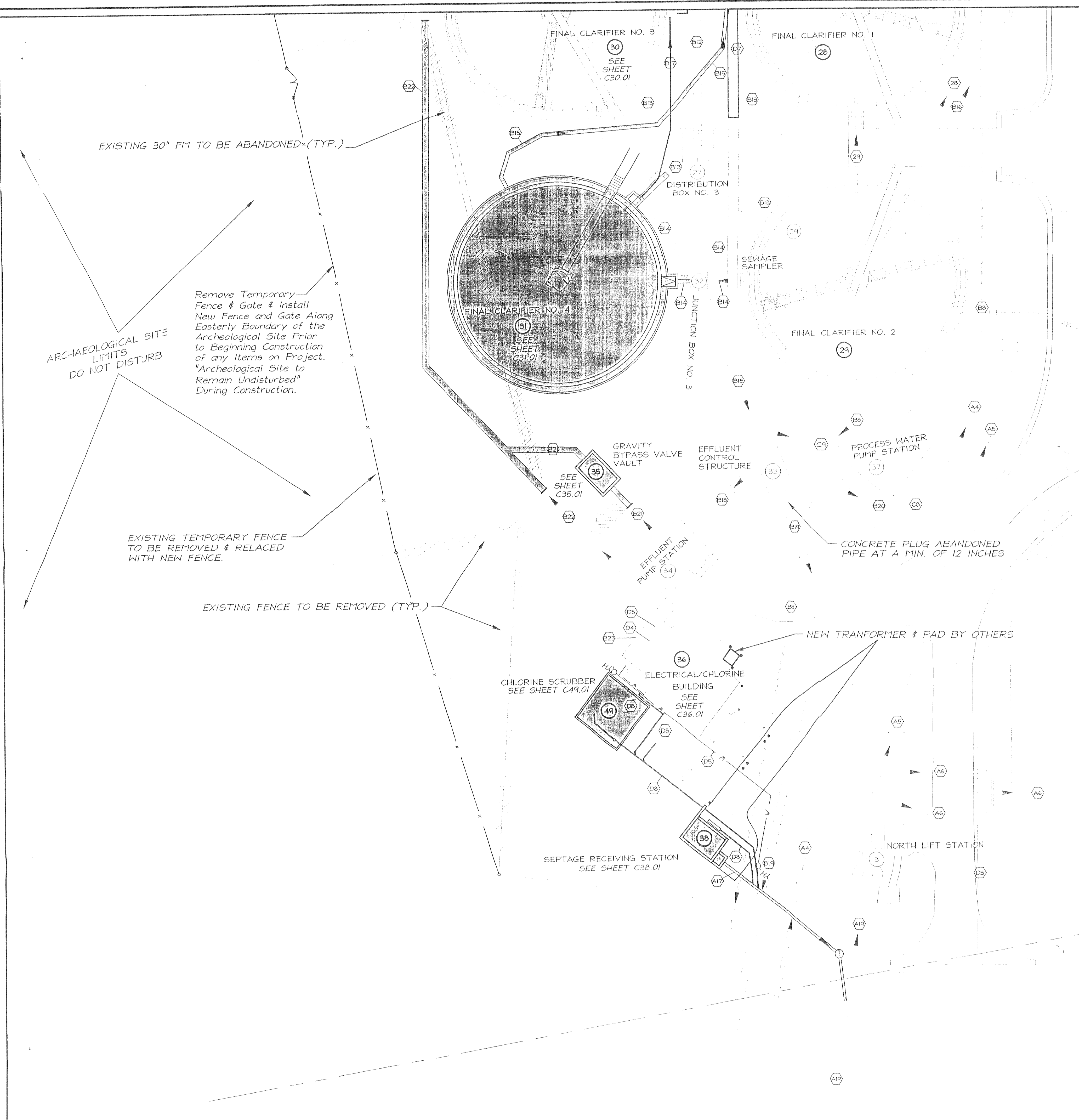


K:\Client\O'Fallon\9234.dwg\O'Fallon\Download from O'Fallon\9234\1504.dwg Layout: 00.09 Friday, October 05, 2001, 2:50pm Copyright 2001, George Butler Associates, Inc.



