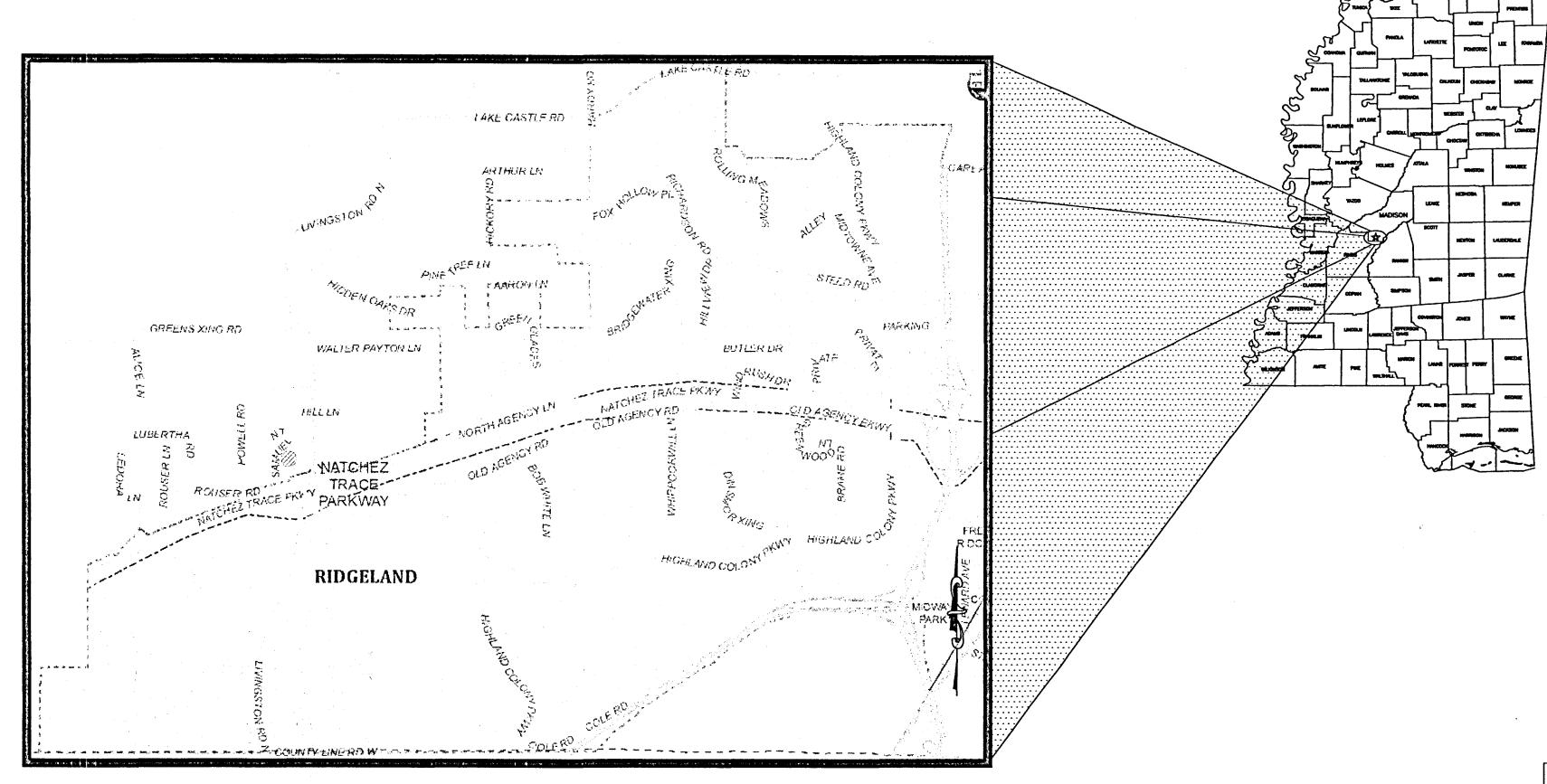


SAMUELS LANE WATER SUPPLY WELL CITY OF RIDGELAND, MISSISSIPPI

····	INDEX TO DRAWINGS
SHEET NO.	SHEET TITLE
G1.0	COVER SHEET
C1.0	EXISTING SITE LAYOUT
C2.0	PROPOSED SITE LAYOUT
WD1.0	WELL SECTION & DETAILS
S1.0	WELL BUILDING STRUCTURAL DETAILS
A1.0	WELL BUILDING ARCHITECTURAL DETAILS
M1.0	MECHANICAL FLOOR PLAN
M2.0	CHEMICAL FEED SCHEMATIC DIAGRAM & DETAILS
E1.0	ELECTRICAL FLOOR PLAN
E2.0	ELECTRICAL LEGEND, PANEL SCHEDULE, AND DETAILS
E3.0	MOTOR CONTROL CENTER DETAILS
E4.0	GENERATOR DETAILS
CD1.0	CONSTRUCTION DETAILS
CD2.0	CONSTRUCTION DETAILS
CD3.0	CONSTRUCTION DETAILS
CD4.0	CONSTRUCTION DETAILS
CD5.0	CONSTRUCTION DETAILS
CD6.0	CONSTRUCTION DETAILS



VICINITY MAP NOT TO SCALE

NOVEMBER 2014

UTILITIES:

TELPAK NETWORKS - FIBER OPTIC - 601.487.7196 (business)

ATMOS ENERGY - GAS - 601.991.2388 (locate service)

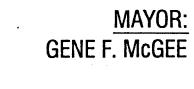
ENTERGY MISSISSIPPI, INC. - ELECTRIC - 601.991.2388 (locate service), 601.351.4119 (substation)

COMCAST - CABLE - 601.991.2388 (locate service)

AT&T - PHONE - 601.991.2388 (locate service)

CITY OF RIDGELAND - WATER & SEWER - 601.853.2027 (business)

PWP-0154



BOARD OF ALDERMAN:

D.I. SMITH, AT-LARGE KEN HEARD, WARD 1 CHUCK GAUTIER, WARD 2 KEVIN HOLDER, WARD 3 BRIAN RAMSEY, WARD 4 SCOTT JONES, WARD 5

PUBLIC WORKS DIRECTOR: MIKE McCOLLUM

WESLEY HAMLIN, WARD 6

RECORD DRAWINGS
SUCSTANTIALLY COMPLETE:
FEBRUARY 6, 2017

SAMUELS LANE WATER SUPPLY

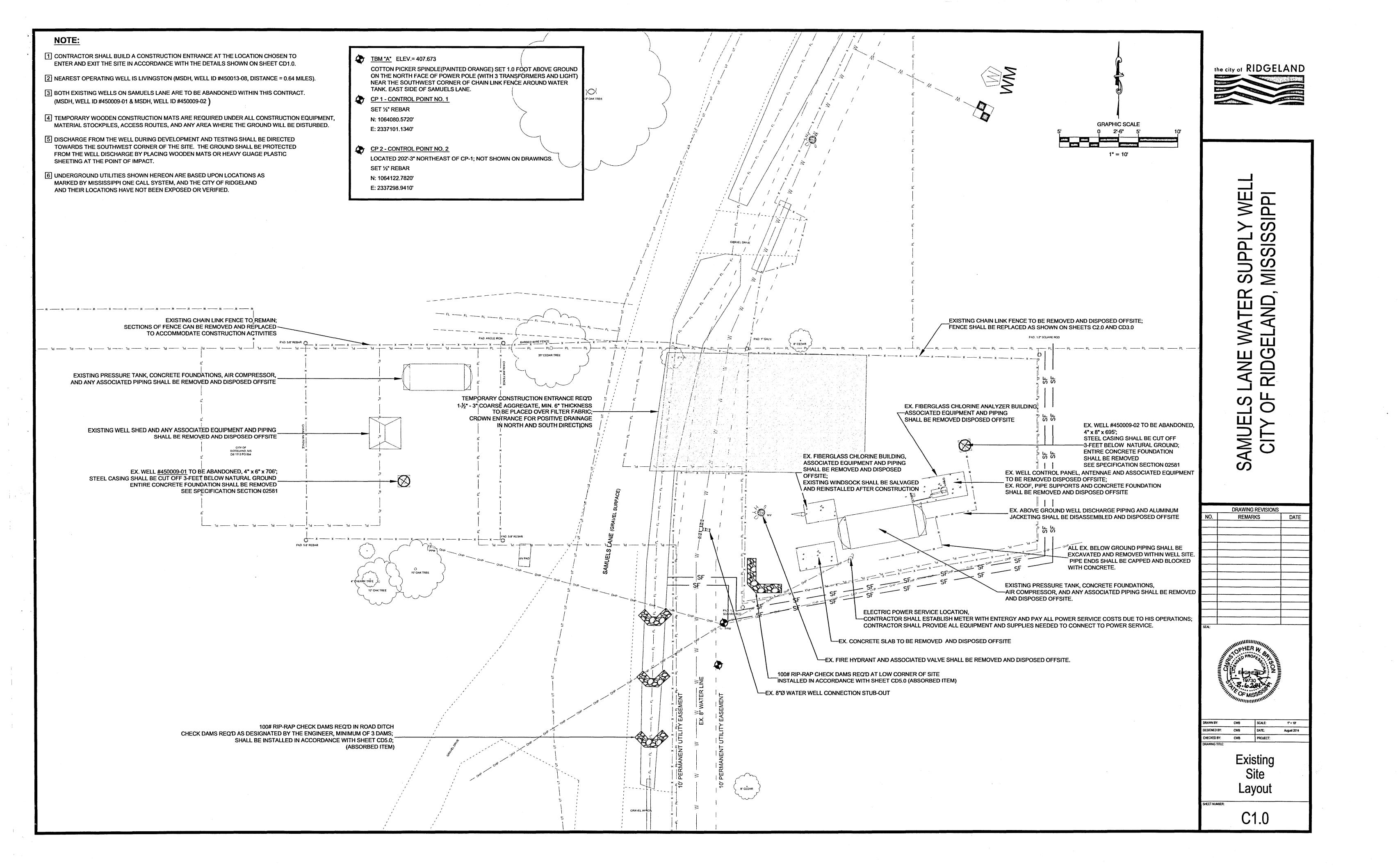
	DRAWING REVISIONS	
NO.	REMARKS	DAT
		
		
		
		
		-
		<u> </u>
		ļ
		ļ
SEAL:		<u> </u>
	PHER W. MINING PROFESSION OF MISSISSININININININININININININININININI	
DRAWN BY	: CWB SCALE:	None
DESIGNED	BY: CWB DATE:	August 2014
CHECKED		
DRAWING 1	ITLE:	•

