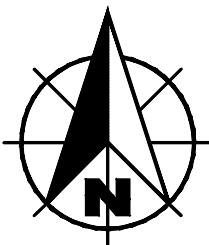


# GLICK WELLS 6 AND 7

## FOR THE

# CITY OF LAFAYETTE

# LAFAYETTE, IN

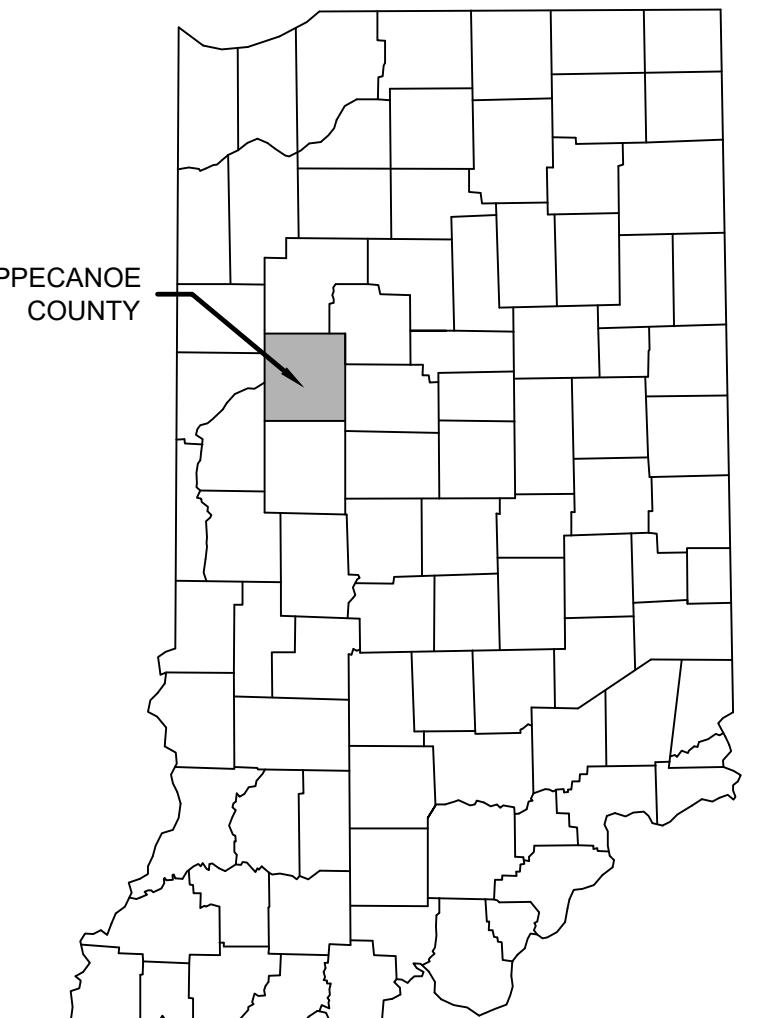


PROJECT LOCATION

LAFAYETTE, INDIANA  
VICINITY MAP

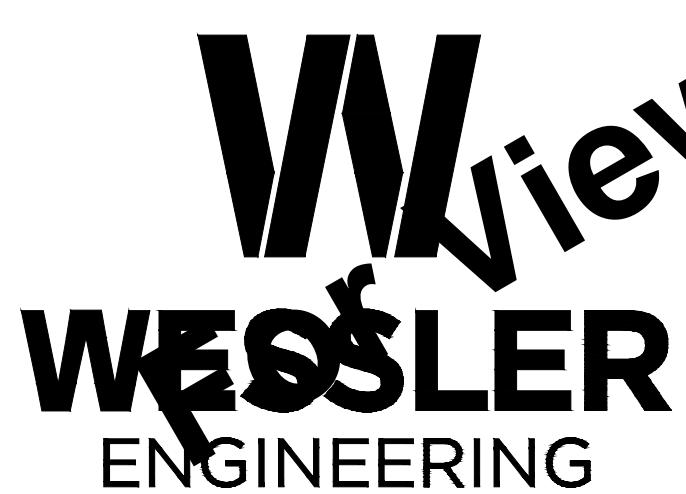
SCALE: NONE

Drawing X:\Lafayette273224\Lafayette Canal and Glick Wells\DWGSheets\273224-GS.dwg | Layout: 1G1 | Plotted: 01/28/26 @ 02:21:51 | Last Saved: jasonw



STATE LOCATION MAP

SCALE: NONE



More than a Project™

INDIANAPOLIS  
6219 South East Street  
Indianapolis, Indiana 46227  
Phone: (317) 788-4551 - Fax: (317) 788-4553  
www.wesslerengineering.com

PROJECT NO. 273224-04-001



*Viewing Purposes Only - Visit [www.wesslerengineering.com](http://www.wesslerengineering.com) to Purchase*

DRAWINGS PREPARED FOR:

BOARD OF PUBLIC WORKS AND SAFETY

HONORABLE TONY ROSWARSKI, MAYOR

GARY HENRIOTT, PRESIDENT

CINDY MURRAY, MEMBER

ERIC RODY, MEMBER

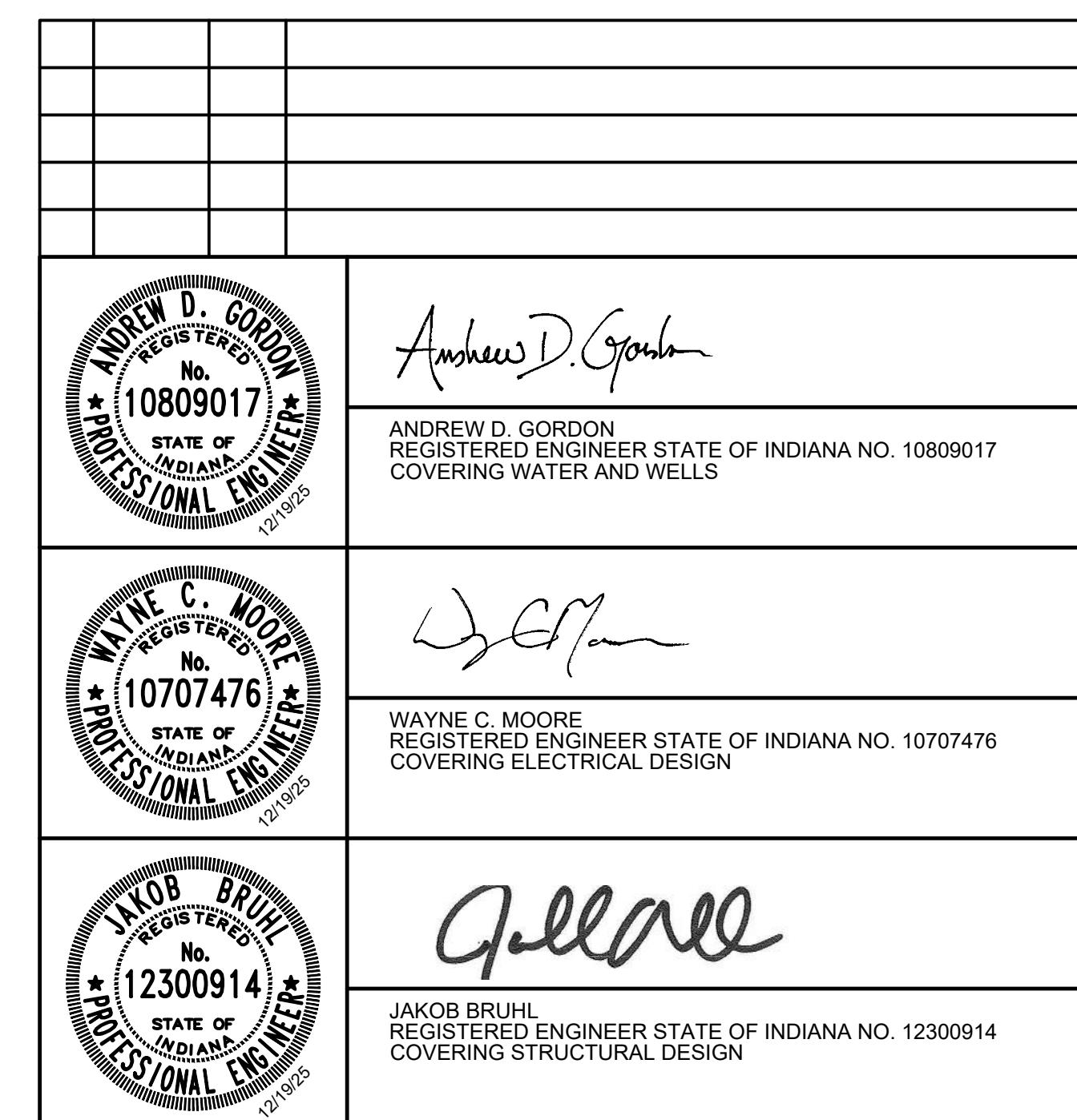
RON SHRINER, MEMBER

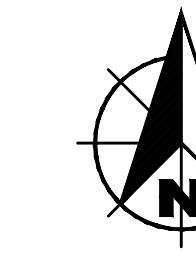
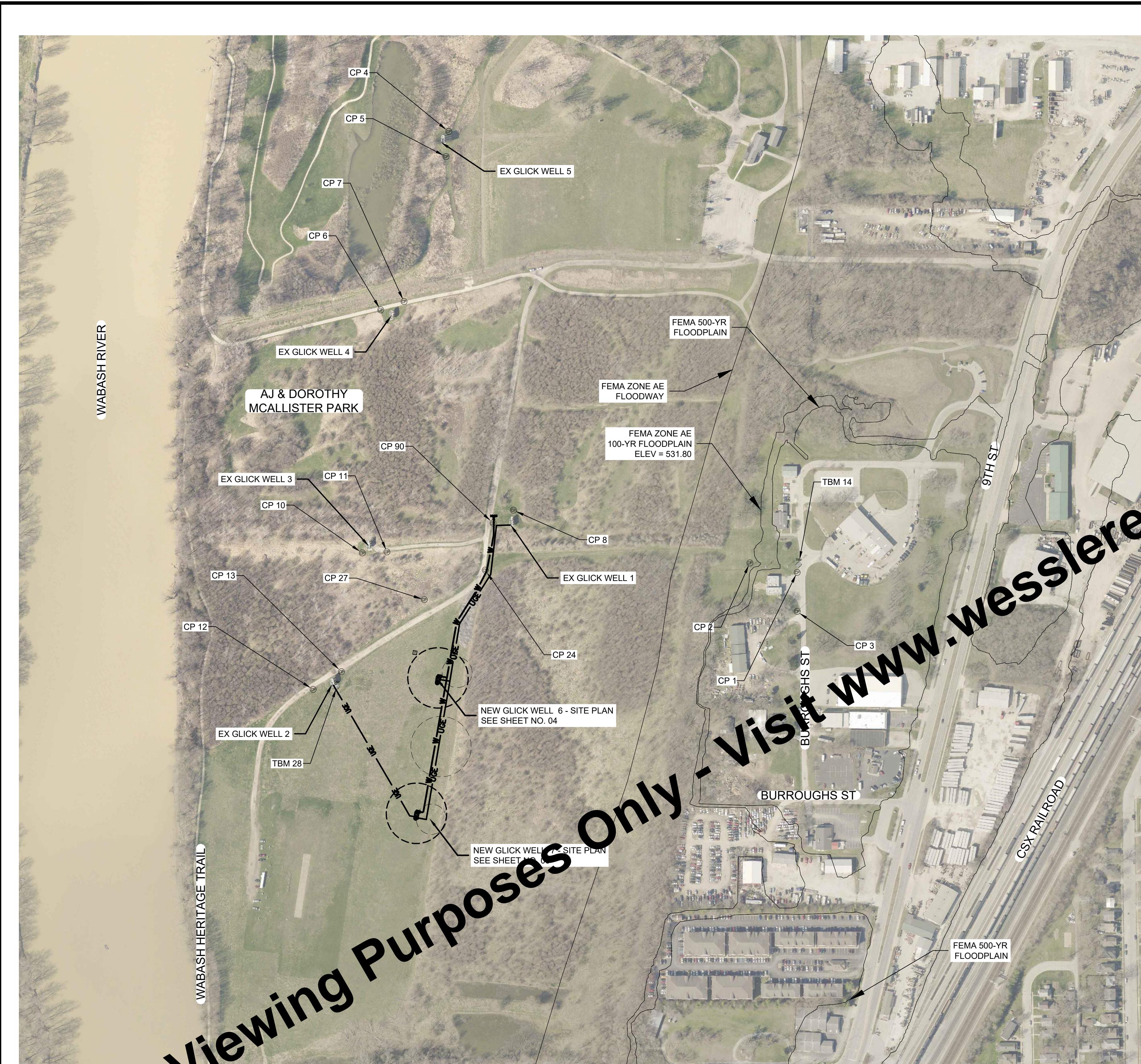
AMY MOULTON, MEMBER

JEREMY GRENARD, CITY ENGINEER

STEVE MOORE, WATER SUPERINTENDENT

**FEBRUARY 2026**





### HORIZONTAL AND VERTICAL CONTROL INFORMATION

#### NOTES:

1. A FIELD SURVEY WAS PERFORMED IN FEBRUARY 2024 AND JULY 2025.
2. COORDINATES (INDIANA STATE PLANE, WEST ZONE, NAD 83) AND ELEVATIONS (NAVD 88) ARE BASED ON INCOR.
3. UNITS ARE U.S. SURVEY FEET.
4. CONTROL POINTS WERE SET USING GPS.
5. A LEVEL LOOP WAS PERFORMED ON THE CONTROL POINTS AND TBMS.

#### BENCHMARK DESCRIPTION:

1. TBM NO. 14 - RAILROAD SPIKE SET APPROXIMATELY 1' WEST OF 9TH ST AND 765' NORTH OF BURROUGHS STREET.  
EL 542.40
2. TBM NO. 28 - CUT SQUARE IN CONCRETE SOUTH EAST CORNER APPROXIMATELY 460' EAST OF WABASH HERITAGE TRAIL AND 357' NORTH OF BURROUGHS STREET.  
EL 519.55

DRAWING INDEX	
SHEET NO.	DESCRIPTION
GENERAL	
01	TITLE SHEET
02	LOCATION AND INDEX
03	SYMBOLS, ABBREVIATIONS AND GENERAL NOTES
PLAN AND SECTION SHEETS	
04	NEW GLICK WELL 6 - SITE PLAN
05	NEW GLICK WELL 7 - SITE PLAN
06	NEW GLICK WELLS 6 AND 7 - SITE PLAN
07	NEW GLICK WELL - TYPICAL PLAN AND SECTIONS
08	NEW GLICK WELL - PLATFORM FRAMING PLAN, SECTION AND DETAILS
09	NEW GLICK WELL 6 - SECTION AND DETAILS
10	NEW GLICK WELL 7 - SECTION AND DETAILS
DETAILS	
11	MISCELLANEOUS DETAILS
12 - 13	EROSION CONTROL DETAILS
14	STANDARD STRUCTURAL DETAILS
ELECTRICAL AND P&ID	
15	ELECTRICAL LEGEND
16	POWER ONE-LINE DIAGRAM
17 - 18	ELECTRICAL DETAILS
19	P&ID LEGEND
20	P&ID
21	CONTROL ONE-LINE DIAGRAM
22	NETWORK DIAGRAM

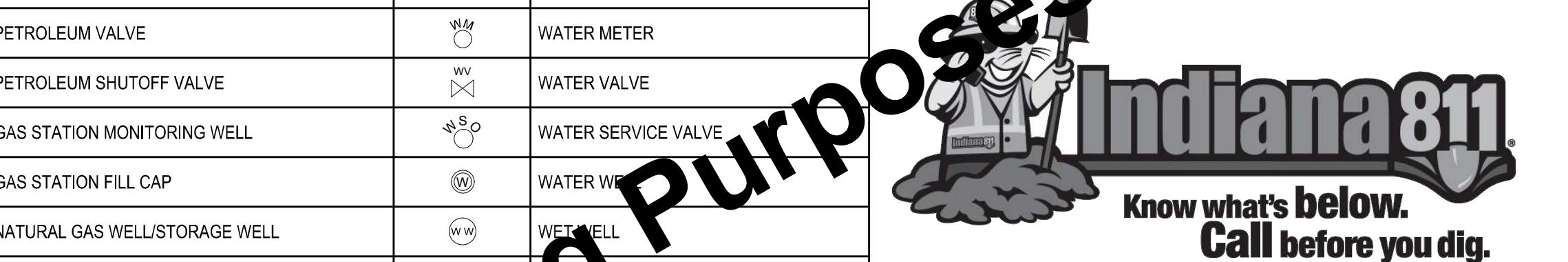
CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 1	1890672.86	3007285.58	541.21	MAGNAIL
CP 2	1890704.31	3007129.08	530.20	5/8" REBAR
CP 3	1890543.73	3007285.38	544.09	5/8" REBAR
CP 4	1892131.02	3006133.22	519.22	5/8" REBAR
CP 5	1892048.25	3006124.01	519.80	5/8" REBAR
CP 6	1891541.37	3005908.09	521.08	MAGNAIL
CP 7	1891568.62	3005984.90	520.35	MAGNAIL
CP 8	1890878.51	3006347.11	518.80	5/8" REBAR
CP 10	1890737.03	3005846.96	519.61	5/8" REBAR
CP 11	1890740.65	3005928.72	519.51	5/8" REBAR
CP 12	1890285.79	3005684.82	519.87	5/8" REBAR
CP 13	1890344.17	3005778.10	518.37	5/8" REBAR
CP 24	1890680.24	3006254.28	520.67	5/8" REBAR
CP 27	1890582.66	3006051.86	517.91	5/8" REBAR
CP 90	1890836.01	3006279.32	519.45	5/8" REBAR

<b>SCALE VERIFICATION</b> <hr/> BAR IS ONE INCH LONG ON ORIGINAL DRAWING <hr/> DRAWN BY JRW # DATE INITIALS CHECKED BY AMS APPROVED BY ADG <hr/> ISSUE DATE FEBRUARY 2026 PROJECT NUMBER 273224-04-001	0 100 200 500 FT 1=200' <hr/> REVISION DESCRIPTIONS <hr/> <hr/> Andrew D. Gordon <b>WESSLER</b> ENGINEERING More than a Project™	<b>GLICK WELLS 6 AND 7</b> CITY OF LAFAYETTE LAFAYETTE, IN <hr/> <b>LOCATION AND INDEX</b>		<b>LOCATION AND INDEX</b> <b>SHEET #</b> <b>02</b> <hr/> <b>TOTAL SHEETS</b> <b>22</b>

### EXISTING FEATURES LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
BM	BENCH MARK	(S)	CISTERN		EASEMENT - CONSTRUCTION/PERMANENT
TM	TEMPORARY BENCH MARK	EM	ELECTRIC METER		LOT BOUNDARY
SB01	SOIL BORING LOCATION	AC	AIR CONDITIONING UNIT	P	PROPERTY BOUNDARY
SC	SECTION CORNER	UR	UTILITY RISER (DEFINED BY UTILITY)	ROW	RIGHT-OF-WAY - TEMPORARY/PERMANENT
DR	DRILL HOLE IN CONCRETE/HARRISON MONUMENT	UP	UTILITY PEDESTAL (DEFINED BY UTILITY)		SECTION BOUNDARY
CP	CONTROL POINT (SET/FOUND)	UM	UTILITY MARKER (DEFINED BY UTILITY)		WETLANDS
MG	MAGNETIC NAIL (SET/FOUND)	JPT	JOINT POWER/TELEPHONE POLE	849	CONTOUR - INTERMEDIATE ELEVATION
BS	BOAT SPIKE (SET/FOUND)	LP	LIGHT POLE	850	CONTOUR - INDEX ELEVATION
PK	PK NAIL (SET/FOUND)	OPP	LIGHT ON POWER POLE	OHE	OVERHEAD ELECTRIC
RS	RAILROAD SPIKE (SET/FOUND)	OJP	LIGHT ON JOINT POLE	OHC	OVERHEAD CABLE TV
RW	R/W MARKER - CONCRETE/GRANITE/STONE	PP	POWER POLE	OHT	OVERHEAD TELEPHONE
IP	IRON PIPE/IRON PIN/REBAR (WITH DIAMETER)	TP	TELEPHONE POLE	UGC	UNDERGROUND CABLE TV
BP	BRASS PLUG	LAM	LAMP POST	UGE	UNDERGROUND ELECTRIC
CA	CABLE TV MANHOLE	GA	GUY ANCHOR	UGF	UNDERGROUND FIBER OPTIC
EE	ELECTRIC MANHOLE	GP	GUY POLE OR STUB	G	GAS MAIN
GA	GAS MANHOLE	CC	CONTROLLER CABINET	DG	DIGESTER GAS
OO	OTHER MANHOLE	FP	FLAG POLE	P	PETROLEUM MAIN
TE	TELEPHONE MANHOLE	PO	POST	UGT	UNDERGROUND TELEPHONE
TEL	TELEPHONE VAULT	GL	GROUND LIGHT	W	WATER MAIN
TM	TRAFFIC MANHOLE	MB	MAILBOX	W	WATER SERVICE
TH	TRAFFIC HANDHOLE	DM	DOUBLE/MULTIPLE MAILBOX	FM	FORCEMAIN
W	WATER MANHOLE	MAP	MAST ARM POLE		GRAVITY SEWER PIPE
A	AIR RELEASE VALVE	TS	TRAFFIC SIGNAL STRAIN POLE		PLANT CHLORINE PIPE
SS	SANITARY SEWER MANHOLE	SLD	SIGNAL LOOP DETECTOR BOX		TOP OF BANK/TOE OF SLOPE
DS	DRAINAGE/STORM SEWER MANHOLE	SLD	SIGNAL LOOP DETECTOR LOOP		CENTERLINE OF DITCH/SWALE/STREAM
SO	SANITARY SEWER CLEANOUT	SP	SIGN - SINGLE POST	xx-xx-xx-xx-xx-xx	FENCE - FIELD
ST	SEPTIC TANK	DP	SIGN - DOUBLE POST	oo-oo-oo-oo-oo-oo	FENCE - METAL
VV	VALVE VAULT	RSS	SIGN - RAILROAD SIGNAL	oo-oo-oo-oo-oo-oo	FENCE - WOOD
BI	BEEHIVE INLET	RSC	SIGN - RAILROAD CROSSING	oo-oo-oo-oo-oo-oo	GUARDRAIL
CI	CURB INLET	B	BUSH		STREAM
DI	DROP INLET	ST	STUMP	~~~~~	TREE/BRUSH LINE
CB	CATCH BASIN	TC	TREE - CONIFEROUS		
DS	DOWNSPOUT	TD	TREE - DECIDUOUS		
GM	GAS METER	RO	ROCK OUTCROP		
GV	GAS VALVE	SA	SATELLITE		
GSO	GAS SERVICE VALVE	SPV	SPRINKLER CONTROL VALVE		
PV	PETROLEUM VALVE	WM	WATER METER		
PSV	PETROLEUM SHUTOFF VALVE	WV	WATER VALVE		
GSW	GAS STATION MONITORING WELL	WSV	WATER SERVICE VALVE		
GFC	GAS STATION FILL CAP	WW	WATER WELL		
NGW	NATURAL GAS WELL/STORAGE WELL	WP	WET WELL		
SP	SPRINKLER HEAD	FP	FEED PUMP		
YH	YARD HYDRANT	PP	PROCESS VALVE		

\*NOTE: THIS TABLE IS A LISTING OF TYPICAL EXISTING SYMBOLS AND MAY NOT INCLUDE ALL EXISTING SYMBOLS FOUND WITHIN THIS PLAN SET. ALL DISTURBED ITEMS WILL BE CALLED OUT ON THEIR PLAN SHEETS. IF A QUESTION ARISES IN THE MEANING OF ANY SYMBOL NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION. THE SYMBOLS ARE NOT TO SCALE.