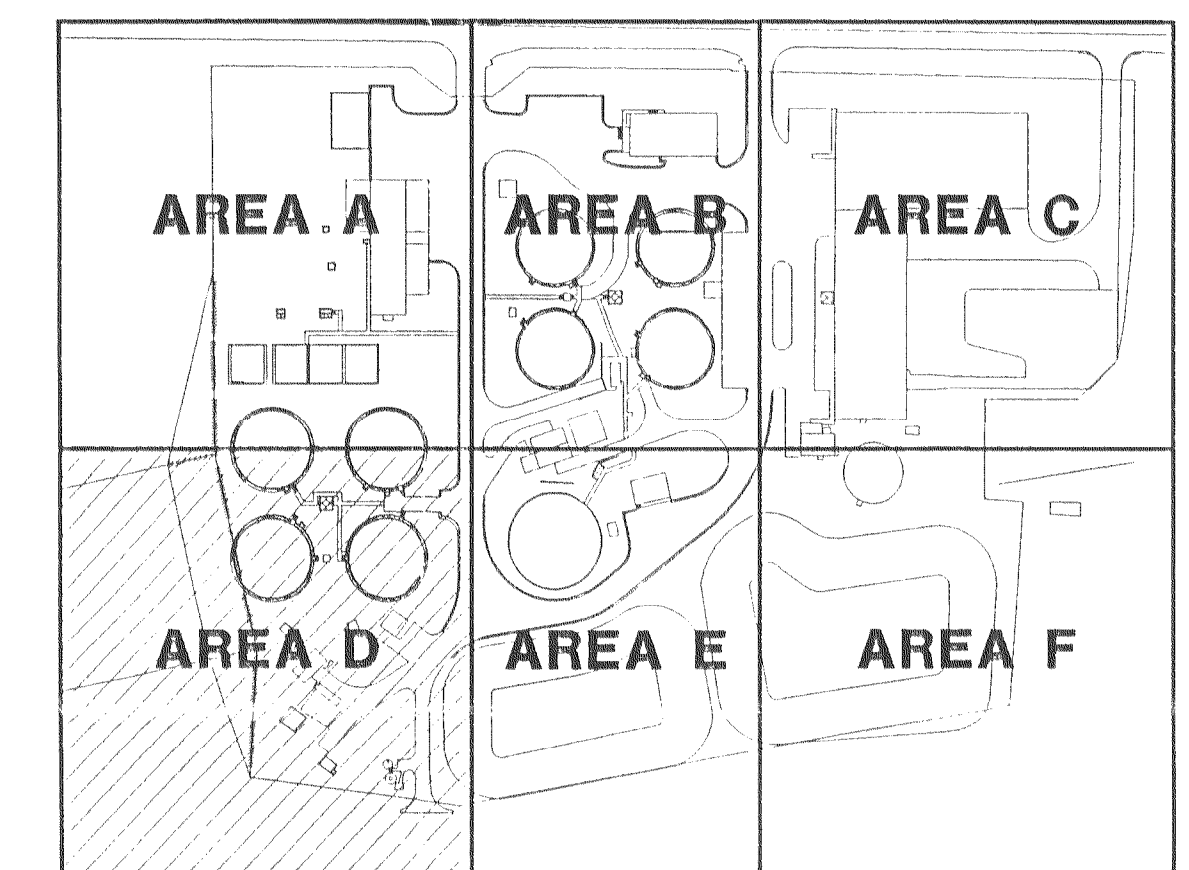
EXISTING 30" FM TO BE ABANDONED (TYP.)

Remove Temporary Fence & Gate & Install New Fence and Gate Along Easterly Boundary of the Archeological Site Prior to Beginning Construction of any Items on Project. "Archeological Site to Remain Undisturbed" During Construction.

ARCHAEOLOGICAL SITE LIMITS DO NOT DISTURB

EXISTING TEMPORARY FENCE TO BE REMOVED & RELACED WITH NEW FENCE.

EXISTING FENCE TO BE REMOVED (TYP.)



