

BCED
 GILMORE
 ROAD CULVERT
 53X83
 DAE - 196 SR
 R25 1B3
 R100 250



NO.	DATE	REVISIONS

WAL-MART STORES, INC.
 PROJECT: W-102-501-01
 TITLE: GRADING PLAN
 DATE: 11/20/01
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]
 1 OF 1

STORM SEWER STRUCTURE SCHEDULE			
NO.	STRUCTURE	DEPTH	INVERT
1	CONCRETE	78" x 78"	242.27 (107.56)
2	CONCRETE	78" x 78"	242.50 (107.92)
3	CONCRETE	78" x 78"	242.50 (107.92)
4	CONCRETE	78" x 78"	242.50 (107.92)
5	CONCRETE	78" x 78"	242.50 (107.92)
6	CONCRETE	78" x 78"	242.50 (107.92)
7	CONCRETE	78" x 78"	242.50 (107.92)

GRADING NOTES
 1. CONSTRUCTION IS TO BE ACCORDING TO THE SPECIFICATIONS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS OF THE STATE OF MISSISSIPPI, LATEST EDITION, AS AMENDED.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
 3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES.
 5. THE CONTRACTOR SHALL MAINTAIN THE PROPOSED GRADING THROUGHOUT THE LIFE OF THE PROJECT.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND VEGETATION.
 7. THE CONTRACTOR SHALL MAINTAIN THE PROPOSED GRADING THROUGHOUT THE LIFE OF THE PROJECT.
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND VEGETATION.
 9. THE CONTRACTOR SHALL MAINTAIN THE PROPOSED GRADING THROUGHOUT THE LIFE OF THE PROJECT.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES AND VEGETATION.

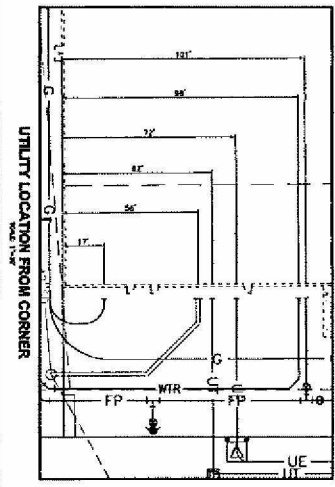
WAL-MART

South Basin

Storm Frequency	Existing Peak Outflow (CFS)	Proposed Peak Outflow (CFS)	Proposed Peak Outflow Routed thru Basin (CFS)	% Reduction
2-Year	51.9	101.2	13.0	75%
10-Year	91.3	151.3	16.5	82%
25-Year	115.2	172.7	17.7	85%
50-Year	125.6	189.6	18.6	85%
100-Year	149.9	223.3	20.3	86%
10-Yr Pre vs. 100-Yr Post	91.3	--	20.3	78%