### TABLE OF ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	IPS	IRON PIPE SIZE
ALUM	ALUMINUM	ISPC	INDIANA STATE PLANE COORDINATE
APP	APPARENT	LB	POUND(S)
APPROX	APPROXIMATE(LY)	LF	LINEAR FEET
ASPH	ASPHALT	LN	LANE
ASSOC	ASSOCIATES	LS	LIFT STATION
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	MA EX	MATCH EXISTING
AVE	AVENUE	MJ	MECHANICAL JOINT
AVG	AVERAGE	MATL	MATERIAL
BLDG	BUILDING	MAX	MAXIMUM
BLVD	BOULEVARD	MH	MANHOLE
BM	BENCHMARK	MIN	MINIMUM
CO	CLEANOUT	MISC	MISCELLANEOUS
CI	CAST IRON	MNFR	MANUFACTURER
CL	CENTER LINE	N	NORTHING, NORTH
CMA	COLD MIX ASPHALT	NGS	NATIONAL GEODETIC SURVEY
CMP	CORRUGATED METAL PIPE	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CONC	CONCRETE	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	PC	POINT OF CURVE (BEGIN CURVE)
CNR	CORNER	POLY	POLYETHYLENE
CP	CONTROL POINT	PI	POINT OF INTERSECTION
CPP	CORRUGATED PLASTIC PIPE	POT	POINT ON TANGENT
CR STN	CRUSHED STONE	PT	POINT OF TANGENT (END CURVE)
CYD	CUBIC YARD	PSI	POUNDS PER SQUARE INCH
D	DEPTH	PT	POINT
DI	DUCTILE IRON	PVC	POLYVINYL CHLORIDE
DI MJ	DUCTILE IRON MECHANICAL JOINT	R	RADIUS
DBL	DOUBLE	ROW	RIGHT-OF-WAY
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DIP	DUCTILE IRON PIPE	RD	ROAD
DIPS	DUCTILE IRON PIPE SIZE	RD	ROAD
DR	DRIVE	SR	STATE ROUTE
E	EASTING, EAST	SST	STAINLESS STEEL
EF	EACH FACE	SVA	SERVICE VALVE ASSEMBLY
EW	EACH WAY	SB	SOIL BORING
EA	EACH	SCHED	SCHEDULE
EJ	EAST JACKET IRON WORKS	SDR	STANDARD DIMENSION RATIO
EL	ELEVATION	SECT	SECTION
EX	EXISTING	SF	SQUARE FEET
EXP	EXPANSION	SHT	SHEET
FE	FINISH FLOOR ELEVATION	SPECS	SPECIFICATION(S)
FM	FORCE MAIN	SQ	SQUARE
FND	FOUND	SRF	STATE REVOLVING FUND
FT	FEET	ST	STREET
FTG	FOOTING	STA	STATION
GALV	GALVANIZED	SYD	SQUARE YARD
GPS	GLOBAL POSITIONING SYSTEM	TBM	TEMPORARY BENCHMARK
HMA	HOT MIX ASPHALT	TC	TOP OF CASTING
HDPE	HIGH DENSITY POLYETHYLENE	TYP	TYPICAL
HORIZ	HORIZONTAL	UNO	UNLESS NOTED OTHERWISE
ID	INSIDE DIAMETER	USGS	US GEOLOGICAL SURVEY
IE	INVERT ELEVATION	VERT	VERTICAL
INC	INCORPORATED	VLV	VALVE
INDOT	INDIANA DEPARTMENT OF TRANSPORTATION	W	WIDTH, WEST
INSTR	INSTRUMENT	WSE	WATER SURFACE ELEVATION
INV	INVERT	YR	YEAR

\*NOTE: THIS TABLE IS A LISTING OF TYPICAL ABBREVIATIONS AND MAY NOT INCLUDE ALL ABBREVIATIONS FOUND WITHIN THIS PLAN SET. IF A QUESTION ARISES ON THE MEANING OF AN ABBREVIATION NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION.

### UTILITY CONTACTS

#### NATURAL GAS

VECTREN CORPORATION  
ATTN: HOLLY COLUMBIA  
HCOLUMBA@VECTREN.COM  
2345 E MAIN ST  
DANVILLE, IN 46123  
1-317-718-3639

#### TELEPHONE

FRONTIER COMMUNICATIONS  
ATTN: JOE SARLL

#### CABLE TV

COMCAST CABLE COMMUNICATIONS  
ATTN: RHONDA DALTON  
RHONDA.DALTON@COMCAST.COM  
9750 E 150TH ST  
NOBLESVILLE, IN 46060  
1-224-229-5963

#### FIBER

ZAYO GROUP  
ATTN: WAYON HIGGINS

#### WATER

LAFAYETTE WATERWORKS DEPARTMENT  
ATTN: STEVE MOORE  
SMOORE@LAFAYETTE.IN.GOV  
1020 CANAL ROAD  
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1-765-807-1700

LAFAYETTE WATERWORKS DEPARTMENT  
ATTN: JAY SCHNEIBLY  
JSCHNEIBLY@LAFAYETTE.IN.GOV  
1020 CANAL ROAD  
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DUKE ENERGY  
ATTN: CINDY ROWLAND  
CINDY.ROWLAND@DUKE-ENERGY.COM  
100 S MILL CREEK RD  
NOBLESVILLE, IN 46062  
1-317-776-5341

TIPMONT REMC  
ATTN: JOE KLINE  
JKLINE@TIPMONT.ORG  
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PO BOX 20

#### SEWER

LAFAYETTE RENEW  
ATTN: BRAD TALLEY  
BTALLEY@LAFAYETTE.IN.GOV  
1700 WABASH AVENUE  
LAFAYETTE, IN 47901  
1-765-807-1800

LAFAYETTE RENEW  
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JCATRON@LAFAYETTE.IN.GOV  
1700 WABASH AVENUE  
LAFAYETTE, IN 47901

### GLICK WELLS 6 AND 7

CITY OF LAFAYETTE  
LAFAYETTE, IN

### SYMBOLS, ABBREVIATIONS AND GENERAL NOTES

#### GENERAL NOTES:

- NOTIFY THE ENGINEER IF ANY CONFLICTING INFORMATION BECOMES APPARENT IN THE CONTRACT DOCUMENTS AS SOON AS POSSIBLE AND PRIOR TO THE COMMENCEMENT OF ANY WORK IN THE VICINITY OF OR RELATIVE TO THE APPARENT CONFLICT SO THAT CLARIFICATION MAY OCCUR PRIOR TO CONSTRUCTION.
- ANY ALTERATIONS TO THESE DRAWINGS NOT AUTHORIZED BY WESSLER ENGINEERING AND NOT IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS AND RECORDS ON FILE AT WESSLER ENGINEERING SHALL RELIEVE WESSLER ENGINEERING OF ANY RESPONSIBILITY FOR THE ACCURACY OF THE DRAWINGS.
- USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO STATE, COUNTY, MUNICIPAL, AND PRIVATE PROPERTY. REPAIR ALL DAMAGES AS A RESULT OF OPERATIONS, INCLUDING DAMAGE TO DRAINAGE STRUCTURES, FIELD TILES, PUBLIC/PRIVATE ROADS, AND LANDSCAPING (INCLUDING FENCING). REPAIR AND REPLACE DAMAGED ITEMS AT NO ADDITIONAL COST TO THE OWNER. PERFORM ALL REPAIR AND REPLACEMENT WORK TO THE SATISFACTION OF THE PERMITTING AGENCY, THE OWNER AND THE ENGINEER.
- TAKE CARE TO AVOID DAMAGE TO PAVED AREAS WHICH ARE NOT SPECIFICALLY CALLED OUT FOR REPAIR OR REPLACEMENT, REPAIR, OR REPLACE ALL SUCH PAVEMENTS WHICH ARE DAMAGED BY CONSTRUCTION ACTIVITIES AND CONSTRUCTION TRAFFIC AT NO ADDITIONAL COST TO THE OWNER.
- OBTAIN ALL TEMPORARY EASEMENTS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
- COMPLY WITH ALL APPLICABLE PERMITS AND REGULATIONS. APPLICABLE PERMITS ISSUED TO THE OWNER WILL BE MADE AVAILABLE TO THE CONTRACTOR. CONTACT ALL APPLICABLE PERMITTING AGENCIES WITHIN THE TIME PERIOD SPECIFIED BY THAT AGENCY PRIOR TO BEGINNING CONSTRUCTION.
- ALL WELL LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. FIELD VERIFY AND DETERMINE EXACT LOCATIONS OF ALL WELLS IN THE PROJECT AREA.
- ALL EXISTING AND NEW UTILITY INFORMATION, INCLUDING BUT NOT LIMITED TO LOCATION, SIZE AND INVERT ELEVATION, IS SHOWN BASED UPON AVAILABLE INFORMATION. THE ENGINEER DOES NOT GUARANTEE OR ASSUME SUCH INFORMATION TO BE THE CURRENT OR ALL INCLUSIVE OR EVEN APPROXIMATE. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (IUPPS) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY. CONTACT NON-MEMBER UTILITIES DIRECTLY.
- DETERMINE WHICH UTILITIES MAY CONFLICT WITH WORK AND VERIFY THEIR LOCATION, SIZE AND ELEVATION PRIOR TO CONSTRUCTION. DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS. IF ANY DISCREPANCIES OR CONFLICTS ARE DISCOVERED, NOTIFY THE ENGINEER AS SOON AS POSSIBLE.
- EXISTING UTILITY SERVICE LINES TO INDIVIDUAL CUSTOMERS MAY NOT BE SHOWN ON THE DRAWINGS. ASSUME THAT ALL ROUND SERVICE LINES FOR ALL UTILITIES EXIST TO EACH PROPERTY ALONG THE ROUTE OF THE PLANNED IMPROVEMENTS.
- COORDINATE AT ALL WORK WITH THE RESPECTIVE UTILITIES. SCHEDULE WORK ACCORDINGLY, AND NOTIFY ALL UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY.
- BRACE AND PROTECT ALL UTILITY POLES AND EXISTING STRUCTURES ADJACENT TO NEW EXCAVATIONS. UTILITY POLE BRACING SHALL BE AS DIRECTED BY THE GOVERNING UTILITY.
- MAINTAIN EXISTING STORMWATER DRAINAGE FOR THE ENTIRE DURATION OF THE PROJECT.
- DO NOT DISTURB EXISTING MANHOLES OR INLETS, UNLESS NOTED OTHERWISE.
- ALL EQUIPMENT, APPURTENANCES AND PIPING REMOVED AS PART OF THE DEMOLITION SHALL FIRST BE OFFERED TO THE OWNER FOR SALVAGE. DELIVER SALVAGED ITEMS SELECTED BY OWNER TO A LOCATION DESIGNATED BY THE OWNER OR ENGINEER. IN THE EVENT THE OWNER DOES NOT ELECT TO KEEP THE REMOVED ITEMS, REMOVE SUCH ITEMS FROM THE SITE AND DISPOSE OF AT A LOCATION APPROVED FOR SUCH DISPOSAL AT THE CONTRACTOR'S EXPENSE.
- COORDINATE STAGING AREA LOCATIONS WITH THE OWNER.
- ALL CONSTRUCTION TRAFFIC SHALL USE MAJOR ROADS. NO CONSTRUCTION TRAFFIC SHALL USE LOCAL STREETS FOR INDIRECT ACCESS.
- TO CONTROL DUST, REMOVE SOIL FROM STREETS USED BY CONSTRUCTION TRAFFIC DAILY, VACUUM AND WATER AS NECESSARY AND/OR AS DIRECTED BY THE OWNER.
- ALL EXISTING PIPING MAY NOT BE SHOWN. REFERENCE EXISTING RECORD DRAWINGS ON FILE WITH THE OWNER AND WESSLER ENGINEERING FOR ADDITIONAL INFORMATION OF EXISTING PIPING AND CONDUIT THROUGHOUT WELLFIELD.
- THE WORK SHOWN ON THESE DRAWINGS IS OCCURRING WITHIN A WELLFIELD IN WHICH BURIED ELECTRICAL CONDUIT AND SMALL PIPING MAY EXIST THROUGHOUT AND IN THE VICINITY OF THE PROJECT AND MAY NOT BE SHOWN ON THESE DRAWINGS. EXPECT TO ENCOUNTER BURIED ELECTRICAL AND COMMUNICATIONS WIRING, WITH OR WITHOUT CONDUIT, SMALL PIPING, AND FIELD TILE WHILE DIGGING ON THIS SITE.
- NEW PIPING CARRYING LIQUIDS SHALL HAVE MINIMUM COVER AS DEFINED IN SPEC 02660, UNLESS SPECIFIC ELEVATIONS ON THE DRAWINGS INDICATE OTHERWISE.
- COMPLETELY REMOVE UNDERGROUND PIPING THAT HAS PREVIOUSLY BEEN OR WILL

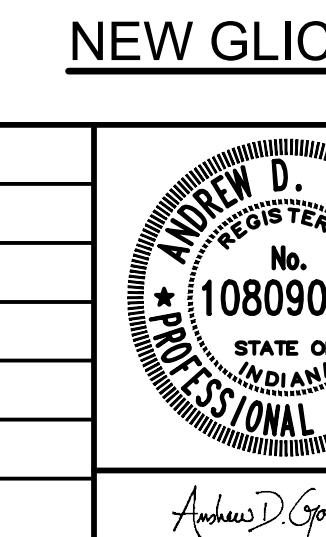
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								<b>WESSLER</b> ENGINEERING																																																																							
								<b>More than a Project™</b>																																																																							
								<b>NEW GLICK WELL 6 - SITE PLAN</b>																																																																							
								<b>22</b>																																																																							

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MATCHLINE - SEE SHEET NO. 04 FOR CONTINUATION

GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
2. CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
3. FEMA ZONE AE 100-YR BASE FLOOD ELEV = 531.80.
4. CONTRACTOR TO COORDINATE WITH WATER WORKS TO SHUT DOWN EXISTING 30-INCH

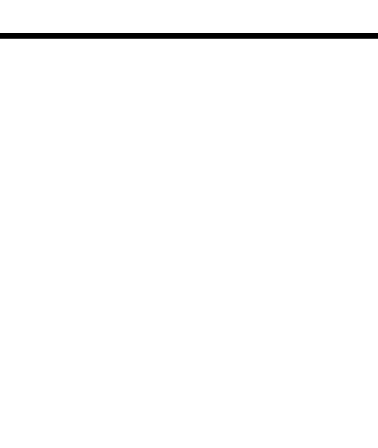


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### GLICK WELLS 6 AND 7

CITY OF LAFAYETTE  
LAFAYETTE, IN

### NEW GLICK WELL 7 - SITE PLAN

SCALE VERIFICATION	DRAWN BY	JRW	#	DATE	INITIALS	REVISION DESCRIPTIONS	 WESSLER ENGINEERING More than a Project™	GLICK WELLS 6 AND 7	SHEET #
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	AMS						CITY OF LAFAYETTE LAFAYETTE, IN	05
	APPROVED BY	ADG							
	ISSUE DATE								
	FEBRUARY 2026								
	PROJECT NUMBER								
273224-04-001									
							TOTAL SHEETS	22	



0 25 50 100 FT  
1" = 50'

#### GENERAL NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PLAN SHEETS AND AS NECESSARY TO PROVIDE ADEQUATE CONTROL FOR THE CONSTRUCTION AREA. SEE SPECIFICATION 02101.
2. CONTRACTOR TO REPAIR AND REINSTATE ANY DAMAGED FIELD TILE WITHIN 24 HOURS OF OCCURRENCE.
3. FEMA ZONE AE 100-YR BASE FLOOD ELEV = 531.80.
4. CONTRACTOR TO COORDINATE WITH WATER WORKS TO SHUT DOWN EXISTING 30-INCH RAW WATER LINE.

#### LEGEND

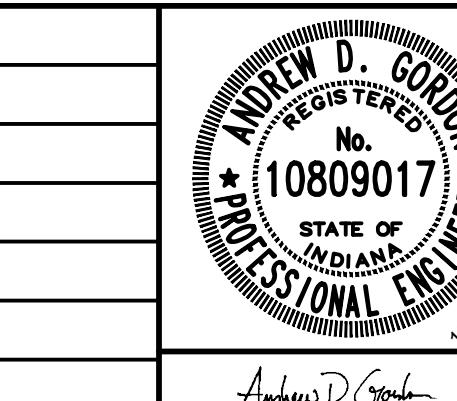
	SILT FENCE
	CONCRETE WASHOUT

#### KEYED NOTES

F<sub>s</sub> SILT FENCE  
**LEGEND**  
 — W — RAW WATER  
 — UGE — UNDERGROUND ELECTRIC  
 — UGF — UNDERGROUND FIBER OPTIC

#### NEW GLICK WELLS 6 AND 7 - SITE PLAN

SCALE: 1" = 50'



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#### GLICK WELLS 6 AND 7

CITY OF LAFAYETTE  
LAFAYETTE, IN

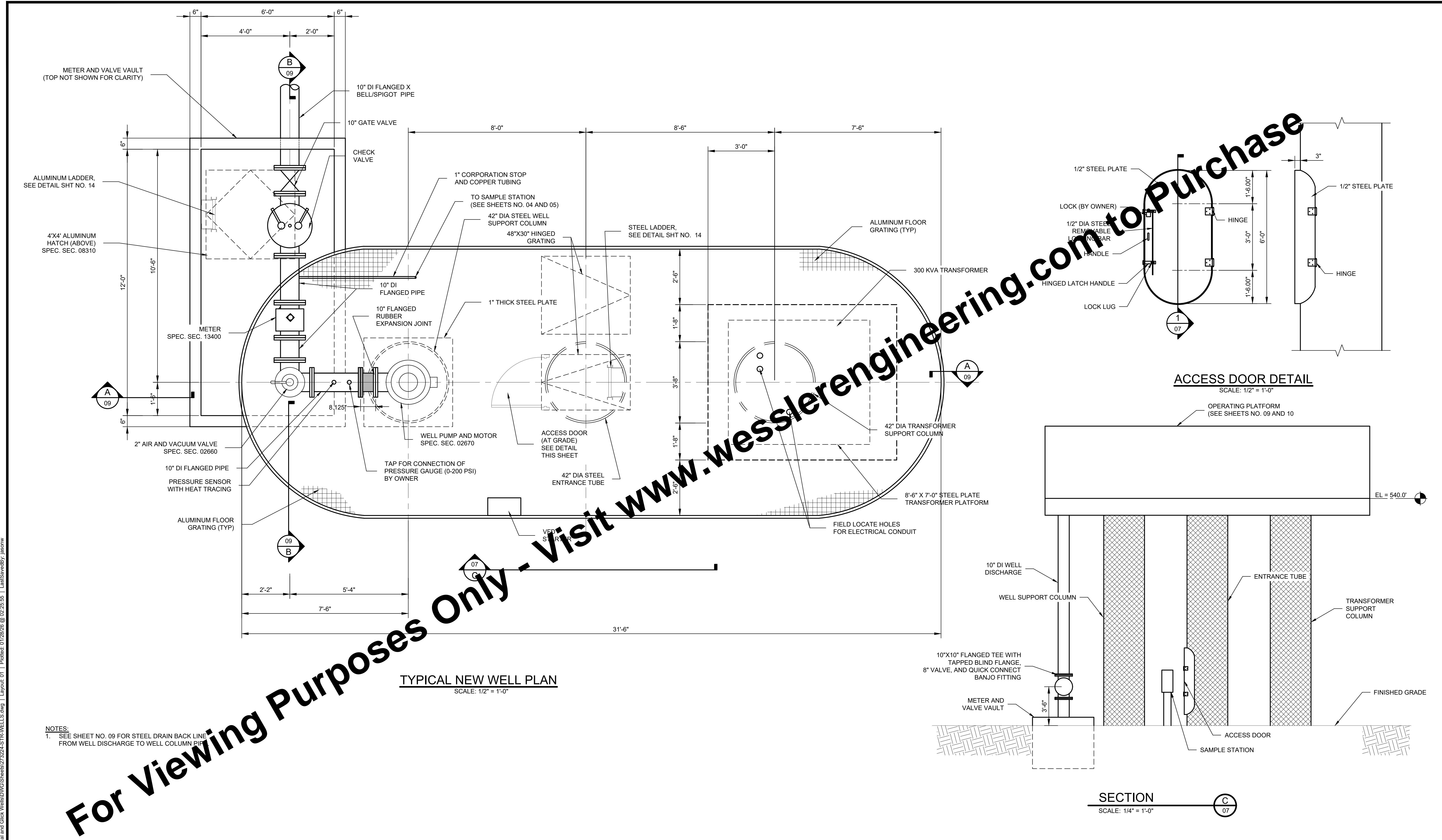
#### NEW GLICK WELLS 6 AND 7 - SITE PLAN

SHEET #

**06**

TOTAL SHEETS

**22**



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	DRAWN BY	AMS	#	DATE	INITIALS	REVISION DESCRIPTIONS				07
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	APPROVED BY	JB					ISSUE DATE	PROJECT NUMBER		TOTAL SHEETS
							FEBRUARY 2026	273224-04-001	22	

**WELL PLATFORM FRAMING PLAN FOR  
NEW WELLS NO. 6 AND NO. 7**

SECTION A-08: Shows a vertical cross-section of the platform framing. It includes a 42" dia steel column, L4X3X1/4 LLH grating support angles, and W8X10 and MC18X42.7 beams. A plate is to be located above the "TELEMETRY CONTROL PANEL". Dimensions: 8'-0" height, 1'-6" width, 1'-6" height for the top section, and 1'-6" height for the bottom section. Scale: 3/4" = 1'-0".