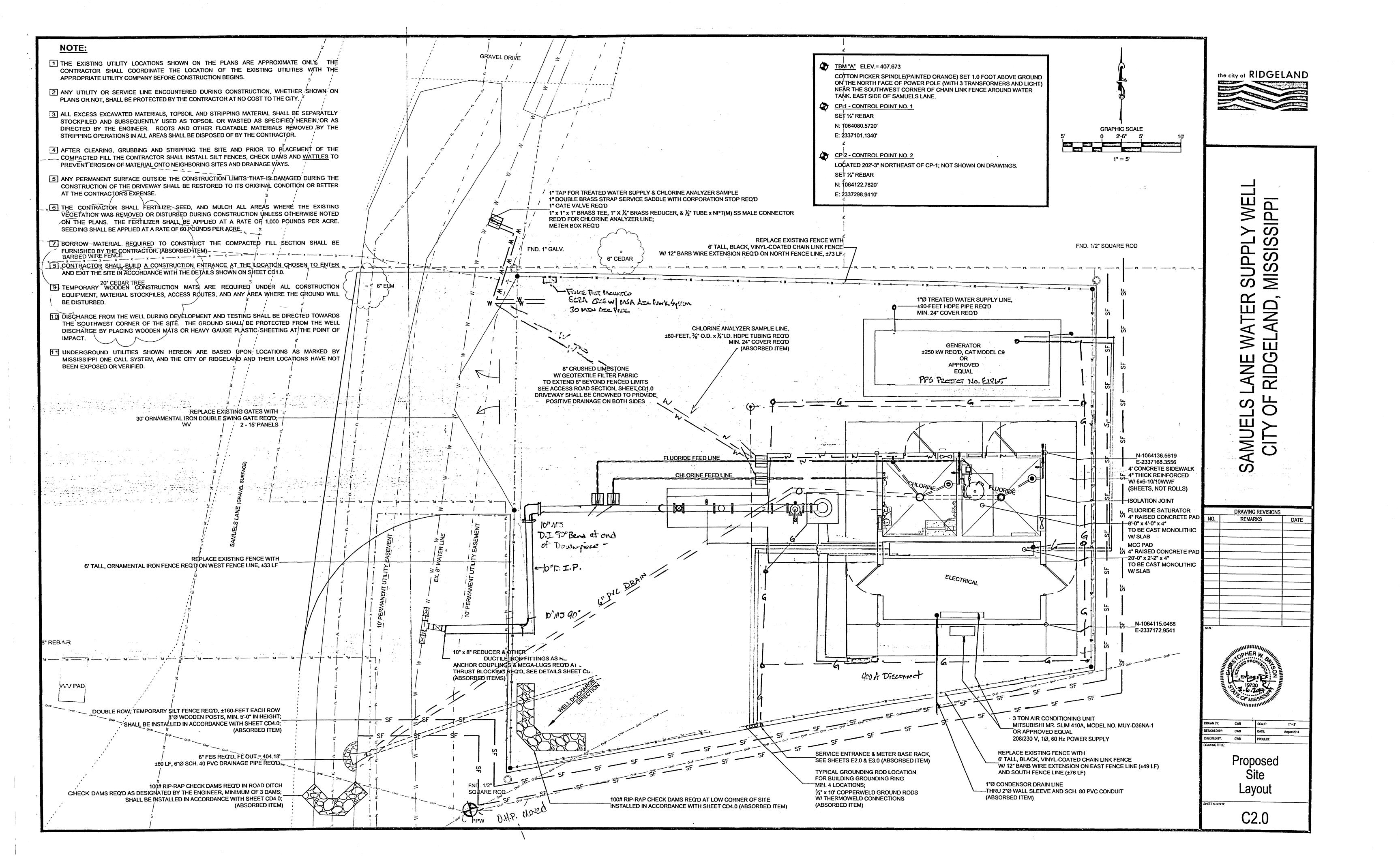
Cover

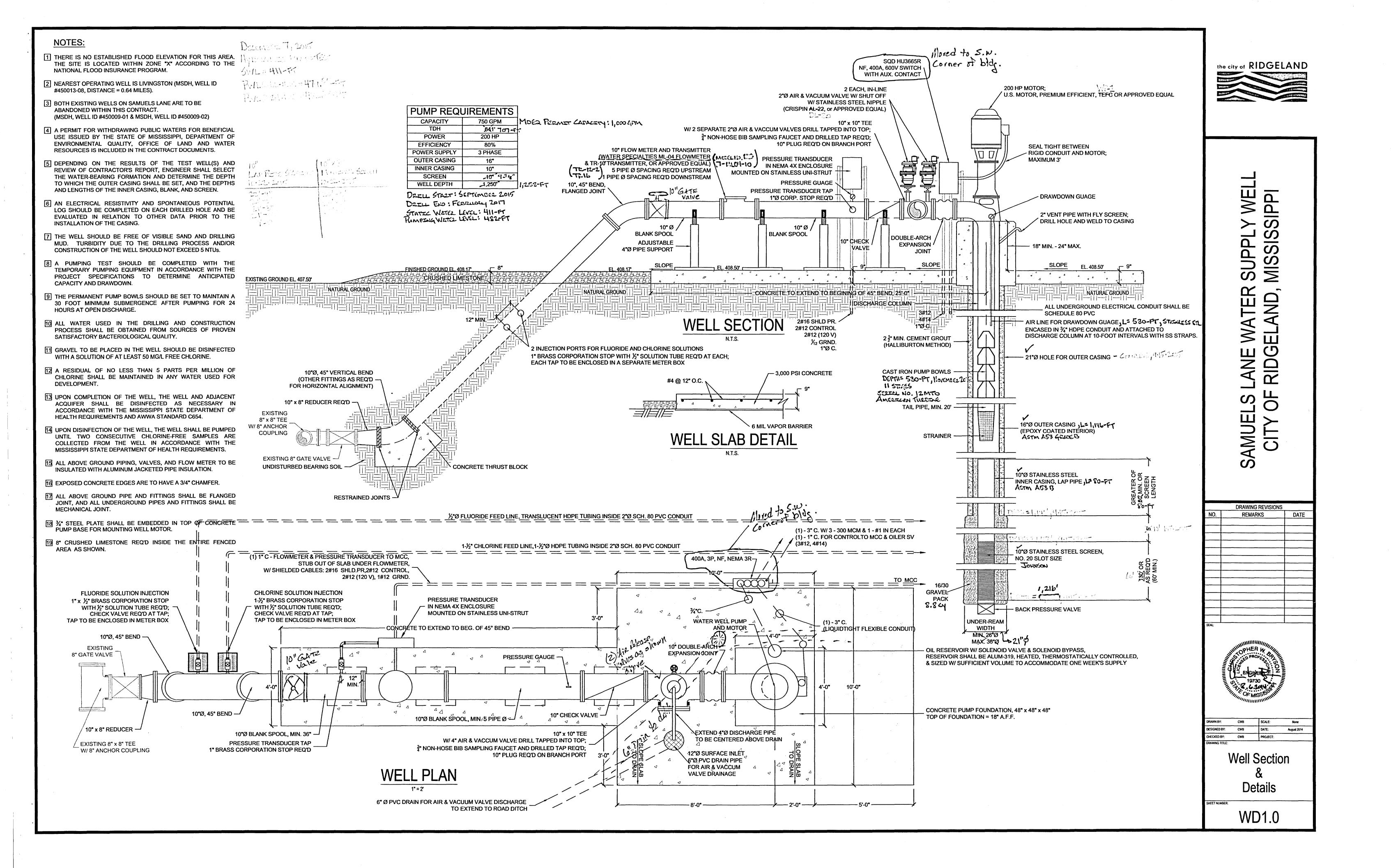
Sheet

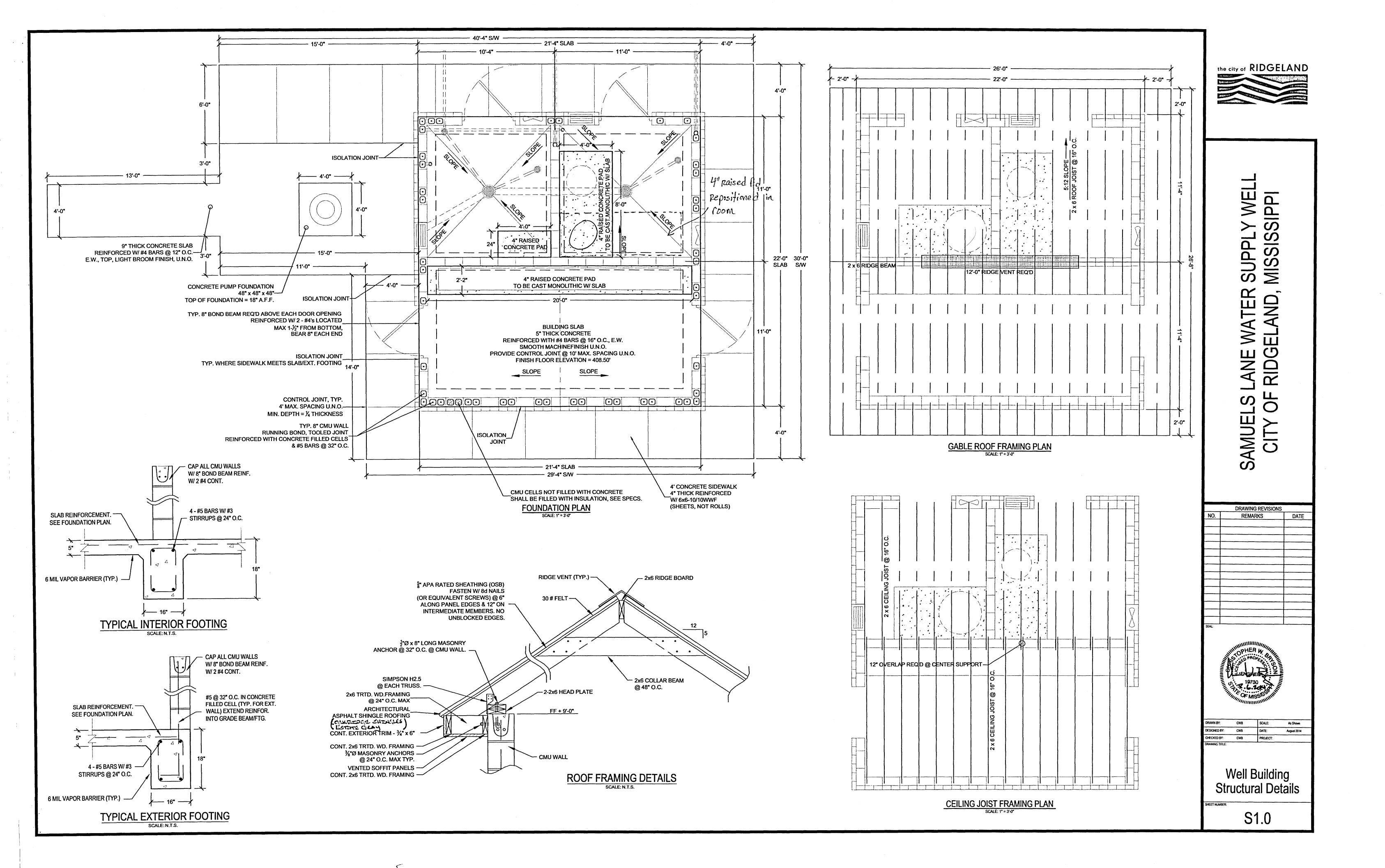
G1.0

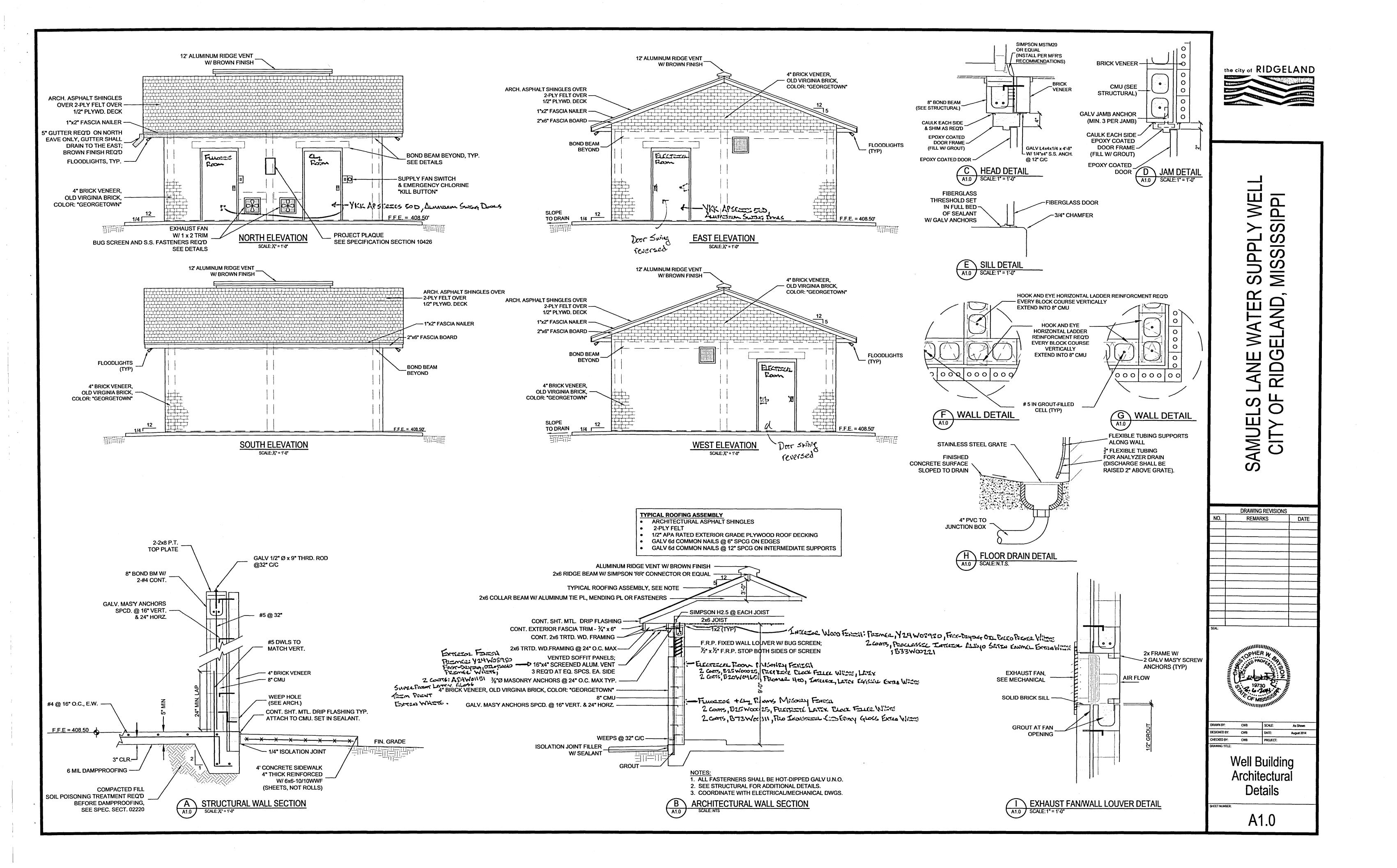
Y HALL VAULT COPY

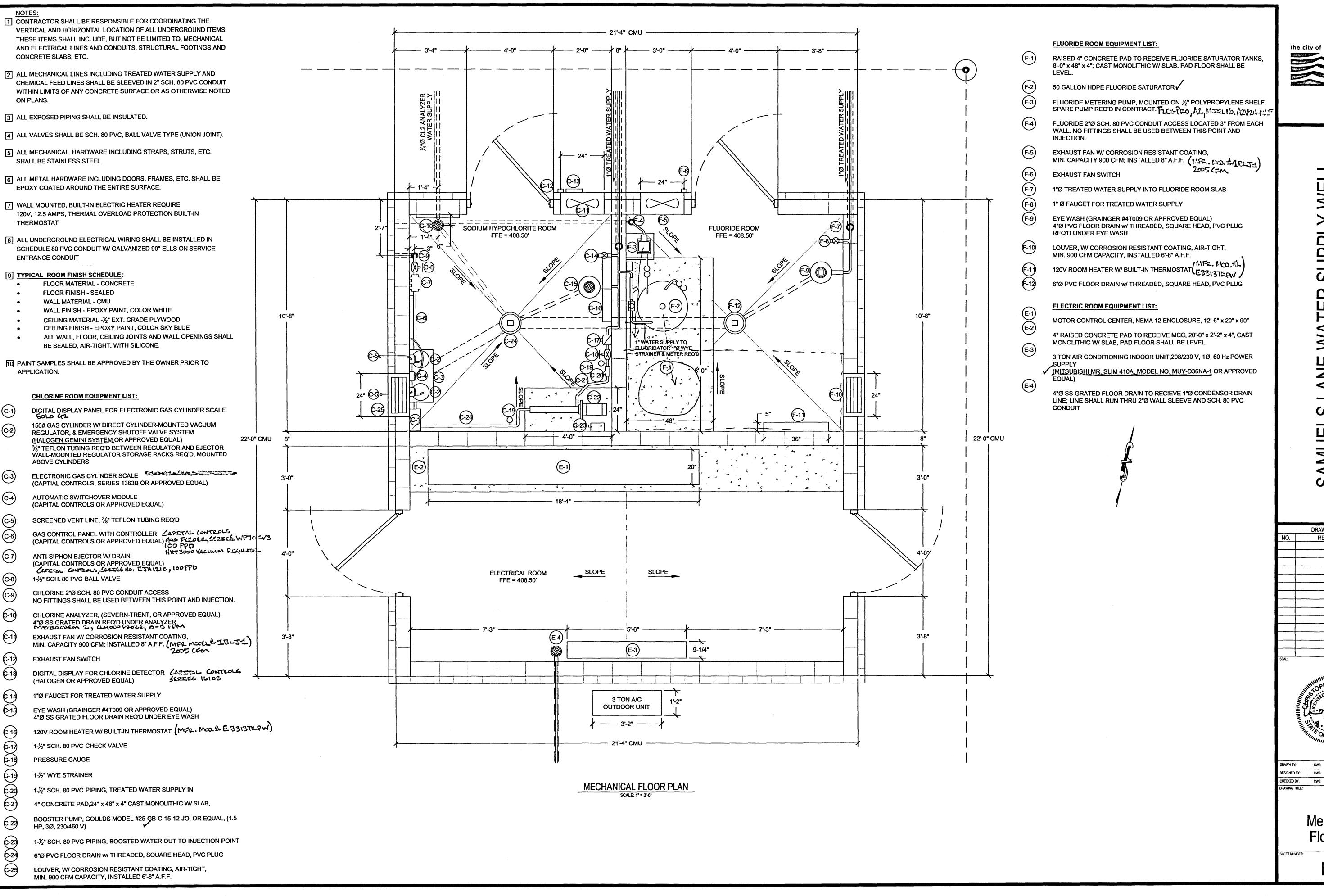














SAMUELS LANE WATER SUPPLY WELL CITY OF RIDGELAND, MISSISSIPPI

DRAWING REVISIONS

NO. REMARKS

DATE

SEAL:

SEAL:

DRAWIN BY: CWB SCALE: 1"-2

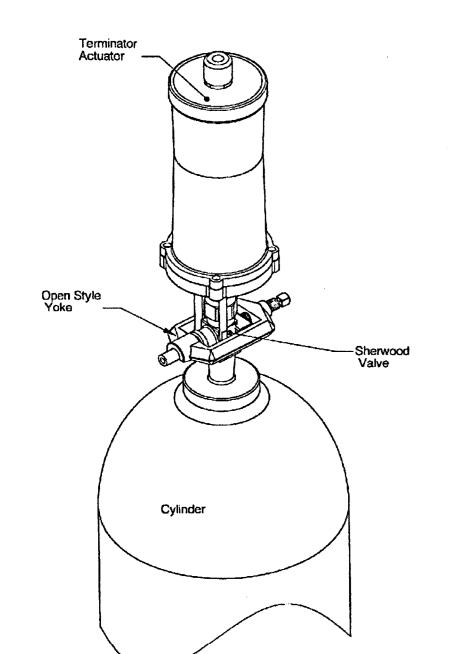
DESIGNED BY: CWB DATE: August 2014

CHECKED BY: CWB PROJECT:

DRAWING TITLE:

Mechanical Floor Plan

M1.0



CHLORINE GAS CYLINDER

