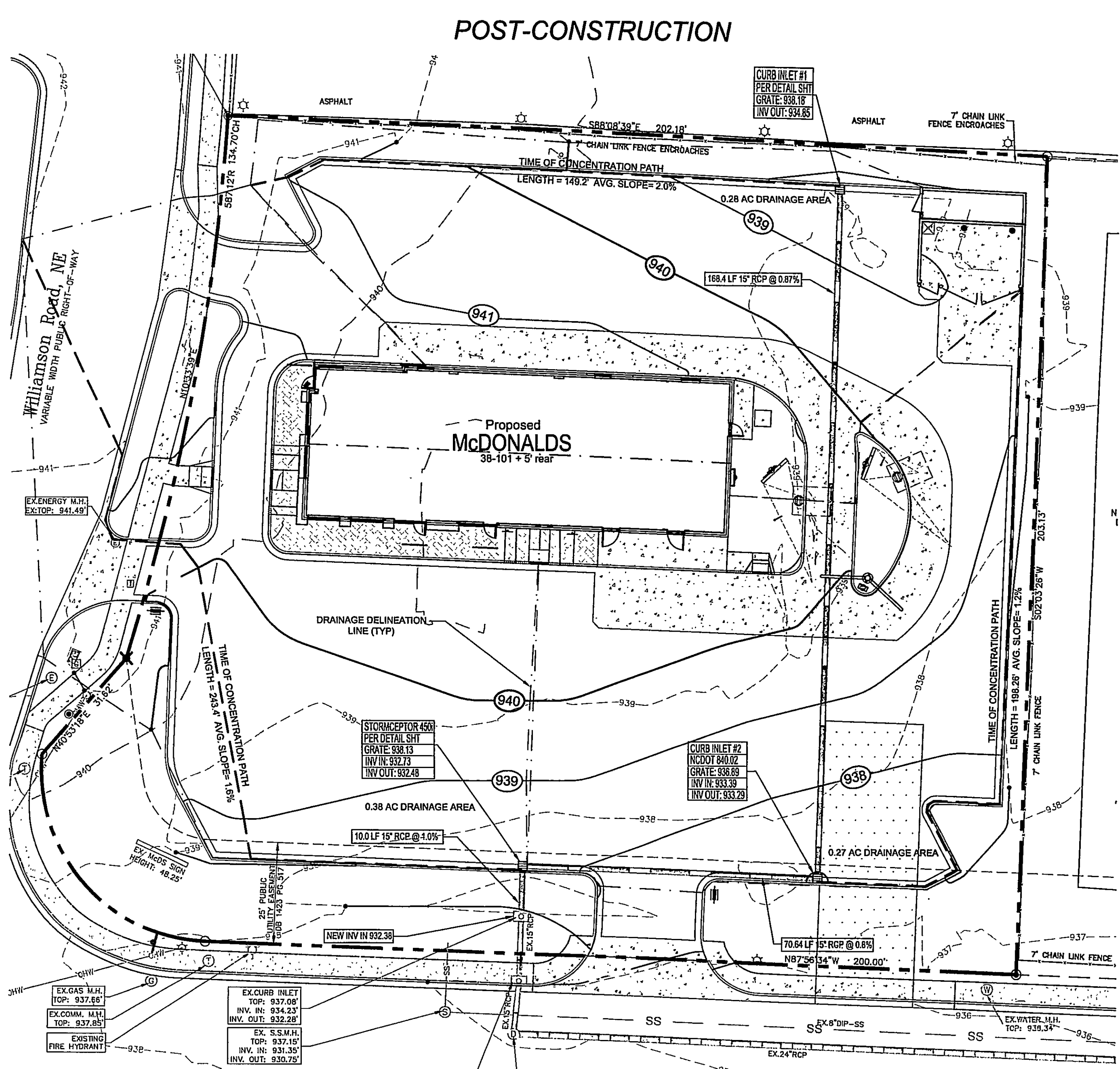