SECTION B-08: Shows a horizontal cross-section of the platform framing. It includes W8X10 (TYP) beams, MC18X42.7 columns, and a 42" dia steel column. It also shows a hinged grating with a 48" x 30" opening. Dimensions: 3'-0" width, 4' height, and 3'-0" width for the side sections. Scale: 1" = 1'-0".

SECTION C-08: Shows a vertical cross-section of the column connection. It includes a 42" dia column, L4X3-1/2X1/2 LLH, and stiffeners. Dimensions: 6'0" height, 1'-4" width, and 1'-4" width for the side sections. Scale: 1" = 1'-0".

SECTION 3-08: Shows a detailed view of the hinged opening. It includes L4X3X1/4 LLH, W4X13, and 1"X1"X3/16" steel angle. Dimensions: 3'-3" width, 4.00" height, and 1/2" gap. Scale: 1/2" = 1'-0".

SECTION 1-08: Shows a detailed view of the column connection detail. It includes a 1"X3/16" aluminum grating and L4X3X1/4 LLH. Dimensions: 1" width and 1/2" height. Scale: 1" = 1'-0".

PLAN: Shows the overall plan view of the well platform framing, including the 42" dia column, L4X3X1/2 LLH, and MC18X42.7 columns. Dimensions: 8'-6" x 8'-6" overall width and height. Scale: 1/2" = 1'-0".

COLUMN CONNECTION DETAIL: Shows a detailed view of the column connection detail. It includes a 42" dia column, L4X3-1/2X1/2 LLH, and stiffeners. Dimensions: 6'0" height, 1'-4" width, and 1'-4" width for the side sections. Scale: 1" = 1'-0".

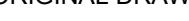
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CHECKED BY		AMS													
APPROVED BY		JB													
ISSUE DATE															
FEBRUARY 2026															
PROJECT NUMBER															
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<b>NEW GLICK WELL - PLATFORM FRAMING PLAN, SECTION AND DETAILS</b> <i>Gallone</i>														<b>WESSLER</b> <b>ENGINEERING</b> <i>More than a Project™</i>	
														<b>08</b> <b>22</b>	
														<b>TOTAL SHEETS</b>	

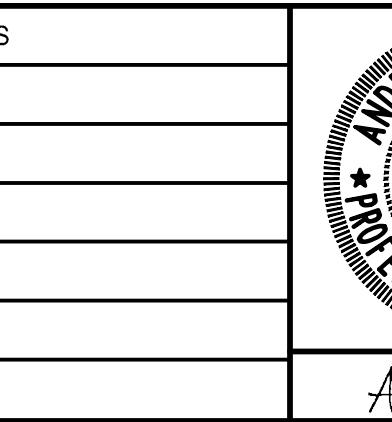
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SECTION A-07

SECTION B-07

	<p>SCALE VERIFICATION</p> <p>BAR IS ONE INCH LONG ON ORIGINAL DRAWING</p> 
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CHECKED BY	AMS			
APPROVED BY	JB			
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PROJECT NUMBER				
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# **GLICK WELLS 6 AND 7**

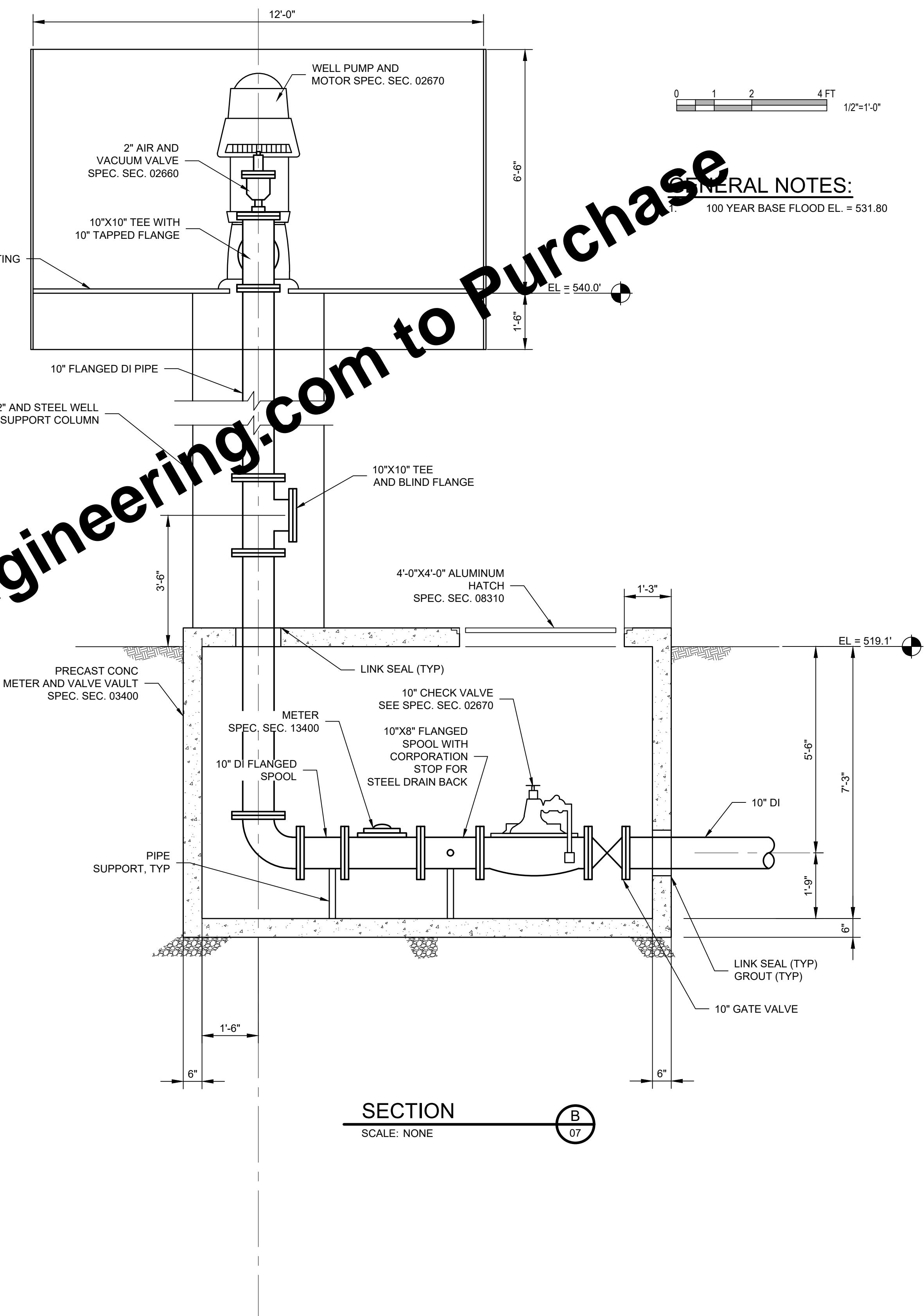
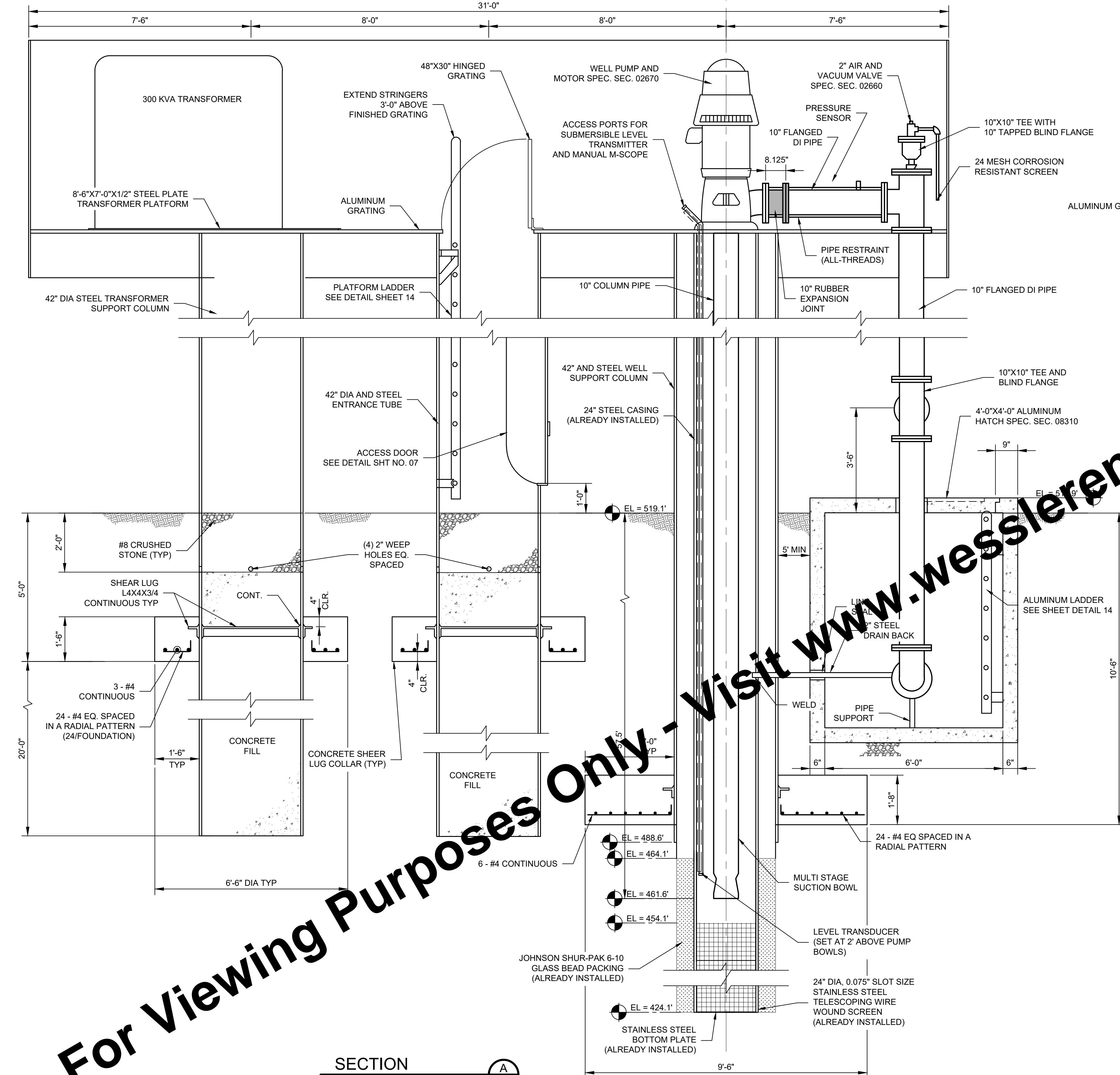
## **CITY OF LAFAYETTE**

## **LAFAYETTE, IN**

**SHEET #**  
**09**  

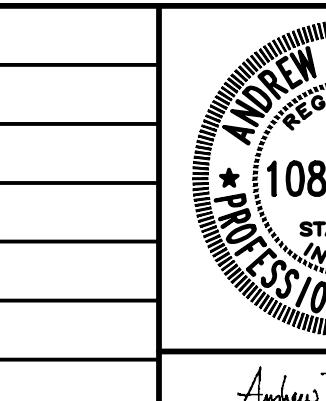
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**TOTAL SHEETS**  
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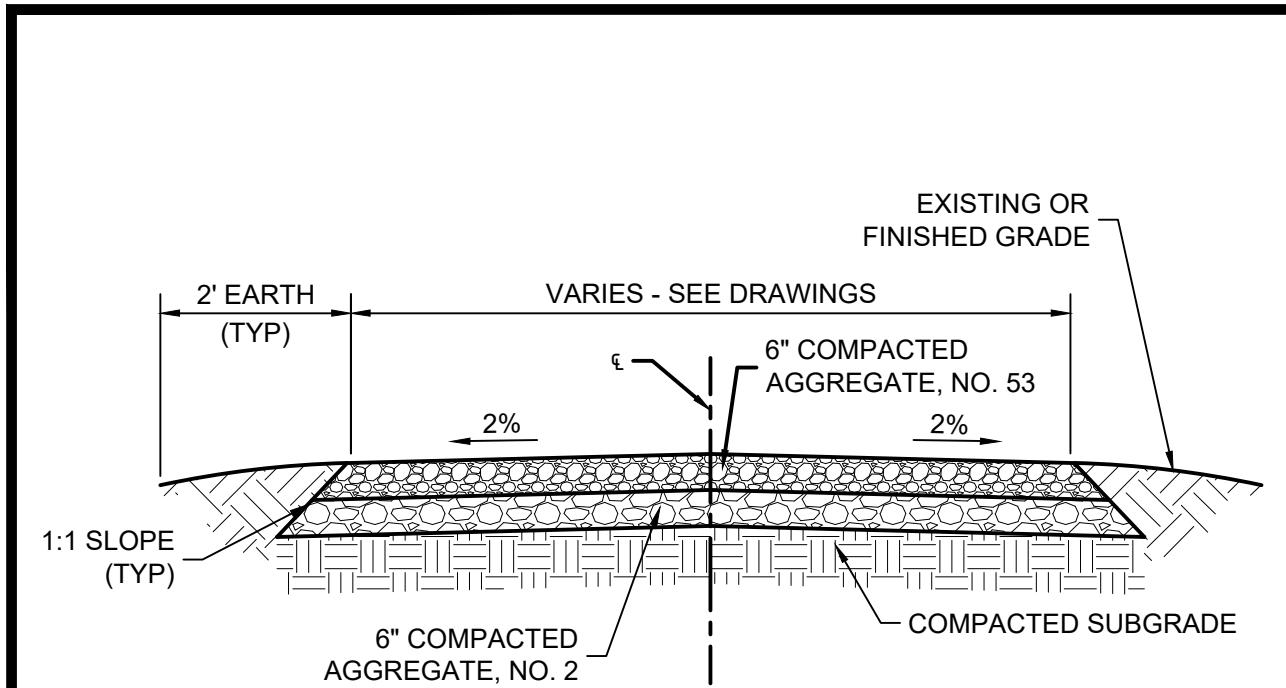
## GLICK WELLS 6 AND 7

CITY OF LAFAYETTE  
LAFAYETTE, IN

NEW GLICK WELL 7 - SECTION AND DETAILS

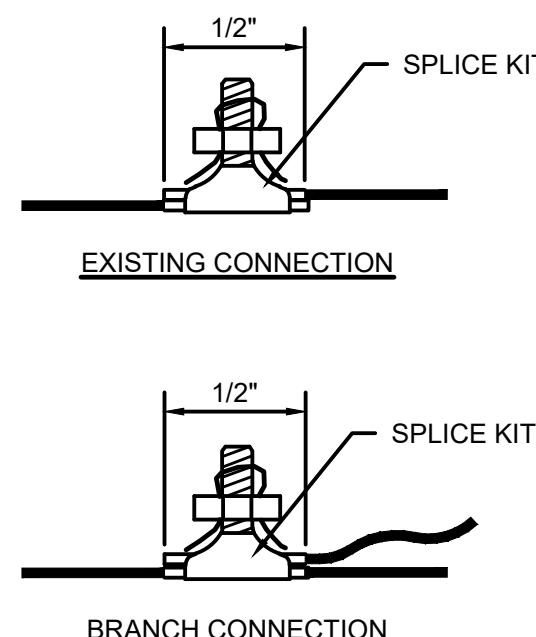
SHEET #  
**10**

TOTAL SHEETS  
**22**



### CRUSHED STONE DRIVE

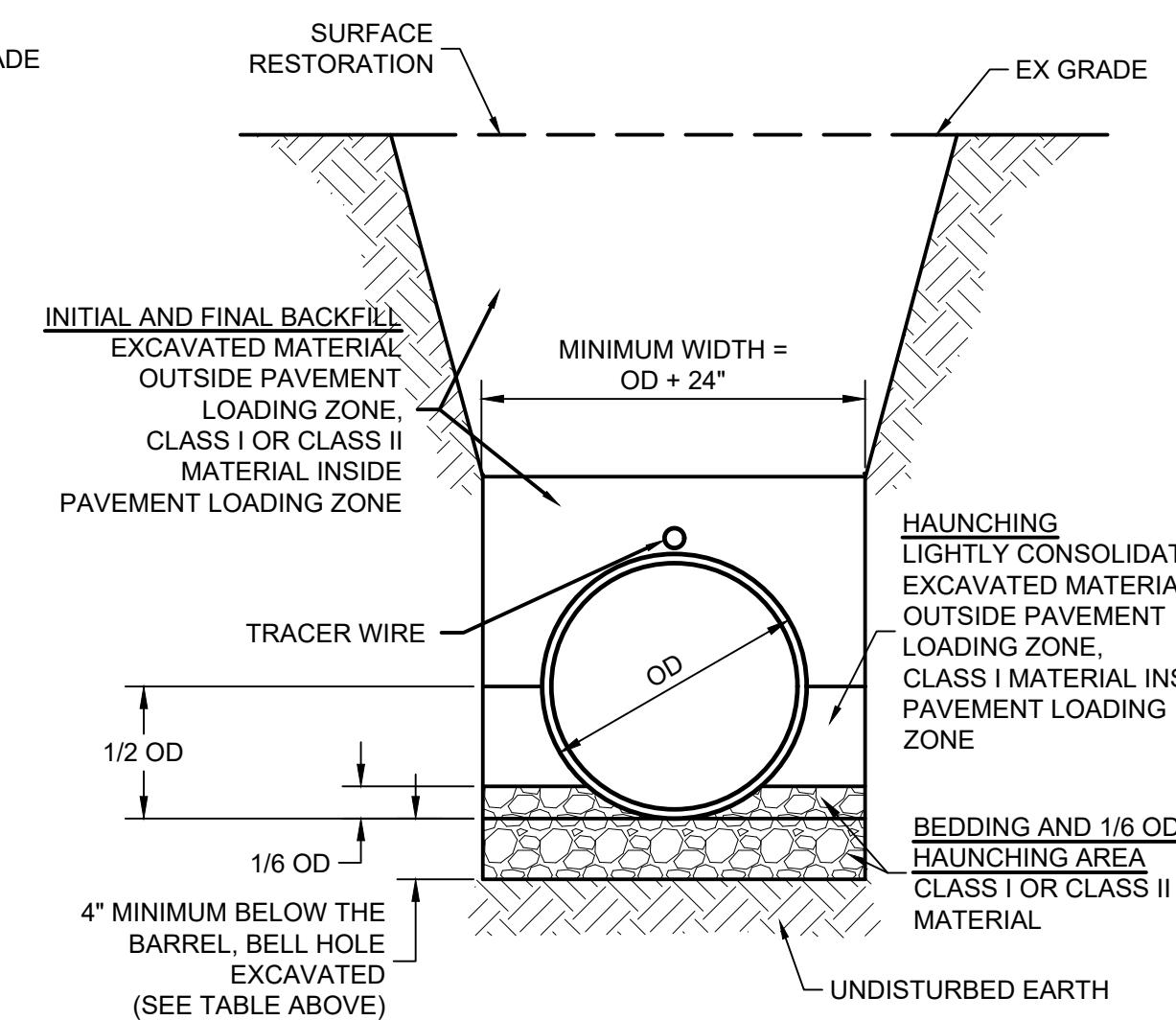
SCALE: NONE



### TRACER WIRE BOLTED CONNECTION

SCALE: NONE

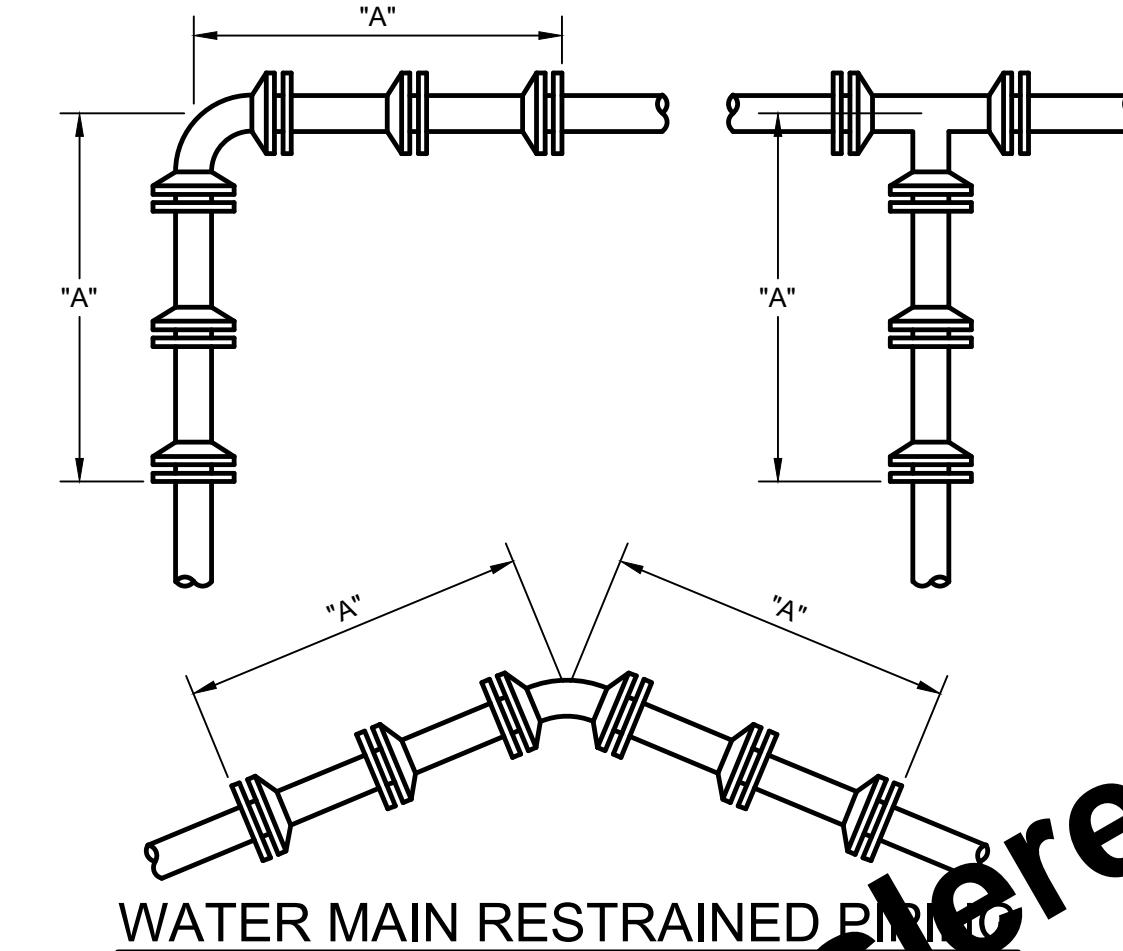
PIPE SIZE	3" TO 16"	18" TO 30"	32" AND OVER
BEDDING BELOW THE PIPE BARREL	4"	OD / 4	8"



