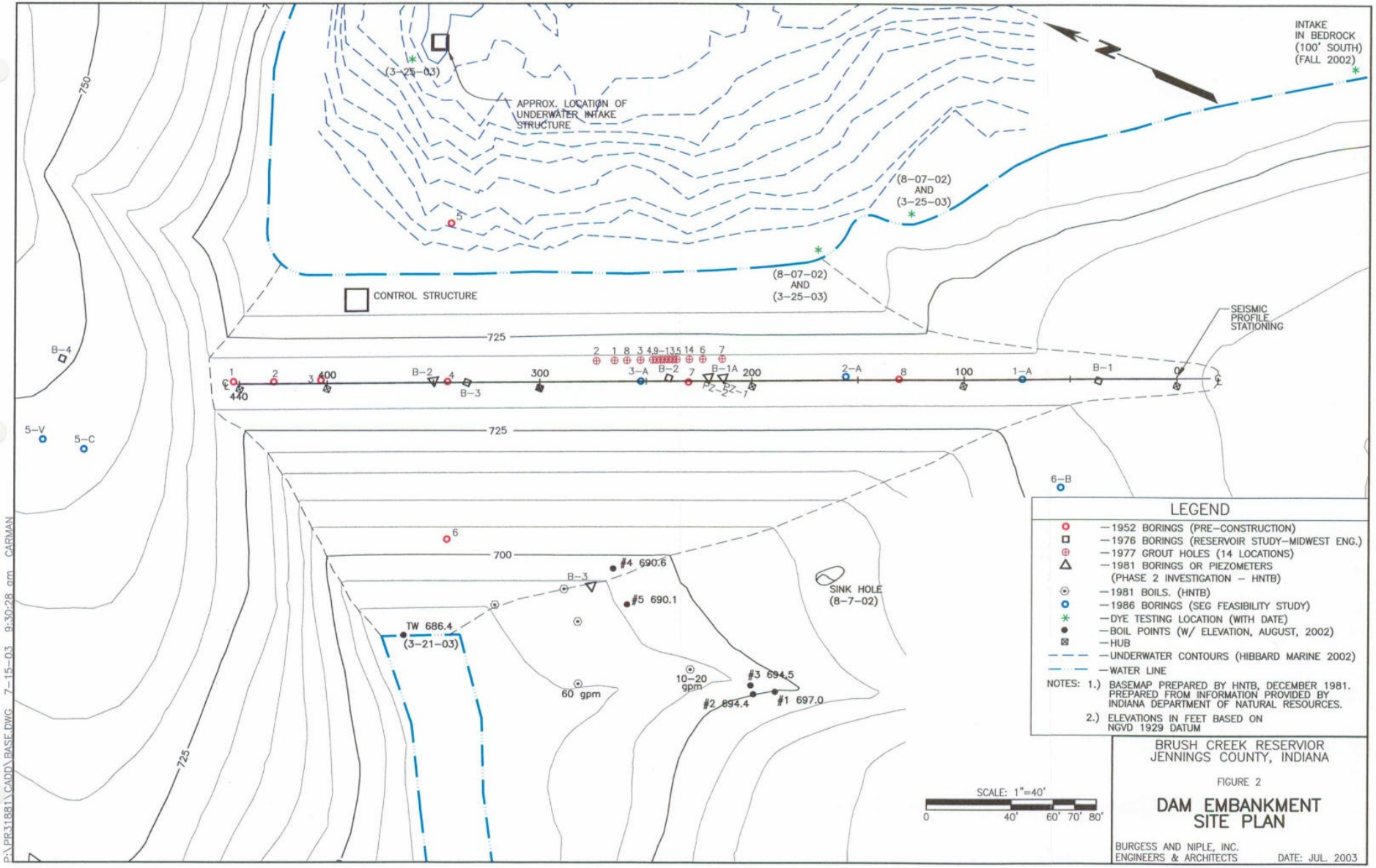
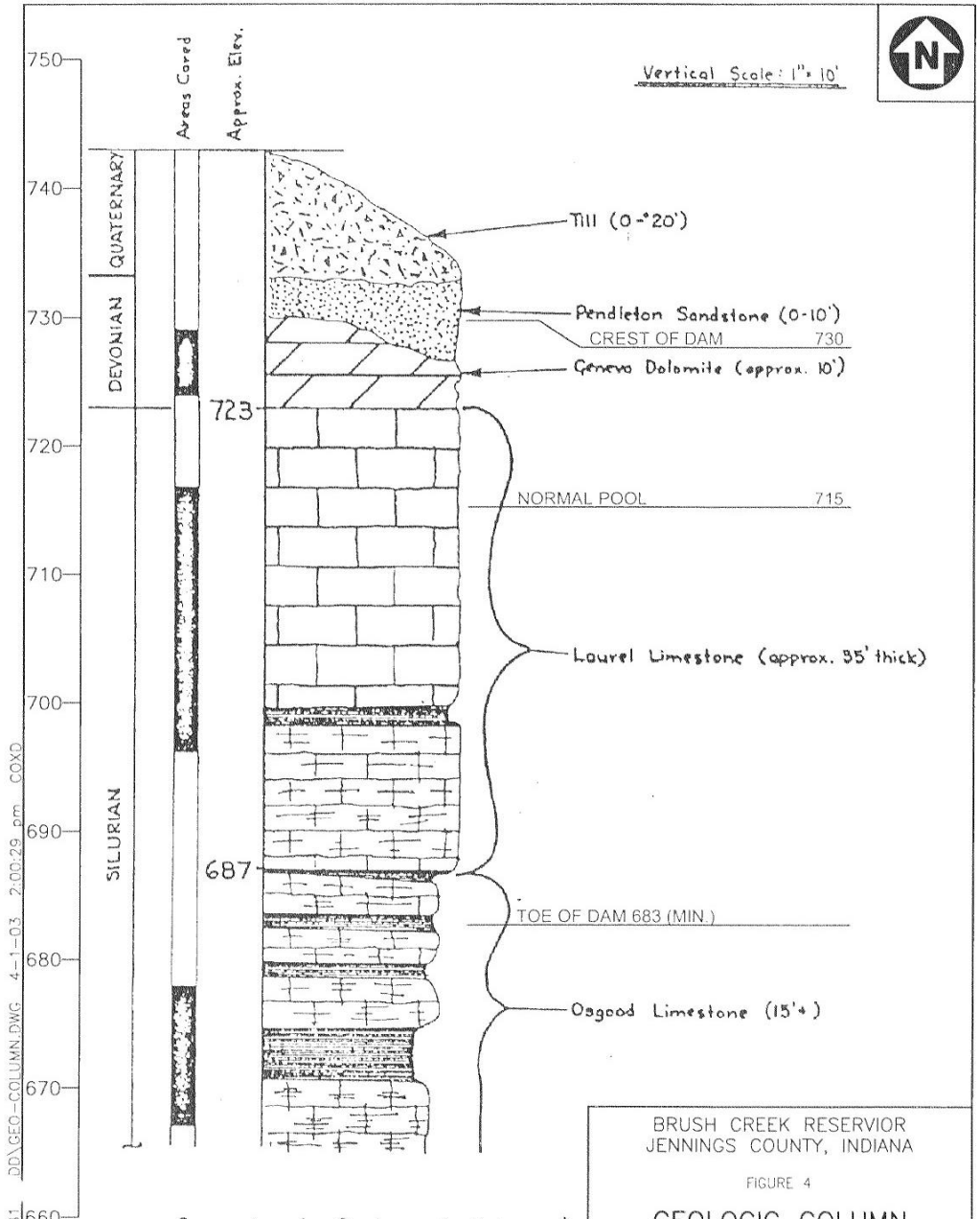