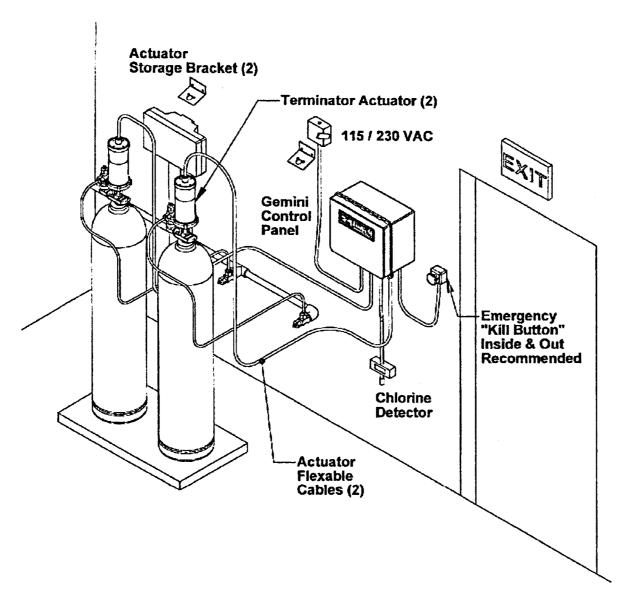
EMERGENCY SHUT-OFF VALVE

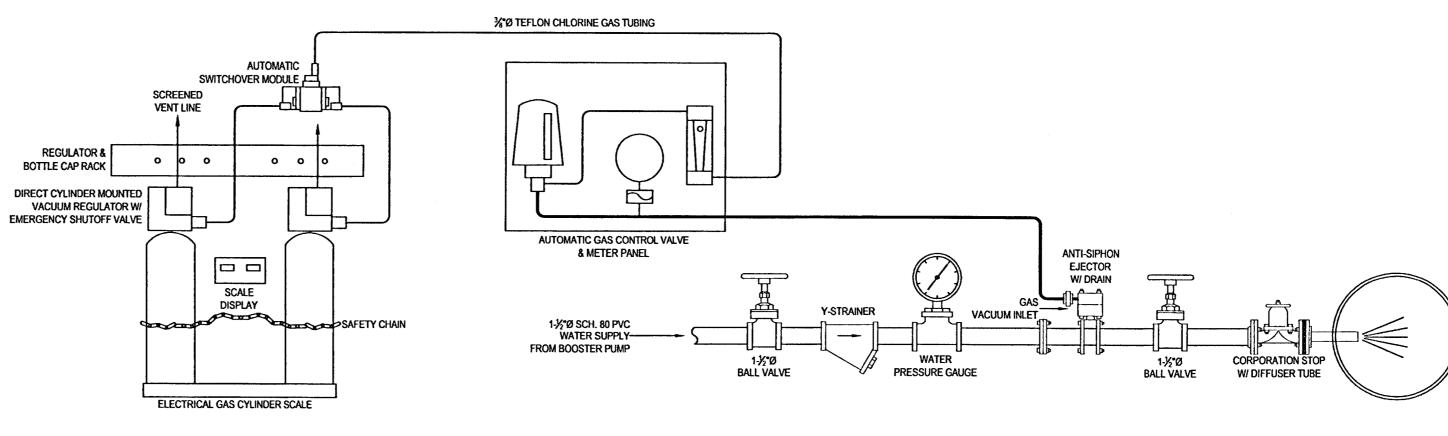
SCALE: N.T.S.

WATER SUPLPY
-SHUT-OFF VALVE
FOR ANNUAL SATURATOR CLEANING

SOLENOID VALVE -

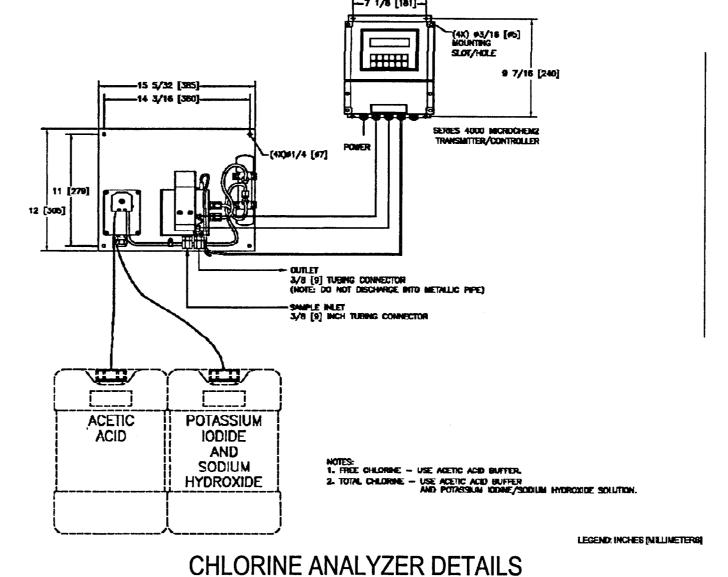
115 V.A.C., 60 Hz POWER SUPPLY— ON WITH WELL

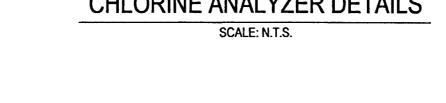


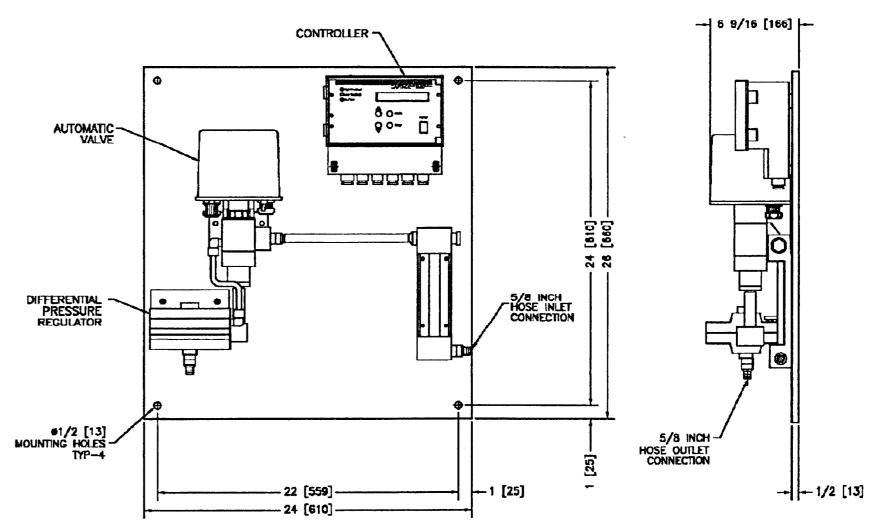


CHLORINE GAS FEED SYSTEM SCHEMATIC FLOW DIAGRAM
SCALE: N.T.S.

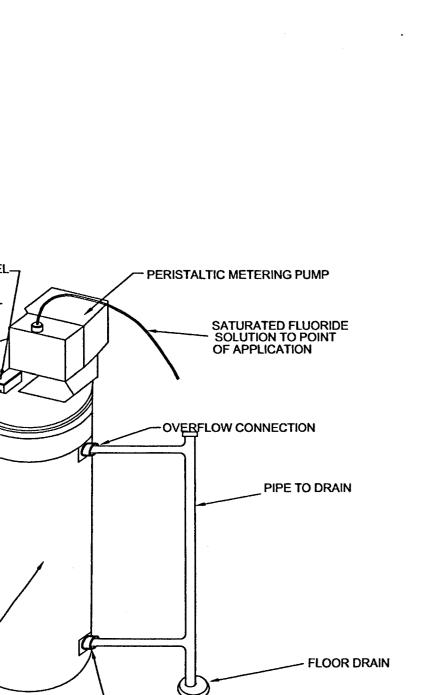








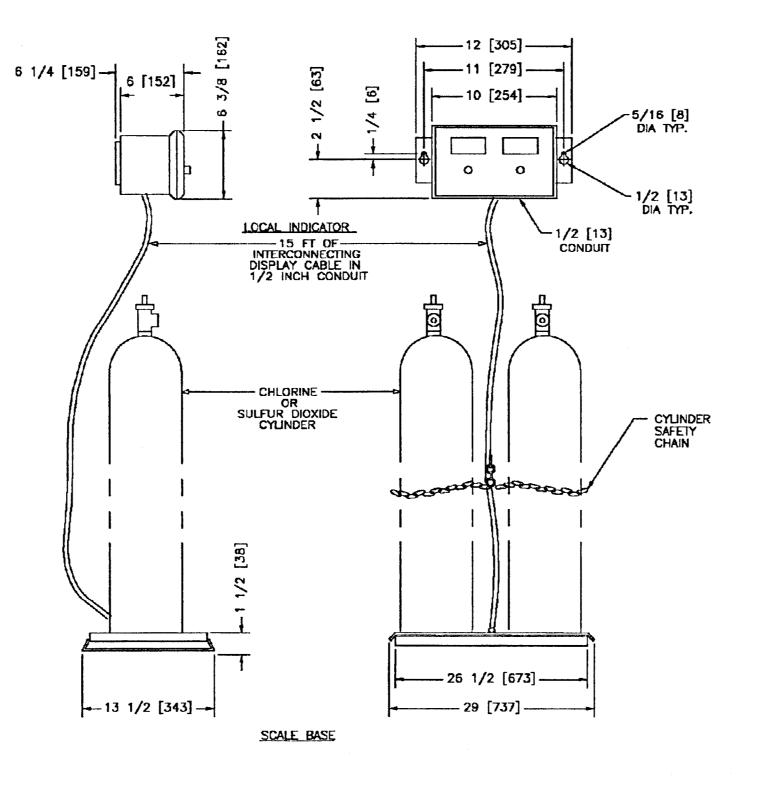
GAS CONTROL PANEL WITH CONTROLLER SCALE: N.T.S.



