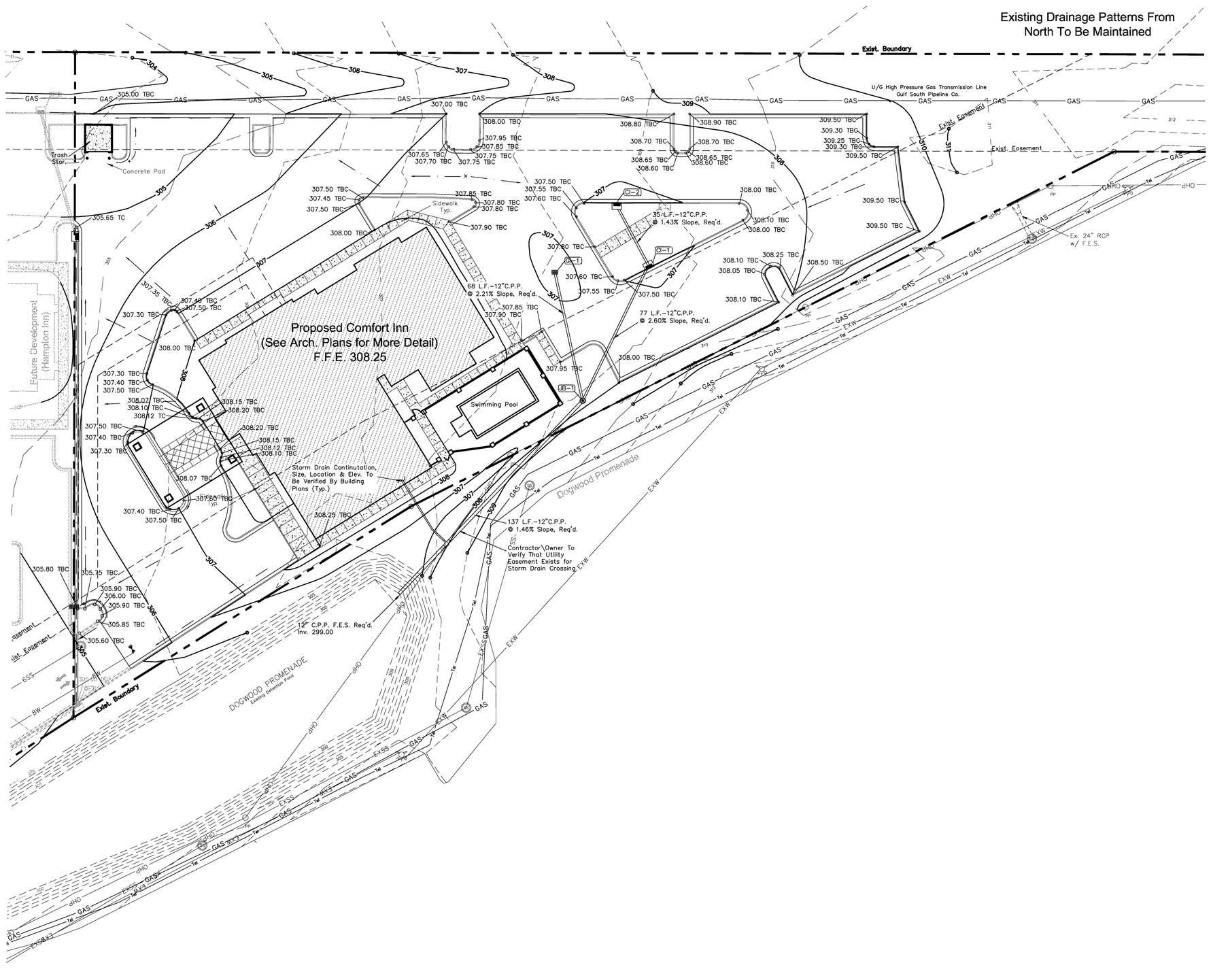

STORM DRAIN CALCULATIONS

DRAINAGE STRUCTURE	D.A. (AC.)	H_L (FT.)	S (%)	C	T_C (MIN.)	Q_{25} (CFS)
CI-1	0.25	250	2.00	0.85	6.00	2.18
CI-2	0.25	210	1.00	0.85	6.51	2.13
GI-1	0.16	45	1.00	0.95	2.77	1.87
ROOF DRAIN	0.28	120	1.00	0.95	3.73	3.04

* DRAINAGE AREAS (D.A.) AND FLOWS (Q_{25}) ARE FOR INDIVIDUAL INLETS.