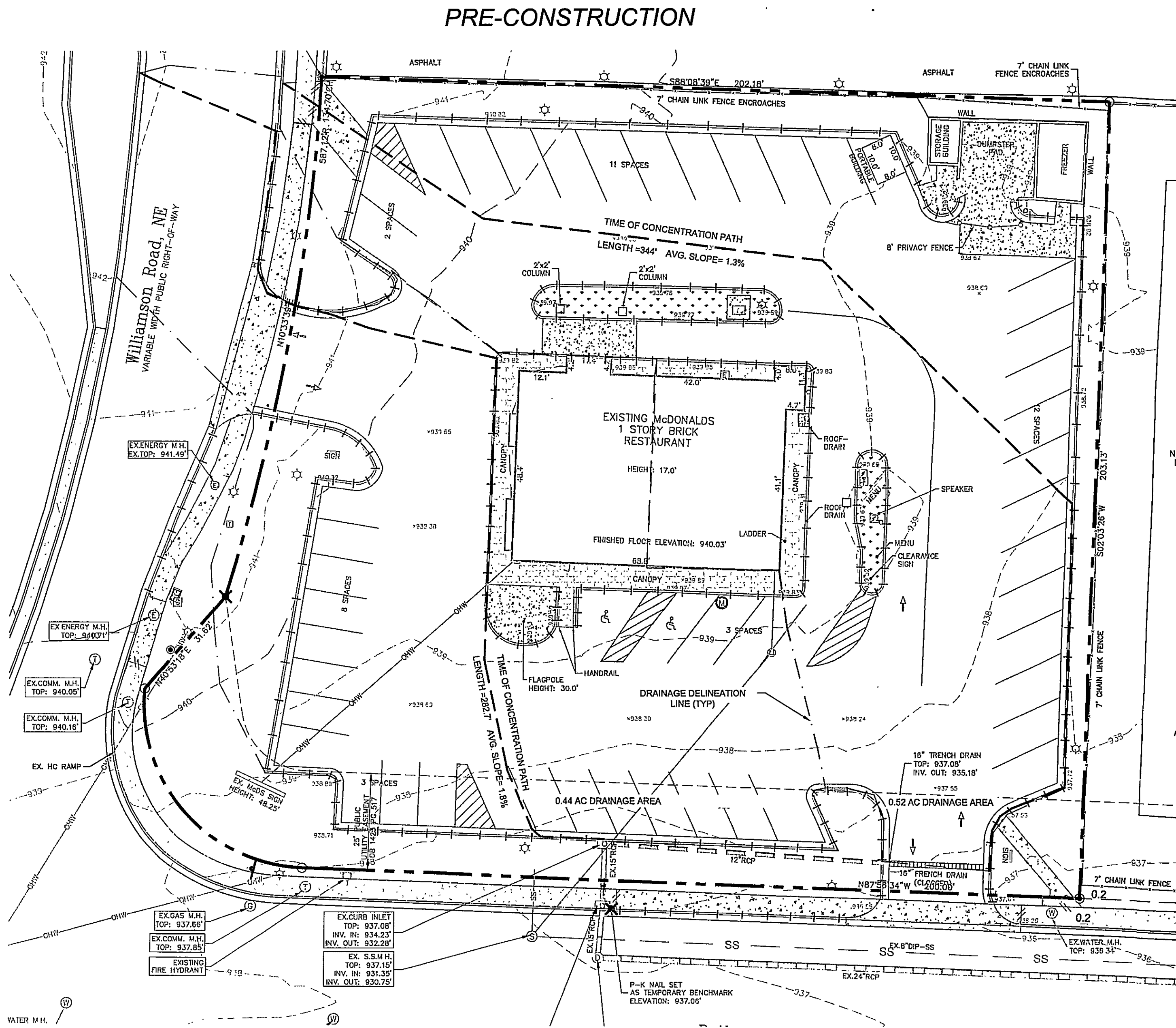




