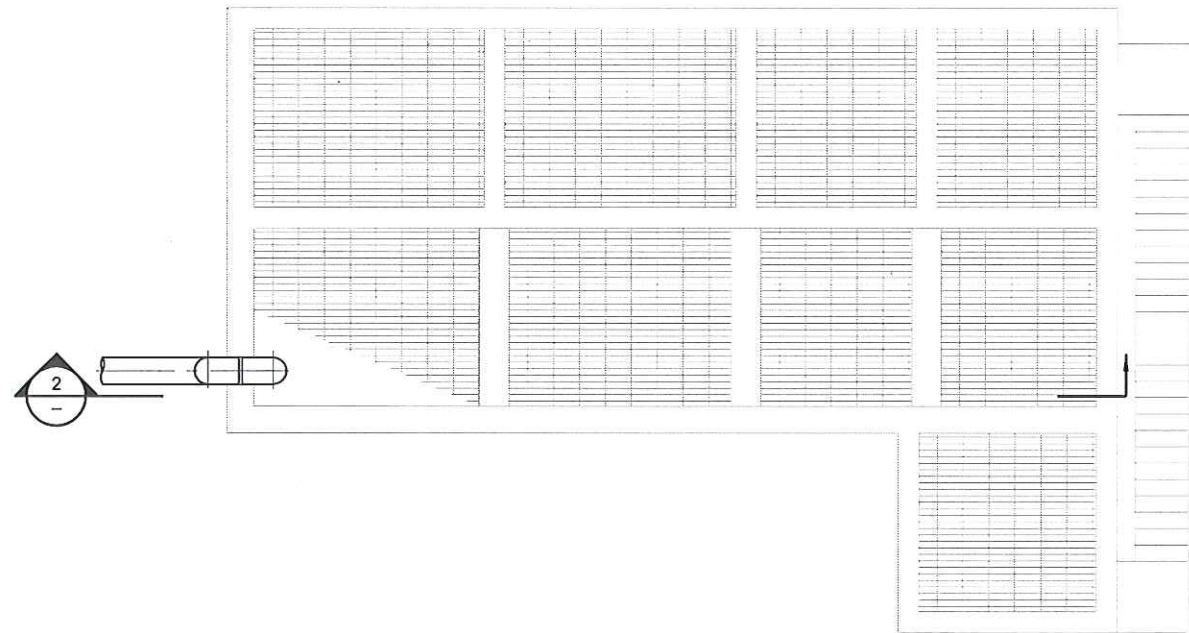
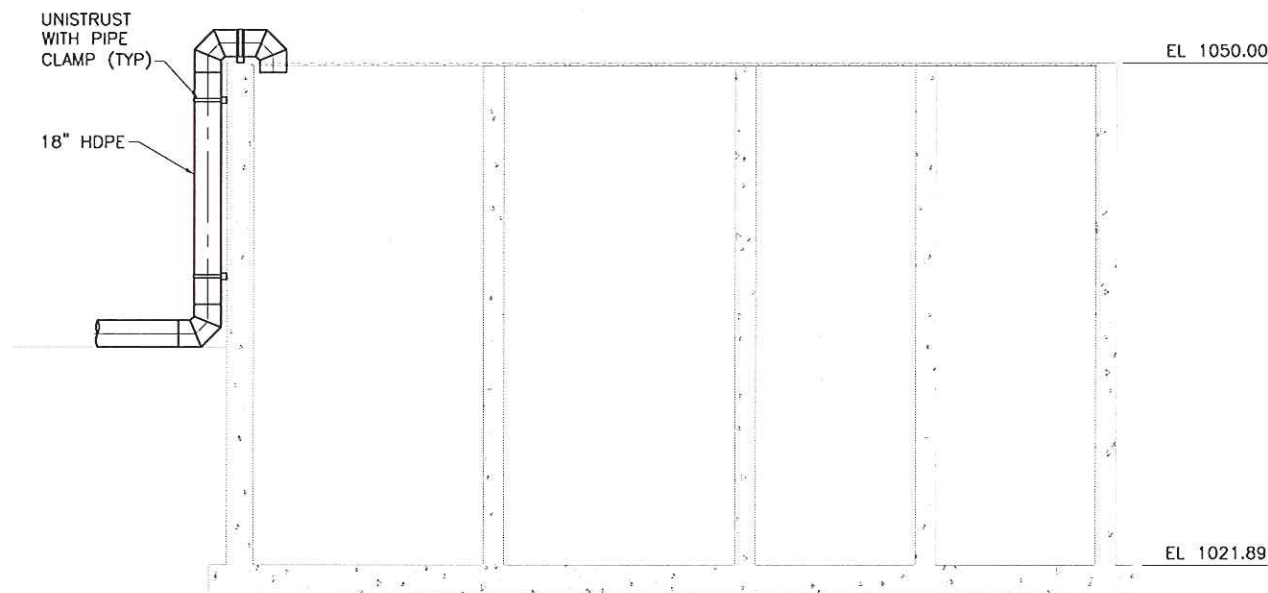