### DUCTILE IRON (DI) PIPE TRENCH

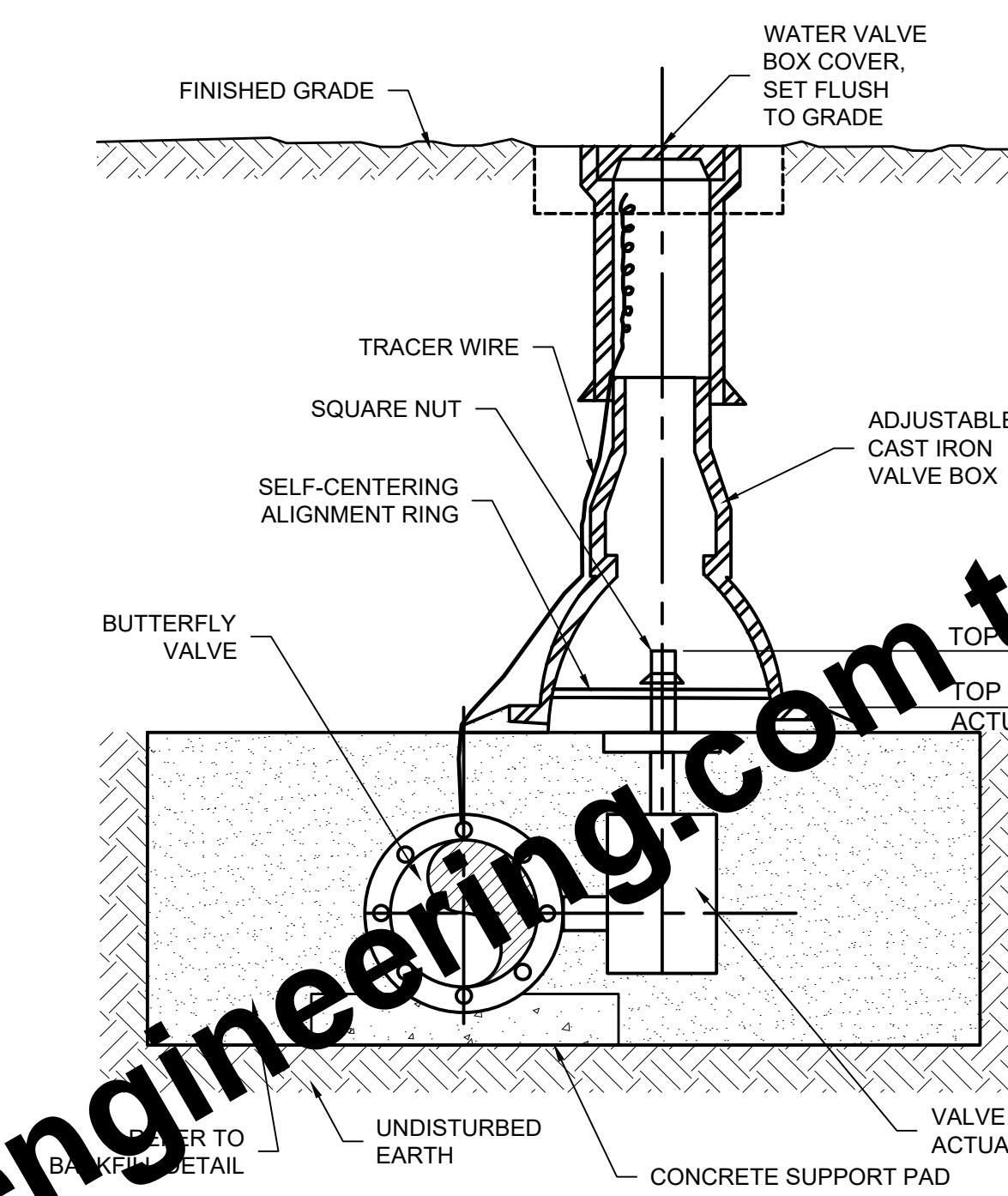
SCALE: NONE

FEET OF RESTRAINED PIPE @ 150 PSI (A) ON EACH SIDE OF FITTING		
	WATER MAIN SIZE	
FITTING TYPE	10 INCH	12 INCH
11 1/4" HORIZ BEND	7	8
22 1/2" HORIZ BEND	14	16
45° HORIZ BEND	27	32
90° HORIZ BEND	65	76
11 1/4" VERT BEND	13	15
22 1/2" VERT BEND	25	29
45° VERT BEND	51	60
90° VERT BEND	122	144
VALVES AND PLUGS	122	144
TEE OUTLET	104	125
	243	



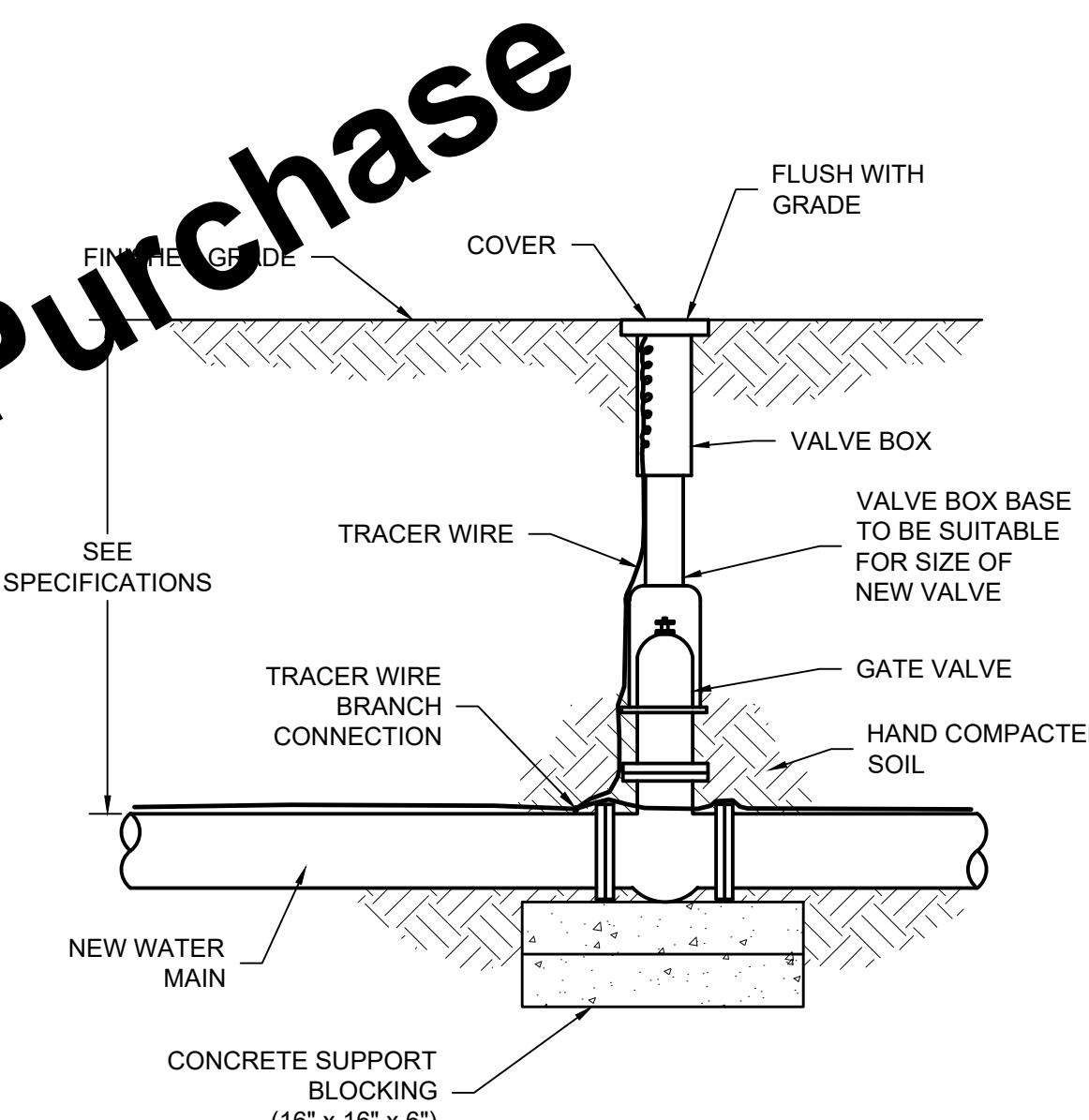
### WATER MAIN RESTRAINED PIPE

SCALE: NONE



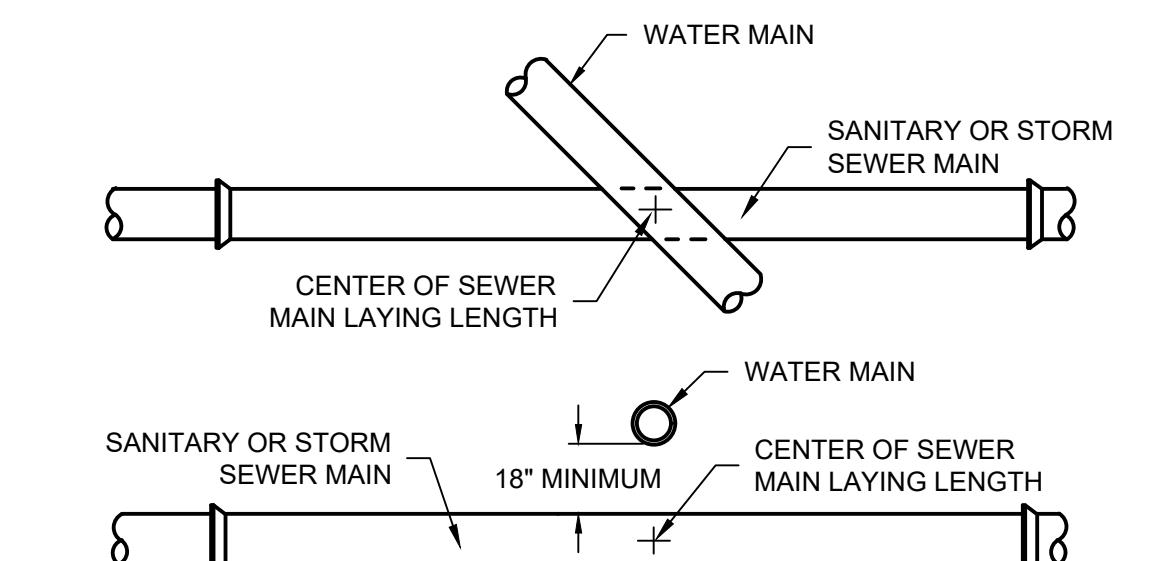
### BUTTERFLY VALVE

SCALE: NONE



### GATE VALVE

SCALE: NONE

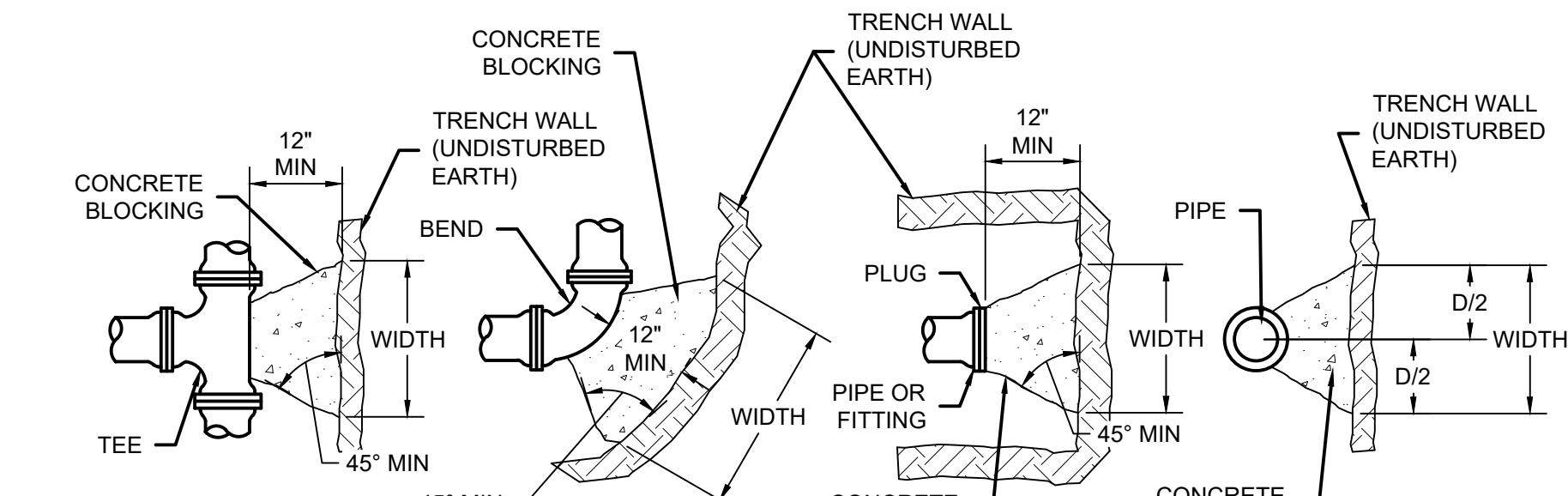


NOTES:

1. WATER MAIN AND SEWER MINIMUM SEPARATION: 18" VERTICAL SEPARATION 10'-0" HORIZONTAL SEPARATION.
2. WHERE WATER MAIN AND SEWER SEPARATION IS LESS THAN 18" VERTICAL OR 10' HORIZONTAL, THE SEWER MUST BE DUCTILE IRON OR SDR-21 PVC.

### MINIMUM CROSSOVER AND SEPARATION REQUIREMENTS FOR SEWER AND WATER MAINS

SCALE: NONE



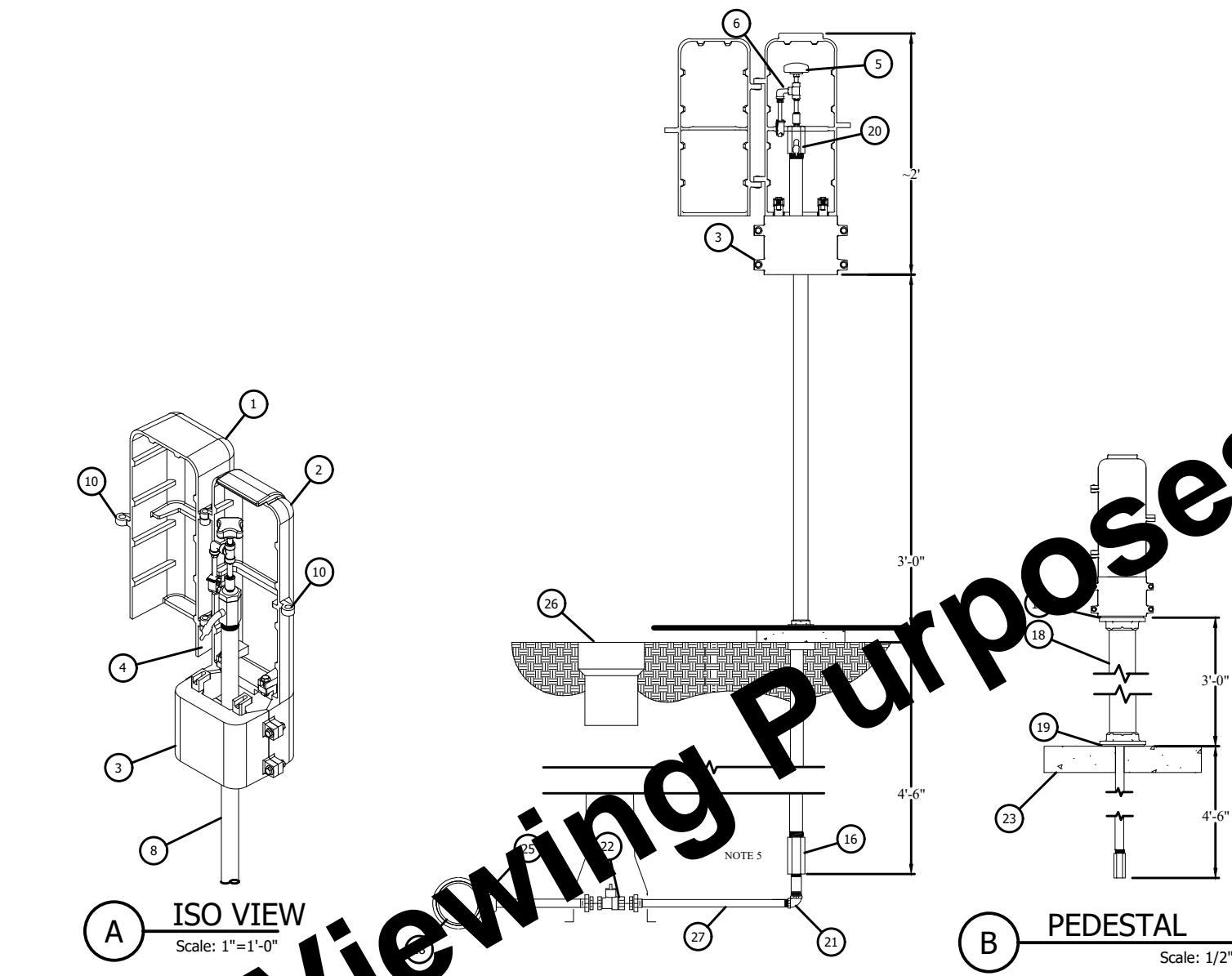
SIZE	TEE		22 1/2°		45°		90°		PLUG	
	W	D	W	D	W	D	W	D	W	D
10"	5'-3"	2'-6"	3'-0"	1'-9"	4'-0"	2'-6"	7'-3"	2'-6"	3'-9"	3'-9"
12"	6'-0"	3'-0"	3'-6"	2'-0"	4'-9"	3'-6"	7'-9"	3'-0"	4'-3"	4'-3"
20"	9'-6"	5'-0"	5'-6"	3'-0"	6'-3"	7'-6"	9'-9"	5'-0"	6'-3"	6'-3"

NOTES:

1. CONCRETE REACTION BLOCKING SHALL NOT COVER PIPE JOINTS, BOLTS, OR GLANDS.
2. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH NOT LESS THAN 2000 PSI AFTER 28 DAYS. UNOPENED BAGS OF SACKRETE ARE NOT ACCEPTABLE.
3. WRAP DI FITTINGS WITH 8 MIL VISQUEEN OR POLYETHYLENE ENCASEMENT.

### WATER MAIN REACTION BLOCKING

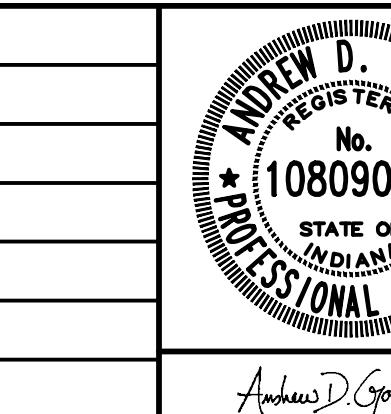
SCALE: NONE



### SAMPLING STATION

SCALE: AS NOTED

ITEM	DESCRIPTION
1	88 FRONT DOOR (COVER A)
2	88 REAR DOOR (COVER B)
3	88 PLATE
4	UNTHREADED NOZZLE
5	OPENING HANDLE
6	TRAP HOSE
7	DRAIN CLIP
8	1" S.S. BARREL
9	S.S. OPERATING ROD
10	LOCKING HOLE
11	VALVE CORE
12	VALVE SEAT CARRIER
13	OPERATING SCREW
14	SEAT O-RING
15	WATERPATH
16	VALVE BODY
17	INLET HOLES
18	PEDESTAL
19	PEDESTAL GASKET
20	PACKING NUT
21	ELBOW
22	CURB STOP
23	CONCRETE SLAB 12'X3'X3'
24	ANCHORS
25	CORPORATION STOP
26	VALVE BOX AND LID
27	1" COPPER TUBING
28	WATER MAIN FROM INSIDE VAULT



