



**Curve Data**

③	Δ = 42°11'51"
	T = 43.99'
	R = 114.00'
	L = 83.96'
④	Δ = 42°11'51"
	T = 34.34'
	R = 89.00'
	L = 62.55'
⑤	Δ = 51°33'29"
	T = 72.58'
	R = 150.00'
	L = 135.20'
⑥	Δ = 28°24'25"
	T = 22.15'
	R = 87.50'
	L = 43.38'
⑦	Δ = 37°51'03"
	T = 30.52'
	R = 89.00'
	L = 30.52'
⑧	Δ = 99°57'06"
	T = 104.13'
	R = 87.50'
	L = 152.64'

Existing 4" Force Main lower as required to maintain 3' min. cover

Existing MH with submersible pump

2" Conc. Curb & Gutter (Typical)

Sta. 5+15 Drive "B" ± 25' Rt. Const. Std. 15' Driveway Entrance. Remove exist. gravel drive & Const. 6" gravel drive as shown. Match Existing drive.

EXISTING SLUDGE HOLDING POND

Sta. 5+10 Drive "B" 14' Lt. Const. Std. 20' Driveway Entrance. Remove exist. gravel drive & Const. 6" gravel drive as shown. Match Existing drives.

Note  
Fence, gates, concrete walkways, and concrete steps are not shown for clarity. See sht #4, Site Grading Plan for locations.

Scale: 1" = 20'

JUNCTION BOX NO. 3  
Sta. 5+38.42, 133.50 Rt.  
± Drive "A"

± Sta. 6+11.78 Drive "A"  
= ± Sta. 8+26.24 Drive "B"  
End Curb & Gutter. Begin Transition to 16' Wide Asphalt Roadway Section.

Const. Std. 6' dia. Precast Shallow Manhole. See Sht. No. 65 for detail.

Install 6" Plug & Thrust block  
Sta. 6+15.47 Rt.  
± Drive "A"

± Sta. 7+07.33 Drive "A"  
End Transition. Begin 16' Asph. Roadway Sect. See Sht. No. 60 for detail.

Remove Exist 24" Flap Gate

Sta. 6+79, 5' Rt.  
Adjust Manhole from Exist. Top El. 156.50 to Prop. Top El. 155.13  
See detail Sht. No. 60.

EPA PROJECT NO. C291090 Rev. 2-82 MKK

**GBA**  
GEORGE BUTLER ASSOCIATES  
CONSULTING ENGINEERS/ARCHITECTS  
LANDSCAPE ARCHITECTS/PLANNERS

OFFICES:  
SUITE 305-A FAIRWAY OFFICE CENTER  
4210 JORDISON DRIVE / SHAWNEE MISSION / KANSAS 66205  
1100 CITY CENTER SQUARE  
1100 MAIN / KANSAS CITY / MISSOURI 64105  
SUITE 134 LAKESIDE PLAZA II  
6700 CORPORATE DRIVE / KANSAS CITY / MISSOURI 64120

WASTEWATER TREATMENT  
PLANT EXPANSION  
SITE PIPING &  
DIMENSIONAL PLAN-2  
CITY OF O'FALLON, MISSOURI

JOB NO. 79-2065  
DATE July 30, 1981  
SCALE 1" = 20'  
SHEET NO. 7 OF 88

DESIGNED BY WCC/JEB DRAWN BY C. Royce CHECKED BY W.A.C.