1 PLAN - FLOW SPLITTER
3/16"=1'-0"



2 SECTION - FLOW SPLITTER
3/16"=1'-0"

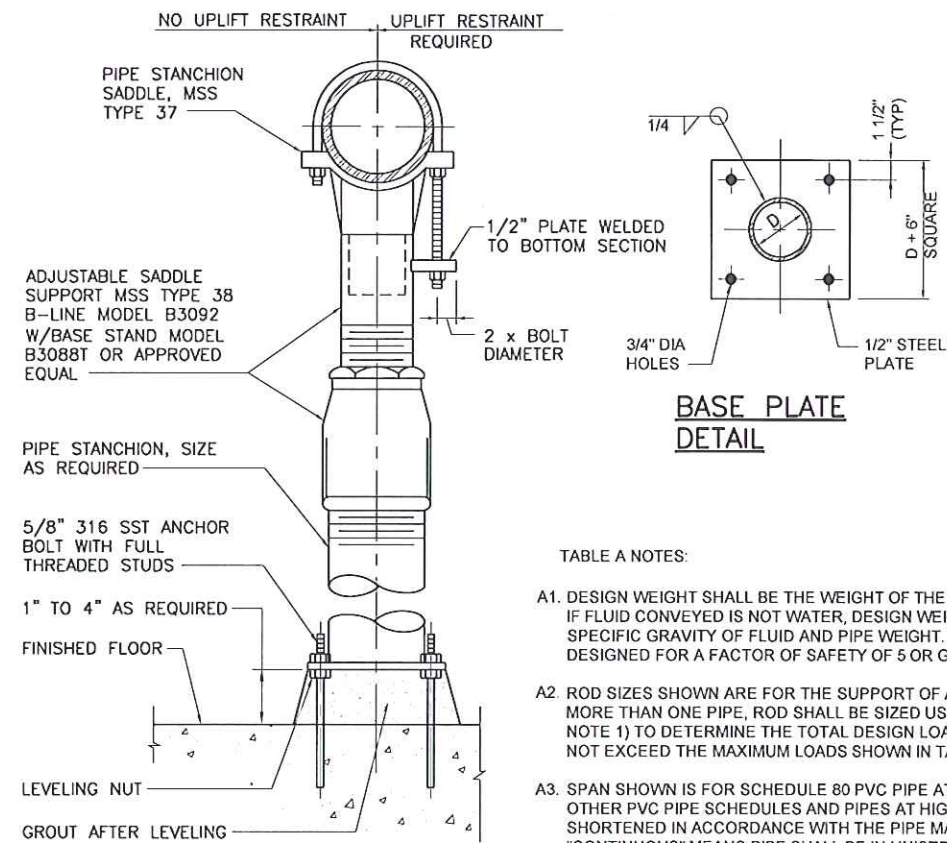
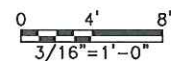


TABLE A NOTES:

- A1. DESIGN WEIGHT SHALL BE THE WEIGHT OF THE PIPE FULL OF WATER. IF FLUID CONVEYED IS NOT WATER, DESIGN WEIGHT SHALL BE DETERMINED BY SPECIFIC GRAVITY OF FLUID AND PIPE WEIGHT. HANGER SYSTEMS SHALL BE DESIGNED FOR A FACTOR OF SAFETY OF 5 OR GREATER.
- A2. ROD SIZES SHOWN ARE FOR THE SUPPORT OF A SINGLE PIPE. WHEN SUPPORTING MORE THAN ONE PIPE, ROD SHALL BE SIZED USING THE DESIGNED WEIGHTS (SEE NOTE 1) TO DETERMINE THE TOTAL DESIGN LOAD. THE TOTAL DESIGN LOAD SHALL NOT EXCEED THE MAXIMUM LOADS SHOWN IN TABLE A.
- A3. SPAN SHOWN IS FOR SCHEDULE 80 PVC PIPE AT 100°F. SPANS FOR OTHER PLASTICS, OTHER PVC PIPE SCHEDULES AND PIPES AT HIGHER TEMPERATURES SHALL BE SHORTENED IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS. "CONTINUOUS" MEANS PIPE SHALL BE IN UNISTRUT POWER-STRUT OR SIMILAR CHANNEL.
- A4. FOR PIPES SUBJECT TO LONGITUDINAL MOVEMENT, OR HAVING SERVICE TEMPERATURES IN RANGES OF 33°F TO 59°F OR 120°F TO 450°F, SEE TYPICAL SUPPORT ROD FOR PIPES SUBJECT TO HORIZONTAL MOVEMENT, THIS DRAWING.
- A5. PROVIDE A MINIMUM OF ONE PIPE HANGER PER PIPE LENGTH, WITHIN 4-INCHES OF THE BELL.

TABLE A - PIPE SPAN AND SUPPORT ROD SIZE						
NOMINAL PIPE SIZE (INCHES)	SUPPORT ROD SIZE AND MAXIMUM LOAD PER ROD SEE NOTES A1-A5				MAXIMUM PIPE SPAN (FEET)	
	ONE ROD SUPPORT SYSTEM		TWO ROD SUPPORT SYSTEM		PLASTIC SEE NOTE A3	DUCTILE IRON SEE NOTE A5
	ROD SIZE (INCHES)	MAX LOAD (POUNDS)	ROD SIZE (INCHES)	MAX LOAD (POUNDS)		
8	7/8"	3770	5/8"	1810		
10	1"	4960	3/4"	2710	5	
12	1 1/4"	8000	7/8"	3770	10	
14	1 1/4"	8000	1"	4960		
16	1 1/4"	8000	1"	4960		
18	1 1/4"	8000	1"	4960		
						12 FEET FOR PRESSURE PIPE
						10 FEET FOR SOIL PIPE

340 4" THROUGH 30" PIPE
PIPE SUPPORT DETAIL
TYPE F NOT TO SCALE



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Texas Registered Engineering Firm F-2144

3/5/15

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CITY OF WICHITA FALLS, TEXAS

SUPPLEMENTAL PERMEATE PUMP STATION

MECHANICAL
PUMP STATION
SECTION AND DETAILS

NO.	ISSUE	DATE	BY	DATE	WCH14515	DESIGNED	DWS	MAJ	REVIEWED	CHECKED	FILE NAME
					02/12/15						WW-PST-PL-SITE.dwg

VERIFY SCALE
Bar is one inch on original
drawing, if not one inch on
this sheet, adjust scale.