STORM DRAINAGE DESIGN DATA:

STORM FREQUENCY: 10 YEAR

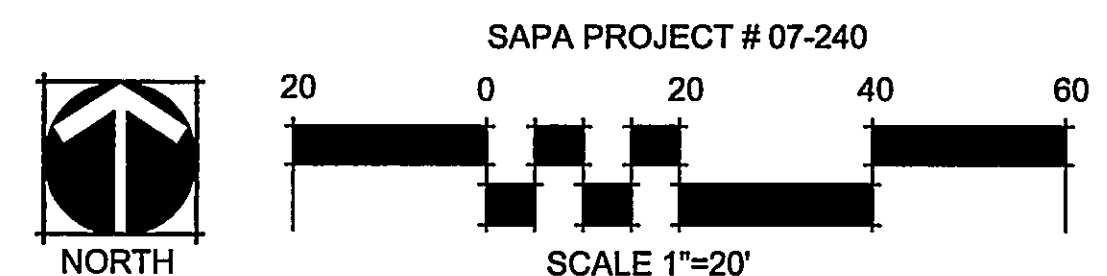
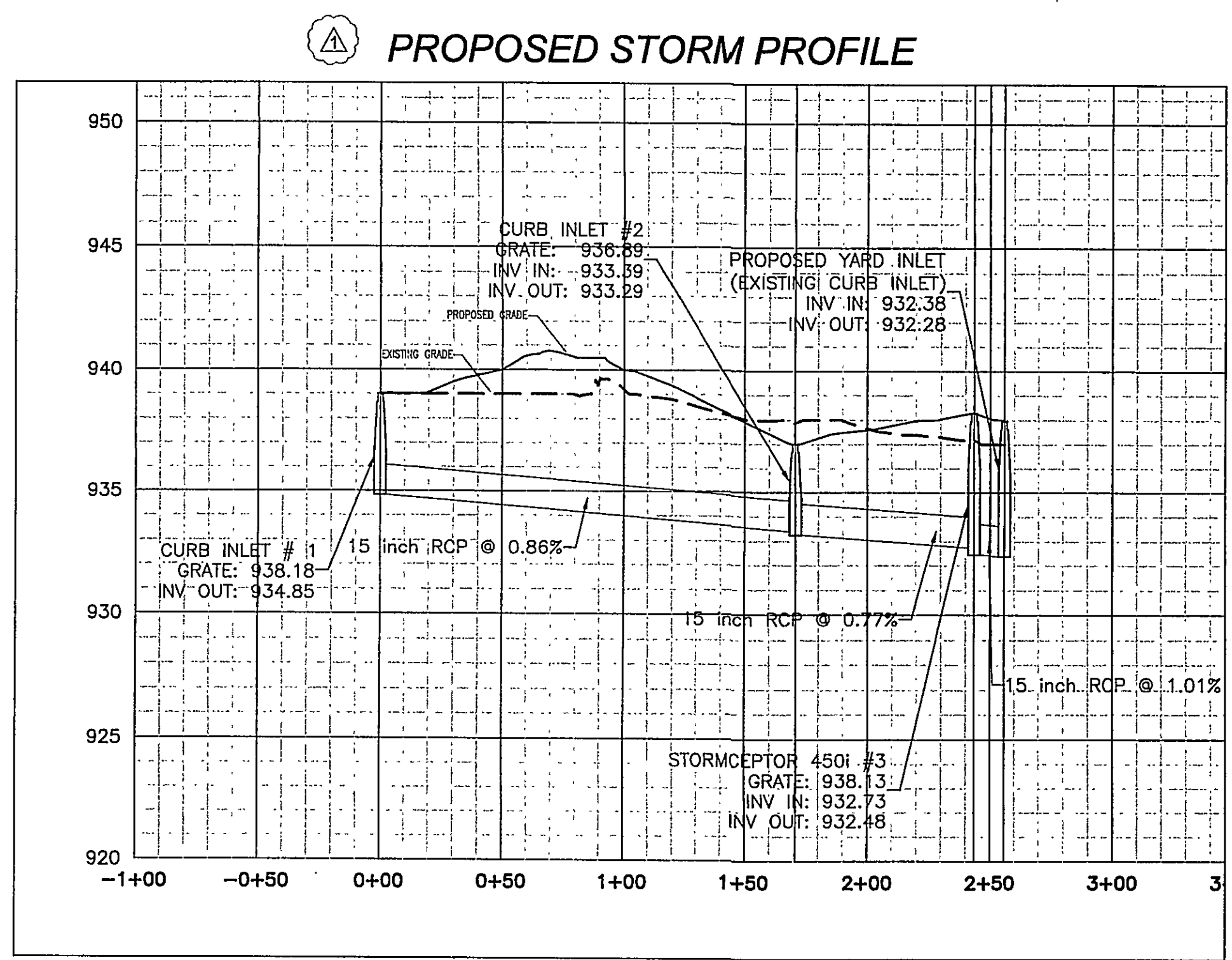
From	To	Line Length (ft)	Incr. Area (Ac)	Total Area (Ac)	Runoff Coeff.	Inlet Time (min)	Total Flow (cfs)	Velocity Avg. (ft/s)	Capac. Full (cfs)	Velocity Full (ft/s)	Pipe Size (in)	Pipe Slope (%)
C1 1	C1 2	168.4	0.28	0.28	0.86	5	1.14	2.74	6.01	4.90	15	0.87
C1 2	C1 3	70.6	0.27	0.55	0.94	5	2.25	3.02	5.79	4.72	15	0.80
C1 3	C1 EX.	10.0	0.38	0.93	0.89	5	3.73	4.67	6.47	5.27	15	1.00