L DRAIN PLUG

TYPICAL FLUORIDATION SYSTEM SCHEMATIC
SCALE: N.T.S.

FLUORIDE SATURATOR



NOTES:
1. WEIGHT: 75 LBS. (34)
2. ELECTRONICS ENCLOSURE: NEMA 4X.

LEGEND: INCHES [MILLIMETERS]
UNLESS OTHERWISE SPECIFIED. ALL DIMENSIONS ARE IN INCHES

ELECTRICAL GAS CYLINDER SCALE
SCALE: N.T.S.

the city of RIDGELAND

SAMUELS LANE WATER SUPPLY WELL CITY OF RIDGELAND, MISSISSIPPI

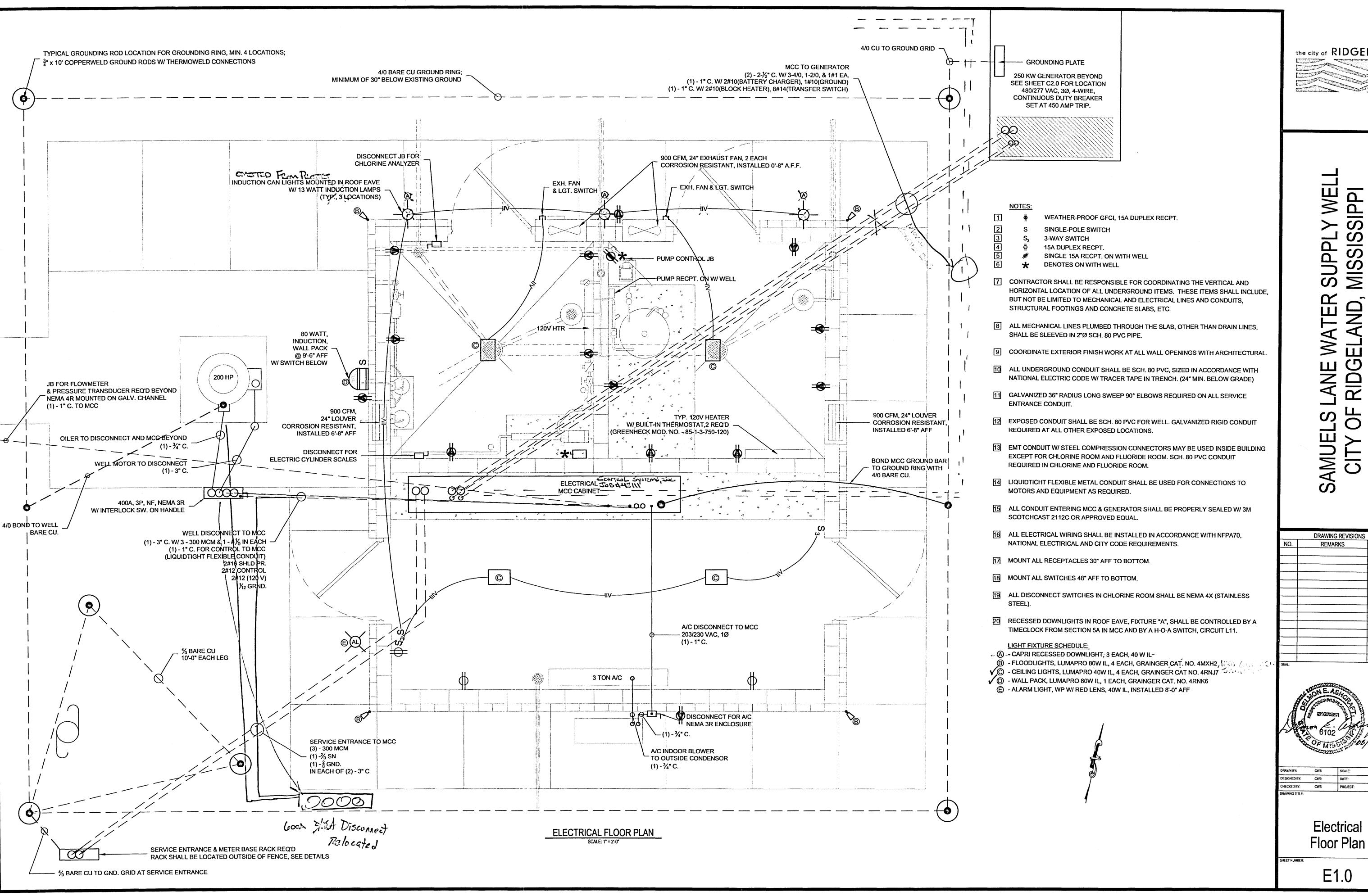
DRAWN BY: CWB DATE: Augusl 2014
CHECKED BY: CWB PROJECT:

Chemical Feed
Schematic Diagram

DRAWING REVISIONS

M2.0

& Details



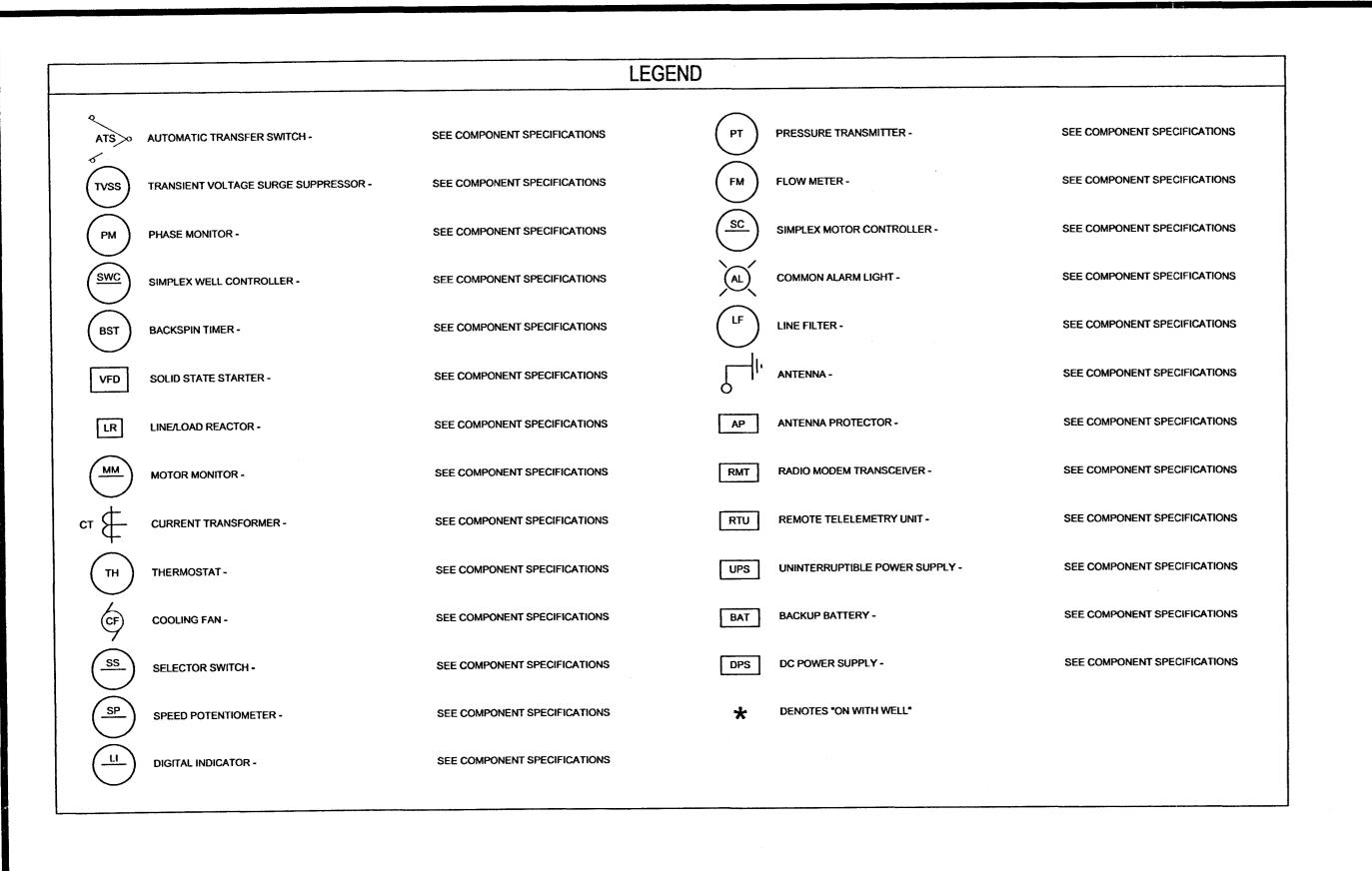


SIPPI SIS PPL MIS -ANE RIDGI

	F MI	/il	8/06/201
+			

Electrical

E1.0

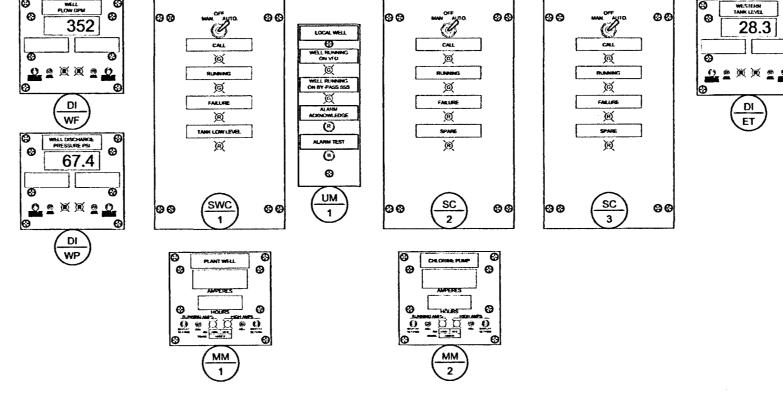


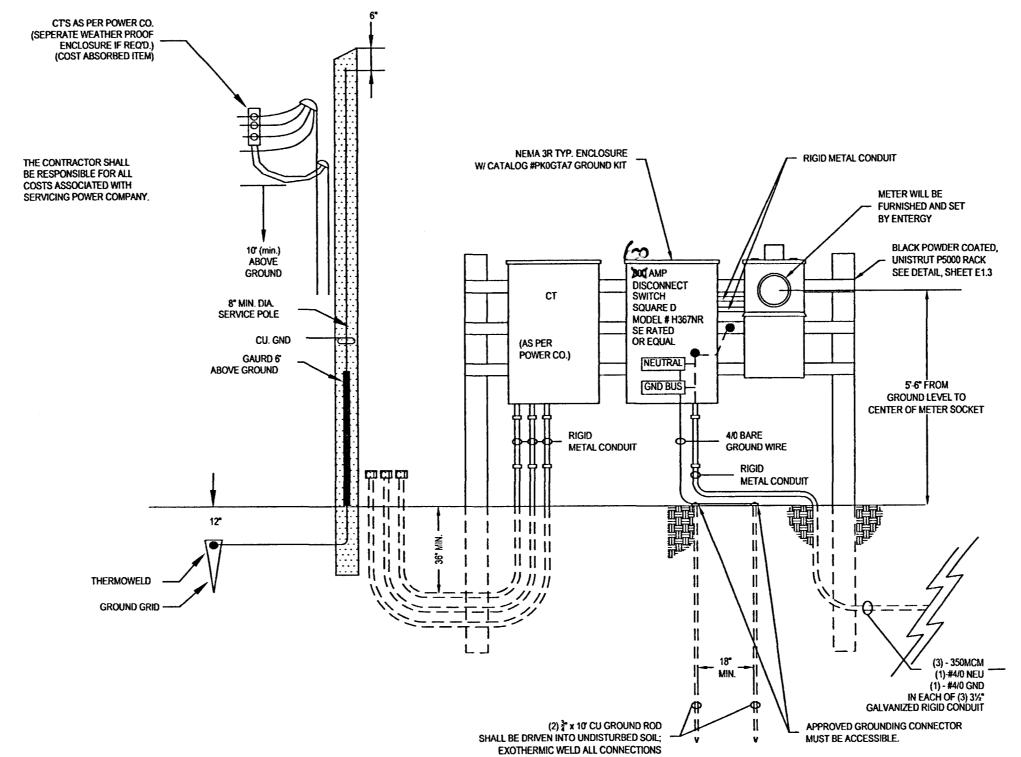
MOTOR CONTROL CENTER FRAME SPECIFICATIONS

1. ENCLOSURE	E. NEUTRAL BUS: LUGS ONLY, UNIT 1A OR 1C
□ NEMA TYPE 1 INDOOR	INONE REQUIRED
GASKETED DOORS	☐ AMPS ☐ ALUM. ☐ COPPE
□ NEMA TYPE 3 WEATHER RESISTANT	7. CLASS AND TYPE OF WIRING
☐ WALK-IN ☐ NON WALK-IN OTHER TYPE (NEMA TYPE 12 NON WALK-IN)	☐ NEMA CLASS I ☐ TYPE A
■ OTHER TYPE (NEMA TYPE 12 NON WALK-IN)	■ NEMA CLASS II ☐ TYPE B
	TYPE C - TOP TERMINAL BLOCKS
ARRANGEMENT	☐ TYPE C - BOTTOM TERMINAL BLOCKS
■ SINGLE FACE (FRONT ONLY) MOUNTING OF UNITS	
☐ DOUBLE FACE (FRONT & REAR) MOUNTING OF UNITS	8. STARTER TYPE
■ STRAIGHT □ L SHAPE □ U SHAPE	■ CIRCUIT BREAKER COMBINATION
☐ ACCESSIBLE FROM REAR	CIRCUIT BREAKER TYPE
NOT ACCESSIBLE FROM REAR	COMBINATION FEEDER
☐ DOORS ON REAR	☐ FUSIBLE COMBINATION - FUSE CLIPS FOR
■ BACK PLATES ON REAR	□ NEC □ DUAL ELEMENT
	CURRENT LIMIT FUSES
B. SUPPLY	FUSES FURNISHED YES NO
277/480 VOLTS 3 PHASE	FUSES FURNISHED LITES LING
4 WIRE60 CYCLES	O TERMINAL PLOCKS
AMPS RMS SYMMETRICAL FAULT	9. TERMINAL BLOCKS
CURRENT AVAILABLE AT M.C.C. INCOMING TERMINALS	☐ FIXED ■ PULL-A-PART
< 500 AMPS TOTAL CONNECTED LOAD.	OTHER
	10. CONTROL CIRCUITS 120 VOLTS
4. INCOMING FEEDER CABLE	CONTROL VOLTAGE SAME AS SUPPLY VOLTAGE
300 MCM SIZE 2 NO. PER PHASE	☐ UNFUSED ☐ TWO CONTROL FUSES
☐ TOP ENTRY FRAME NO.	INDIVIDUAL CONTROL TRANSFORMERS
BOTTOM ENTRY FRAME NO. 18	UNFUSED PRIMARY TWO PRIMARY FUSES
	ONE SECONDARY FUSE & X2 GROUNDED
5. MAIN DISCONNECT	TWO SECONDARY FUSES
□ NONE REQUIRED	- TWO SECONDARY 1 COLO
■ CIRCUIT BREAKER AMPS 8001-271-17	
800 100 TRIP AMPS	☐ GROUP CONTROL TRANSFORMER VOLTS
☐ FUSED DISCONNECT AMPS	SEPARATE PURCHASER EXTERNAL CONTROL
	SOURCEVOLTS
6. BUSSING	☐ INTERLOCK ON (DISCONNECT) (UNIT DOOR)
A. BRACING STANDARD 25,000 A. SYM.	TO OPEN CONTROL CIRCUIT
■ 42,000 A. SYM. ☐ 65,000 A. SYM. 50°C RATING	☐ SPECIAL VA
B. MAIN HORIZONTAL BOS.	
☐ ALUM. ✓☐ STANDARD 600 AMP	11. ☐ PILOT DEVICES
COFFER	DDOV/IDE LIL LADEL
C. VERTICAL BUS:	12. NOTES PROVIDE UL LABEL
☐ ALUM. ■ FRONT ONLY 300A	
■ COPPER ☐ FRONT & REAR 600A	
D. GROUND BUS:	
☐ NONE REQUIRED	
SIZE 300A DALUM. COPPER	

CIRCUIT NUMBER	WIRE SIZE	BREAKER SIZE	DESCRIPTION OF LOAD	LOAD		R PHASE	LOAD	DESCRIPTION OF LOAD	BREAKER SIZE	WIRE SIZE	CIRCUIT NUMBER
		<u> </u>		<u> </u>	A	B				1	
1	#12 	20A	CONTROL POWER			Y/Z/Z		CL CYLINDER SCALES	20A	#12	2
3	#12	20A	FLUORIDE FEEDER					VFD EXHAUST FANS	20A	#12	4
5	#12	20A	CHLORINE ROOM, LIGHTS, RECEPT.					ELEC. ROOM RECEPT.	20A	#12	6
7	#12	20A	BUILDING LIGHTS FOR ELEC. ROOM					FLUORIDE & CL2ROOM EXHAUST FAN	15A	#12	8
9	#12	20A	FLUORIDE ROOM LIGHTS, RECEPT.					CL_CYLINDER SCALES / CL_ANALYZER	20A	#12	10
11	#12	20A	OUTSIDE BUILDING LIGHTS					FLOWMETER & PRESSURE TRANSDUCER	20A	#12	12
13	#12	20A	CHLORINE ROOM HEATER					FLUORIDE ROOM HEATER	20A	#12	14
15	#12	20A	GENERATOR BATTERY CHARGER		////			SPARE BREAKER	20A	#12	16
17	#10	30A, 2P	GEN. BLOCK HEATER (4,000 WATT)					SPARE BREAKER	20A		18
19	#10	30A, 2P	GEN. BLOCK HEATER (4,000 WATT)		////			ELECTRICAL ROOM A/C	[36A, 2P	#10	20
21	#10	30A, 2P	CE BOOSTER PUMP CONTROL PANEL					ELECTRICAL ROOM A/C	30A, 2P	#10	22
23	#10	030A, 2P	CL SOOSTER PUMP CONTROL PANEL		////			SPARE BREAKER	40A, 2P	2#8, 1#10N, 1#10G	24
25	#12	20A	CL STORAGE EXH. FAN / MTR. LOUVER			////		SPARE BREAKER	40A, 2P	2#8, 1#10N, 1#10G	26
27			SPACE		////			PANELBOARD MAIN BREAKER	25 100A Z	¬ #2	28
29			SPACE					PANELBOARD MAIN BREAKER	CS 100A 27	#2	30
	POWER POCATED	IN MOTOR	TOTAL KVA GRAND CONNECTED					SERVICE CHARACT 120/240V - 1 PHASE - 3 100 AMP. MAIN BREAKER W PROVIDE GROUI	WIRE - 60 I		

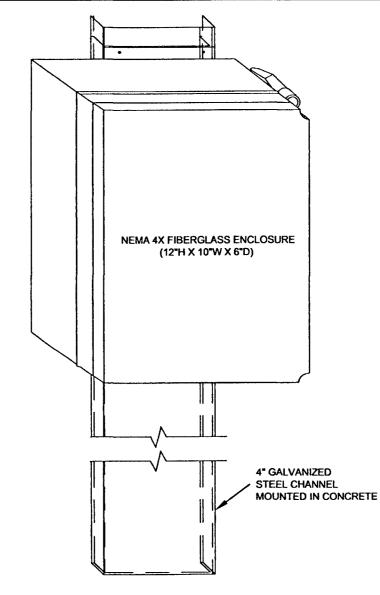
TYPICAL DOOR DETAIL, MOTOR CONTROL CENTER, SECTION 6 N.T.S. WESTERN BY TANK LEVEL S

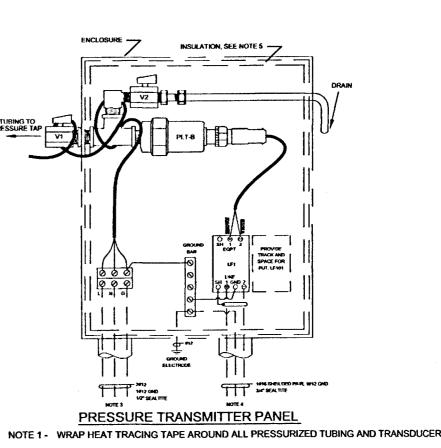




SERVICE ENTRANCE DETAIL

WELL DISCHARGE PRESSURE TRANSMITTER DETAIL





NOTE 2 - DRILL HOLE IN SIDE OF ENCLOSURE, RUN HEAT TRACING TAPE AROUND VALVE VI AND TUBING TO PRESSURE TAP. INSULATE OVER THE HEAT TRACING TAPE USING FIBER GLASS INSULATION AND SEAL WITH FOILTAPE. SEAL HOLE IN SIDE OF ENCLOSURE WITH SILICONE AFTER INSTALLING THE HEAT TRACING TAPE.

NOTE 3 - USE 1/2" SEALTITE TO GET EXISTING 120VAC POWER FROM NEAREST SOURCE.

NOTE 4 - USE 3/4" SEALTITE TO GET SHEILDED CABLE TO CONTROL PANEL.

NOTE 5 - INSULATE INTERIOR OF ENCLOSURE USING FIBERGLASS INSULATION.