INTAKE
IN BEDROCK
(100' SOUTH)
(FALL 2002)
N
(3-25-03)
APPROX. LOCATION OF
UNDERWATER INTAKE
STRUCTURE
(8-07-02)
AND
(3-25-03)
(8-07-02)
AND
(3-25-03)
CONTROL STRUCTURE
750
725
725
725
700
725
SEISMIC
PROFILE
STATIONING
B-4
5-V
5-C
6-B
6
B-3
#4 690.6
#5 690.1
SINK HOLE
(8-7-02)
TW 686.4
(3-21-03)
60 gpm
10-20
gpm
#3 694.5
#2 694.4
#1 697.0
SCALE: 1"=40'
0
40'
60' 70' 80'
LEGEND
—1952 BORINGS (PRE-CONSTRUCTION)
—1976 BORINGS (RESERVOIR STUDY-MIDWEST ENG.)
—1977 GROUT HOLES (14 LOCATIONS)
—1981 BORINGS OR PIEZOMETERS
(PHASE 2 INVESTIGATION – HNTB)
—1981 BOILS. (HNTB)
—1986 BORINGS (SEG FEASIBILITY STUDY)
—DYE TESTING LOCATION (WITH DATE)
—BOIL POINTS (W/ ELEVATION, AUGUST, 2002)
—HUB
—UNDERWATER CONTOURS (HIBBARD MARINE 2002)
—WATER LINE
NOTES: 1.) BASEMAP PREPARED BY HNTB, DECEMBER 1981.
PREPARED FROM INFORMATION PROVIDED BY
INDIANA DEPARTMENT OF NATURAL RESOURCES.
2.) ELEVATIONS IN FEET BASED ON
NGVD 1929 DATUM
BRUSH CREEK RESERVIOR
JENNINGS COUNTY, INDIANA
FIGURE 2
DAM EMBANKMENT
SITE PLAN
BURGESS AND NIPLE, INC.
ENGINEERS & ARCHITECTS
DATE: JUL. 2003
P:\PR31881\CADD\BASE.DWG 7-15-03 9:30:28 am CARMAN