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### GLICK WELLS 6 AND 7

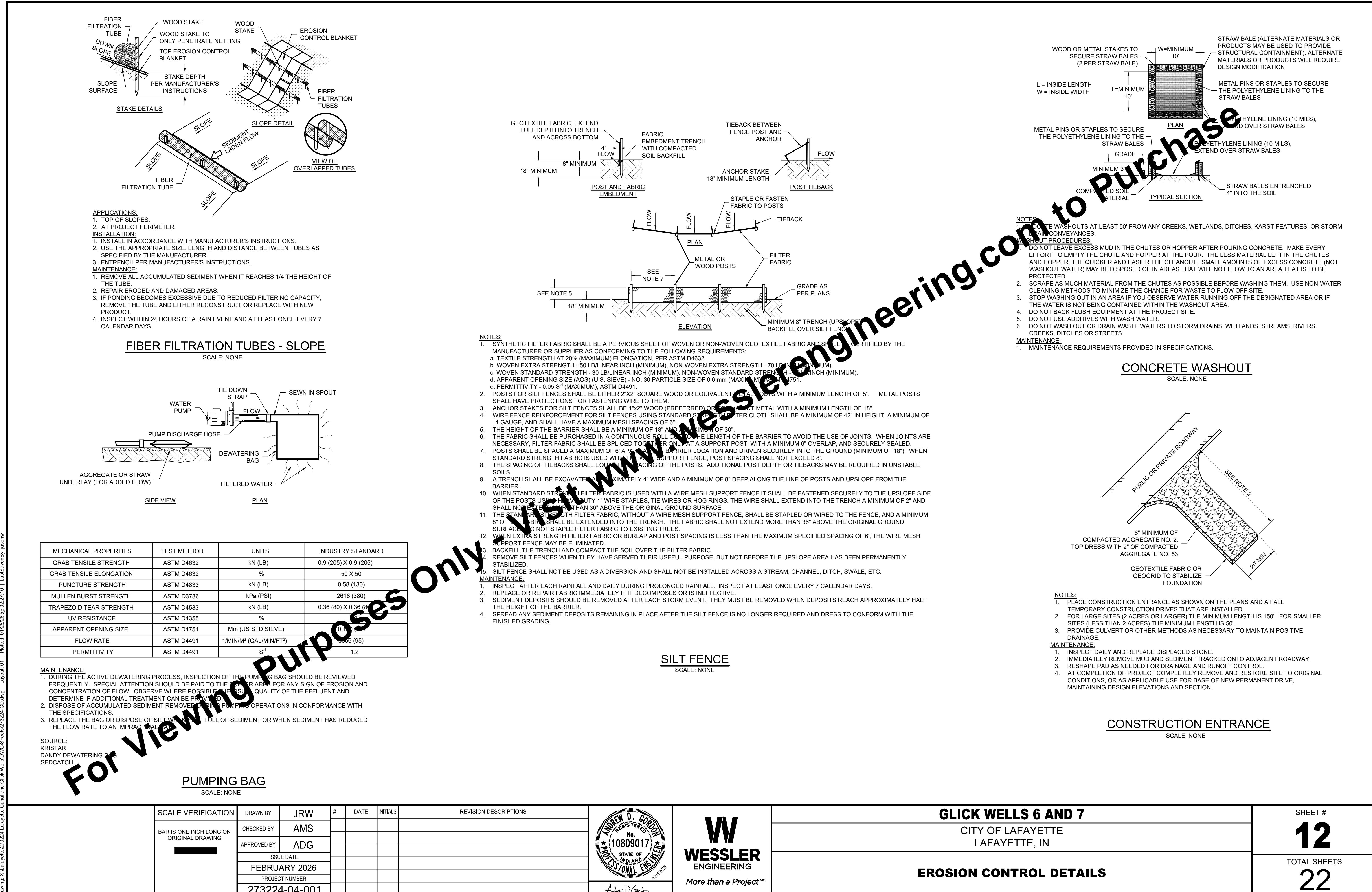
CITY OF LAFAYETTE  
LAFAYETTE, IN

### MISCELLANEOUS DETAILS

**11**

**22**

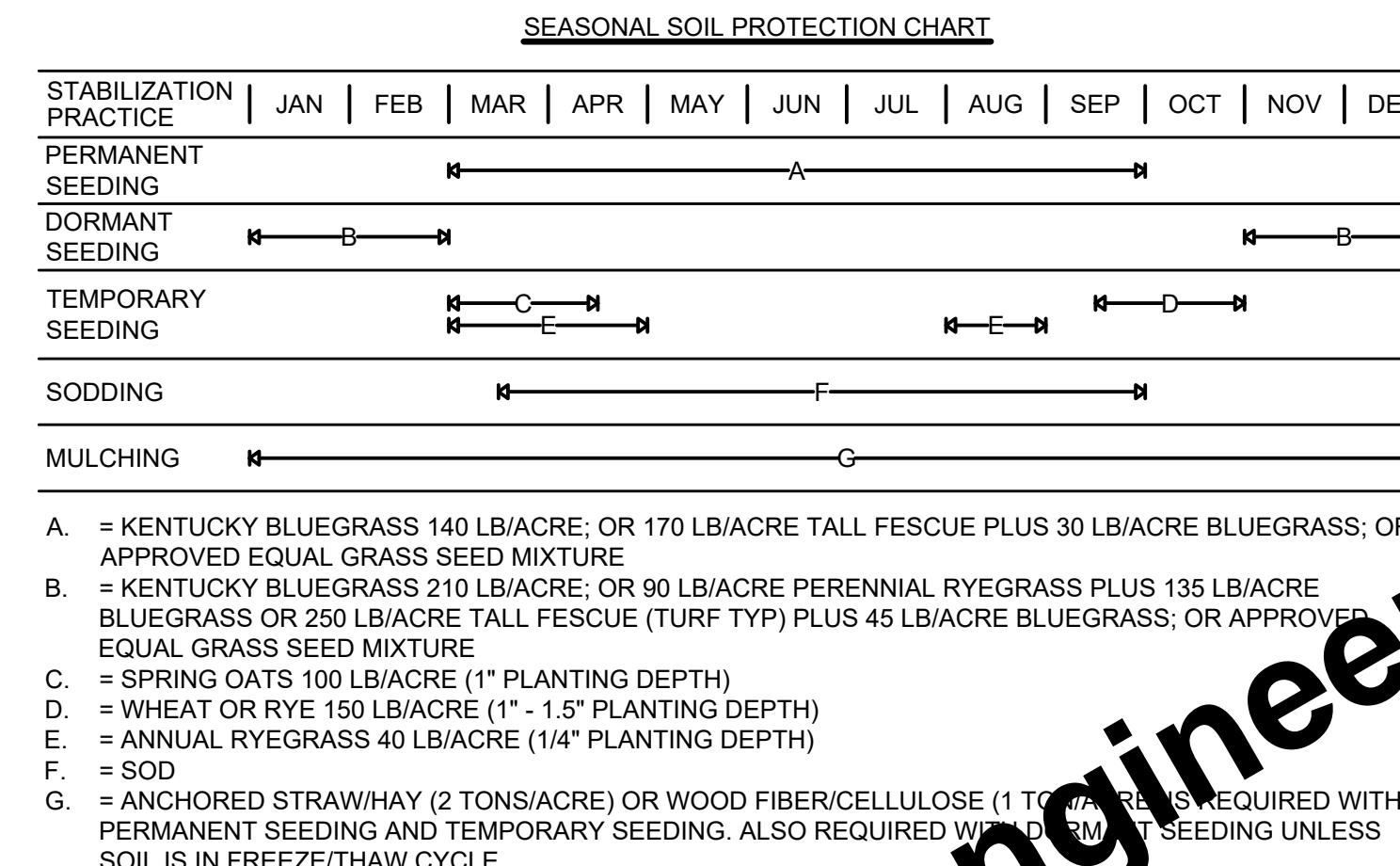
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EROSION CONTROL SCHEDULE	
CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
PRECONSTRUCTION ACTIVITIES: POST THE FOLLOWING INFORMATION NEAR THE MAIN ENTRANCE OF THE PROJECT SITE OR AT A PUBLICLY ACCESSIBLE LOCATION: NOTICE OF INTENT (NOI) DOCUMENT, COPY OF THE PUBLIC NOTICE, NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT NUMBER, NAME, ADDRESS, AND PHONE NUMBER OF THE LOCAL CONTACT PERSON, AND LOCATION OF A COPY OF THE CONSTRUCTION DRAWINGS AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP).	AUTHORIZATION UNDER THE CSGP IS EFFECTIVE 48-HOURS AFTER SUBMITTAL OF THE NOTICE OF INTENT TO IDEM AND LOCAL AUTHORITY BY THE OWNER.
MAINTAIN DOCUMENTATION ON-SITE PER SPECIFICATION 02101 FOR THE PROJECT MANAGEMENT LOG. THE SWPPP SHOULD BE ONSITE AND SELF-MONITORING INSPECTION REPORTS MUST BE AVAILABLE WITHIN 48 HOURS OF REQUEST. INFORM OR TRAIN PERSONNEL ASSOCIATED WITH THE PROJECT OF THE TERMS AND CONDITIONS OF THE CSGP AND THE SWPPP REQUIREMENTS.	
REVIEW THE EROSION CONTROL SCHEDULE ON THE DRAWINGS AND REVISE AS NEEDED TO PHASE CONSTRUCTION ACTIVITIES TO MINIMIZE THE FOOTPRINT OF DISTURBED UNSTABLE AREAS. SUBMIT A REVISED EROSION CONTROL SCHEDULE AS NEEDED FOR TEMPORARY AND PERMANENT EROSION CONTROL WORK AS APPLICABLE.	COMPLETE BEFORE CONSTRUCTION BEGINS.
CONSTRUCTION ACCESS - ENTRANCE TO SITE, CONSTRUCTION ROUTES, AREAS DESIGNATED FOR EQUIPMENT PARKING OR MATERIAL STAGING AND WASTE HANDLING.	THIS IS THE FIRST LAND-DISTURBING ACTIVITY. AS SOON AS CONSTRUCTION BEGINS, STABILIZE ANY BARE AREAS WITH AGGREGATE AND TEMPORARY VEGETATION.
SEDIMENT TRAPS AND BARRIERS - BASIN TRAPS, SILT FENCE AND PERIMETER PROTECTION.	AFTER CONSTRUCTION IS ACCESSED, BASINS SHALL BE INSTALLED, WITH THE ADDITION OF MORE TRAPS AND BARRIERS AS NEEDED DURING GRADING. SET UP PROTECTION FOR NATURAL FEATURES, TREES AND BUFFERS.
RUNOFF CONTROL - DIVERSIONS, PERIMETER PROTECTION, CHECK DAMS, OUTLET PROTECTION.	RUNOFF CONTROL PRACTICES SHALL BE INSTALLED AFTER THE INSTALLATION OF SEDIMENT TRAPS AND BEFORE LAND GRADING. ADDITIONAL RUNOFF CONTROL MEASURES MAY BE INSTALLED DURING GRADING.
RUNOFF CONVEYANCE SYSTEM - STABILIZE STREAM BANKS, STORM DRAINS, CHANNELS, INLET AND OUTLET PROTECTION, SLOPE DRAINS.	AS NECESSARY, STABILIZE STREAM BANKS AND SIDE SLOPES OF RUNOFF SYSTEMS AS SOON AS POSSIBLE. USE EROSION CONTROL BLANKETS OR SLOPE DRAINS TO PREVENT EROSION. INSTALL INLET PROTECTION TO PREVENT SEDIMENTS FROM ENTERING STORM DRAINAGE SYSTEMS. PROTECT STORM OUTLETS TO PREVENT EROSION.
LAND CLEARING AND GRADING - SITE PREPARATION (CUTTING, FILLING, AND GRADING, SEDIMENT TRAPS, BARRIERS, DIVERSIONS, DRAINS, SURFACE ROUGHENING).	IMPLEMENT CLEARING AND GRADING AFTER INSTALLATION OF SEDIMENT TRAPS AND RUNOFF CONTROL MEASURES, AND INSTALL ADDITIONAL CONTROL MEASURES AS GRADING CONTINUES. CLEAR BORROW AND DISPOSAL AREAS AS NEEDED.
SURFACE STABILIZATION - TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIPRAP, EROSION CONTROL BLANKET.	APPLY TEMPORARY OR PERMANENT STABILIZING MEASURES IMMEDIATELY TO ANY DISTURBED AREAS WHERE WORK HAS BEEN EITHER COMPLETED OR DELAYED.
CONSTRUCTION - STRUCTURES, UTILITIES, PAVING, CONCRETE WASHOUT, AND CONSTRUCTION ENTRANCES.	DURING CONSTRUCTION, INSTALL ANY EROSION AND SEDIMENTATION CONTROL MEASURES THAT ARE NEEDED.
LANDSCAPING AND FINAL STABILIZATION - TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIPRAP.	THIS IS THE LAST CONSTRUCTION PHASE. START REGRADING DISTURBED AREAS, INCLUDING BORROW AND SPOIL AREAS, AND REMOVE ALL TEMPORARY CONTROL MEASURES. FINAL STABILIZATION IS WHEN A CROWN DENSITY OF 70% VEGETATION COVERAGE IS MET. PROVIDE NOTIFICATION TO THE OWNER THAT THE ENTIRE SITE HAS BEEN STABILIZED AND ALL CONSTRUCTION MATERIALS, WASTES, AND EQUIPMENT HAVE BEEN REMOVED.

### EROSION CONTROL SCHEDULE

SCALE: NONE



## NOTES:

- IRRIGATION NEEDED DURING MAY THROUGH SEPTEMBER.
- IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPROVED SOD.
- ANCHORED MULCH IS REQUIRED FOR PERMANENT, DORMANT AND TEMPORARY SEEDING.
- OPTIMUM SEEDING DATES PROVIDED. DATES MAY BE EXTENDED OR SHORTENED BASED ON PROJECT LOCATION.
- SEED MIXTURES PROVIDED FOR LAWNS AND BUSH MAINTENANCE AREAS.
- IF CONSTRUCTION ACTIVITIES ARE LOCATED WITHIN A FLOODWAY, SEE MIXTURES CONSISTING OF TALL FESCUE SHALL NOT BE USED.

## MAINTENANCE:

- INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
- CHECK FOR EROSION AND MOVEMENT OF MULCH AND REPAIR IMMEDIATELY.
- MONITOR FOR EROSION DAMAGE AND ADEQUATE COVER (70% DENSITY).
- RESEED OR REPAIR MULCH WHERE NECESSARY.
- SELECT SOIL AMENDMENT MATERIALS AND RATES AS DETERMINED BY SOIL TESTS AND SITE CONDITIONS.

## PRODUCT:

- NORTH AMERICAN GREEN SC150, OR EQUAL.

## NOTES:

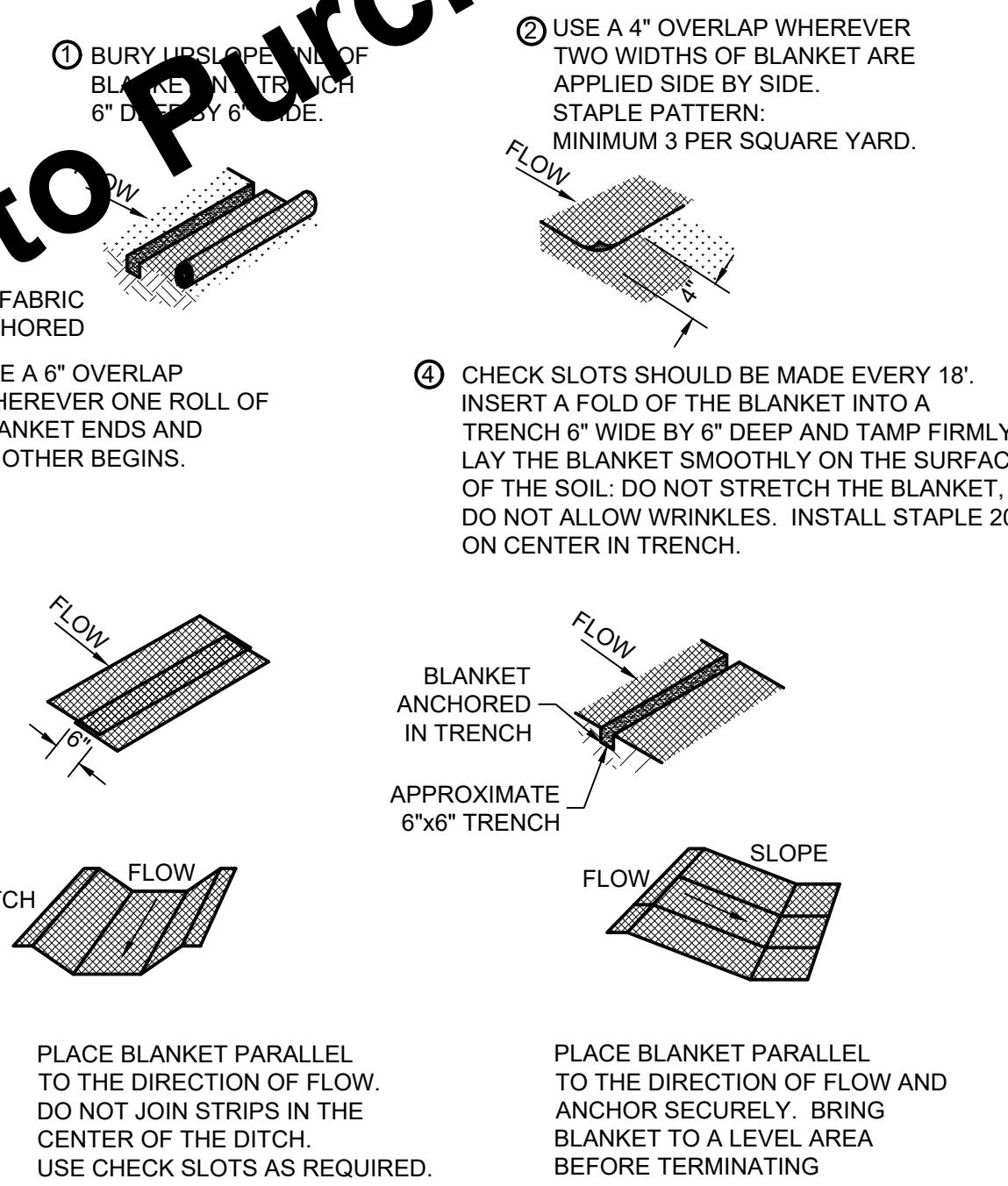
- PROTECT THE SLOPES WITH AN EROSION CONTROL BLANKET WHERE CONSTRUCTION DISTURBS SLOPES EQUAL OR STEEPER THAN 3:1.

## MAINTENANCE:

- INSPECT FOR EROSION AFTER EACH STORM EVENT DURING VEGETATION ESTABLISHMENT, AND AT LEAST ONCE EVERY 7 CALENDAR DAYS.
- IF ANY AREAS SHOW EROSION, PULL BACK THAT PORTION OF THE BLANKET, ADD SOIL, RESEED, RELAY AND STAPLE THE BLANKET.
- CHECK AREAS PERIODICALLY AFTER VEGETATION ESTABLISHMENT.

### EROSION CONTROL BLANKET

SCALE: NONE



### GLICK WELLS 6 AND 7

CITY OF LAFAYETTE  
LAFAYETTE, IN

### EROSION CONTROL DETAILS

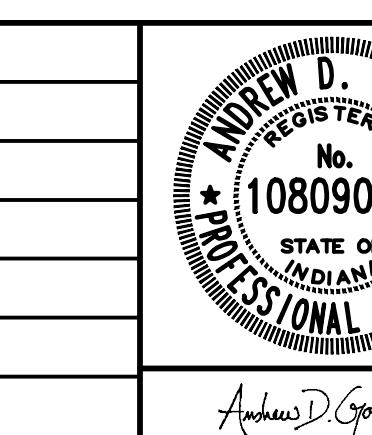
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	273224-04-001					



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Andrew D. Gordon

STRUCTURAL GENERAL NOTES

A. GENERAL INFORMATION

1. SHOP DRAWINGS OF ALL FABRICATED ITEMS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION.
2. VERIFY DIMENSIONS AND DETAILS BEFORE BEGINNING WORK. COORDINATE WALL OPENINGS WITH PROCESS / MECHANICAL / ARCHITECTURAL DRAWINGS. CONTRACTOR SHALL CHECK AND COORDINATE SIZES AND LOCATIONS OF ALL BLOCK-OUTS, CONDUITS, PIPE SLEEVES, EMBEDDED ITEMS, ETC. WITH MECHANICAL AND ELECTRICAL.
3. HORIZONTAL RUNS OF ELECTRICAL CONDUIT ARE NOT PERMITTED IN CONCRETE.
4. EXISTING CONDITIONS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. VERIFICATION IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR IS TO IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS BETWEEN EXISTING CONDITIONS AND DESIGN AND DETAILS INDICATED BY THESE DRAWINGS.
5. NO PIPES, SLEEVES, ETC. SHALL PASS THROUGH BEAMS OR COLUMNS UNLESS CLEARLY INDICATED ON STRUCTURAL PLANS OR AUTHORIZED BY THE ENGINEER.
6. STANDARD DETAILS ARE SHOWN ON DRAWINGS TITLED STANDARD STRUCTURAL DETAILS. THE STANDARD STRUCTURAL DETAILS INCLUDED MAY OR MAY NOT BE REFERENCED TO PLANS OR SECTIONS BUT ARE TO BE USED AS APPLICABLE.
7. DETAILS NOT SPECIFICALLY INDICATED SHALL BE SIMILAR TO DETAILS SHOWN FOR SIMILAR CONDITIONS.

## B. DESIGN

1. CODES AND SPECIFICATIONS
  - a. 2014 INDIANA BUILDING CODE (2012 INTERNATIONAL BUILDING CODE).
  - b. ASCE 7-10: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
  - c. ACI 318-11: BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
  - d. ACI 301-10: SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS.
  - e. ACI 315: DETAILS AND DETAILING OF CONCRETE REINFORCING.
  - f. AISC 360-10 16: SPECIFICATIONS FOR STRUCTURAL STEEL FOR BUILDINGS.
  - g. AMERICAN WELDING SOCIETY STANDARDS AND SPECIFICATIONS (AWS).

## 2. DESIGN LIVE LOADS

LIVE LOAD (L): 200 PSF

## SNOW:

GROUND SNOW LOAD (Pg) 20 PSF  
FLAT ROOF SNOW LOAD (Pf) 22 PSF

## IMPORTANCE FACTOR (Is)

1.1

## EXPOSURE FACTOR (Ce)

0.9

## THERMAL FACTOR (Ct)

1.2

## WIND:

BASIC WIND SPEED 120 MPH  
EXPOSURE CATEGORY C

INTERNAL PRESSURE COEFFICIENT +/- 0.55 (PARTIALLY ENCLOSED)

## SEISMIC:

## RISK CATEGORY III

## SEISMIC IMPORTANCE FACTOR 1.25

## MAPPED SPECTRAL RESPONSE (Ss) 0.140 g

## MAPPED SPECTRAL RESPONSE (S1) 0.079 g

## SITE CLASS D

## DESIGN SPECTRAL RESPONSE (SDS) 0.233 g

## DESIGN SPECTRAL RESPONSE (SD1) 0.183 g

## SEISMIC DESIGN CATEGORY C

## DESIGN BASE SHEAR 1.8 kip

## ANALYSIS PROCEDURE NONBUILDING STRUCTURE

## 3. DESIGN WIND AND SEISMIC LOAD CRITERIA FOR CLADDING

- a. CLADDING WIND LOADS TO BE IN ACCORDANCE WITH 2012 2021 IBC AND ASCE 7-10.
- b. BUILDINGS ARE TO BE CONSIDERED PARTIALLY ENCLOSED. INTERNAL PRESSURE COEFFICIENT,  $G_{pi} = +/- 0.55$ . EXTERNAL PRESSURE COEFFICIENTS ARE TO BE BASED ON COMPONENT EFFECTIVE WIND AREA AND ASCE 7-10.
- c. VELOCITY PRESSURE COEFFICIENT,  $K_h$  BASED ON HEIGHT.
- d. TOPOGRAPHIC FACTOR,  $K_{tl} = 1.0$ .
- e. WIND DIRECTIONALITY FACTOR,  $K_d = 0.85$ .
- f. VELOCITY PRESSURE,  $q_2$  BASED ON CLADDING HEIGHT.
- g. DESIGN WIND PRESSURE,  $P$  BASED ON  $q_2$  AND ASCE 7-10 INTERNAL AND EXTERNAL PRESSURE COEFFICIENTS, C&C TRIBUTARY WIND AREA, ROOF OR WALL AREA ZONE.
- h. ALLOWABLE STRESS INCREASE FOR WIND LOADING IS NOT PERMITTED.
- i. CLADDING SEISMIC LOADS TO BE IN ACCORDANCE WITH 2012 IBC AND ASCE 7-10.