STORM FREQUENCY: 2 YEAR

From	To	Total Flow (cfs)	Velocity Avg. (ft/s)
C1 1	C1 2	0.86	2.10
C1 2	C1 3	1.68	2.80
C1 3	C1 EX.	2.79	3.83

SITE INFORMATION

SITE ADDRESS:	701 WILLIAMSON ROAD	MAP REFERENCE INFO:	TAX # 3025003 DB 1402, PG 174 LOT 5A DB 1402, PG 182
FINANCIALLY RESPONSIBLE CONTACT:	SCOTT THOMPSON c/o McDONALDS USA, LLC 4601 SIX FORKS ROAD - SUITE 200 RALEIGH, N.C. 27609 TELEPHONE: (919) 326-4246	DESIGNER:	STIMMEL ASSOCIATES, PA 601 N. TRADE STREET SUITE 200 WINSTON-SALEM, NC 27101 Phone: 336-723-1067 Fax: 336-723-1069
ZONING:	CG (COMMERCIAL-GENERAL DISTRICT)	SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE AS DEFINED BY F.E.M.A. MAP PANEL NUMBER 51161C0046D 0130.	
EXISTING USE:	RESTAURANT WITH DRIVE-THRU		
PROPOSED USE:	RESTAURANT WITH DRIVE-THRU		



PARKING INFORMATION						
TOTAL SPACES	2	HANDICAP SPACES	8.0'	X	21.0'	@ 60 *
	32	SPACES	9.0'	X	21.0'	@ 60 *
	3	SPACES	9.0'	X	21.0'	@ 90 *
	3	SPACES	9.0'	X	19.0'	@ 90 *
40						
UTILITY INFORMATION						
SIZE		TYPE		LOCATION		
SANITARY SEWER		8" DIP IN RUTHERFORD AVE.				
WATER		12" LINE - WILLIAMSON ROAD				
STORM SEWER		EXISTING SYSTEM TIES IN TO MANHOLE. 24" RCP IN RUTHERFORD AVE.				
ELECTRIC		OVERHEAD AT SOUTHEAST CORNER OF PROPERTY				
GAS		ALONG WILLIAMSON ROAD				
SURVEY INFORMATION						
PREPARED BY:		REGIONAL LAND SURVEYORS, INC. 8642 W. MARKET ST. SUITE 100 GREENSBORO, NC 27409 336-685-6155				
DATE OF SURVEY:		8-20-07				
PLAN SCALE: 1" = 20'						
STREET ADDRESS 701 WILLIAMSON ROAD						
CITY ROANOKE			STATE VIRGINIA			
COUNTY -						
TAX PIN NUMBER 3025003			LOCATION CODE NUMBER 45-0174			
STIMMEL FILENAME: 07-240BASE.DWG						

BY: JAL

DATE: 06-02-08

REV: 1 05-05-08

DESCRIPTION: SITE DEVELOPMENT REVIEW COMMENTS

DATE: 06-02-08

REV: 2 06-02-08

DESCRIPTION: DEVELOPMENT REVIEW COMMENTS Round 2

Stimmel

Stimmel Associates, PA

Landscape Architecture
Civil Engineering
Land Planning

601 N. Trade Street Suite 200
Winston Salem, NC 27101-2916
P: 336.723.1067 F: 336.723.1069

COMMONWEALTH OF VIRGINIA

DOUGLAS W. STIMMEL
Cert. No. 5448

John W. Stimmel

McDonald's

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OFFICE ADDRESS: 4601 SIX FORKS ROAD - SUITE 200 - RALEIGH, NC 27609

REGIONAL MGR. DIRECTOR

REGIONAL CONSTRUCTION MGR.

REGIONAL REAL ESTATE MGR.

AREA CONSTRUCTION MGR.

CONTRACTOR

PLAN APPROVAL

SIGNATURE (S REQUIRED)

DATE

STATUS: FINAL

DATE: 03/06/08

BY: KB

PLAN CHECKED: 03/06/08

BY: JL

AS-BUILT

C-5.1 STORM DELINEATION PLAN