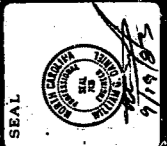


**William G. Daniel & Associates**  
 CONSULTING ENGINEERS  
 1152 Executive Circle, Suite 201  
 Cary, North Carolina 27511



PROJECT  
**COLONIAL SELF STORAGE**  
 Cary, North Carolina

DATE  
 31 August '81

SCALE  
 1" = 20'

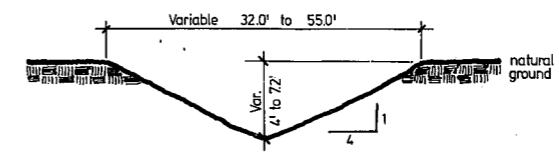
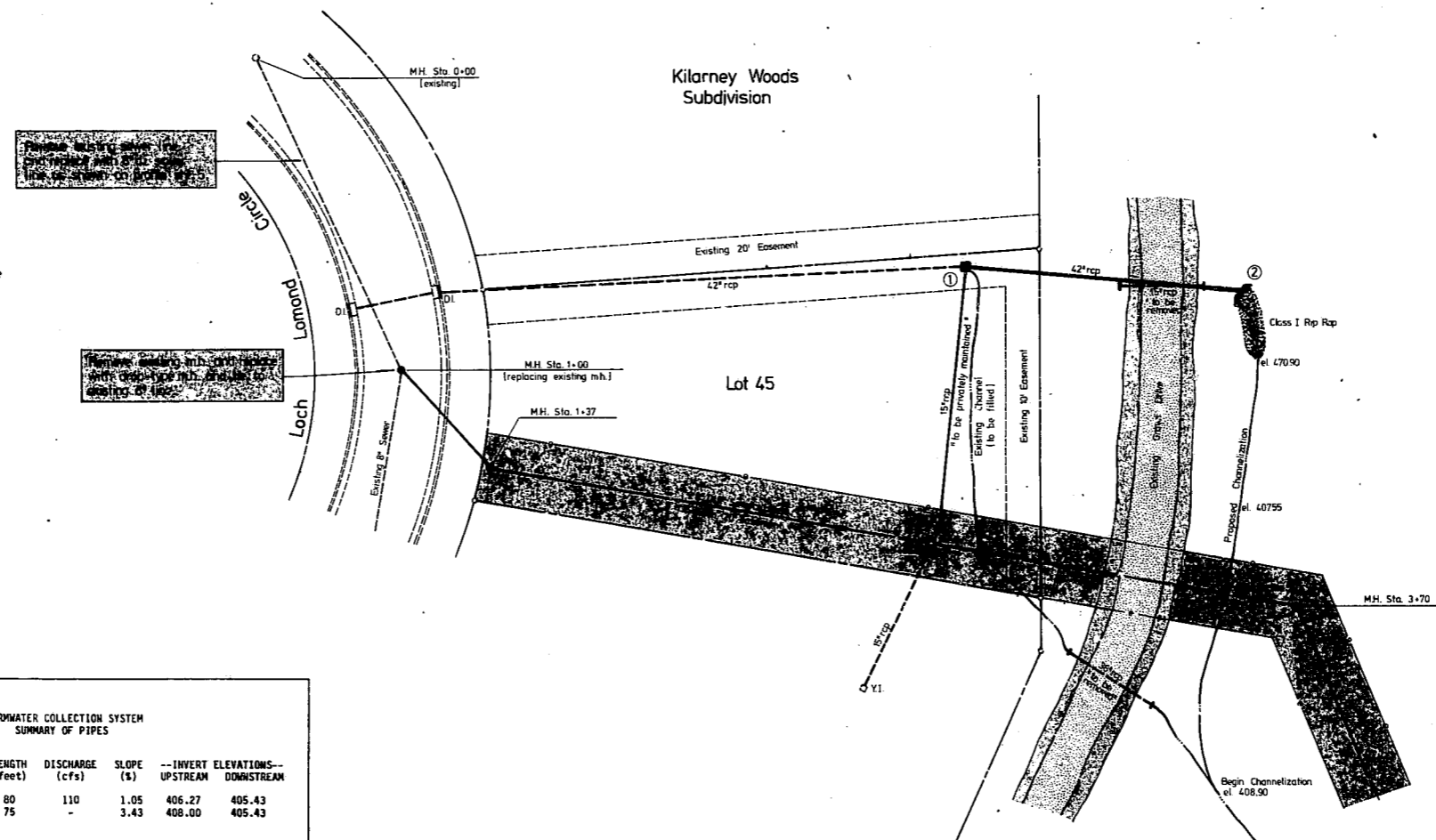
SHEET  
**4**  
 OF

DRAWN BY  
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REVISIONS

1	As per notes
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Note: Contractor shall coordinate any service interruption or temporary plugging of existing lines with the Town of Cary Public Works Dept.



Channel Detail

**STORMWATER COLLECTION SYSTEM  
SUMMARY OF PIPES**

FROM	TO	DIAMETER (inches)	LENGTH (feet)	DISCHARGE (cfs)	SLOPE (%)	INVERT ELEVATIONS-- UPSTREAM DOWNSTREAM
2	1	42	80	110	1.05	406.27 405.43
3	2	15	75	-	3.43	408.00 405.43

NOTES: All pipe is Reinforced Concrete, ASTM C 76, Class III.  
 Discharge refers to the ten-year event.

**STORMWATER COLLECTION SYSTEM  
SUMMARY OF STRUCTURES**

STRUCTURE IDENTIFIER	TYPE	RIM ELEVATION	INVERT ELEVATION IN	INVERT ELEVATION OUT
1	YI	410.00**	405.43	405.23
2	HW	-	-	406.2
3	GI	411.50**	408.20	408.00

NOTES: YI is Yard Inlet, Town of Cary Standard Detail 8.01.  
 GI is Grated Inlet, Town of Cary Standard Detail 8.02.  
 HW is Headwall, Town of Cary Standard Detail 8.08, 8.09 or 8.10.  
 Rim Elevation is top-of-casting.  
 \*\* Confirm in field.