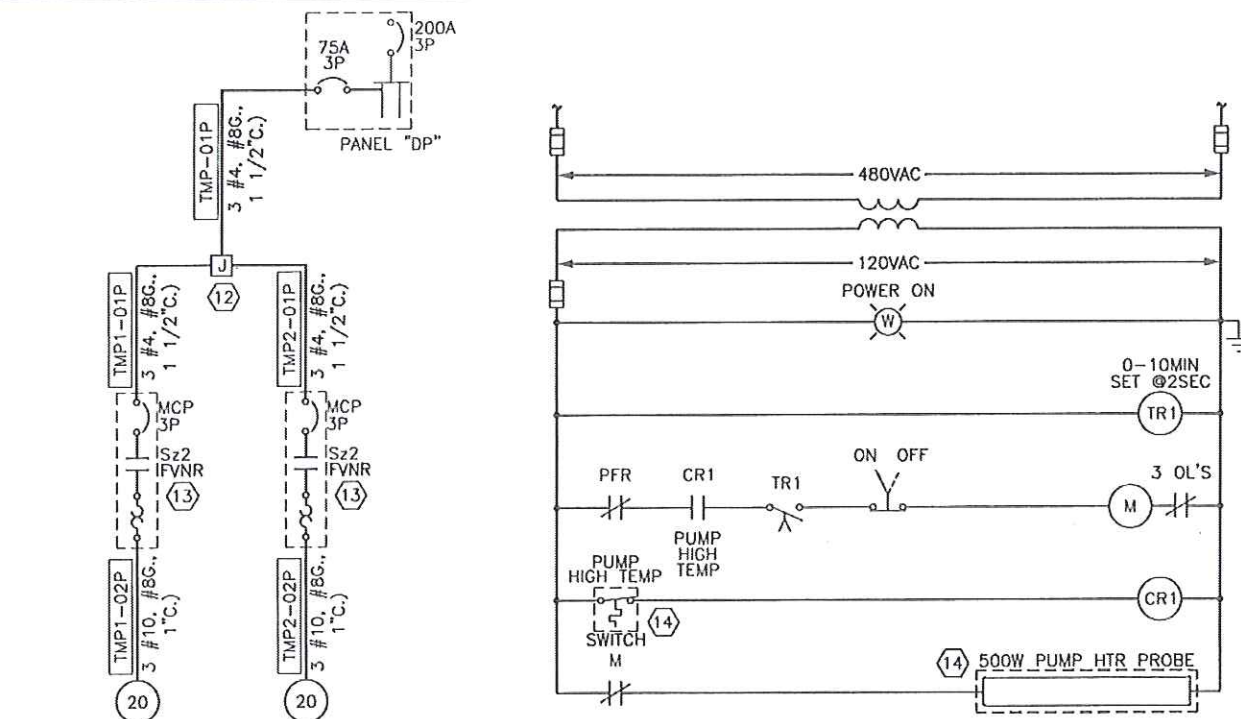
0 1 2 3 4 5 6 7 8

SHEET

PS-2

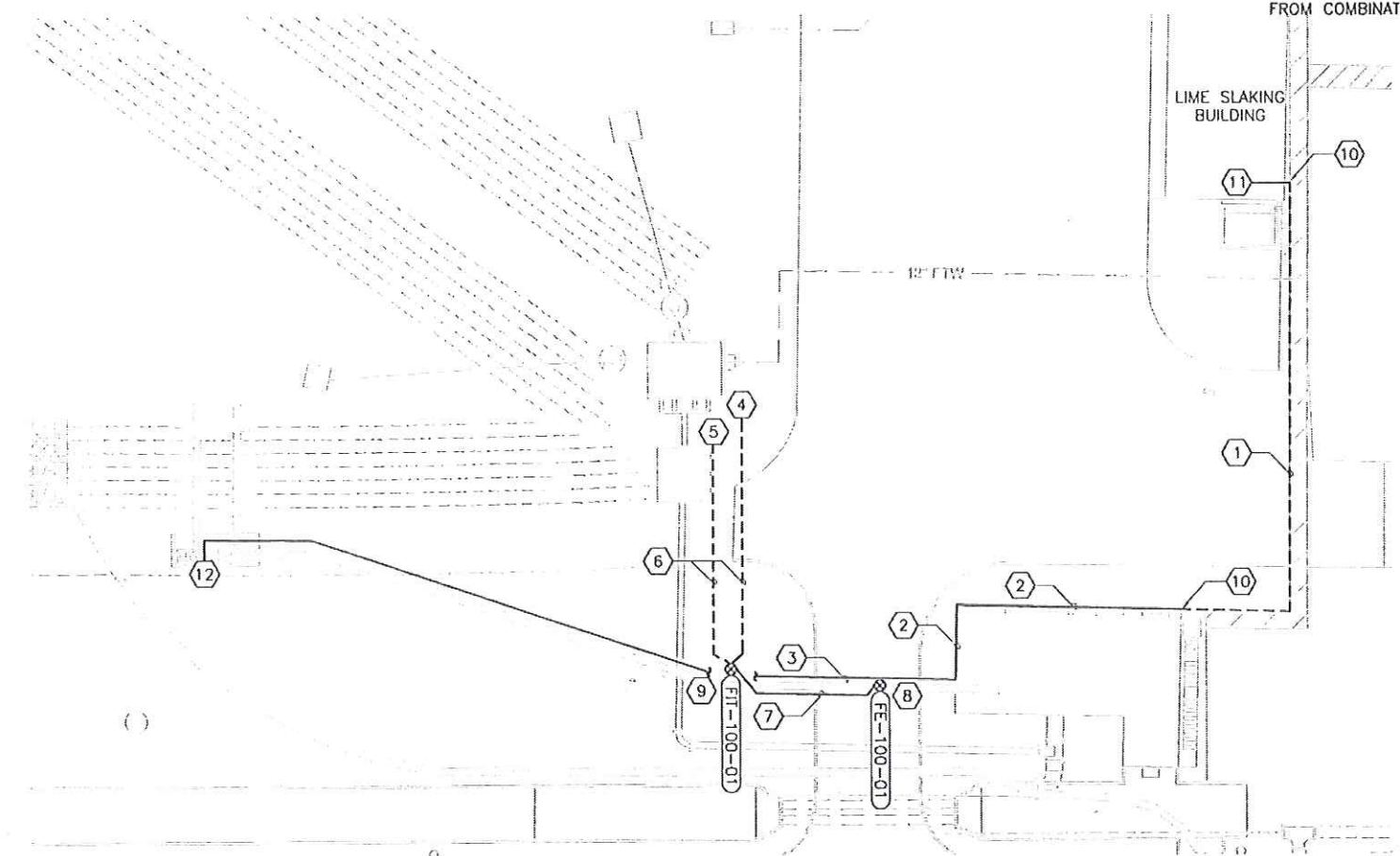
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2