## C. FOUNDATIONS

1. FOUNDATIONS ARE DESIGNED BASED ON RECOMMENDATIONS CONTAINED IN THE SUBSURFACE INVESTIGATION & FOUNDATION RECOMMENDATIONS REPORT PREPARED BY ALT & WITZIG ENGINEERING, INC. DATED OCTOBER 24, 2025.
2. STEEL COLUMNS ARE TO BE INSTALLED AS DRILLED SHAFTS OR DRIVEN PILES EMBEDDED AND FILLED WITH CONCRETE AS SHOWN IN PLANS AND SECTIONS.
3. ALL FOUNDATION EXCAVATIONS SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE TO VERIFY THAT THE STRUCTURE SUBGRADE MATERIALS ARE SUITABLE AND ARE CONSISTENT WITH THE SUBSURFACE INVESTIGATION & FOUNDATION RECOMMENDATIONS REPORT IDENTIFIED ABOVE. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF THIS REQUIREMENT.

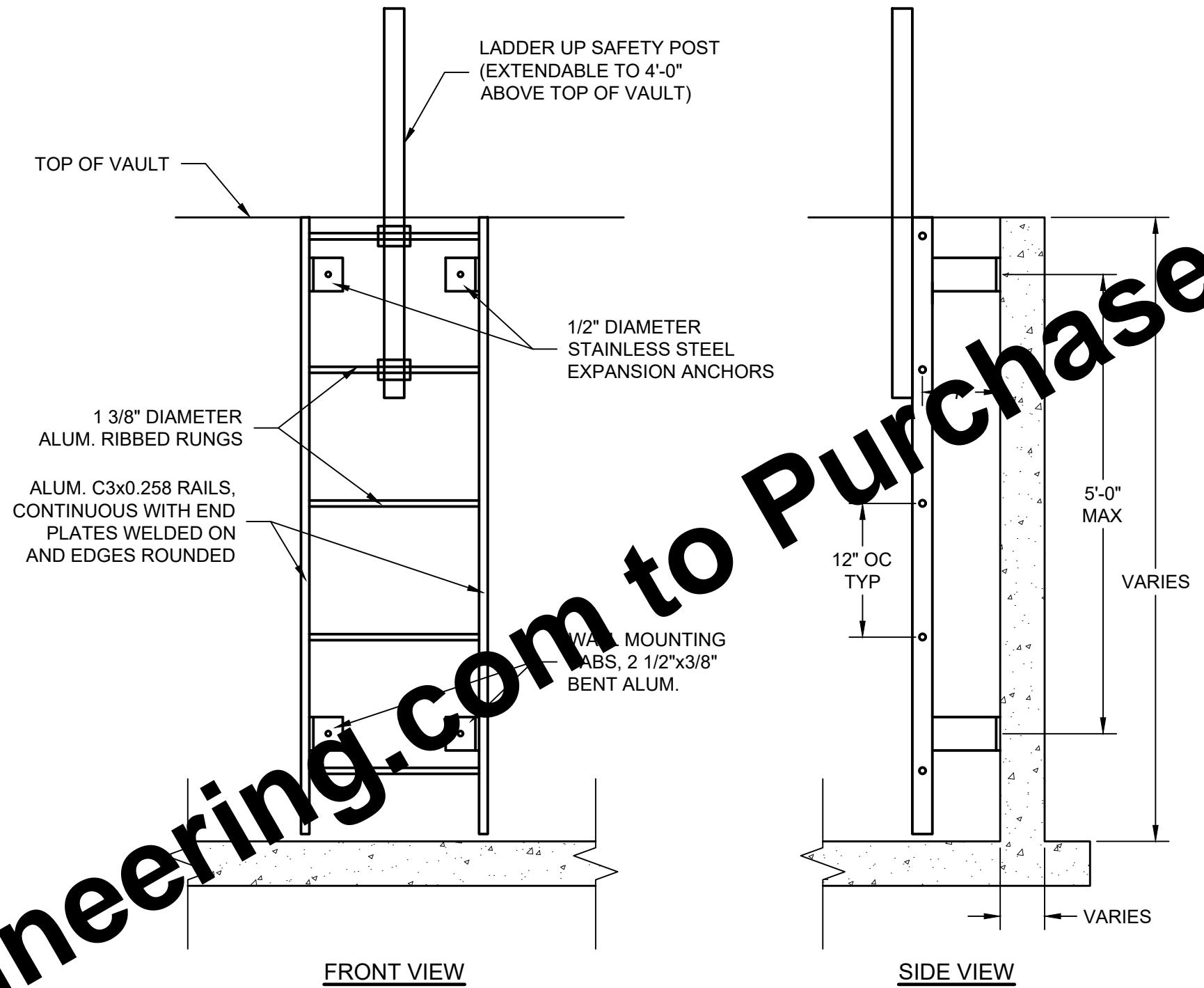
## D. CONCRETE

1. REINFORCING SHALL BE DETAILED ACCORDING TO THE ACI DETAILING MANUAL.
2. STANDEES ARE REQUIRED FOR REIN STEEL SUPPORT BETWEEN MATS IN SLABS.
3. CAST-IN-PLACE CONCRETE SHALL HAVE A MINIMUM ULTIMATE STRENGTH AT 28 DAYS OF 4500 PSI UNLESS OTHERWISE NOTED.
4. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT UNLESS OTHERWISE INDICATED:
  - a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES.
  - b. CONCRETE EXPOSED TO EARTH, WEATHER OR FLUID SURFACES BUT CAST AGAINST FORMS: 2 INCHES.
5. ALL DOWELS SHALL BE THE SAME SIZE AND SPACING AS THE BARS THAT ARE BEING DOWELED OR AS SHOWN ELSEWHERE ON THE DRAWINGS. ALL REINFORCING STEEL SHALL BE DOWELED INTO ADJACENT STRUCTURAL MEMBERS UNLESS SPECIFICALLY EXCEPTED.
6. REINFORCING DETAILS SHOWN REPRESENT MINIMUM REQUIREMENTS. ALTERNATE BUT EQUAL METHODS ARE ACCEPTABLE, BUT THEY SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY THE ENGINEER. SEE SPECIFICATION SECTION 03200 "CONCRETE REINFORCEMENT" FOR SHOP DRAWING REQUIREMENTS.
7. WHERE ONE GRID OF REINFORCING IS REQUIRED IN A WALL OR SLAB, THE GRID SHALL BE CENTERED IN THE ELEMENT, UNLESS OTHERWISE LOCATED IN THE PLANS WITH A CLEAR DISTANCE TO EITHER SIDE OF THE ELEMENT.
8. REINFORCING BARS: BILLET STEEL, DEFORMED BARS TO COMPLY WITH ASTM A615, GRADE 60.
9. WELDABLE REINFORCING BARS: ASTM A706, GRADE 60.
10. WELDED WIRE FABRIC: ASTM A1064.
11. ALL EXPOSED CORNERS SHALL HAVE 3/4 INCH CHAMFER.
12. NO CALCIUM CHLORIDE SHALL BE USED IN CONCRETE.

13. IF CONTRACTOR DESIRES TO INCREASE SLUMP ABOVE ALLOWABLE LIMITS INDICATED IN THE SPECIFICATION TO FACILITATE PLACEMENT OR PUMPING, THIS SHALL BE DONE UTILIZING AN APPROPRIATE APPROVED ADMIXTURE. NO WATER SHALL BE ADDED AT THE PROJECT SITE WITHOUT THE ENGINEER'S APPROVAL. ADMIXTURES ARE TO BE SUBMITTED WITH THE CONCRETE MIX DESIGN AND ARE TO BE APPROVED IN USE. CONCRETE WITH HIGH-RANGE WATER REDUCING ADMIXTURE SHALL HAVE A MAXIMUM SLUMP OF 3 INCHES PRIOR TO ADDING ADMIXTURE. THE CONTRACTOR, IN COLLABORATION WITH THE CONCRETE SUPPLIER, SHALL TAKE APPROPRIATE STEPS TO COMPENSATE FOR THE LOSS OF AIR-ENRAINTMENT DURING PUMPING.
14. WHERE NEW CONCRETE IS DEPOSITED AGAINST CONCRETE THAT IS GREATER THAN 120°F OLD, THOROUGHLY CLEAN EXISTING SURFACE OF LAITANCE AND FOREIGN MATERIAL, AND APPLY BONDING AGENT FOLLOWING RECOMMENDATIONS OF MANUFACTURER.
15. ALL CONCRETE IS REINFORCED UNLESS SPECIFICALLY NOTED AS UNREINFORCED. REINFORCE ALL CONCRETE NOT OTHERWISE SHOWN WITH THE SAME REINFORCING AS IN SIMILAR SECTIONS OR AREAS.
16. MECHANICAL SPLICES, EMBEDDED DOWELS WITH MECHANICAL SPLICES AND DOWEL BAR SUBSTITUTES, SHALL DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING BAR PER ACI REQUIREMENTS. SPECIFIC USE SHALL BE APPROVED BY THE ENGINEER.

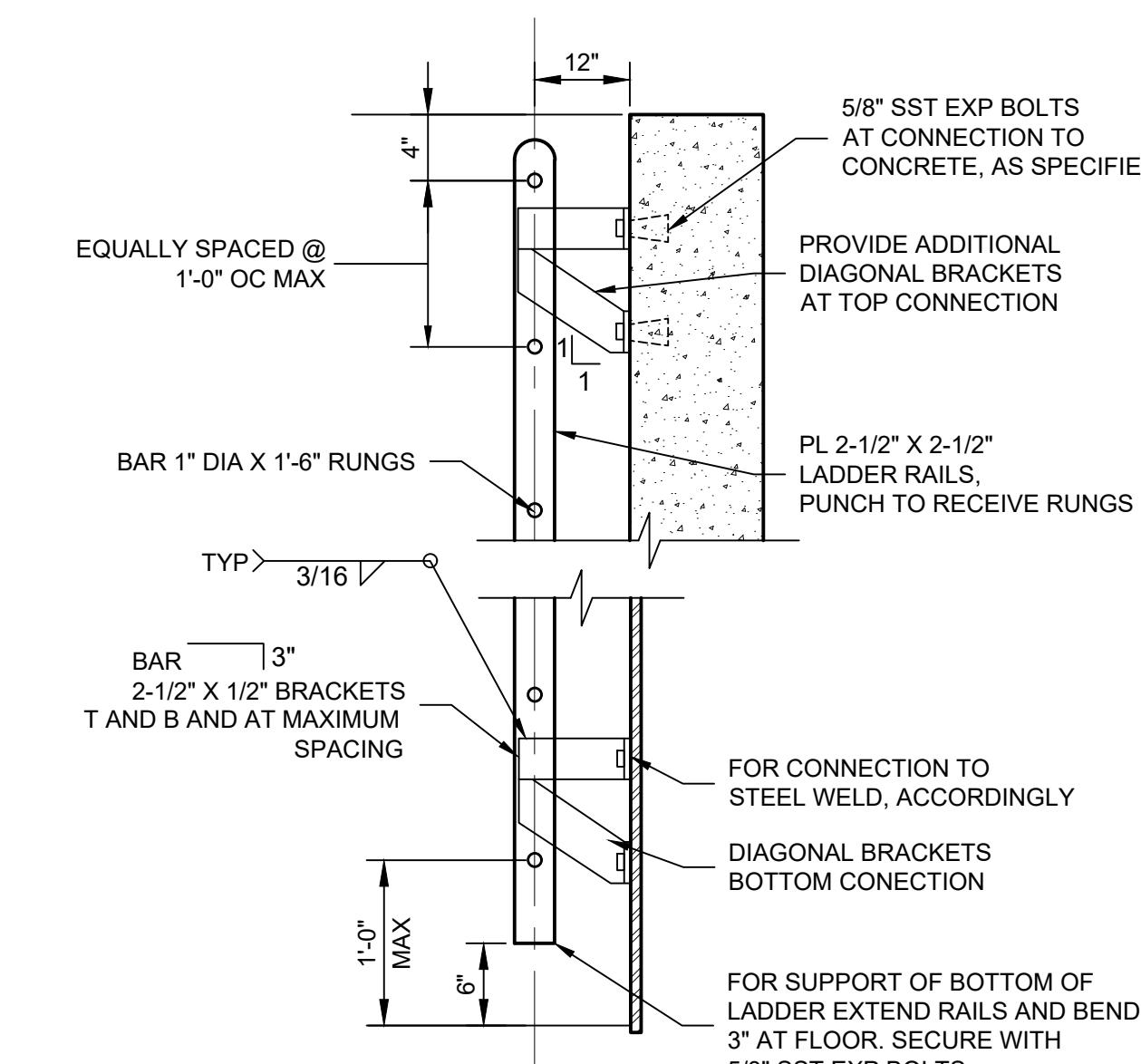
## E. STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL MEET ASTM A992, GRADE 50, EXCEPT AS FOLLOWS:
  - ANGLES AND PLATES SHALL MEET ASTM A36.
  - S SHAPES SHALL MEET ASTM A572, GRADE 50,  $F_y = 50$  KSI.
  - HSS SECTIONS SHALL MEET ASTM A500, GRADE C,  $F_y = 50$  KSI.
  - STEEL PIPE SHALL MEET ASTM A501 OR ASTM A53, GRADE B,  $F_y = 35$  KSI.
  - HEADER STUDS SHALL MEET ASTM A108 TYPE B,  $F_u = 65$  KSI.
  - STAINLESS STEEL: TO ASTM A276, TYPE 304, CLASS A
2. ANCHOR RODS: SHALL CONFORM TO ASTM F1554, GRADE 36.
3. BOLTS, NUTS, AND WASHERS: TO ASTM A325, A563 AND A436 RESPECTIVELY.
4. LEVELED WASHERS REQUIRED FOR S BEAMS AND AT OTHER SLOPED CONNECTION SURFACES.
5. WELDING: AWS STANDARDS AND SPECIFICATIONS.
6. ALL METALS TO BE COATED IN ACCORDANCE WITH SPECIFICATION SECTION 09801



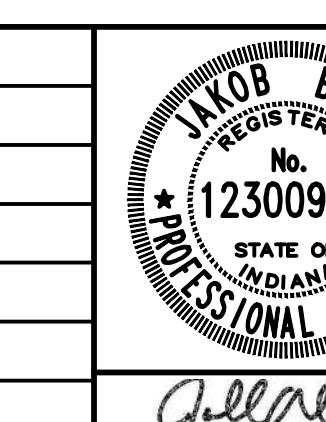
## VAULT LADDER

SCALE: NONE



## PLATFOM LADDER DETAIL

SCALE: NONE



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## GLICK WELLS 6 AND 7

CITY OF LAFAYETTE  
LAFAYETTE, IN

## STANDARD STRUCTURAL DETAILS

SHEET # **14**TOTAL SHEETS **22**

SCALE VERIFICATION	DRAWN BY	JRW	#	DATE	INITIALS	REVISION DESCRIPTIONS
	CHECKED BY	AMS				
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	APPROVED BY	JB				
	ISSUE DATE					
	FEBRUARY 2026					
	PROJECT NUMBER					
273224-04-001						

LIGHTING	
A #	SURFACE/PENDANT MOUNTED LIGHT FIXTURE LETTER DENOTES TYPE, # DENOTES CIRCUIT, SHADING DENOTES EMERGENCY AND/OR NIGHT LIGHT
A #	SURFACE/PENDANT MOUNTED LIGHT FIXTURE LETTER DENOTES TYPE, # DENOTES CIRCUIT, SHADING DENOTES EMERGENCY AND/OR NIGHT LIGHT
A #	RECESS MOUNTED LIGHT FIXTURE LETTER DENOTES TYPE, # DENOTES CIRCUIT, SHADING DENOTES EMERGENCY AND/OR NIGHT LIGHT
A #	RECESS MOUNTED LIGHT FIXTURE LETTER DENOTES TYPE, # DENOTES CIRCUIT, SHADING DENOTES EMERGENCY AND/OR NIGHT LIGHT
A #	H.I.D. OR INCANDESCENT FIXTURE CEILING MOUNTED LETTER DENOTES TYPE, # DENOTES CIRCUIT
A # OR A #	WALL MOUNTED FIXTURE LETTER DENOTES TYPE, # DENOTES CIRCUIT
P	WALL MOUNTED PHOTOCELL
X	CEILING MOUNTED EXIT SIGN
X	WALL MOUNTED EXIT SIGN
V #	EMERGENCY LIGHT FIXTURE # DENOTES CIRCUIT
□	POLE MOUNTED FIXTURE
RECEPTACLE	
# ⊕	DUPLEX RECEPTACLE SUBSCRIPT DENOTES TYPE: UPS DENOTES UNINTERRUPTIBLE POWER SUPPLY # DENOTES CIRCUIT
⊕	SINGLE OUTLET RECEPTACLE
⊕	SPECIAL PURPOSE OUTLET
⊕	MULTI-OUTLET RECEPTACLE SINGLE
⊕	MULTI-OUTLET RECEPTACLE DUPLEX
⊕	240 VOLT RECEPTACLE
PANELS AND BOXES	
JB	JUNCTION BOX
PB	PULL BOX
□	PANEL
HVAC AND FIRE ALARM	
□	FIRE ALARM PULL STATION
□	FIRE ALARM CONTROL PANEL
□	ANNUNCIATOR
□	HORN/LIGHT DEVICE
DD	DUCT DETECTOR
S	SMOKE DETECTOR SUBSCRIPT DENOTES TYPE: Z DENOTES IONIZATION P DENOTES PHOTOELECTRIC T DENOTES THERMAL
T	THERMOSTAT
R	AMBIENT TEMPERATURE TRANSMITTER
□	UNIT HEATER
W #	WALL MOUNTED GAS DETECTION FIXTURE
SWITCHES	
W	WALL SWITCH SUBSCRIPT DENOTES TYPE: NO SUBSCRIPT DENOTES SINGLE POLE 3 DENOTES 3 WAY M DENOTES MANUAL 4 DENOTES 4 WAY MOTOR STARTER
M	MOTOR STARTER
COMBINATION MOTOR STARTER	COMBINATION MOTOR STARTER
DISCONNECT SWITCH	DISCONNECT SWITCH
FUSED DISCONNECT SWITCH	FUSED DISCONNECT SWITCH
JOURLATEL SWITCH	JOURLATEL SWITCH
LOCAL CONTROL STATION	LOCAL CONTROL STATION
SPEED SWITCH	SPEED SWITCH

WIRING	
CONDUIT HOME RUN	CONDUIT EXPOSED
CONDUIT EXPOSED	CONDUIT CONCEALED
CONDUIT CONCEALED	FLEXIBLE CONDUIT
H O A XOO OOX	3-POSITION SELECTOR SWITCH HAND - OFF - AUTO
START	PUSHBUTTON SWITCH N.O. TEXT DENOTES LEGEND PLATE
STOP	PUSHBUTTON SWITCH N.C. TEXT DENOTES LEGEND PLATE
E-STOP	MUSHROOM HEAD EMERGENCY STOP PUSHBUTTON SWITCH N.C. MAINTAINED TEXT DENOTES LEGEND PLATE
STOP L.O.	PUSHBUTTON SWITCH N.C. WITH LOCK-OUT TEXT DENOTES LEGEND PLATE
DISCONNECT SWITCH N.O.	DISCONNECT SWITCH N.O.
DISCONNECT SWITCH N.C.	DISCONNECT SWITCH N.C.
TS	TEMPERATURE SWITCH OR THERMOSTAT N.O. TEXT DENOTES TAG NUMBER
TS	TEMPERATURE SWITCH OR THERMOSTAT N.C. TEXT DENOTES TAG NUMBER
PS	PRESSURE SWITCH N.O. TEXT DENOTES TAG NUMBER
PS	PRESSURE SWITCH N.C. TEXT DENOTES TAG NUMBER
LS	LEVEL SWITCH N.O. TEXT DENOTES TAG NUMBER
LS	LEVEL SWITCH N.C. TEXT DENOTES TAG NUMBER
TR	ON DELAY TIMED SWITCH N.O.T.C. TEXT DENOTES TAG NUMBER
TR	ON DELAY TIMED SWITCH N.C.T.O. TEXT DENOTES TAG NUMBER
TR	OFF DELAY TIMED SWITCH N.O.T.O. TEXT DENOTES TAG NUMBER
TR	OFF DELAY TIMED SWITCH N.C.T.C. TEXT DENOTES TAG NUMBER
TS	TORQUE SWITCH TEXT DENOTES TAG NUMBER
LS	LIMIT SWITCH TEXT DENOTES TAG NUMBER
#	CONTACT (NORMALLY OPEN) # DENOTES COIL NUMBER
#	CONTACT (NORMALLY CLOSED) # DENOTES COIL NUMBER
IT	INDICATOR LIGHT - LETTER DENOTES COLOR
ETM	PUSH-TO-TEST INDICATOR LIGHT LETTER DENOTES COLOR
ETM	ELAPSED TIME METER
SV	SOLENOID VALVE
MECHANICAL INTERLOCK CONNECTION	MECHANICAL INTERLOCK CONNECTION
M XXX	COIL M DENOTES MOTOR STARTER CR DENOTES CONTROL RELAY TR DENOTES TIME DELAY RELAY LC DENOTES LIGHTING CONTACTOR PR DENOTES INTERPOSING PILOT RELAY XXX DENOTES REFERENCE LINE NUMBER

