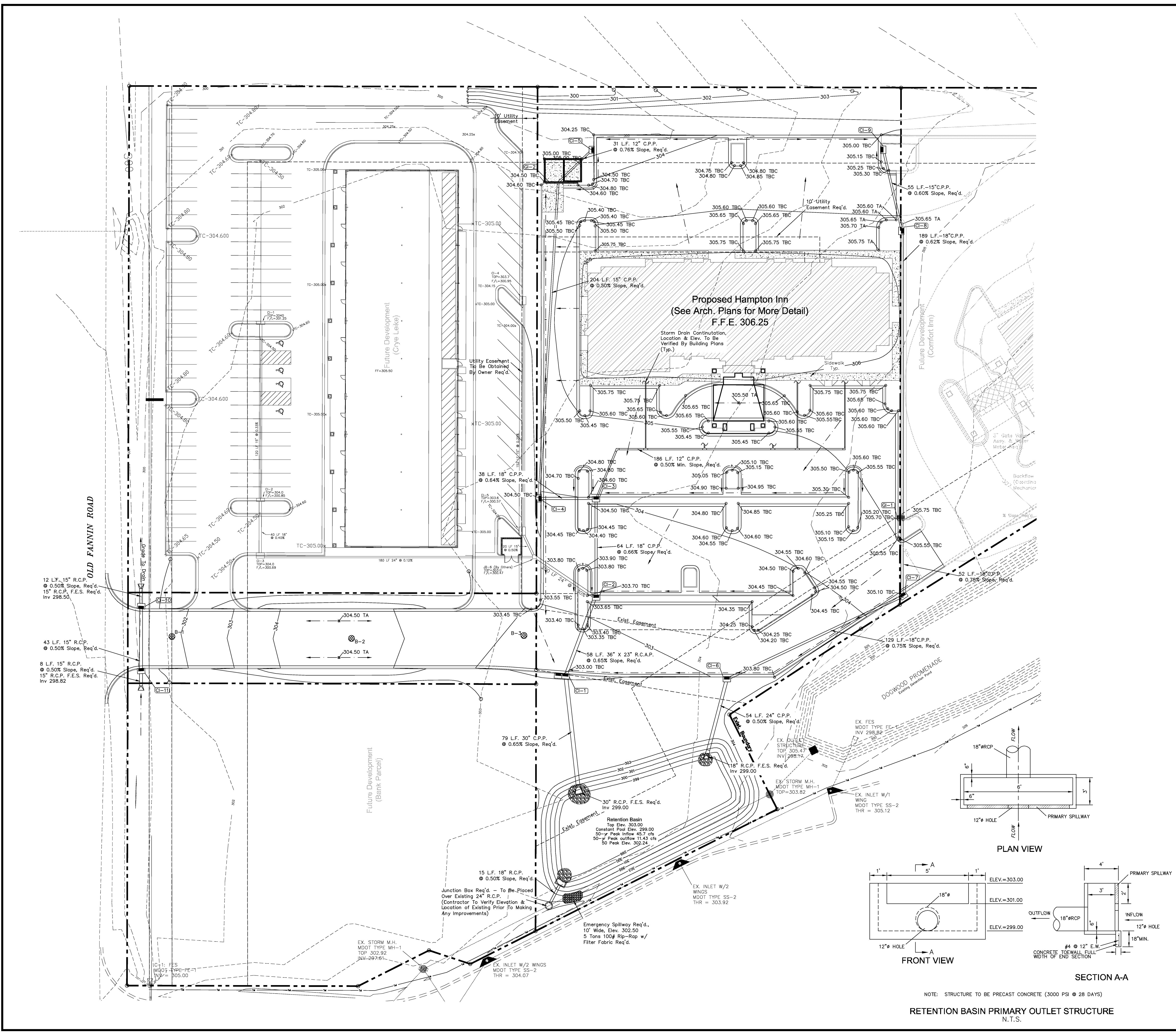




STORM DRAIN CALCULATIONS						
DRAINAGE STRUCTURE	D.A. (AC.)	H _L (FT.)	S (%)	C	T _C (MIN.)	Q ₂₅ (CFS)
CI-1	0.57	201	1.49	0.95	4.43	6.04
CI-2	0.23	177	0.56	0.95	5.20	2.34
CI-3	0.40	216	0.93	0.95	5.03	4.10
CI-4	0.08	118	2.54	0.95	3.26	0.91
CI-5	0.18	119	2.52	0.95	3.27	2.04
CI-6	0.15	188	1.60	0.95	4.26	1.60
CI-7	0.12	151	1.99	0.95	3.75	1.32
CI-8	0.13	101	2.97	0.95	2.97	1.50
CI-9	0.22	124	0.81	0.95	4.22	2.36
CI-10	0.14	135	2.00	0.95	3.60	1.56
CI-11	0.07	135	2.00	0.95	3.60	0.78
DRIVEWAY	0.14	250	1.00	0.50	18.71	0.45
GI-1	0.15	123	1.63	0.95	3.63	1.66
GI-2	0.07	85	1.76	0.95	3.11	0.80

