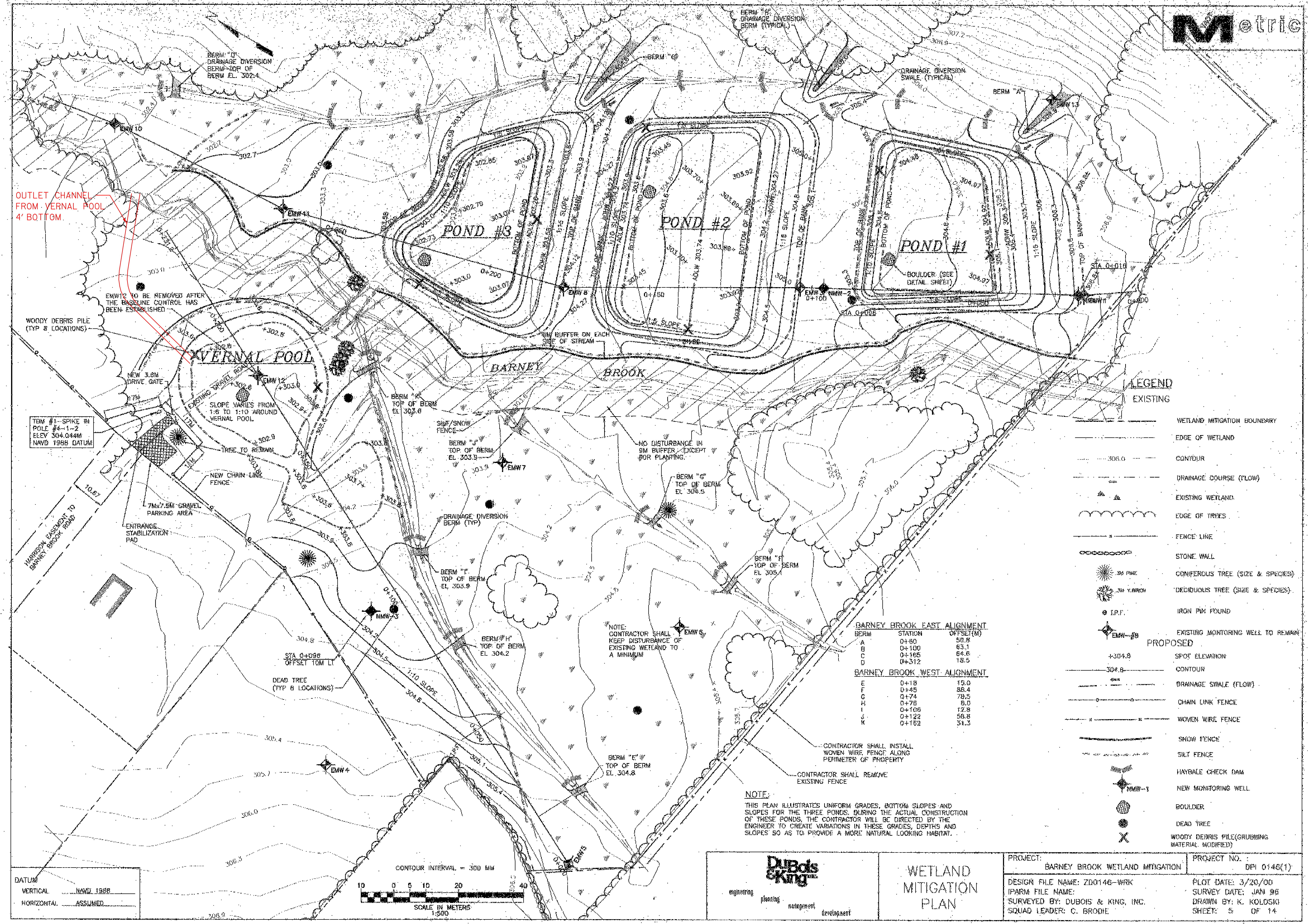
Metric
BERM "D" DRAINAGE DIVERSION BERM-TOP OF BERM EL. 302.4
BERM "B" DRAINAGE DIVERSION BERM (TYPICAL)
BERM "C"
DRAINAGE DIVERSION SWALE (TYPICAL)
BERM "A"
EMW 13
EMW 10
EMW 11
EMW 8
EMW 3
NMW-2
NMW-1
0+100
0+150
0+200
0+250
STA 0+096
STA 0+010
OUTLET CHANNEL FROM VERNAL POOL 4' BOTTOM
POND #3
POND #2
POND #1
1:15 SLOPE
1:10 SLOPE
1:5 SLOPE
TOP OF BANK
BOTTOM OF POND
AQLW
AQHW
BOULDER (SEE DETAIL SHEET)
9M BUFFER ON EACH SIDE OF STREAM
BARNEY BROOK
EMW12 TO BE REMOVED AFTER THE BASELINE CONTROL HAS BEEN ESTABLISHED
WOODY DEBRIS PILE (TYP 8 LOCATIONS)
VERNAL POOL
EXISTING GRAVEL ROAD
EMW 12
SLOPE VARIES FROM 1:6 TO 1:10 AROUND VERNAL POOL
NEW 3.6M DRIVE GATE
17M
11M
TBM #1--SPIKE IN POLE #4-1-2 ELEV 304.044M NAVD 1988 DATUM
TREE TO REMAIN
NEW CHAIN LINK FENCE
10.67
7Mx7.5M GRAVEL PARKING AREA
ENTRANCE STABILIZATION PAD
HARRISON EASEMENT TO BARNEY BROOK ROAD
BERM "K" TOP OF BERM EL 303.6
SILT/SNOW FENCE
BERM "J" TOP OF BERM EL 303.9
EMW 7
NO DISTURBANCE IN 9M BUFFER, EXCEPT FOR PLANTING.
BERM "G" TOP OF BERM EL 304.5
DRAINAGE DIVERSION BERM (TYP)
BERM "I" TOP OF BERM EL 303.9
BERM "F" TOP OF BERM EL 305.1
NMW-3
0+100
BERM "H" TOP OF BERM EL 304.2
STA 0+096 OFFSET 10M LT
DEAD TREE (TYP 8 LOCATIONS)
1:10 SLOPE
NOTE: CONTRACTOR SHALL KEEP DISTURBANCE OF EXISTING WETLAND TO A MINIMUM
EMW 6
EMW 4
EMW 5
BERM "E" TOP OF BERM EL 304.8
0+050
0+000
CONTRACTOR SHALL INSTALL WOVEN WIRE FENCE ALONG PERIMETER OF PROPERTY
CONTRACTOR SHALL REMOVE EXISTING FENCE
302.7
303.0
303.3
303.9
304.2
304.5
304.8
305.1
305.4
305.7
306.0
306.3
306.9
307.2
CONTOUR INTERVAL = 300 MM
10 0 5 10 20 40
SCALE IN METERS 1:500