**SITE MAP INDEX KEY**

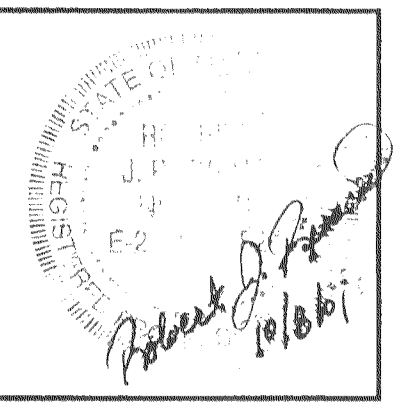
**PIPING LEGEND**

PROCESS	ITEM	SIZE	TYPE	DESCRIPTION
PRIMARY TREATMENT	A1	8	DIP	WAS GRAVITY EFFLUENT
PRIMARY TREATMENT	A2	16	DIP	FLOW EQUALIZATION BASIN DRAIN LINE
PRIMARY TREATMENT	A3	18	DIP	FLOW EQUALIZATION BASIN DRAIN LINE
PRIMARY TREATMENT	A4	20	DIP	INFLUENT FORCE MAIN
PRIMARY TREATMENT	A5	14	DIP	INFLUENT FORCE MAIN
PRIMARY TREATMENT	A6	12	DIP	FLOW EQUALIZATION INLET
PRIMARY TREATMENT	A7	36	DIP	HEADWORK/GRIT TANK EFFLUENT
PRIMARY TREATMENT	A8	36	DIP	DISTRIBUTION BOX NO. 1 INFLUENT
PRIMARY TREATMENT	A9	18	DIP	PRIMARY CLARIFIER INFLUENT
PRIMARY TREATMENT	A10	18	DIP	PRIMARY CLARIFIER EFFLUENT
PRIMARY TREATMENT	A11	24	DIP	JUNCTION BOX NO. 4 EFFLUENT
PRIMARY TREATMENT	A12	3	PVC	PRIMARY CLARIFIER SCUM DISCHARGE
PRIMARY TREATMENT	A13	3	PVC	PRIMARY CLARIFIER SCUM DISCHARGE (NEW)
PRIMARY TREATMENT	A14	8	DIP	PRIMARY CLARIFIER SLUDGE WITHDRAW
PRIMARY TREATMENT	A15	3	PVC	PRIMARY CLARIFIER SCUM DISCHARGE
PRIMARY TREATMENT	A16	18	CIP	WAS HOLDING TANK EFFLUENT
PRIMARY TREATMENT	A17	12	DIP	SEPTAGE RECEIVING STATION DISCHARGE
PRIMARY TREATMENT	A18	8	DIP	SLUDGE DISCHARGE FORCE MAIN
PRIMARY TREATMENT	A19	24	DIP	INFLUENT GRAVITY SEWER
FINAL TREATMENT	B1	36	DIP	BIOFILTER EFFLUENT
FINAL TREATMENT	B2	36	DIP	BIOFILTER EFFLUENT
FINAL TREATMENT	B3	18	DIP	BIOFILTER RECYCLE FLOW
FINAL TREATMENT	B4	8	DIP	WASTE SLUDGE DISCHARGE
FINAL TREATMENT	B5	24	DIP	RECIRCULATED SLUDGE SUCTION
FINAL TREATMENT	B6	24	DIP	RECIRCULATED SLUDGE DISCHARGE
FINAL TREATMENT	B7	12	DIP	AERATION AIR
FINAL TREATMENT	B8	6	DIP	DIGESTED SLUDGE DISCHARGE
FINAL TREATMENT	B9	6	DIP	DIGESTED SLUDGE SUCTION
FINAL TREATMENT	B10	30	DIP	AERATION BASIN INFLUENT
FINAL TREATMENT	B11	30	DIP	AERATION BASIN EFFLUENT
FINAL TREATMENT	B12	36	DIP	AERATION BASIN EFFLUENT
FINAL TREATMENT	B13	30	DIP	FINAL CLARIFIER INFLUENT
FINAL TREATMENT	B14	18	DIP	FINAL CLARIFIER EFFLUENT
FINAL TREATMENT	B15	16	DIP	RETURN ACTIVATED SLUDGE
FINAL TREATMENT	B16	3	PVC	FINAL CLARIFIER SCUM DISCHARGE
FINAL TREATMENT	B17	3	PVC	FINAL CLARIFIER SCUM DISCHARGE