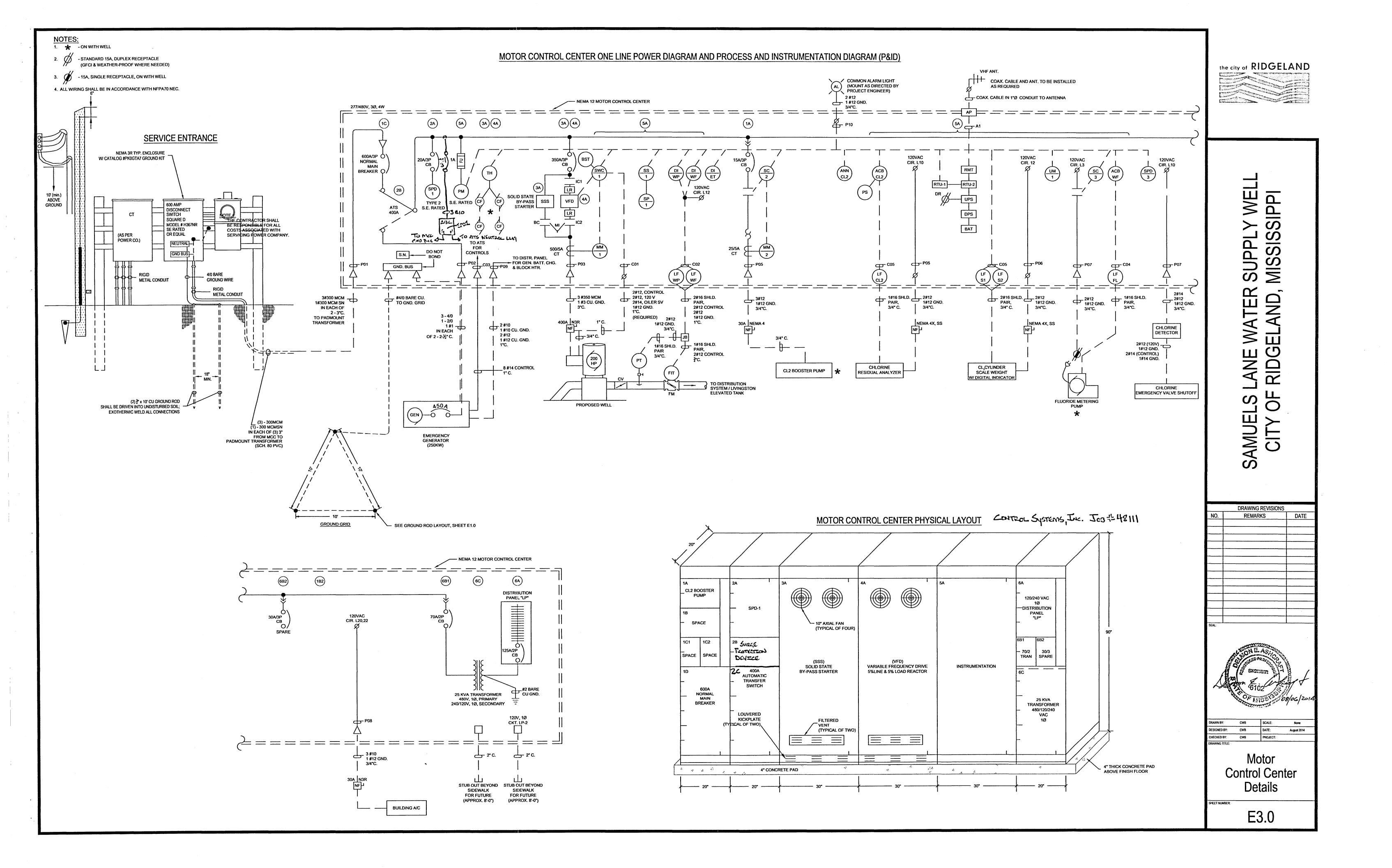
the city of RIDGELAND

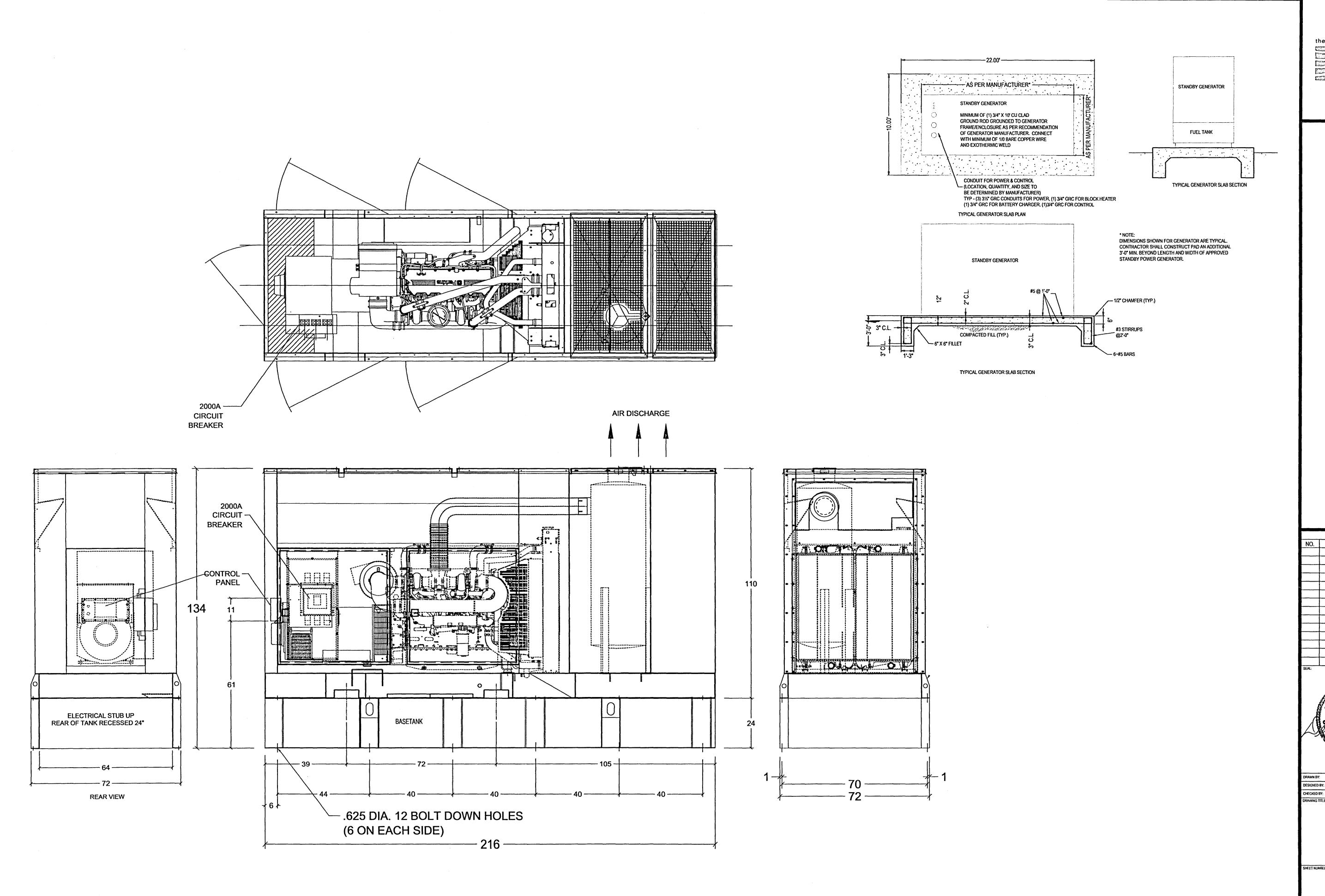
SUPPLY WELL MISSISSIPPI LANE WATER RINGELAND. 9F SAMUEI

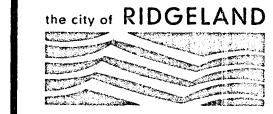
REMAR	KS	DATE
		}
		1
		
		
- 		-
G102	(m)	100/F014
N BY: CWB	SCALE:	None
NED BY: CWB	DATE:	August 2014
CED BY: CWB	PROJECT:	
NG TITLE:		

& Details

E2.0

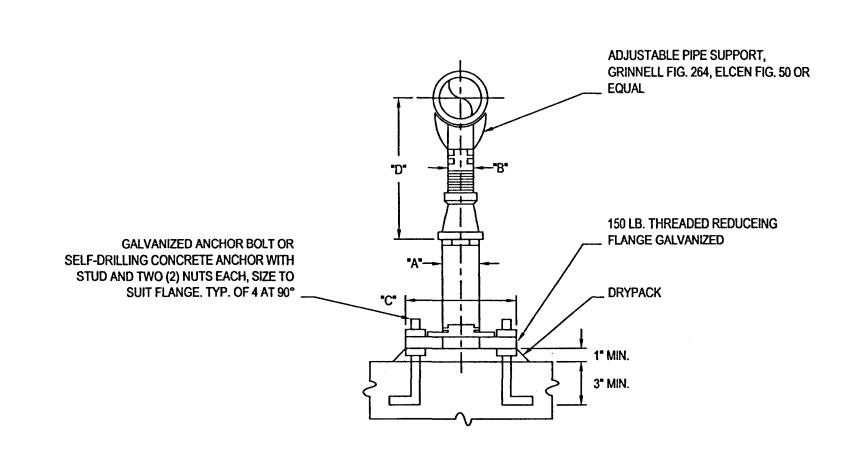






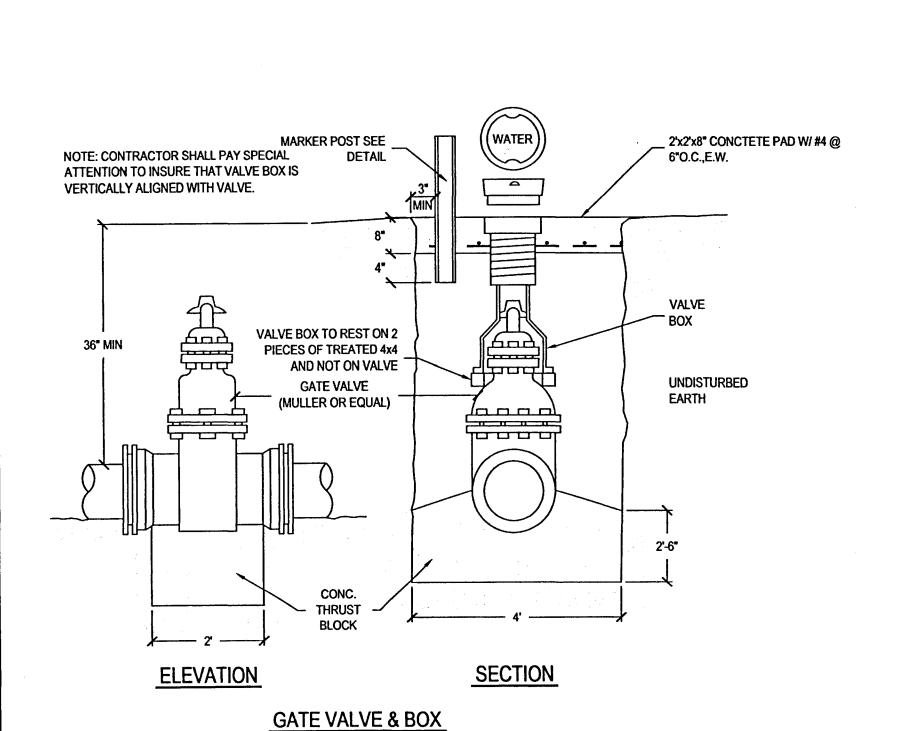
SAMUELS LANE WATER SUPPLY WELL

	DDAMINO	REVISIONS				
NO.			DATE			
NU.	REMAR	V2	DATE			
	L					
SEAL:						
6102 John H 08/06/2014						
DRAWN BY: CWB SCALE: None						
DESIGNED	BY: CWB	DATE:	August 2014			
CHECKED	Y: CWB	PROJECT:				
Generator Details						
SHEET NUM		1.0				

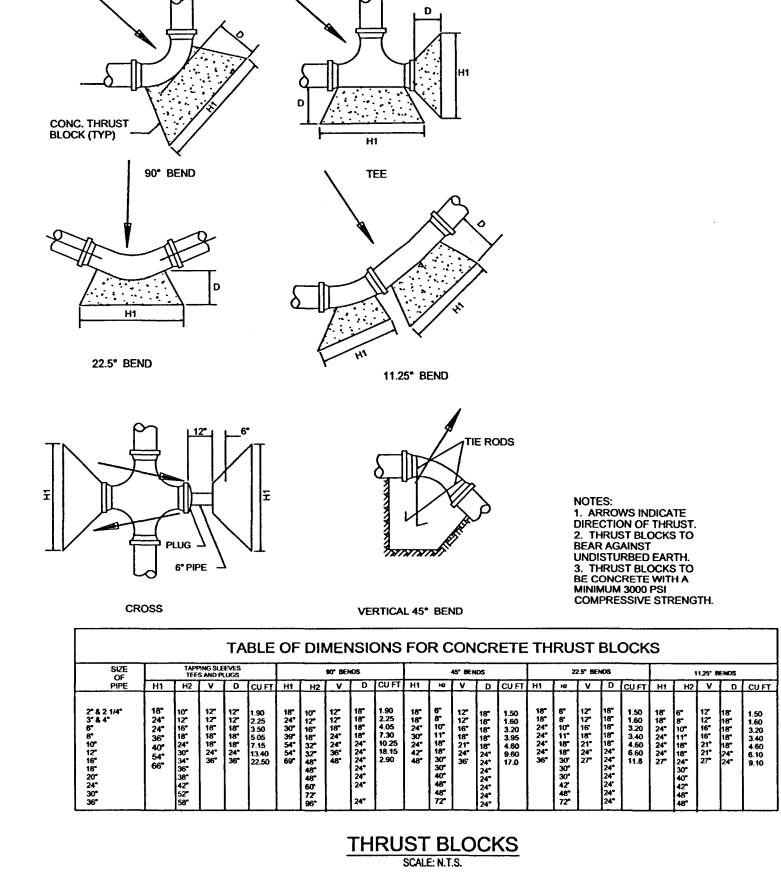


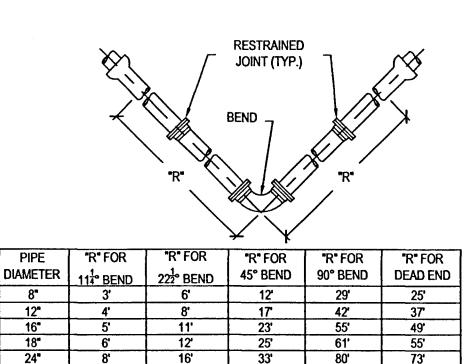
				AC	JUSTABLE PIPE SU DIMENSION	PPORT APPROXIM S IN INCHES	IATE				
PIPE SIZE	Α	В	С	D MINIMUM	D MAXIMUM	PIPE SIZE	A	В	С	D MINIMUM	D MAXIMUM
2-1/2	2-1/2	1-1/2	9	8	11-1/2	14	4	3	11	18-7/8	20-3/4
3	2-1/2	1-1/2	9	8-1/4	11-3/4	16	4	3	11	19-7/8	22-1/4
3-1/2	2-1/2	1-1/2	9	8-1/2	12	18	6	3-1/2	13-1/2	21-1/4	24
4	3	* 2-1/2	9	10-1/4	14	20	6	3-1/2	13-1/2	23-1/4	25-1 <i>[</i> 2
6	3	* 2-1/2	9	11-5/8	15-1/4	24	6	4	13-1/2	26-1/2	28-1/4
8	3	* 2-1/2	9	13-5/8	16-1/2	30	6	4	13-1/2	29-5/8	31-1 <i>[</i> 2
10	3	* 2-1/2	9	14-5/8	18-1/4	32	6	4	13-1/2	30-5/8	32-3/4
12	3	* 2-1/2	9	15-5/8	19-3/4	36	6	4	13-1/2	32-5/8	34-3/4

ADJUSTABLE PIPE SUPPORT SCALE: N.T.S.



* SEE MFR.

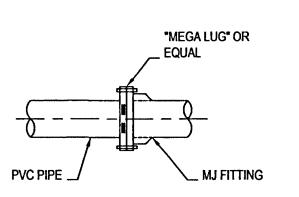




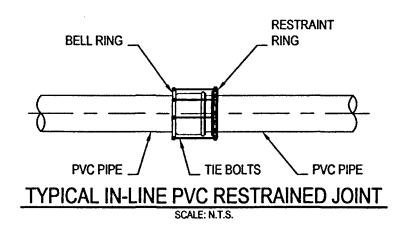
NOTES:

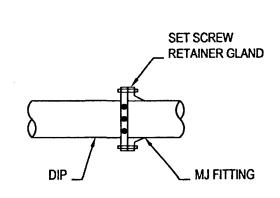
- 1. RESTRAINED JOINT PIPE SHALL BE USED AT ALL BENDS.
- 2. THE LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND SHALL BE NOT LESS THAN THE "R" DISTANCES.
- 3. ALL JOINTS WITHIN THE DISTANCE "R" ESTABLISHED ABOVE SHALL BE RESTRAINED.
 4. ALL PIPE IN CASINGS SHALL BE RESTRAINED, BUT PIPE LENGTHS IN CASING SHALL NOT APPLY TOWARD REQUIRED
- RESTRAINED LENGTHS FOR ADJACENT BENDS.
- 5. RESTRAINED JOINT LENGHTS WERE CALCULATED BASED ON DIPRA THRUST RESTRAINT GUIDELINES UNDER THE FOLLOWING CONDITIONS:
- LAYING CONDITION TYPE 3 SOIL DESIGNATION - CLAY 2 DEPTH OF COVER - 3.5'
- DESIGN PRESSURE 150 PSI SAFETY FACTOR - 1.5
- IF ANY OF THESE ASSUMPTIONS SIGNFICANTLY DIFFER FROM THE LAYING CONDITIONS, NEW THRUST RESTRAINT CALCULATIONS SHOULD BE PERFORMED.
- 6. FOR BENDS IN THE VERTICAL PLANE INCREASE THE "R" DISTANCE BY A FACTOR OF 1.75.

RESTRAINED JOINT DETAL SCALE: N.T.S.

