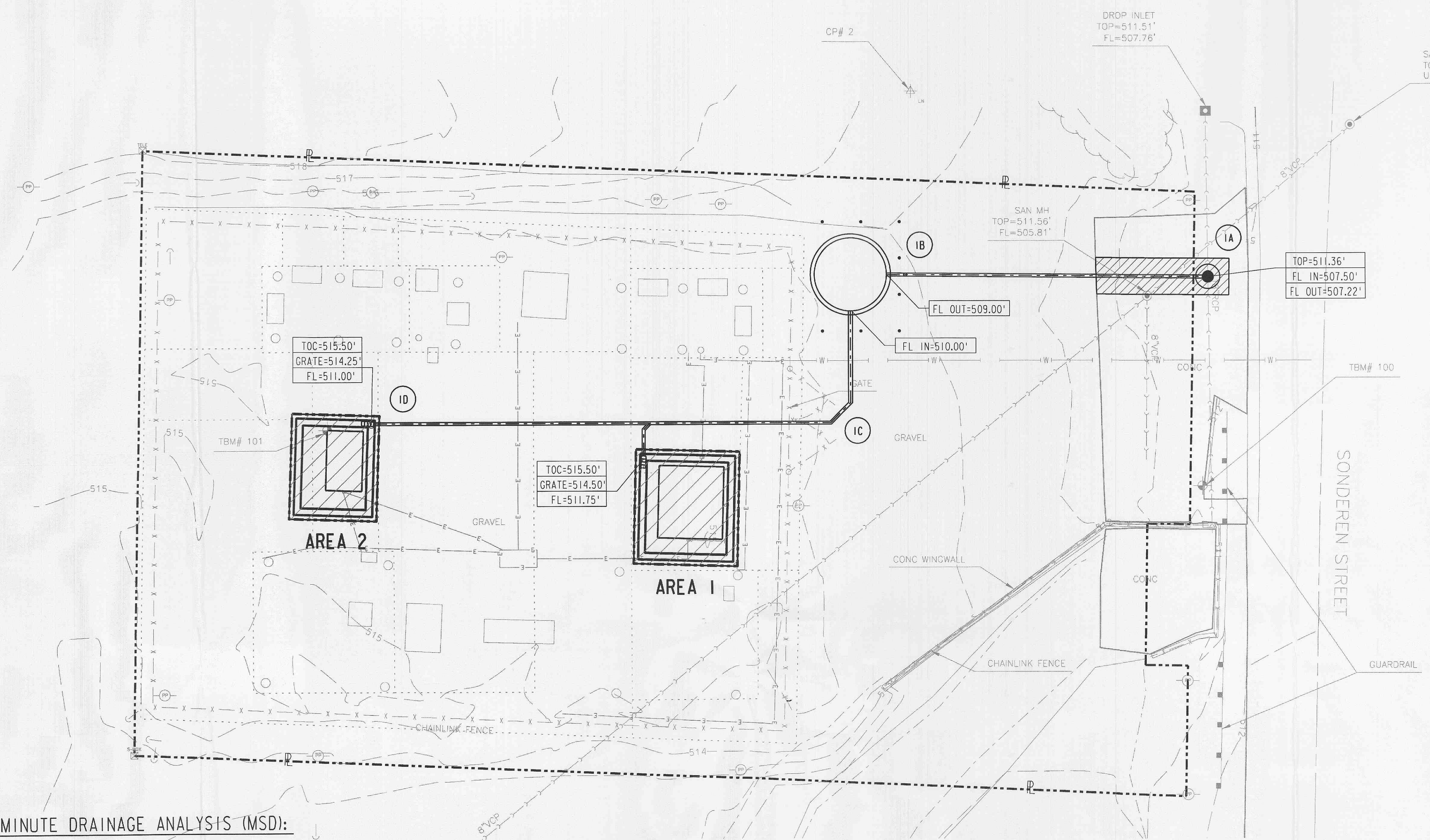
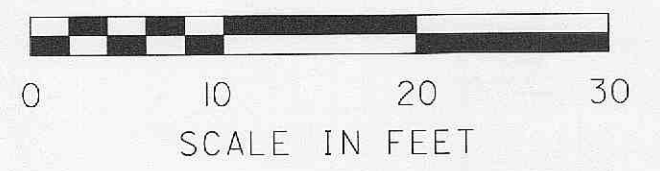