NOTE:

DETENTION CALCULATIONS ARE SHOWN IN A SEPARATE DOCUMENT.

STORM DRAINAGE STRUCTURE DATA

CI-1	CI-2	GI-1	JB-1
TOP=307.00	TOP=307.00	TOP=306.50	TOP=308.00
I.I.=303.00	I.O.=303.50	I.O.=302.50	I.O.=301.00
I.O.=303.00			

TOP – ELEVATION OF THE TOP OF THE INLET GRATE & FRAME
I.I. – ELEVATION OF THE INVERT INTO THE INLET STRUCTURE
I.O. – ELEVATION OF THE INVERT OUT OF THE STRUCTURE

NOTES:

1. SEE NOTES ON SHEET C1.1 FOR MORE INFORMATION.
2. CONTRACTOR TO MATCH EXISTING GRADE AND CROSS SLOPE WHERE TYING TO EXISTING ROADS.
3. CONTRACTOR TO COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF GEOTECHNICAL REPORT.
4. FINISHED GRADE CONTOURS REPRESENT THE FINAL "IN-PLACE" ELEVATION. CONTRACTOR TO TAKE INTO ACCOUNT PAVING STRUCTURE, SIDEWALK, BUILDING SLAB, ETC. WHEN GRADING
5. TOPSOIL TO BE SPOILED ON-SITE.
6. CONTRACTOR TO CONTACT UTILITY COMPANIES WHEN WORKING NEAR ONE OF THEIR LINES.
7. IT IS RECOMMENDED THAT THE OWNER/CONTRACTOR RETAIN THE SERVICES OF BURNS, COOLEY, DENNIS OR OTHER REPUTABLE GEOTECHNICAL ENGINEERING FIRM FOR INSPECTIONS OF ALL EARTHWORK OPERATIONS.
8. C.P.P. TO BE ADS PIPE OR APPROVED EQUAL AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
9. CONTRACTOR MAY USE NYLOPLAST 2' x 3' GRATE INLET STRUCTURES IN LIEU OF CONCRETE STRUCTURES. INSTALLATION TO COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.

TOPOGRAPHIC SURVEY PREPARED BY CENTRAL MISSISSIPPI ENGINEERING, INC. AND ACCORDING TO THIS SURVEY PREPARE MAY 16, 2006 THE PROPERTY IS LOACTED IN FLOOD ZONE X ACCORDING TO FIRM MAP NO. 28121C 0177 E, 28121C 0179 E, 28121C 0181 E AND 28121C 0183 E DATED NOVEMBER 5, 2003. THE ELEVATIONS ARE NGVD 29 BASED ON REFERENCE MONUMENT "A-5-45 1938" (0M-27)

LEGEND

369.50 TC	:	PROPOSED SPOT ELEVATION
TC	:	TOP OF CONCRETE
TBC	:	TOP BACK OF CURB (6" HIGHER THAN CONCRETE)
	:	5 TONS 200# LOOSE RIP-RAP W/ FILTER FABRIC REQ'D.
	:	PROPOSED DRAIN PATH
349	:	FINISHED GRADE CONTOURS
349	:	EXISTING CONTOURS

NORTH

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

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DATE: 10/11/07
DRAWN: GAB
ALIGN:
REVISED:

PROJECT:
COMFORT INN
FLOWOOD, MS

CONTENTS:
GRADING & DRAINAGE PLAN

GREGORY ALLEN BENCH
REGISTERED PROFESSIONAL
ENGINEER
16335
STATE OF MISSISSIPPI

SHEET NUMBER
C3.2

PROJECT NUMBER
B-1348