Generalized Geological Column*

*REFERENCE:
ATEC ASSOCIATES REPORT DATED MAY 12, 1976

BRUSH CREEK RESERVIOR
JENNINGS COUNTY, INDIANA

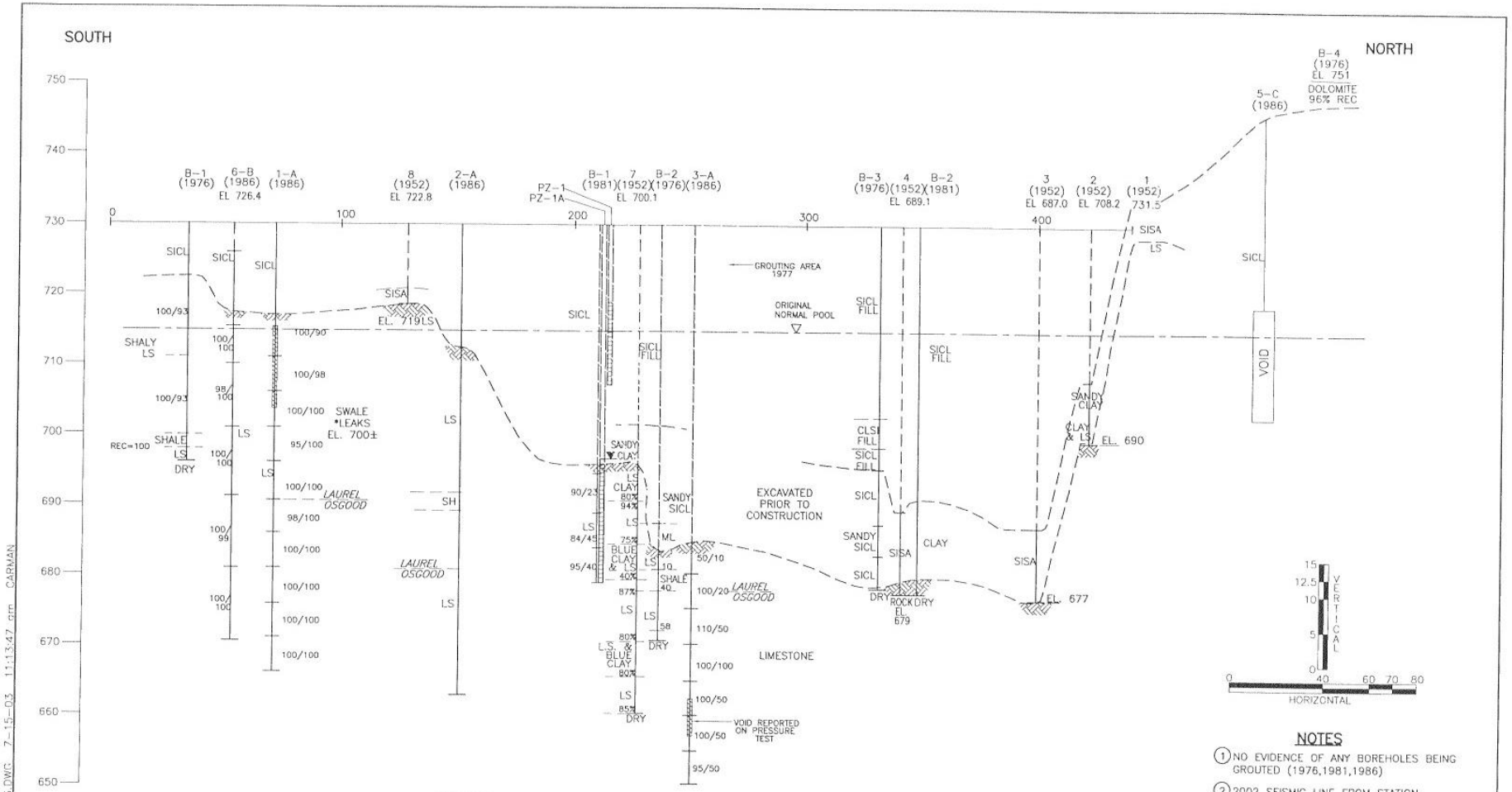
FIGURE 4

GEOLOGIC COLUMN

BURGESS AND NIPLE, INC.
ENGINEERS & ARCHITECTS

SCALE: AS NOTED
DATE: JUL. 2003

P:\PR31881 DD\GEO-COLUMN.DWG 4-1-03 2:00:29 pm COXD



NOTES

1. NO EVIDENCE OF ANY BOREHOLES BEING GROUTED (1976,1981,1986)
2. 2002 SEISMIC LINE FROM STATION 0 TO 440

LEGEND

LS	— LIMESTONE	REC	— PERCENT RECOVERED
SISA	— SILTY SAND	RQD	— ROCK QUALITY DESIGNATION
CLSI	— CLAYEY SILT	100/50	— REC/RQD
SICL	— SILTY CLAY	▼	— PIEZOMETRIC SURFACE IN PIEZOMETER