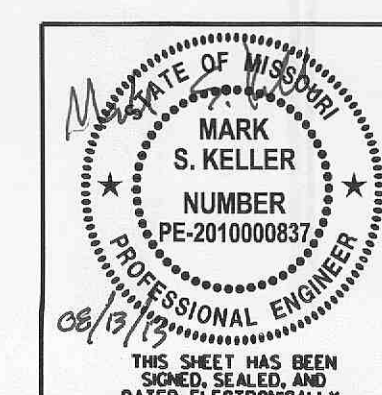
PLAN



15-YEAR, 20-MINUTE DRAINAGE ANALYSIS (MSD):

Existing Drainage Area Summary:				
Area Title:	Description:	Description	MSD PI	Flow (Q)
OVERALL EXISTING		Roof= 0 sq. ft. = 0.00 acres x 4.20 = 0.00		
		Pavement= 189 sq. ft. = 0.00 acres x 3.54 = 0.02		
		Lawn= 0 sq. ft. = 0.00 acres x 1.70 = 0.00		
		Gravel= 391 sq. ft. = 0.01 acres x 3.07 = 0.03		
Q=PI*A	Q= flow (cfs)	Area Total= 580 sq. ft. = 0.01 acres	Total Q =	0.05
	PI= PI factor (MSD)			
	A=area (acres)			
Proposed Drainage Area Summary:				
Area Title:	Description:	Description	MSD PI	Flow (Q)
AREA 1	TRANSF UNIT D	Roof= 0 sq. ft. = 0.00 acres x 4.20 = 0.00		
		Pavement= 327 sq. ft. = 0.01 acres x 3.54 = 0.03		
		Lawn= 0 sq. ft. = 0.00 acres x 1.70 = 0.00		
		Gravel= 0 sq. ft. = 0.00 acres x 3.07 = 0.00		
Q=PI*A	Q= flow (cfs)	Area Total= 327 sq. ft. = 0.01 acres	Total Q =	0.03
	PI= PI factor (MSD)			
	A=area (acres)			
AREA 2	TRANSF UNIT W	Roof= 0 sq. ft. = 0.00 acres x 4.20 = 0.00		
		Pavement= 253 sq. ft. = 0.01 acres x 3.54 = 0.02		
		Lawn= 0 sq. ft. = 0.00 acres x 1.70 = 0.00		
		Gravel= 0 sq. ft. = 0.00 acres x 3.07 = 0.00		
Q=PI*A	Q= flow (cfs)	Area Total= 253 sq. ft. = 0.01 acres	Total Q =	0.02
	PI= PI factor (MSD)			
	A=area (acres)			
TOTALS				
		Roof= 0 sq. ft. = 0.00 acres x 4.20 = 0.00		
		Pavement= 580 sq. ft. = 0.01 acres x 3.54 = 0.05		
		Lawn= 0 sq. ft. = 0.00 acres x 1.70 = 0.00		
		Gravel= 0 sq. ft. = 0.00 acres x 3.07 = 0.00		
Q=PI*A	Q= flow (cfs)	Area Total= 580 sq. ft. = 0.01 acres	Total Q =	0.05
	PI= PI factor (MSD)			
	A=area (acres)			
PROJECT DIFFERENTIAL				
		Roof= 0 sq. ft. = 0.00 acres x 4.20 = 0.00		
		Pavement= 391 sq. ft. = 0.01 acres x 3.54 = 0.03		
		Lawn= 0 sq. ft. = 0.00 acres x 1.70 = 0.00		
		Gravel= -391 sq. ft. = -0.01 acres x 3.07 = -0.03		
Q=PI*A	Q= flow (cfs)	Area Total= 0 sq. ft. = 0.00 acres	Total Q =	0.00
	PI= PI factor (MSD)			
	A=area (acres)			

- REFERENCES:
- TOPOGRAPHIC SURVEY ----- 641295
 - BOUNDARY SURVEY ----- 641296
 - PROPERTY - CITY AND UTILITY PLAN ----- 641297



REV	PROJ ID	DATE	DRWN	RVM	APPD	DRAINAGE AREA MAP	
							SONDEREN SUBSTATION
						641406	REV 0

FILE: 641406_DRAINAGE AREA MAP.dgn
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