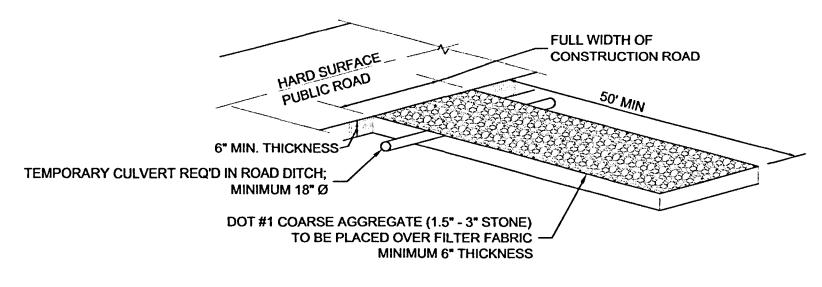


TYPICAL PVC RESTRAINED JOINT AT MJ FITTING SCALE: N.T.S.

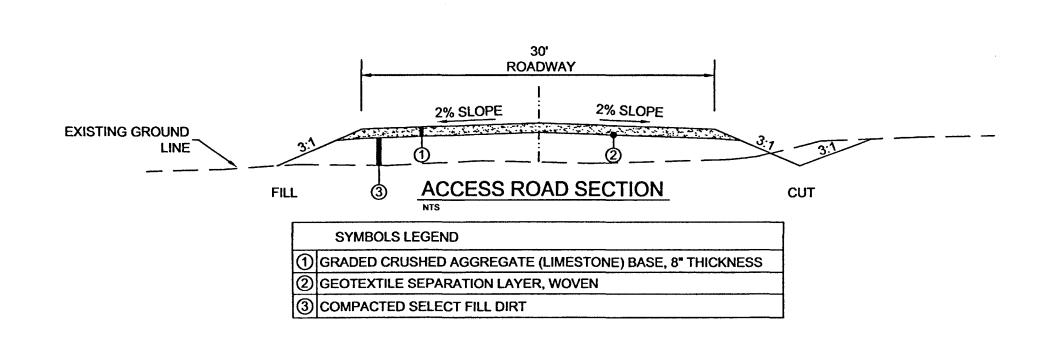


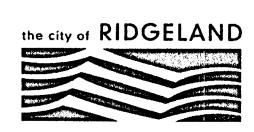


TYPICAL DI RESTRAINED JOINT AT MJ FITTING SCALE: N.T.S.



CONSTRUCTION ENTRANCE
SCALE: N.T.S.





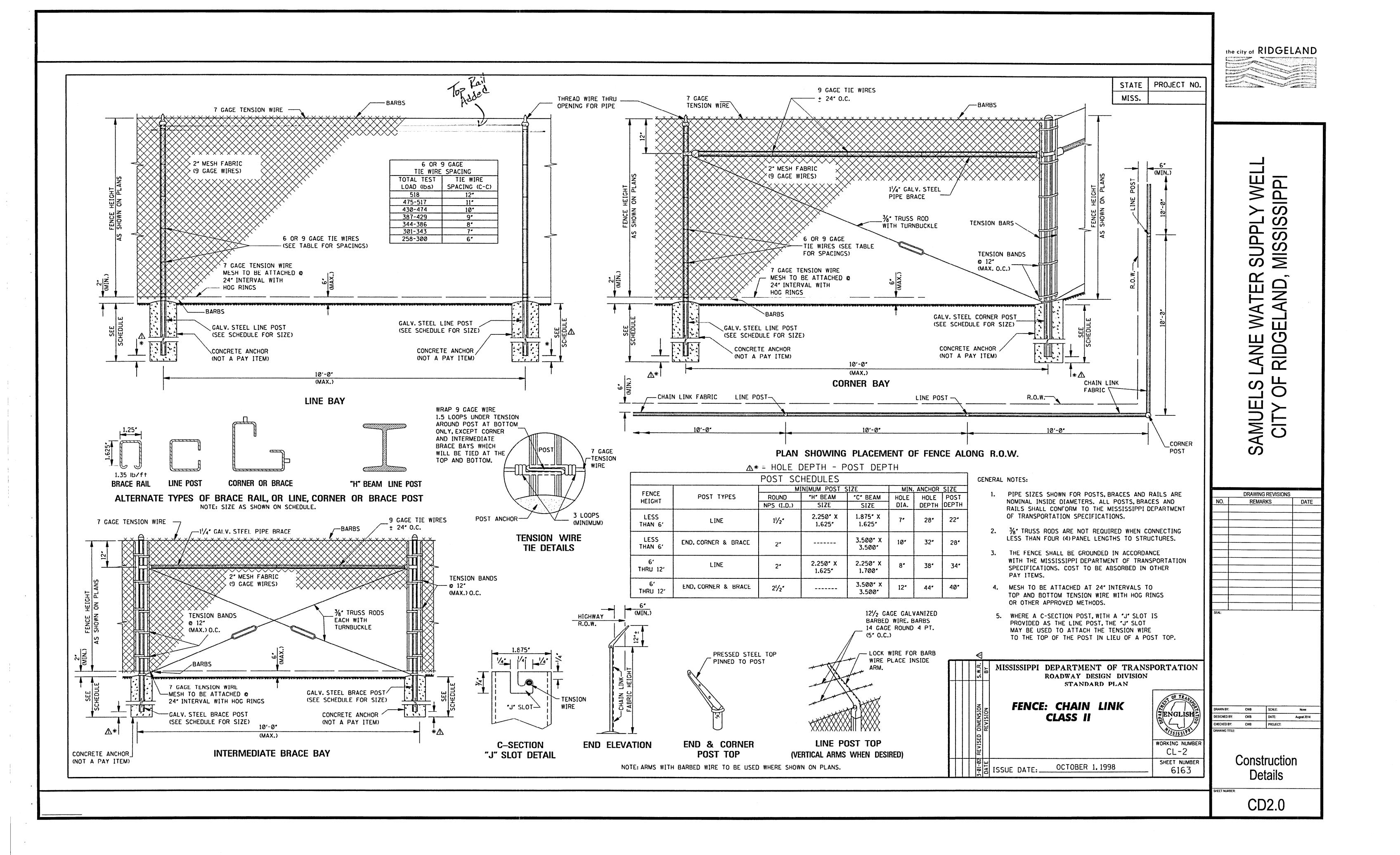
SAMUELS LANE WATER SUPPLY WEL CITY OF RIDGELAND, MISSISSIPPI

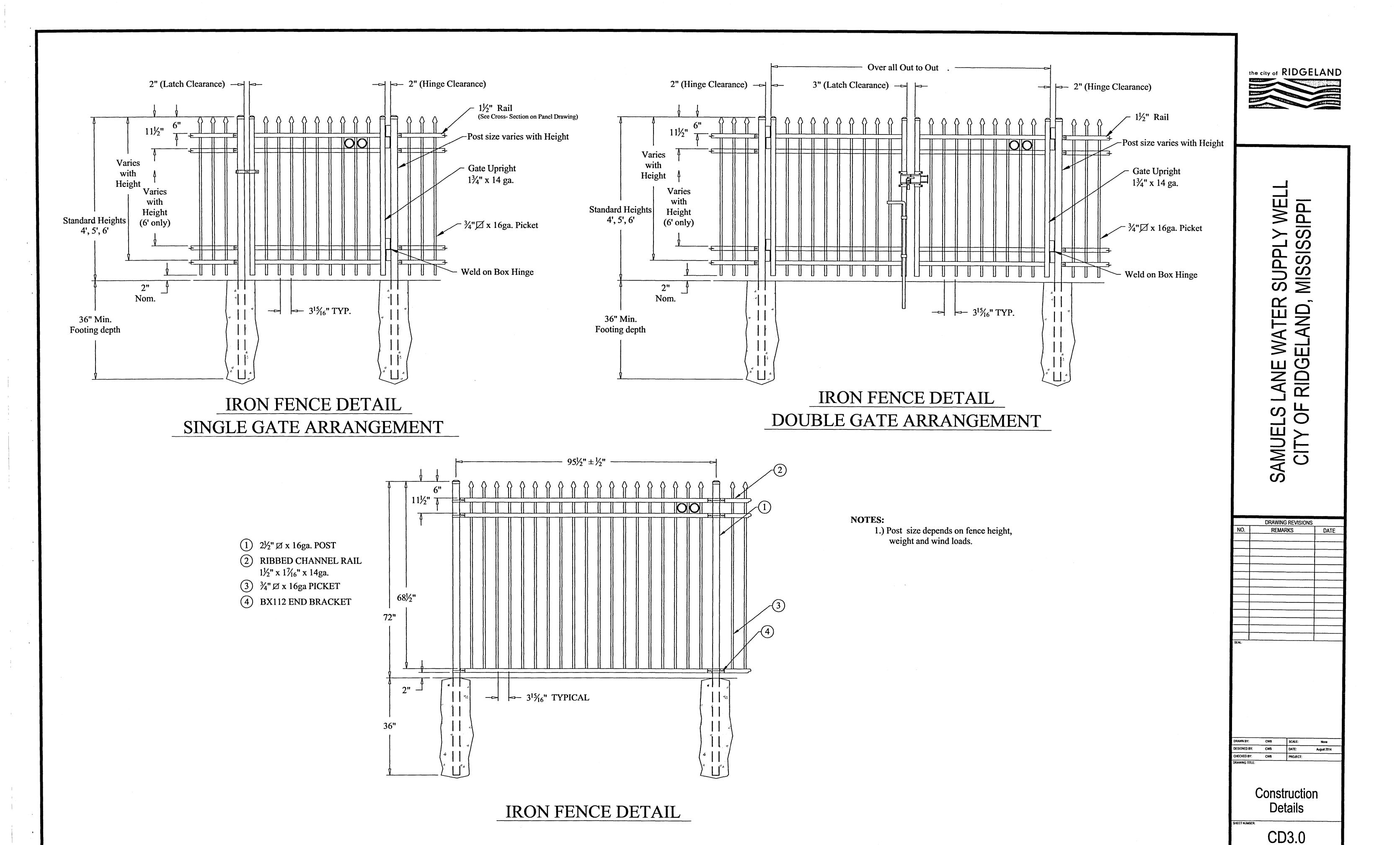
_		DRAWING	REVISIONS	
NO.		REMAR		DATE
		······································		
				
				ļ
		····		
0541				
SEAL:				
DRAWN BY	' :	CMB	SCALE:	None
DESIGNED	BY:	CMB	DATE:	August 2014
CHECKED	BY:	CMB	PROJECT:	
DRAWING T	MLE:			

Construction

Details

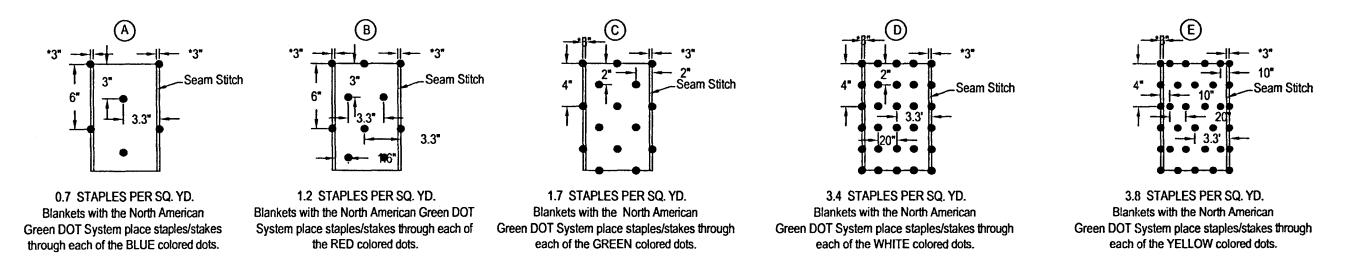
CD1.0



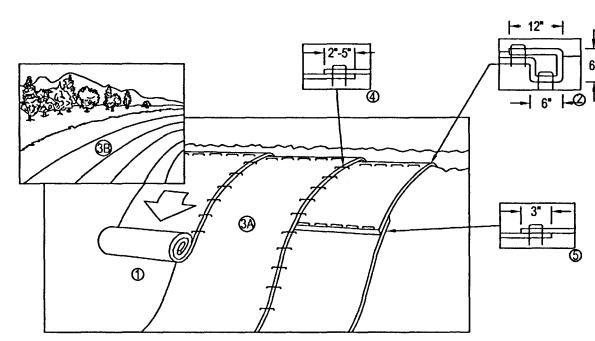


- 1. WIRE SHALL BE MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
- GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE AS DIRECTED BY THE ENGINEER.
- 3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND OF THE SELF-FASTENER ANGLE STEEL TYPE. WOOD POST SHALL BE A MINIMUM OF 5'-0" IN HEIGHT AND 3" OR MORE IN DIAMETER. WIRE FENCE SHALL BE FASTENED TO WOODEN POST WITH NOT LESS THAN 9 GAGE WIRE STAPLES 1" LONG.
- GEOTEXTILE FABRIC MEETING THE TYPE II MATERIAL REQUIREMENTS AND INSTALLED ACCORDING TO SPECIFICATIONS MAY BE USED WITHOUT WIRE FENCE.

SILT FENCE DETAILS



DRAINAGE BLANKET STAPLE PATTERN TYPES



NOTE: SEE EROSION CONTROL PLAN

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER

2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.