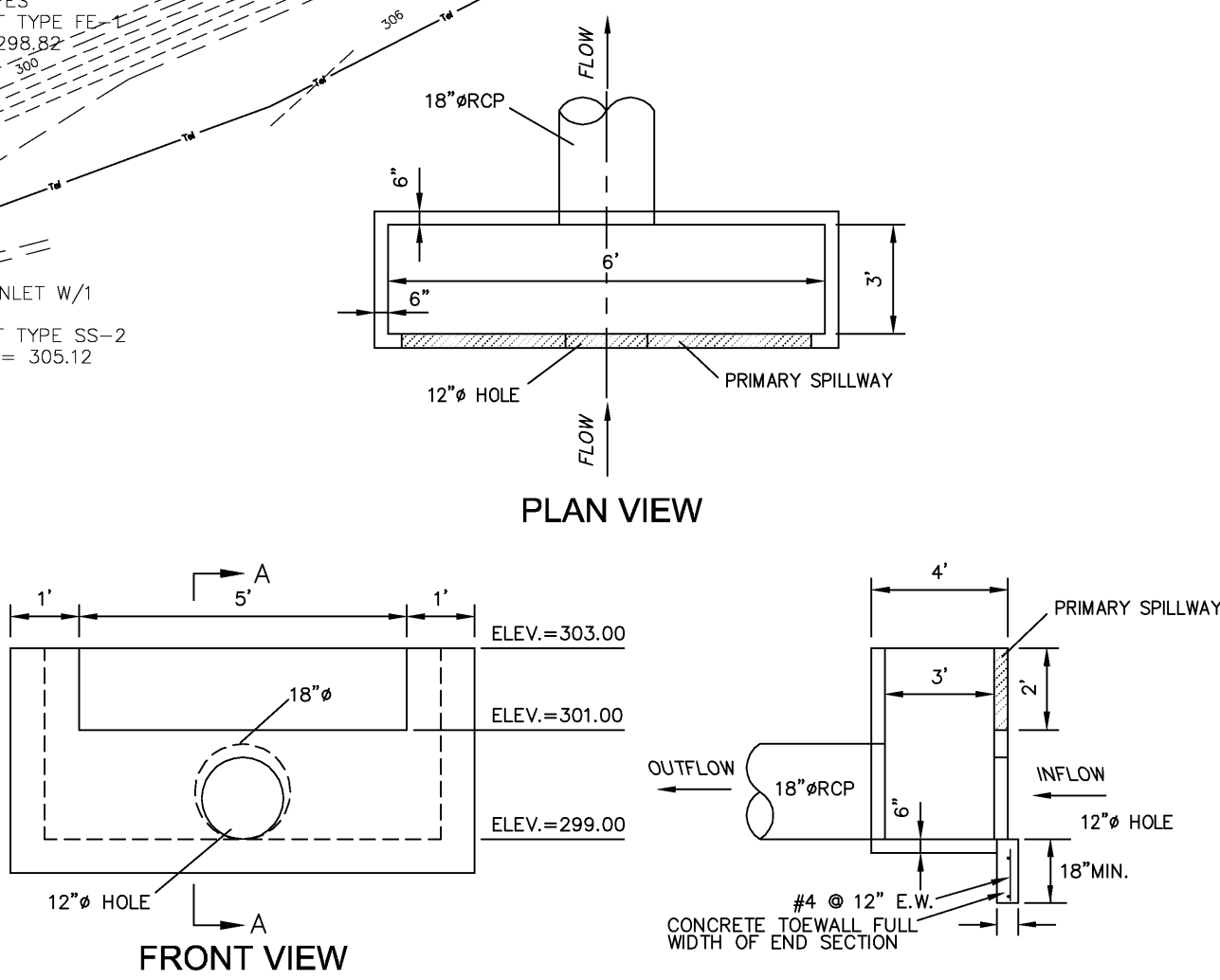
* DRAINAGE AREAS (D.A.) AND FLOWS (Q₂₅) ARE FOR INDIVIDUAL INLETS.

NOTE:
DETENTION CALCULATIONS ARE SHOWN IN A SEPARATE DOCUMENT.