SH	— SHALE		
	— ROCK ENCOUNTERED IN BORING		— PRESSURE TEST ZONE IN BOREHOLE

BRUSH CREEK RESERVIOR
JENNINGS COUNTY, INDIANA

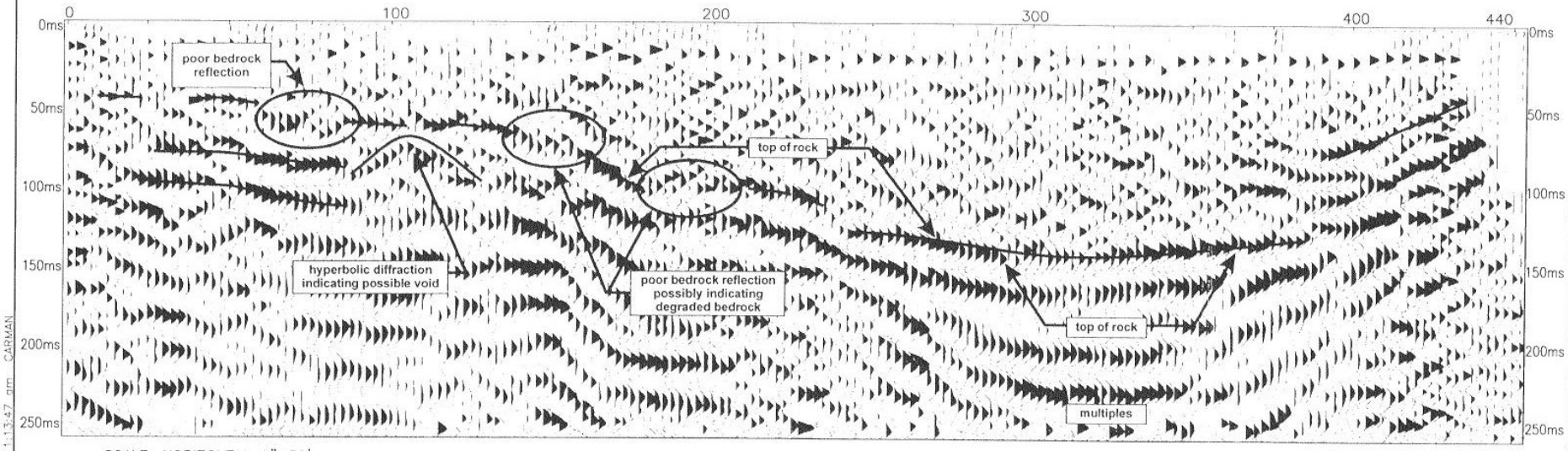
FIGURE 5

GEOLOGIC CROSS SECTION

BURGESS AND NIPLE, INC.
ENGINEERS & ARCHITECTS

SCALE: AS NOTED
DATE: JUL. 2003

P:\PR31881\CADD\FIGURES.DWG 7-15-03 11:13:47 am CARMAN



SCALE: HORIZONTAL 1"=30'
VERTICAL 1"=60ms

BRUSH CREEK RESERVIOR
JENNINGS COUNTY, INDIANA

FIGURE 6

SEISMIC SECTION

BURGESS AND NIPLE, INC.
ENGINEERS & ARCHITECTS

SCALE: AS NOTED
DATE: JUL. 2003

P:\B2318R1\...DD\FIGURES.DWG 7-15-03 11:13:47 pm CARMAN