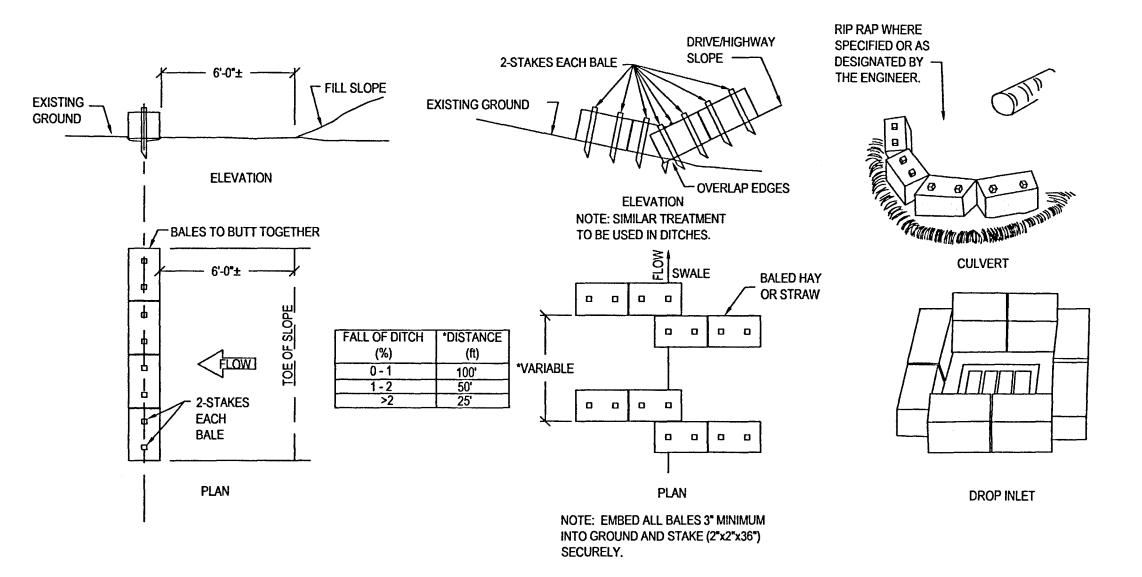
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.

4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5cm-12.5cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

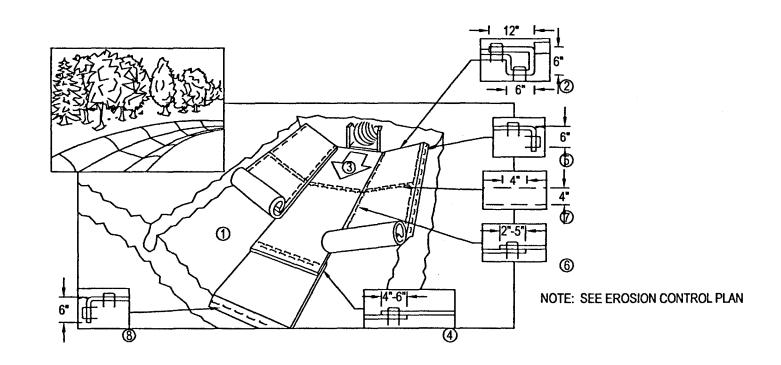
5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

NOTE: WATTLES SHALL BE USED IN PLACE OF HAY BALES FOR ALL EROSION CONTROL MEASURES SHOWN BELOW, SEE SHEET CD1.7



EROSION/SEDIMENTATION CONTROL DETAILS



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP x 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
- 3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- 4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4"-6" (10cm-15cm) OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER TO SECURE BLANKETS.

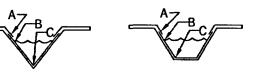
- 5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- 6. ADJACENT BLANKETS MUST BE OVERLAPPED APPROXIMATELY 2"-5" (5cm-12.5cm) (DEPENDING ON BLANKET TYPE) AND STAPLED. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE BLANKET BEING OVERLAPPED.
- IN CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT (9m-12m) INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" (10cm) APART AND 4" (10cm) ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
- 8. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN A 6" (15cm) DEEP X 6" (15cm) WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

PROJECTED WATER LINE C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

CRITICAL POINTS:

A. OVERLAPS AND SEAMS B.

* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.



** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 cm) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

DRAINAGE BLANKET "CHANNEL" INSTALLATION

the city of RIDGELAND

WEL PP SUPPL SIS MIS ANE RE SAMUE S

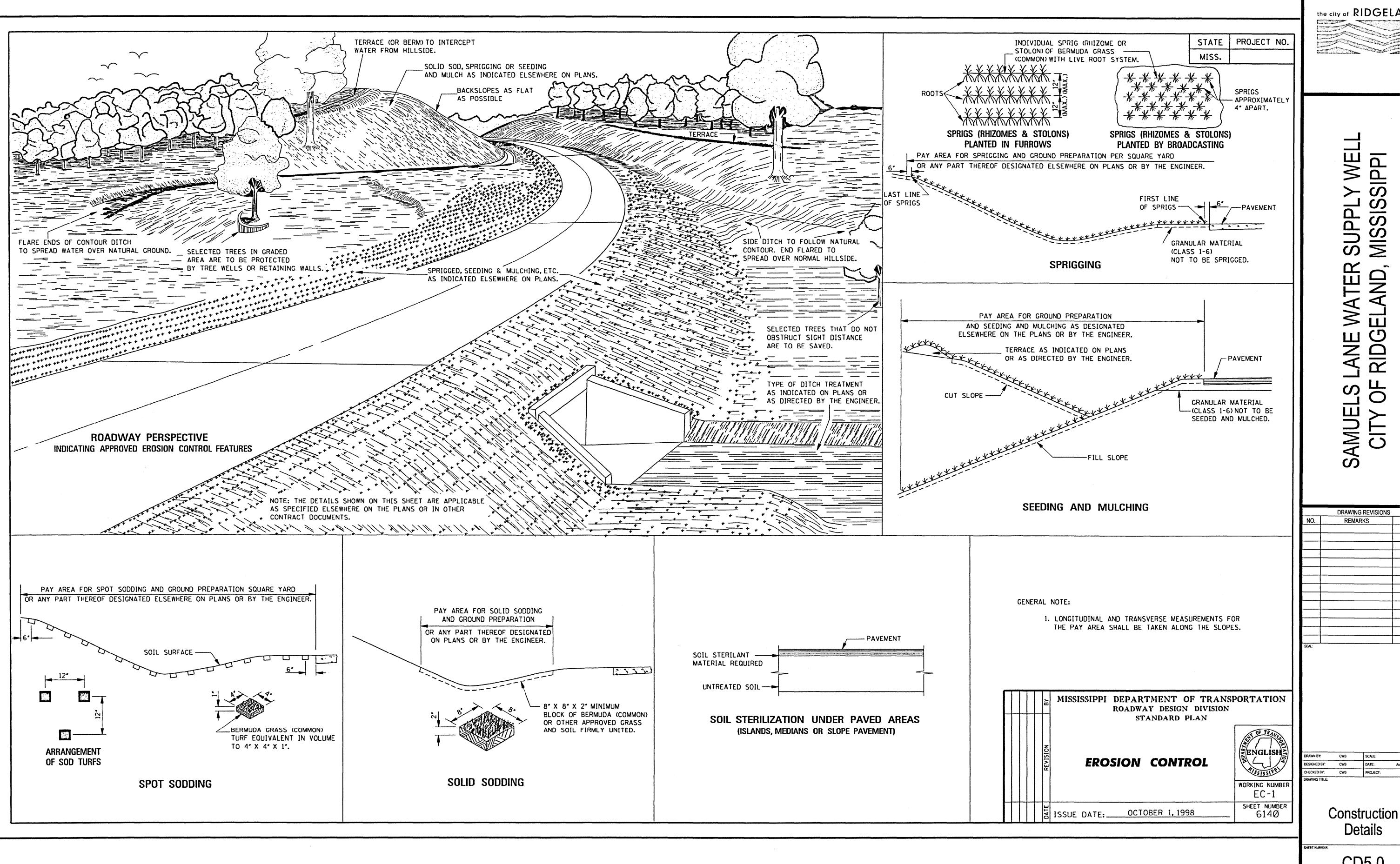
	CWB	SCALE:	None
BY:	CWB	DATE:	August 2014
Y;	CWB	PROJECT:	
TLE:			
)	.1	
	Cons	struction	on
		struction etails	on

CD4.0

DRAWING REVISIONS REMARKS

DATE

DRAINAGE BLANKET "SLOPE" INSTALLATION





SIPPI SUPPL SIS MIS 2 RIDG OF

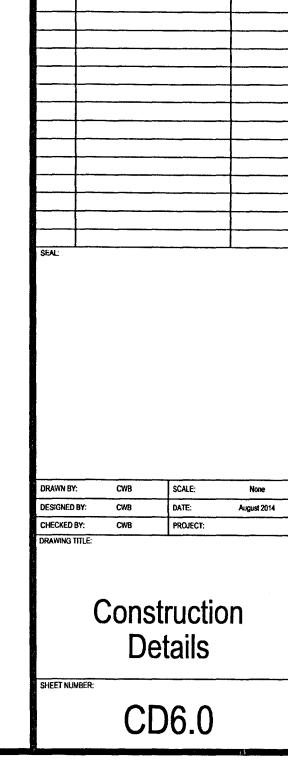
						
			-		\dashv	
					一	
	 	<u> </u>			一	
	 				_	
	 					
SEAL:	L					
DRAWN BY	<u></u>	CWB		SCALE:		None
DESIGNED	8Y:	CWB		DATE:		August 2014
CHECKEN	BY.	CWB		PROJECT:		
CHECKED DRAWING 1						

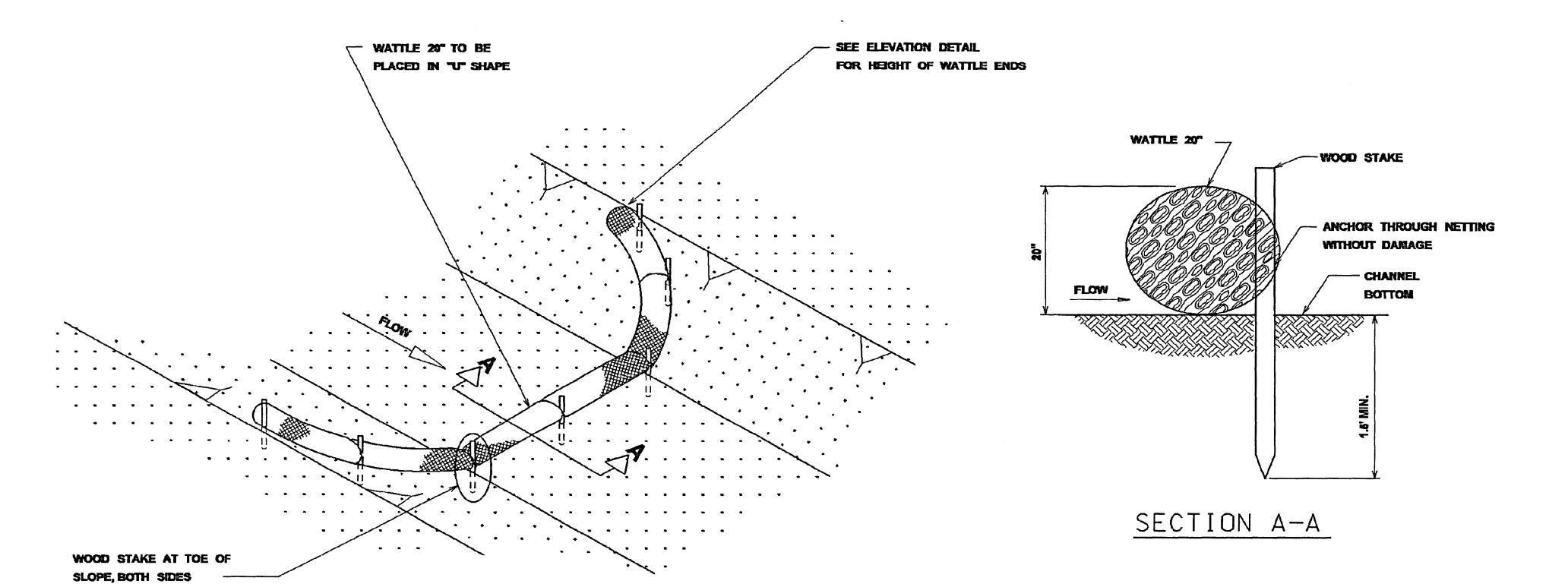
Details

CD5.0

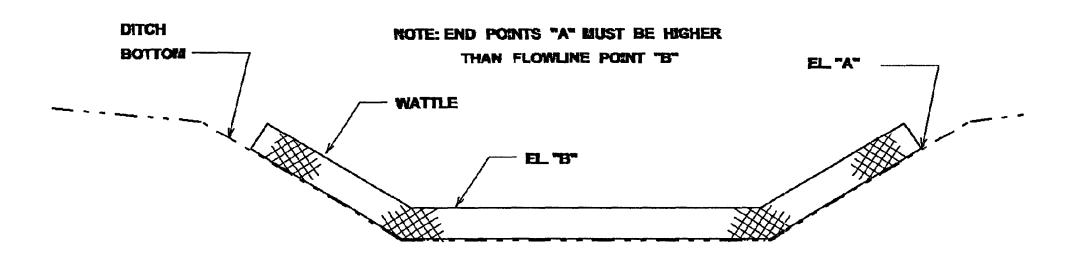
DRAWING REVISIONS







DETAIL (DITCH CHECK)



ELEVATION DETAIL

WATTLE DITCH CHECK SELECTION GUIDELINES

WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.

NOTES:

1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 190 UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER.

SEE SPACING GUIDANCE ON ECD-4

2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.

3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.

4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.