STORM DRAINAGE STRUCTURE DATA			
CI-1 TOP=303.00 I.I.=299.51 I.O.=299.51	CI-2 TOP=303.60 I.I.=299.89 I.O.=299.89	CI-3 TOP=304.50 I.I.=300.31 I.O.=300.31	CI-4 TOP=304.50 I.I.=300.55 I.O.=300.55
CI-5 TOP=303.75 I.I.=299.41 I.O.=301.80	CI-6 TOP=303.60 I.I.=299.41 I.O.=299.41	CI-7 TOP=305.10 I.I.=300.38 I.O.=300.38	CI-8 TOP=305.65 I.I.=301.94 I.O.=301.94
CI-9 TOP=304.50 I.I.=301.57 I.O.=301.57	CI-10 TOP=301.75 I.I.=298.56 I.O.=298.56	CI-11 TOP=301.75 I.I.=298.78 I.O.=298.78	GI-1 TOP=305.70 I.I.=300.77 I.O.=300.77

- 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:
- SEE NOTES ON SHEET CI.1 FOR MORE INFORMATION.
 - CONTRACTOR TO MATCH EXISTING GRADE AND CROSS SLOPE WHERE TYING TO EXISTING ROADS.
 - CONTRACTOR TO COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF GEOTECHNICAL REPORT.
 - FINISHED GRADE CONTOURS REPRESENT THE FINAL "IN-PLACE" ELEVATION. CONTRACTOR TO TAKE INTO ACCOUNT PAVING STRUCTURE, SIDEWALK, BUILDING SLAB, ETC. WHEN GRADING.
 - TOPSOIL TO BE SPOILED ON-SITE.
 - CONTRACTOR TO CONTACT UTILITY COMPANIES WHEN WORKING NEAR ONE OF THEIR LINES.
 - 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.
 - C.P.P. TO BE ADS PIPE OR APPROVED EQUAL AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR MAY USE NYLOPLAST 2' x 3' GRATE INLET STRUCTURES IN LIEU OF CONCRETE STRUCTURES. INSTALLATION TO COMPLY WITH MANUFACTURER'S RECOMMENDATIONS.
 - RETENTION BASIN TO HAVE A MINIMUM DEPTH OF 4 FEET BELOW THE CONSTANT POOL ELEVATION WITH THE EXCEPTION OF THE SECTION OF THE BASIN THAT THE SEWER MAIN RUNS BENEATH. A MINIMUM OF 2 FEET OF COVER OVER THE STEEL CASING IS REQUIRED IN THIS AREA.
 - CI-10 AND CI-11 TO BE PRECAST PER CITY REQUIREMENTS.

TOPOGRAPHIC SURVEY PREPARED BY CENTRAL MISSISSIPPI ENGINEERING, INC. AND ACCORDING TO THIS SURVEY PREPARED MAY 16, 2008 THE PROPERTY IS LOCATED IN FLOOD ZONE X ACCORDING TO FIRM MAP NO. 28121C 0177 E. 28121C 0179 E. 28121C 0181 E AND 28121C 0183 E DATED NOVEMBER 3, 2003. THE ELEVATIONS ARE NGVD 29 BASED ON REFERENCE MONUMENT "A-45 1938" (RM-27)



NOTE: STRUCTURE TO BE PRECAST CONCRETE (3000 PSI @ 28 DAYS)
RETENTION BASIN PRIMARY OUTLET STRUCTURE
N.T.S.

369.50 TC

TA

TBC

5 TONS 200# LOOSE RIP-RAP W/ FILTER FABRIC REQ'D.

PROPOSED DRAIN PATH

FINISHED GRADE CONTOURS

EXISTING CONTOURS

PROPOSED SPOT ELEVATION

TOP OF ASPHALT

TOP BACK OF CURB (6" HIGHER THAN CONCRETE)

5 TONS 200# LOOSE RIP-RAP W/ FILTER FABRIC REQ'D.

PROPOSED DRAIN PATH

FINISHED GRADE CONTOURS

EXISTING CONTOURS

369.50 TC

TA

TBC

5 TONS 200# LOOSE RIP-RAP W/ FILTER FABRIC REQ'D.

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PROPOSED DRAIN PATH

FINISHED GRADE CONTOURS

EXISTING CONTOURS

THE DRAWING AND SPECIFICATIONS SHALL BE THE PROPERTY OF BENCHMARK ENGINEERING, LLC AND NO PART HEREOF SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BENCHMARK ENGINEERING, LLC.

BENCHMARK

Engineering & Surveying, LLC

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e-mail: benchmark@earthlink.net

DATE:

10/11/07

DRAWN:

GAB

ALIGN:

REVISED:

PROJECT:

HAMPTON INN
FLOWOOD, MS

CONTENTS:

GRADING & DRAINAGE PLAN

SHEET NUMBER

C3.2

PROJECT NUMBER

B-1347