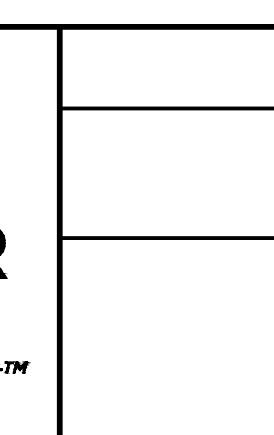
SINGLES	
EXISTING TO REMAIN	EXISTING TO BE DEMOLISHED
NEW	FUTURE
TX-STRUCTURE DESIGNATION XXX KVA 480-120/208V	TRANSFORMER 3P/4W TYPE OF TRANSFORMER
50	PROTECTIVE RELAY, NUMBER DENOTES IEEE DEVICE FUNCTION
1200A 52	MEDIUM VOLTAGE DRAWOUT CIRCUIT BREAKER
100 A	FUSE
XXA	DRAWOUT POWER CIRCUIT BREAKER
XXA	MOLDED CASE CIRCUIT BREAKER
600:5A (3)	CURRENT TRANSFORMER NUMBER DENOTES QUANTITY
480-120V (3)	POTENTIAL TRANSFORMER NUMBER DENOTES QUANTITY
30 3W ATS	AUTOMATIC OR MANUAL TRANSFORMER SWITCH
800A	MOTOR NUMBER DENOTES HORSEPOWER
XXKW 480V,30A,4W	GENERATOR XX NUMBER DENOTES REQUIRED KW RATING AND VOLTAGE

SINGLES, CONT'D.	
X%	LINE REACTOR X% NUMBER DENOTES PERCENT IMPEDANCE
→ +	CAPACITOR
V VS	VOLTMETER AND SWITCH
ST	SHUNT TRIP
TVSS	SURGE PROTECTION DEVICE
□	LIGHTNING ARRESTOR
K	KIRK-KEY INTERLOCK
MPU #	MINI POWER UNIT
VFD	VARIABLE FREQUENCY DRIVE

ABBREVIATIONS		
A	AMPERE(S)	MANUFACTURER SUPPLIED (EX. MAN-CP)
ACU	AIR CONDITIONING UNIT	MAU MAKEUP AIR UNIT
AE	ANALYTICAL SENSOR	MCC MOTOR CONTROL CENTER
AF	AMP FRAME	MH MANHOLE
AFF	ABOVE FINISHED FLOOR	MOL MOTOR OPERATED LOUVER
AHU	AIR HANDLING UNIT	MPU MINI POWER UNIT
AIT	ANALYTICAL INDICATOR TRANSMITTER	MV MEDIUM VOLTAGE
AM	AMMETER	N NEUTRAL
AMP	AMPERE(S)	NA NOT APPLICABLE
AT	AMP TRIP	NC NORMALLY CLOSED
ATL	ACROSS THE LINE (STARTER)	NEC NATIONAL ELECTRICAL CODE
ATS	AUTOMATIC TRANSFER SWITCH	NET NETWORK (PANEL)
AUX	AUXILIARY	NF NON-FUSED
AWG	AMERICAN WIRE GAUGE	NFSS NON-FUSED SAFETY SWITCH
BKR	BREAKER	NO. NORMALLY OPEN
BLDG	BUILDING	NTS NOT TO SCALE
C	CONDENSER	OL OVERLOAD
C	CIRCUIT BREAKER	PB PUSHBUTTON
CKT	CIRCUIT	PLC PROGRAMMABLE LOGIC CONTROLLER
CMS	COMBINATION MOTOR STARTER	PM POWER METER/MONITOR
CP	CONTROL PANEL	PNL PANEL
CR	CORROSION RESISTANT	PP POWER PANEL
CU	COPPER	RCPT RECEPTACLE
DF	DUCT FAN	RGS RIGID GALVANIZED STEEL
DH	DUCT HEATER	RIO REMOTE INPUT/OUTPUT
DISC	DISCONNECT	R/S RING SWITCH
EF	EXHAUST FAN	RVSS REDUCED VOLTAGE SOFT STARTER
ELEV	ELEVATION	RVAT REDUCED VOLTAGE AUTOTRANSFORMER
EMH	ELECTRICAL MANHOLE	SF SUPPLY FAN
EMT	ELECTRICAL METALLIC TUBING	SHLD SHIELDED
EQUIP	EQUIPMENT	SOL SOLENOID
EXP	EXPLOSION PROOF	SP SINGLE POLE
F	FUSED OR FUSE	SPD SURGE PROTECTIVE DEVICE
FE	FLOW SENSOR	SST STAINLESS STEEL
FIT	FLOW INDICATING TRANSMITTER	STR STARTER
FLA	FULL LOAD AMPS	SW SWITCH
FOPP	FIBER OPTIC PATCH PANEL	SWBD SWITCHBOARD
FVNJR	FULL VOLTAGE (NON) REVERSING	SWGR SWITCHGEAR
G	GROUND	TB TERMINAL BOX
GEN	GENERATOR	TPS TWISTED PAIR SHIELDED
GF	GROUND FAULT	TYP TYPICAL
GF(C)I	GROUND FAULT (CIRCUIT) INTERRUPTER	UGE UNDERGROUND ELECTRICAL
HH-(P/C)	HANDHOLE (POWER/CONTROLS)	UGT UNDERGROUND TELEPHONE
HOA	HAND-OFF-AUTOMATIC	UGCC UNDERGROUND CONTROLS CABLE
HOR	HAND-OFF-REMOTE	UGF UNDERGROUND FIBER
HP	HORSEPOWER	UH UNIT HEATER
JB	JUNCTION BOX	UL UNDERWRITERS LABORATORIES
KV	KILOVOLTS	UNO UNLESS NOTED OTHERWISE
KVA	KILOVOLTS AMPS	V VOLTS
KVAR	KILOVAR	VFD VARIABLE FREQUENCY DRIVE
KW	KILOWATTS	VM VOLTMETER
LCP	LOCAL CONTROL PANEL	VS VOLTMETER SWITCH
LCS	LOCAL CONTROL STATION	W WIRE/WATT
LE	LEVEL SENSOR	WH WATER HEATER
LIT	LEVEL INDICATING TRANSMITTER	WP WEATHERPROOF
LOR	LOCAL-OFF-REMOTE	XFMR TRANSFORMER
LP	LIGHTING PANEL	
LTG	LIGHTING	
LV	LOW VOLTAGE	

## GENERAL NOTES:

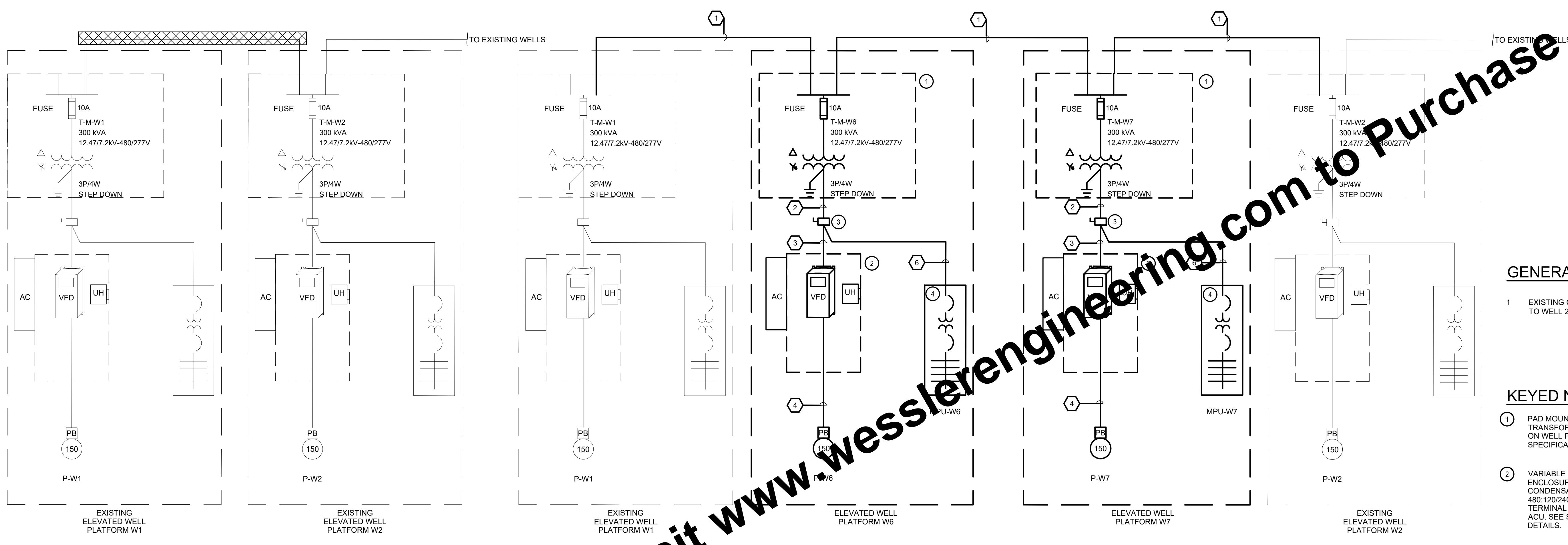
- 1 PROVIDE SPARES AND SPARE EQUIPMENT AS OUTLINED IN SPECIFICATIONS.
- 2 CONDUIT AND WIRE BETWEEN DEVICES (SUCH AS VERTICAL TURBINE PUMP MOTOR THERMOSTATS OR DISCONNECT AUX. CONTACTS) AND POWER EQUIPMENT (SUCH AS VFD'S AND MOTOR STARTERS) WHERE NOT EXPLICITLY SHOWN SHALL BE #14, CONDUIT SIZE TO FOLLOW THE REQUIREMENTS SET FORTH IN THE NEC, 3/4" MINIMUM EXPOSED, 1" MINIMUM BURIED.
- 3 CONTRACTOR RESPONSIBLE FOR INFORMING THE ENGINEER DURING CONSTRUCTION OF ANY CONDITIONS ON SITE WHICH MAY PREVENT ANY ASPECT OF THE INSTALLATION FROM MEETING THE REQUIREMENTS SET FORTH IN THE NEC. SPECIAL CARE SHALL BE TAKEN WITH REGARDS TO CONDUIT FILL, CLEARANCE, JUNCTION/PULL BOX, AND CIRCUIT DISCONNECTING MEANS REQUIREMENTS.
- 4 ALL CONTROL PANELS AND LOCAL STATIONS NOT EXPLICITLY INDICATED TO HAVE A DISCONNECT SWITCH MOUNTED ADJACENT TO THE PANEL SHALL HAVE A MAIN CIRCUIT BREAKER WITH THRU PANEL OPERATOR WHICH SHALL BE LOCKABLE AND INTERLOCKED WITH THE PANEL DOOR AS NEEDED TO MEET THE REQUIREMENTS OF THE NEC.
- 5 CONTRACTOR RESPONSIBLE FOR ALL CONDUIT AND WIRE BETWEEN MECHANICAL EQUIPMENT (INCLUDING BUT NOT LIMITED TO UNIT HEATERS, EXHAUST FANS AND AIR CONDITIONING UNITS) AND CONTROLLERS (INCLUDING BUT NOT LIMITED TO MOTOR STARTERS, THERMOSTATS AND MOTOR OPERATED LOUVERS). FOR BID PURPOSES THIS IS TO BE 1", #4, #14G BETWEEN EACH PIECE OF EQUIPMENT AND CONTROLLER.
- 6 MANUFACTURER EQUIPMENT SHOWN FOR BIDDING PURPOSES ONLY. FINAL WIRING LIST TO BE PROVIDED BY EQUIPMENT SUPPLIER IN SHOP DRAWING SUBMITTAL. CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL WIRING AND CONDUIT BETWEEN THE MANUFACTURER'S CONTROL PANELS AND THE EQUIPMENT PROVIDED BY THE MANUFACTURER.

  
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**GLICK WELLS 6 AND 7**  
CITY OF LAFAYETTE  
LAFAYETTE, IN  
**ELECTRICAL LEGEND**

SHEET #  
**15**  
TOTAL SHEETS  
**22**

SCALE VERIFICATION	DRAWN BY	JAP	#	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	WCM					
ISSUE DATE	WCM					
FEBRUARY 2026						
PROJECT NUMBER						
273224-04-001						



DEMO ONE-LINE DIAGRAM

SCALE: NONE

MODIFIED ONE-LINE DIAGRAM

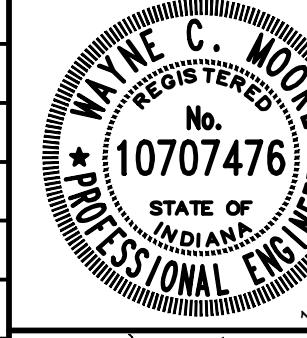
SCALE: NONE

PANEL SCHEDULE		DESIGNATION: MPU-W6				MAINS: 80 AMP MAIN CIRCUIT BREAKER						
		LOCATION: WELL 6				BUS SIZE: 125 AMP						
		VOLTAGE: 120/240 V AC				PANEL MOUNTING: SURFACE						
		PHASE: 1 PHASE, 3 WIRE				ALL BREAKERS: 10000 A.I.C. (MINIMUM)						
CKT. NO.	LOAD DESCRIPTION	#	KVA	CKT. BKR.	KVA	CKT. BKR.	KVA	#	LOAD DESCRIPTION	CKT. NO.		
				AMPS	POLE	AMPS	POLE					
1	MAIN FEED			80	2	20	1		SPARE	2		
3				0.00		20	1		SPARE	4		
5	RIO-W6	5	0.50	20	1	20	1	0.50	RECEPTS & LIGHT	6		
7	CATH. PROT.	5	0.50	20	1	0.50	20	1	SPARE	8		
9	RTT-702	5	0.50	20	1	1.00	20	1	0.50	LADDER LIGHTS	10	
11	SPARE		0	1		0.00	20	1	SPARE	12		
13	SPARE		1	0.00		20	1		SPARE	14		
15	SPARE		1	0.00		20	1		SPARE	16		
17	SPARE		20	1	0.00	20	1		SPARE	18		
19	SPARE		20	1	0.00	20	1		SPARE	20		
21	SPARE		20	1	0.00	20	1		SPARE	22		
23	SPARE		20	1	0.00	20	1		SPARE	24		
TOTAL CONNECTED LOAD				2.00	0.50	TOTAL = 2.50 KVA						
# ONE (1) OR TWO (2) DIGIT NUMBERS REFER TO CONDUIT & WIRE SCHEDULE ON THIS SHEET.												
1-pole 20A breakers, 1 2-pole 80A breaker												

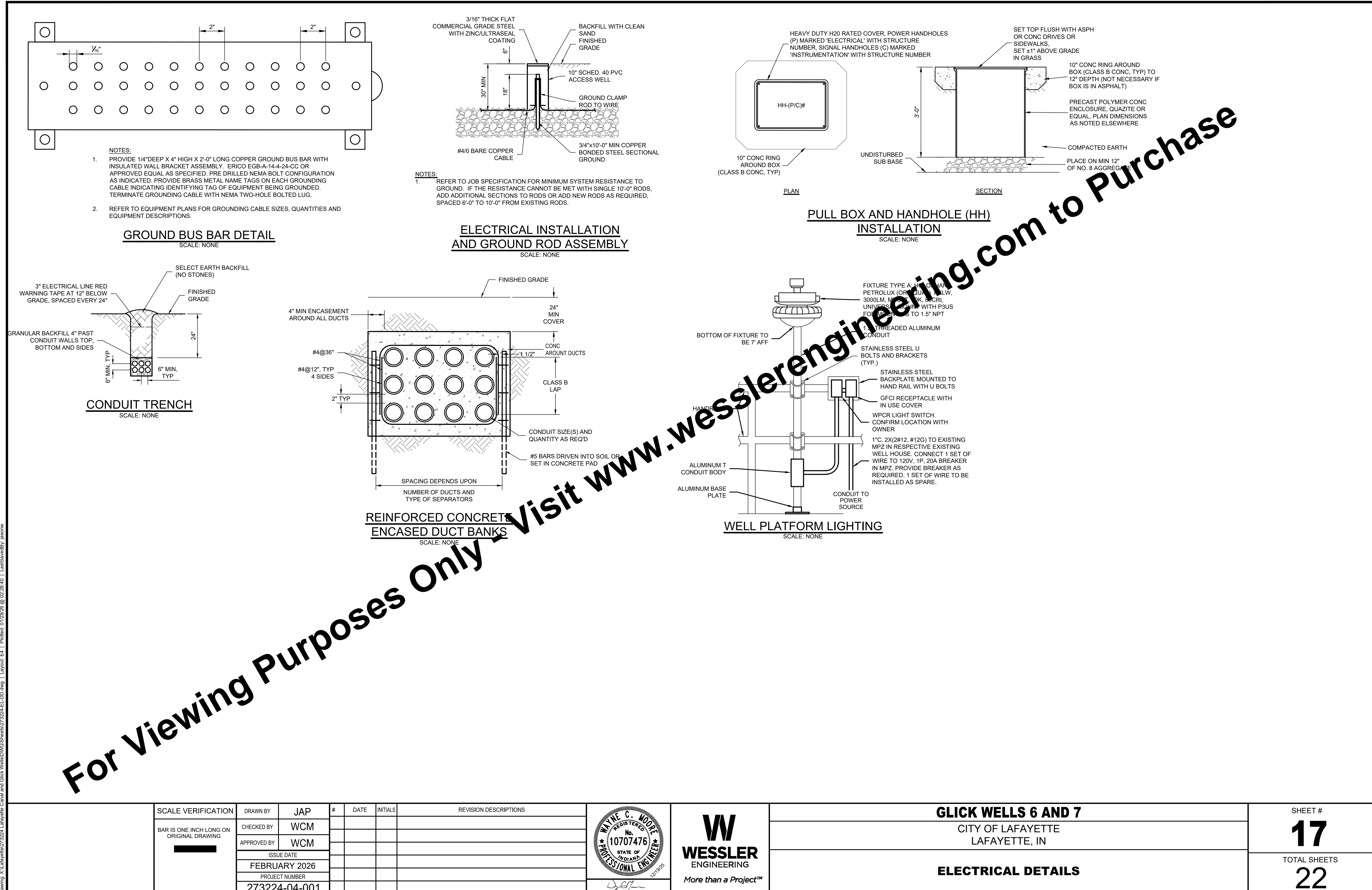
PANEL SCHEDULE		DESIGNATION: MPU-W7				MAINS: 80 AMP MAIN CIRCUIT BREAKER						
		LOCATION: WELL 7				BUS SIZE: 125 AMP						
		VOLTAGE: 120/240 V AC				PANEL MOUNTING: SURFACE						
		PHASE: 1 PHASE, 3 WIRE				ALL BREAKERS: 10000 A.I.C. (MINIMUM)						
CKT. NO.	LOAD DESCRIPTION	#	KVA	CKT. BKR.	KVA	CKT. BKR.	KVA	#	LOAD DESCRIPTION	CKT. NO.		
				AMPS	POLE	AMPS	POLE					
1	MAIN FEED					20	1		SPARE	2		
3						0.00			SPARE	4		
5	RIO-W7	5	0.50	20	1	0.50	20	1	0.50	5		
7	CATH. PROT.	5	0.50	20	1	0.50	20	1	SPARE	8		
9	RTT-702	5	0.50	20	1	1.00	20	1	0.50	10		
11	SPARE		20	1	0.00	20	1		SPARE	12		
13	SPARE		20	1	0.00	20	1		SPARE	14		
15	SPARE		20	1	0.00	20	1		SPARE	16		
17	SPARE		20	1	0.00	20	1		SPARE	18		
19	SPARE		20	1	0.00	20	1		SPARE	20		
21	SPARE		20	1	0.00	20	1		SPARE	22		
23	SPARE		20	1	0.00	20	1		SPARE	24		
TOTAL CONNECTED LOAD				2.00	0.50	TOTAL = 2.50 KVA						
# ONE (1) OR TWO (2) DIGIT NUMBERS REFER TO CONDUIT & WIRE SCHEDULE ON THIS SHEET.												
22 1-pole 20A breakers, 1 2-pole 80A breaker												