2 ONE-LINE DIAGRAM
NOT TO SCALE

3 PUMP CONTROL SCHEMATIC
NOT TO SCALE



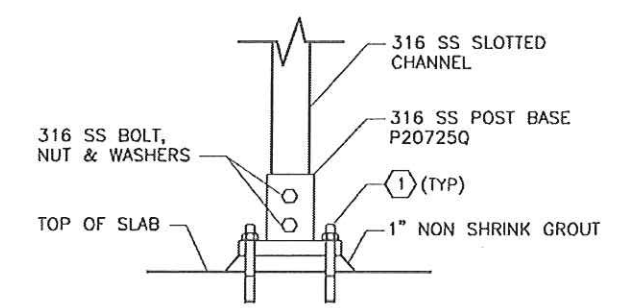
1 ELECTRICAL SITE PLAN
1\"/>

NOTES BY SYMBOL "⬡"

- ROUTE CONDUIT IN CHEMICAL PIPE CHASE. CONDUCTORS SHALL BE PULLED IN SCHEDULE 80 PVC CONDUIT, AND THE CONDUIT SHALL BE SECURED TO CHANNEL STRUT.
- ROUTE CONDUIT ALONG THE OUTSIDE OF THE BUILDING. CONDUIT SHALL BE ROUTED IN SCHEDULE 80 PVC CONDUIT AND SECURED TO THE WALL EVERY 4'.
- ROUTE CONDUIT ON THE GROUND ALONG THE TEMPORARY PIPING. CONDUIT SHALL BE SCHEDULE 80 PVC. PROVIDE WOOD CONDUIT SUPPORT WHERE CONDUIT IS ELEVATED BECAUSE OF THE STREET CURB.
- PROVIDE 2 #12, #12G., 3/4\"/>

GENERAL NOTES:

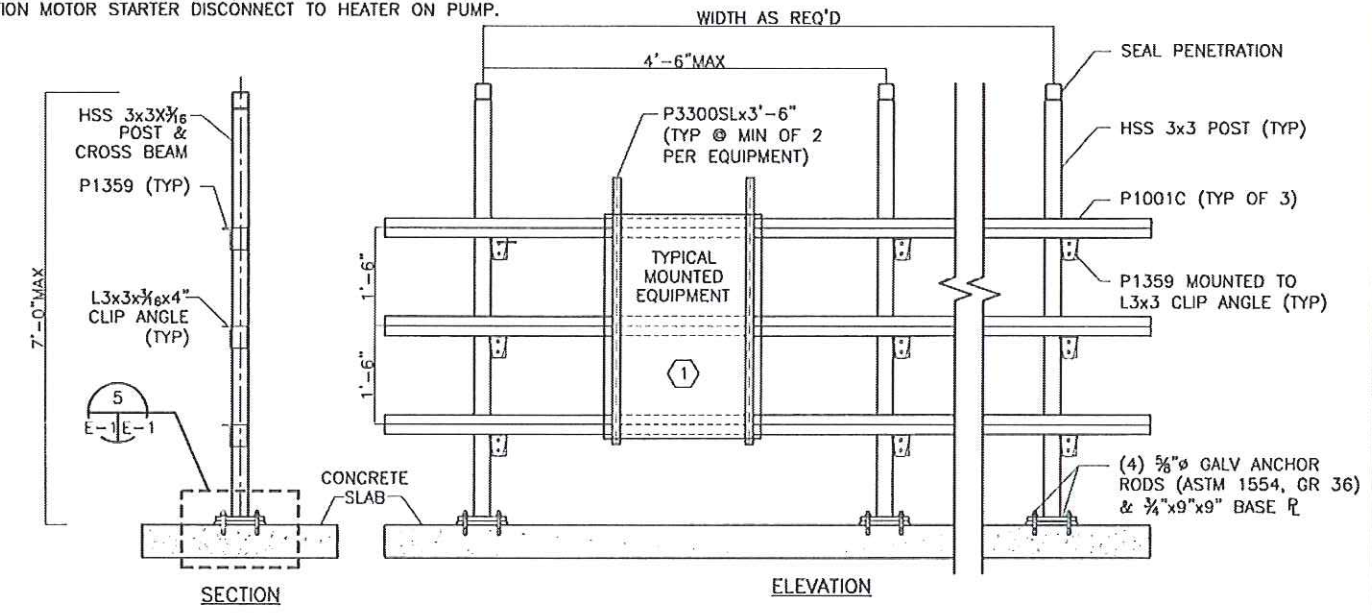
- CONDUCTORS SHALL BE XHHW AND CONDUIT SHALL BE PVC SCH. 80.
- WORK SHALL BE DONE IN ACCORDANCE OF 2014 NEC.
- FLOW METER (FIT-100-01) SHALL BE FLEXIM FLUXUS 704 SINGLE CHANNEL WITH VARIOFIX MOUNTING HARDWARE, TRANSDUCERS, AND JUNCTION BOX.



NO.5 NOTES BY SYMBOL "⬡"

- 3/4\"/>

5 FREE STANDING SUPPORT DETAIL
NOT TO SCALE



NO.4 GENERAL NOTES:

- ALL MEMBERS SHOWN AND REQUIRED CONNECTING HARDWARE SHALL BE 304 STAINLESS STEEL.
- MEMBERS ARE INDICATED BY UNISTRUT PART NUMBERS. PROVIDE ALL MEMBERS AND CONNECTING HARDWARE BY UNISTRUT OR APPROVED EQUAL.
- SLOPE SLAB-ON-GRADE TO DRAIN.
- RACKS SHALL BE GROUNDED PER THE NATIONAL ELECTRICAL CODE. PROVIDE AS A MINIMUM ONE 3/4\"/>

NO.4 NOTES BY SYMBOL "⬡"

- MOUNT EQUIPMENT AS REQUIRED PER SITE.

4 ELECTRICAL EQUIPMENT RACK DETAIL
NOT TO SCALE

0 20' 40'
SCALE IN FEET

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FREEZE & NICHOLS
ELECTRICAL

CITY OF WICHITA FALLS, TEXAS
SUPPLEMENTAL PERMEATE PUMP STATION
ELECTRICAL
ELECTRICAL SITE PLAN

NO.	DATE	BY	DATE	BY	FILE NAME
1	02/12/15	JWM	02/12/15	JWM	EL-ALL-PL-PS.dwg
2					
3					
4					
5					

Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

VERIFY SCALE

SHEET

E-1

SEQ.