FINAL TREATMENT	B18	36	DIP	PLANT EFFLUENT
FINAL TREATMENT	B19	36	DIP	EMERGENCY OVERFLOW - ABANDON IN PLACE
FINAL TREATMENT	B20	36	DIP	PLANT EFFLUENT OVERFLOW
FINAL TREATMENT	B21	24	DIP	GRAVITY BY-PASS
FINAL TREATMENT	B22	30	DIP	OUTFALL FORCE MAIN
FINAL TREATMENT	B23	1 1/2"	PVC	CHLORINE SOLUTION LINE
FINAL TREATMENT	B24	10	DIP	AIR LINE
FINAL TREATMENT	B25	20	DIP	RECIRCULATED SLUDGE SUCTION
FINAL TREATMENT	B26	18	DIP	RECIRCULATED SLUDGE DISCHARGE
FINAL TREATMENT	B27	18	DIP	BIOFILTER EFFLUENT BYPASS
FINAL TREATMENT	B28	18	DIP	BIOFILTER EFFLUENT
BIO-SOLIDS TREATMENT	C1	24	DIP	PROCESS SEWERS
BIO-SOLIDS TREATMENT	C2	8	DIP	PROCESS SEWERS
BIO-SOLIDS TREATMENT	C3	6	DIP	PROCESS SEWERS
BIO-SOLIDS TREATMENT	C4	4	DIP	SEWERS
BIO-SOLIDS TREATMENT	C5	8	DIP	BLEND TANK OVERFLOW
BIO-SOLIDS TREATMENT	C6	12	DIP	FILTRATE RETURN (NOT USED)
BIO-SOLIDS TREATMENT	C7	N/A	N/A	
BIO-SOLIDS TREATMENT	C8	10	DIP	PROCESS WATER
BIO-SOLIDS TREATMENT	C9	16	DIP	PROCESS WATER
BIO-SOLIDS TREATMENT	C10	8	DIP	WAS THICKENER BYPASS
BIO-SOLIDS TREATMENT	C11	6	DIP	THICKENER SLUDGE
BIO-SOLIDS TREATMENT	C12	6	DIP	SLUDGE
BIO-SOLIDS TREATMENT	C13	8	DIP	SLUDGE
BIO-SOLIDS TREATMENT	C14	10	DIP	SLUDGE
BIO-SOLIDS TREATMENT	C15	8	DIP	WASTE ACTIVATED SLUDGE
BIO-SOLIDS TREATMENT	C16	8	DIP	AIR
MISC. SITE PIPING	D1	3	PVC	OFFICE BUILDING FORCE MAIN
MISC. SITE PIPING	D2	4	CIP	BLOWER BUILDING FORCE MAIN
MISC. SITE PIPING	D3	8	DIP	CITY WATER
MISC. SITE PIPING	D4	3	PVC	CITY WATER
MISC. SITE PIPING	D5	2	PVC	CITY WATER
MISC. SITE PIPING	D6	1 1/2"	PVC	CITY WATER
MISC. SITE PIPING	D7	1	PVC	CITY WATER
MISC. SITE PIPING	D8	4	DIP	DRAIN LINE
MISC. SITE PIPING	D9	1 1/2"	PVC	DRAIN LINE
MISC. SITE PIPING	D10	12"	RCP	YARD DRAIN LINE

**GENERAL SITE MAP - AREA D**

SCALE: 1" = 20'

**GBA**  
 GEORGE BUTLER ASSOCIATES, INC.  
 Engineers • Architects  
 Kansas • Missouri • Illinois



**WASTEWATER TREATMENT PLANT EXPANSION**  
**GENERAL SITE MAP - AREA D**  
 CITY OF O'FALLON, MISSOURI

JOB NO.: 9234  
 DATE: 10-08-2001

DESIGNED BY: TJS  
 DRAWN BY: TJS  
 CHECKED BY: RJR/TMS

SHEET NUMBER

**GO.09**