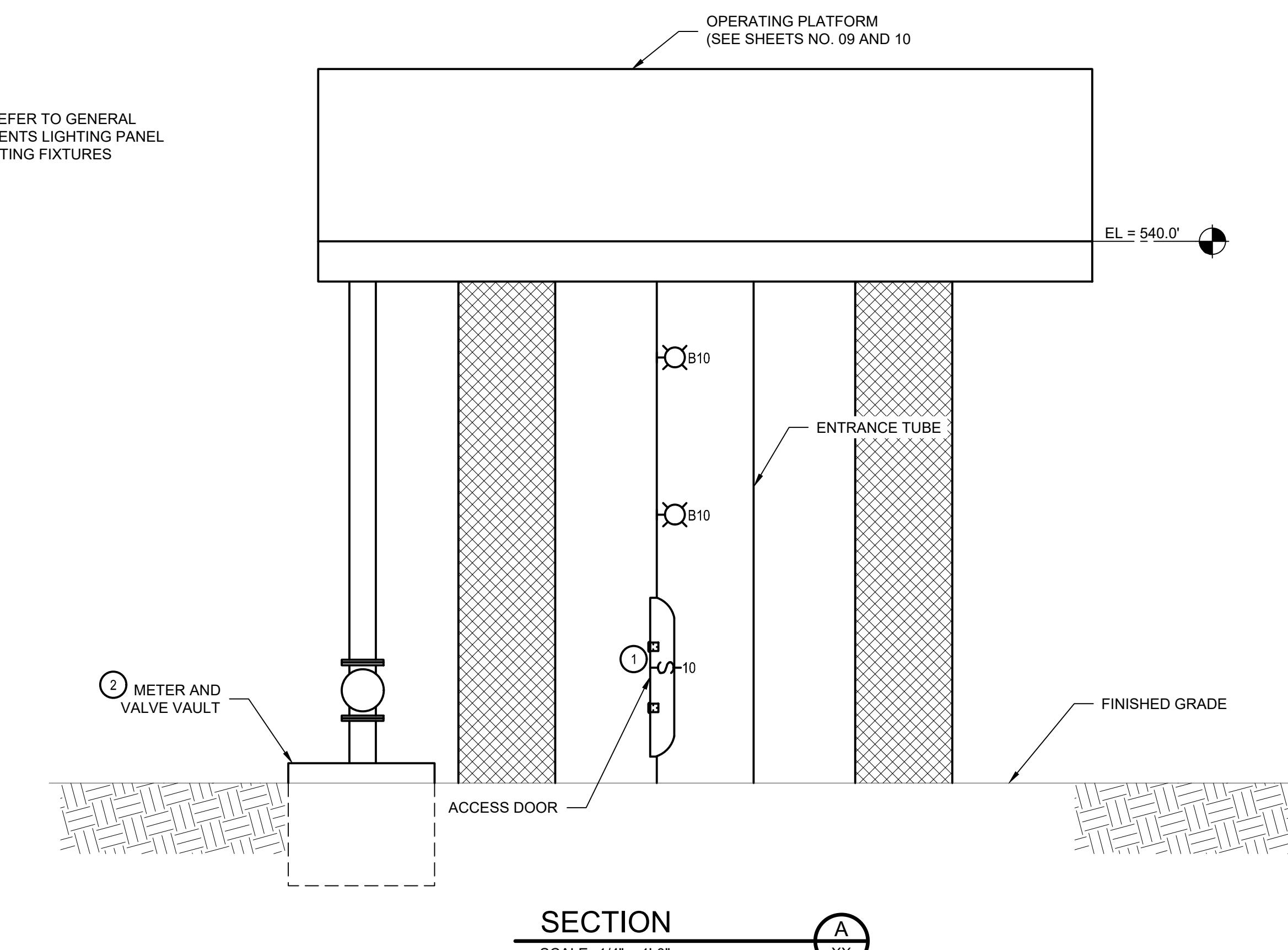
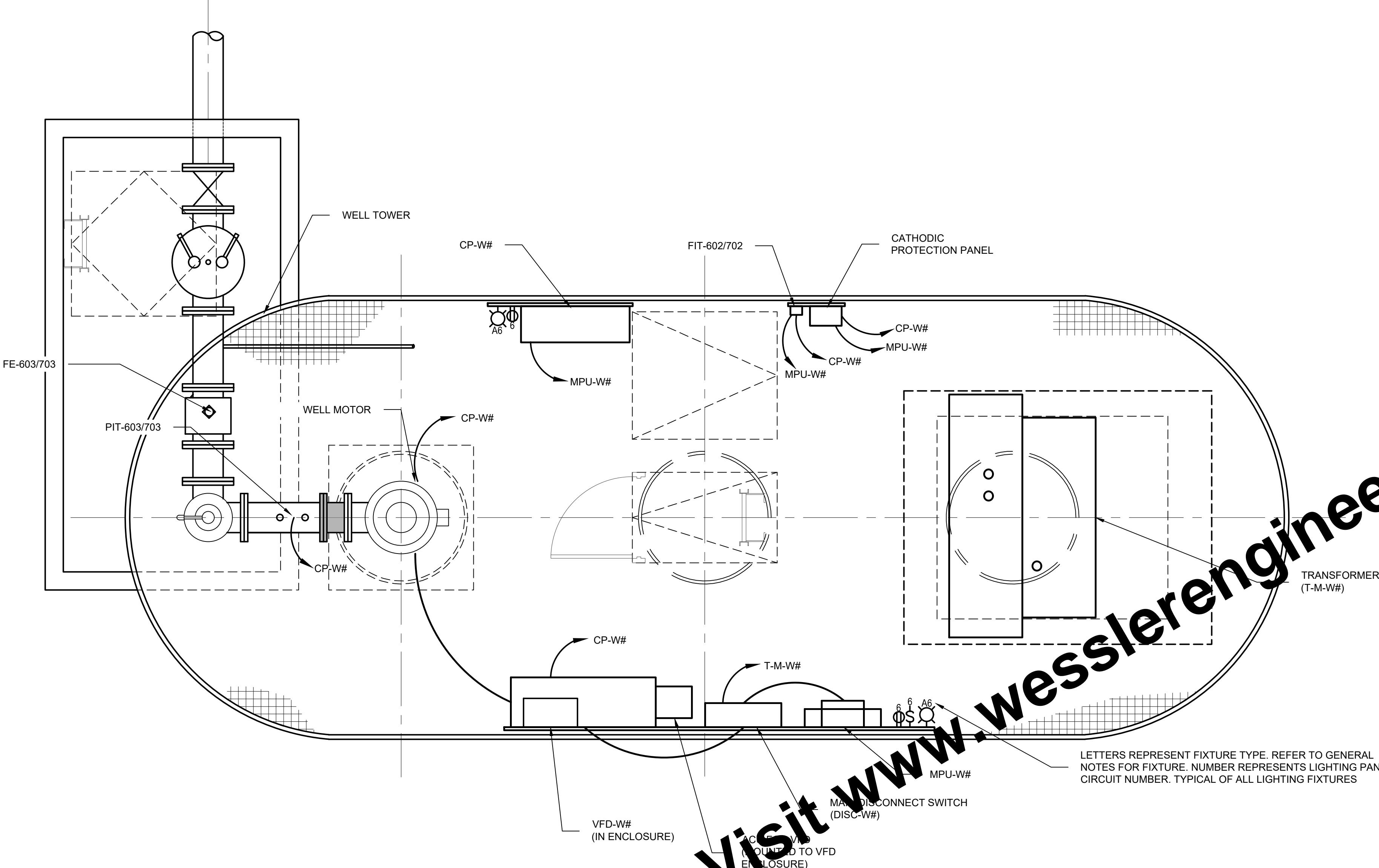
**CONDUIT AND WIRE:**

- ① 4" C, 4#10, #8G, 15KV MV CABLE
- ② 2 - 3" C, 3#250, #3G
- ③ 4" C, 3#3/0, #3G
- ④ 4" C, 3#3/0, #3G - XHHW
- ⑤ 1" C, 1#12, #12N, #12G
- ⑥ 2" C, 3#1, #6G

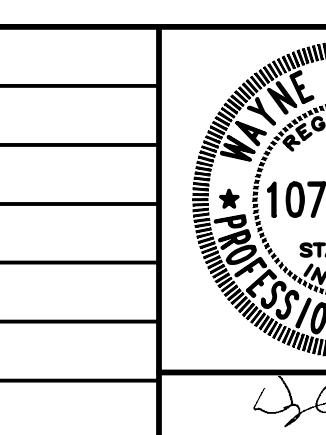
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**22**





SCALE VERIFICATION		DRAWN BY	JAP	#	DATE	INITIALS	REVISION DESCRIPTIONS	
BAR IS ONE INCH LONG ON ORIGINAL DRAWING		CHECKED BY	WCM					
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273224-04-001								



## GLICK WELLS 6 AND 7

CITY OF LAFAYETTE  
LAFAYETTE, IN

## ELECTRICAL DETAILS

SCALE #  
**18**

TOTAL SHEETS  
**22**

## GENERAL NOTES:

- 1 FIXTURE TYPE A: HOLOPHANE PETROLUX (OR EQUAL), 2XLW, 3000LM, MVOLT, 40K, 80CRI, UNIVERSAL MOUNT WITH P3US FOR MOUNTING TO 1.5" NPT
- 2 FIXTURE TYPE B: HOLOPHANE HEXF (OR EQUAL), P1, MV, 40K, WG, BK WITH WALL/FLOOD MOUNTING
- 3 ALL RECEPTACLES TO BE GFCI, WEATHER-RESISTANT, CORROSION-RESISTANT, WITH AN IN-USE COVER.

## KEYED NOTES:

- 1 LADDER LIGHT SWITCH TO BE MOUNTED NEXT TO ACCESS DOOR, 4' ABOVE FINISHED FLOOR, LIGHT SWITCH TO BE NEMA 1 RATED.
- 2 FLOW METER FE-602 AND FE-702, SHALL HAVE HOMERUNS TO FIT-602 AND FIT-702. REFER TO SHEET 21 FOR MORE INFORMATION.

#### VALVE SYMBOLS

	ECCENTRIC PLUG
	THREE - WAY
	BUTTERFLY
	BALL
	GLOBE
	PRESSURE RELIEF
	AIR RELEASE AND VACUUM RELIEF
	GATE
	KNIFE GATE
	CONSTANT VOLUME FLOW REGULATOR
	MUD
	BALL CHECK
	SWING CHECK
	SPLIT DISC CHECK
	REGULATED SIDE PRESSURE CONTROL
	PINCH
	DIAPHRAGM
	NEEDLE
	CALIBRATED BALANCE
	SOLENOID

#### GATE SYMBOLS

	SLUICE GATE
	WEIR GATE
	SLIDE GATE
	STOP GATE
	FLAP GATE
	WEIR AND STOP GATE

#### VALVE AND GATE POWER ACTUATOR SYMBOLS

	ELECTRIC MOTOR
	ELECTRIC MOTOR WITH POSITIONER
	HYDRAULIC WITH POSITIONER
XX: FC = FAIL CLOSED FIP = FAIL INTERMEDIATE POSITION FIP = FAIL TO LAST POSITION FO = FAIL OPEN	
	PNEUMATIC WITH POSITIONER
	PNEUMATIC WITH SOLENOID

NOTE: XX = FAIL POSITION ON LOSS OF PRIMARY POWER  
(PNEUMATIC OR ELECTRICAL)

#### FLOW ELEMENTS SYMBOLS

	WEIR PLATE
	PARSHALL FLUME
	ROTAMETER
	PROPELLER OR TURBINE METER
	ORIFICE METER
	CLAMP ON ULTRASONIC FLOWMETER
	MAGNETIC FLOWMETER
	VENTURI OR FLOW TUBE
	AREA VELOCITY FLOWMETER

#### MISCELLANEOUS SYMBOLS

	HARDWIRED INTERLOCK SEE SPECIFICATION
	MICROPROCESSOR BASED INTERLOCK SEE SPECIFICATION
	OR
	AND
	NOT
	OR
	AND
	NOT

	ORTHO PHOSPHATE ELEMENT
	SUBMERSIBLE MIXER
	PROBE
	AIR COMPRESSOR
	ELECTRIC MOTOR
	FLOATING MIXER
	MANUAL SAMPLE PORT
	FLAME TRAP AND THERMAL SHUTOFF ASSEMBLY
	AUTOMATIC DRAIN
	BLIND FLANGE OR CLEAN OUT
	AIR GAP
	MANUAL DRIP TRAP
	STRAINER
	DIAPHRAGM SEAL
	ANNULAR SEAL
	FLUSHING WATER CONNECTION
	SECTOR
	FLOW STRAIGHTENING VANE
	AUTOMATIC SAMPLER
	CALIBRATION CHAMBER
	DIFFUSER
	BUBBLER LEVEL ELEMENT
	VENT
	RUPTURE DISK
	SELF CONTAINED AIR SUPPLY
	PURGE SET X: W = WATER A = AIR

	SUBMERSIBLE PRESSURE
	NON-CONTACT RADAR
	ULTRASONIC
	CAPACITANCE FLOAT STICK
	FLOAT

#### PUMP AND COMPRESSOR SYMBOLS

	SUBMERSIBLE PUMP
	COMPRESSOR (PISTON)
	CENTRIFUGAL BLOWER
	CHEMICAL FEED PUMP
	PLUNGER PUMP
	CENTRIFUGAL PUMP (DRYER)
	VERTICAL TURBINE PUMP
	DIAPHRAGM PUMP
	PROGRESSING CAVITY PUMP
	LOBE PUMP, BLOWER OR COMPRESSOR (POSITIVE DISPLACEMENT)
	PERISTALTIC PUMP

#### FLOW STREAM IDENTIFIERS

SEE PROCESS - MECHANICAL LEGEND

#### INPUTS AND OUTPUTS TO PLC OR DISTRIBUTED CONTROL

	ANALOG INPUT
	ANALOG OUTPUT
	PULSE INPUT
	PULSE OUTPUT
	DIGITAL INPUT
	DIGITAL OUTPUT

NOTE:  
X = TOTAL NUMBER OF SIGNALS WHERE MORE THAN ONE SIGNAL IS REQUIRED.  
IF QUANTITY IS NOT SHOWN THEN ONE SIGNAL IS REQUIRED.

#### GENERAL NOTE:

1. THIS IS A STANDARD LEGEND. NOT ALL THE INFORMATION SHOWN ON THIS LEGEND IS USED IN THESE CONTRACT DRAWINGS.

#### GLICK WELLS 6 AND 7

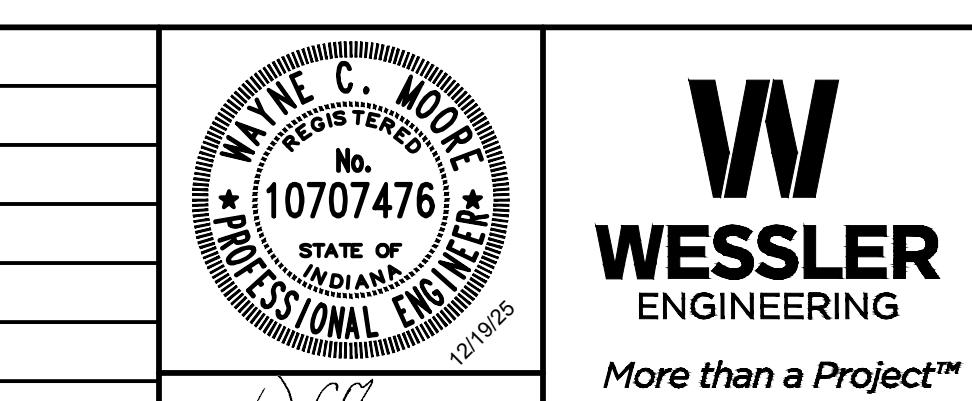
CITY OF LAFAYETTE

LAFAYETTE, IN

#### P&ID LEGEND

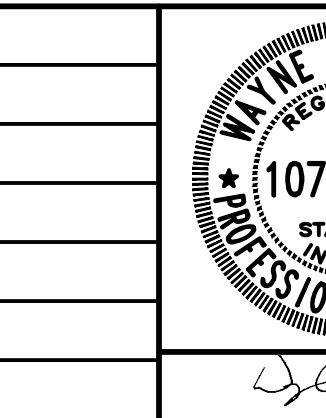
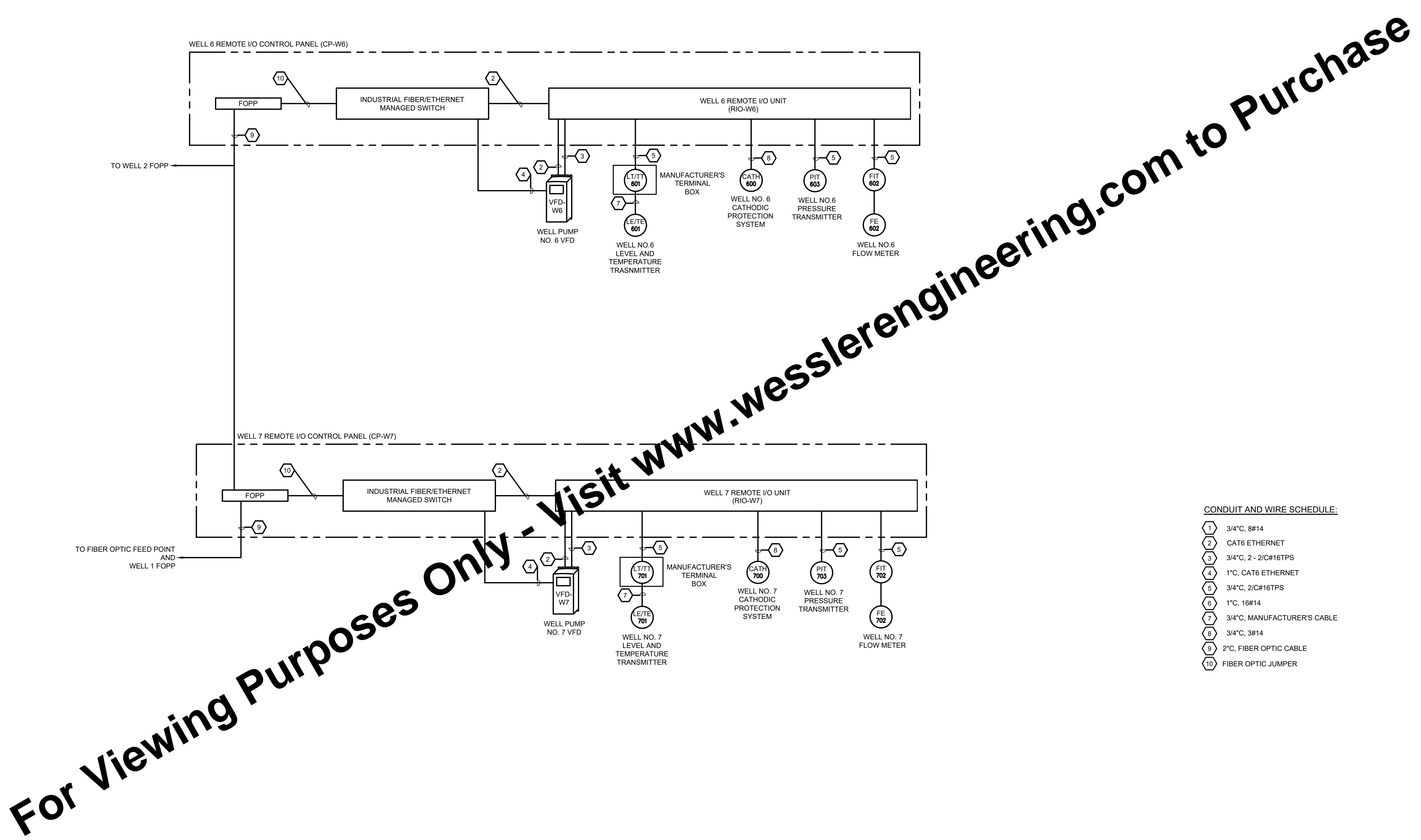
SHEET #  
**19**

TOTAL SHEETS  
**22**



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SCALE VERIFICATION	DRAWN BY	JAP	#	DATE	INITIALS	REVISION DESCRIPTIONS	WAYNE C. MOORE PROFESSIONAL ENGINEER No. 10707476 STATE OF INDIANA 12/19/25	WESSLER ENGINEERING More than a Project™	GLICK WELLS 6 AND 7 CITY OF LAFAYETTE LAFAYETTE, IN	SHEET #
BAR IS ONE INCH LONG ON ORIGINAL DRAWING	CHECKED BY	BDP								20
	APPROVED BY	WCM								
	ISSUE DATE									
	FEBRUARY 2026									
	PROJECT NUMBER									
273224-04-001										
									P&ID	TOTAL SHEETS 22



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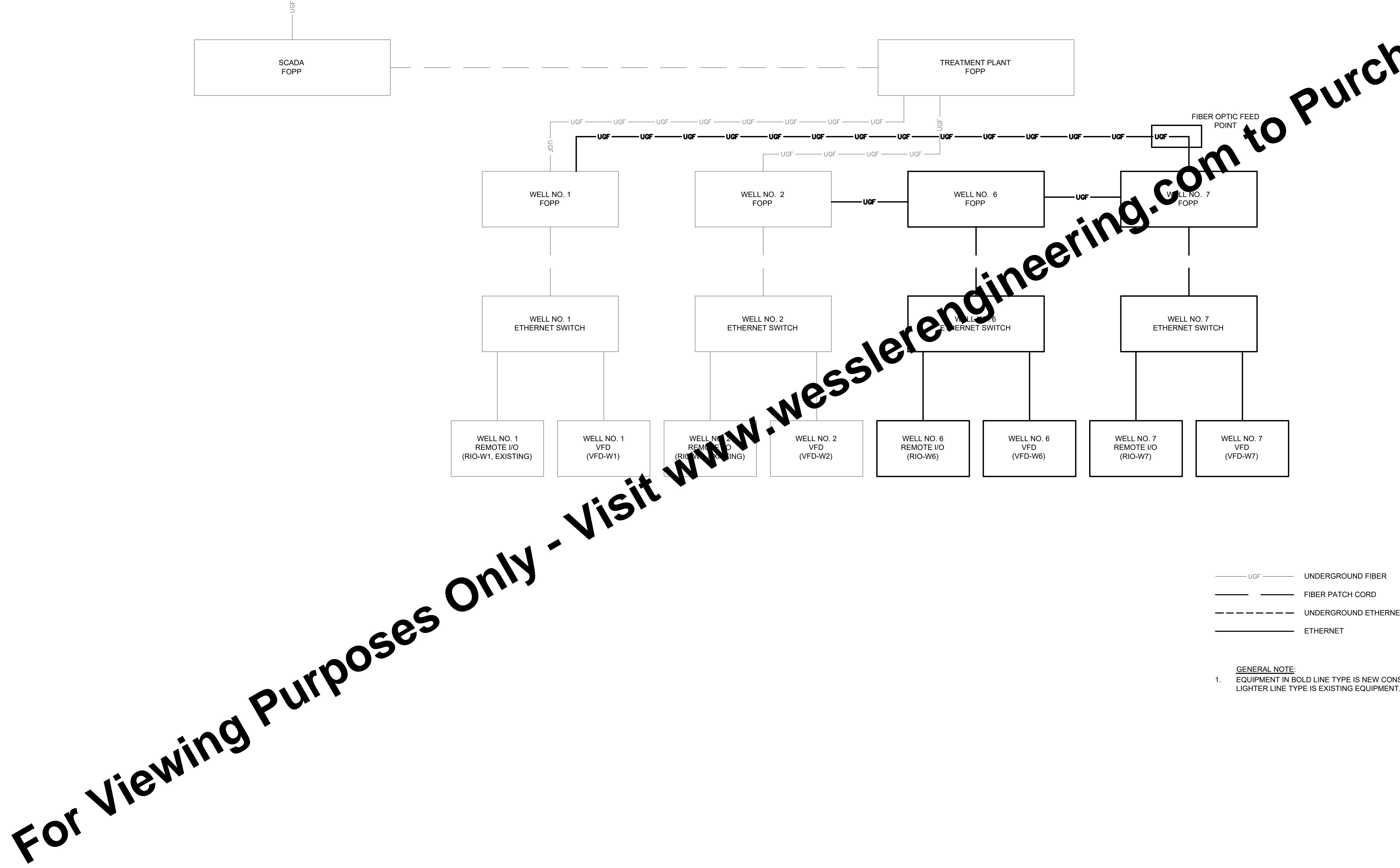
## GLICK WELLS 6 AND 7

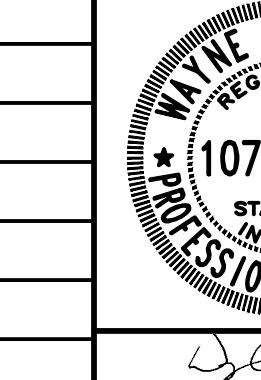
CITY OF LAFAYETTE  
LAFAYETTE, IN

CONTROL ONE-LINE DIAGRAM

SHEET #  
**21**

TOTAL SHEETS  
**22**



SCALE VERIFICATION	DRAWN BY	JAP	#	DATE	INITIALS	REVISION DESCRIPTIONS	 <b>WESSLER</b> ENGINEERING More than a Project™	<b>GLICK WELLS 6 AND 7</b> CITY OF LAFAYETTE LAFAYETTE, IN	SHEET #
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