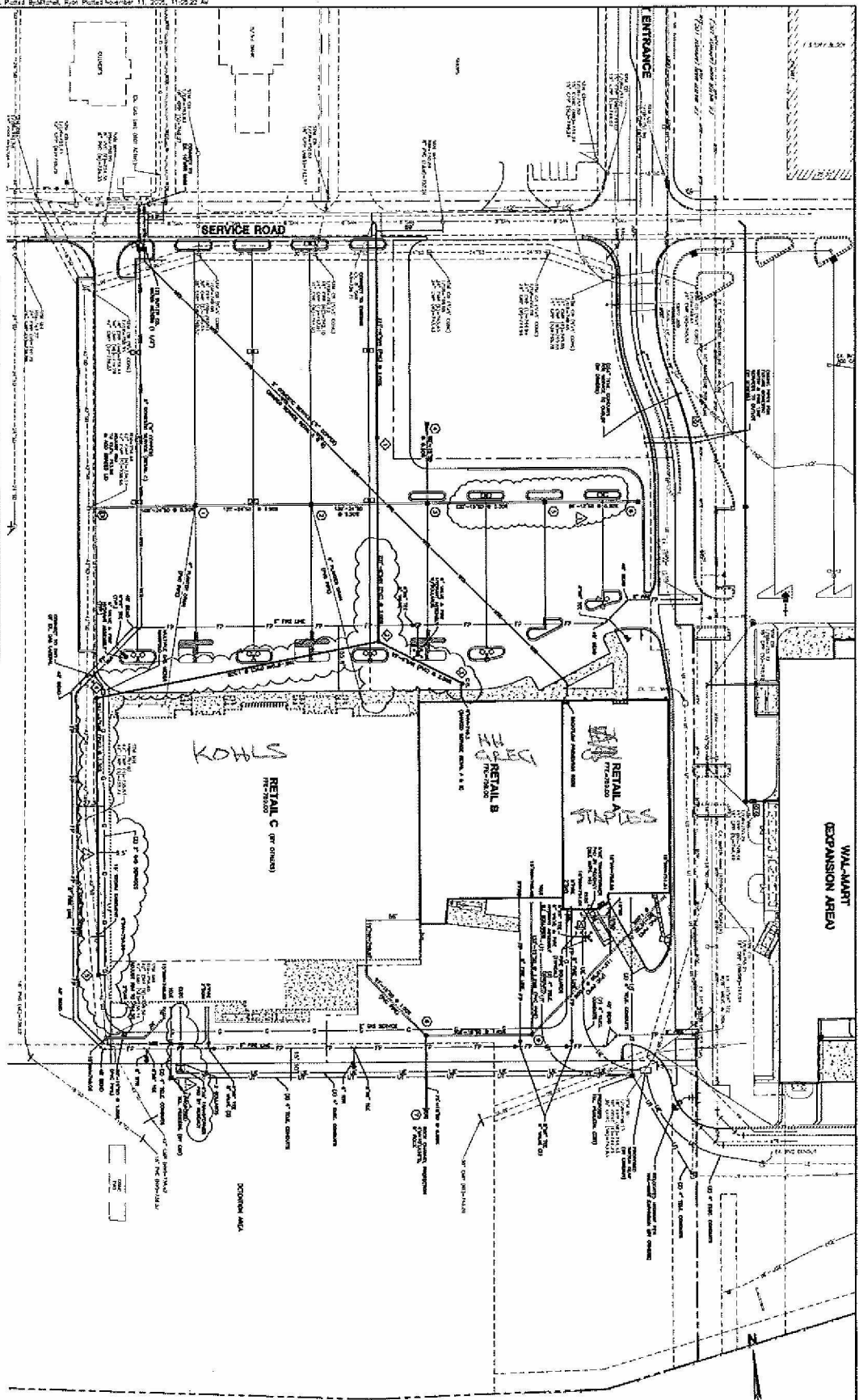
CONCLUSION

As designed, the on-site storm network will control a 100-year storm. The North storm water detention basin is sized to hold the 24-hour 100-year storm with a discharge of 31.9 cfs, which is 6.5 cfs (17%) less than the required existing 10-year storm event of 38.4. As for the South storm water detention basin, it has also been sized to hold the 24-hour 100-year storm with a discharge of 20.3 cfs, which is 71.0 cfs (78%) less than the required existing 10-year storm event of 91.3.



- 1. ALL UTILITIES SHOWN ARE BASED ON THE MOST RECENT RECORD DRAWINGS AND FIELD SURVEY DATA.
- 2. UTILITIES SHOWN WITHIN THE PROPERTY LINES ARE ASSUMED TO BE UNDER THE OWNERSHIP OF THE PROPERTY OWNER.
- 3. UTILITIES SHOWN OUTSIDE THE PROPERTY LINES ARE ASSUMED TO BE UNDER THE OWNERSHIP OF THE APPROPRIATE UTILITY COMPANY.
- 4. THE LOCATION OF UTILITIES IS BASED ON THE MOST RECENT RECORD DRAWINGS AND FIELD SURVEY DATA.
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UTILITY LEGEND	
Symbol	Description
Symbol	PROPOSED WATER MAIN
Symbol	PROPOSED SANITARY SEWER
Symbol	PROPOSED FIRE MAIN
Symbol	PROPOSED GAS MAIN
Symbol	PROPOSED RAINFALL
Symbol	PROPOSED ELECTRICAL
Symbol	PROPOSED COMMUNICATIONS
Symbol	PROPOSED CABLE TV
Symbol	PROPOSED OTHER SEWER
Symbol	PROPOSED OTHER WATER
Symbol	PROPOSED OTHER GAS
Symbol	PROPOSED OTHER RAINFALL
Symbol	PROPOSED OTHER ELECTRICAL
Symbol	PROPOSED OTHER COMMUNICATIONS
Symbol	PROPOSED OTHER CABLE TV

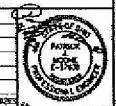


C400

INDIAN SPRINGS MARKET CENTER
 REGENCY CENTERS
 PRODUCTION ROAD AT BYPASS 4
 FAIRFIELD TOWNSHIP, BUTLER COUNTY, OHIO

WOOLPERT, INC.
 4141 Roslyn Drive
 Cincinnati, Ohio
 45209-1183
 513.272.8300
 513.272.8301

PROJECT No.	No.	DATE	REVISION
43924-05		12-13-09	
DES. LWS			
DR. JMK			
CHK. PJM			



11/1/10 ADDED 10" DIA. CONDUITS / REVISION TO PIPE SIZES