LEGEND

EXISTING

	WETLAND MITIGATION BOUNDARY
	EDGE OF WETLAND
306.0	CONTOUR
	DRAINAGE COURSE (FLOW)
	EXISTING WETLAND
	EDGE OF TREES
	FENCE LINE
	STONE WALL
.3M PINE	CONIFEROUS TREE (SIZE & SPECIES)
.3M Y.BIRCH	DECIDUOUS TREE (SIZE & SPECIES)
I.P.F.	IRON PIN FOUND
EMW-#8	EXISTING MONITORING WELL TO REMAIN

PROPOSED

+304.8	SPOT ELEVATION
304.8	CONTOUR
	DRAINAGE SWALE (FLOW)
	CHAIN LINK FENCE
	WOVEN WIRE FENCE
	SNOW FENCE
	SILT FENCE
	HAYBALE CHECK DAM
NMW-1	NEW MONITORING WELL
	BOULDER
	DEAD TREE
	WOODY DEBRIS PILE(GRUBBING MATERIAL MODIFIED)

BARNEY BROOK EAST ALIGNMENT

BERM	STATION	OFFSET(M)
A	0+60	58.8
B	0+100	63.1
C	0+165	64.6
D	0+312	18.5

BARNEY BROOK WEST ALIGNMENT

BERM	STATION	OFFSET(M)
E	0+18	15.0
F	0+45	88.4
G	0+74	78.5
H	0+76	8.0
I	0+106	12.8
J	0+122	58.8
K	0+162	31.3

NOTE:

THIS PLAN ILLUSTRATES UNIFORM GRADES, BOTTOM SLOPES AND SLOPES FOR THE THREE PONDS. DURING THE ACTUAL CONSTRUCTION OF THESE PONDS, THE CONTRACTOR WILL BE DIRECTED BY THE ENGINEER TO CREATE VARIATIONS IN THESE GRADES, DEPTHS AND SLOPES SO AS TO PROVIDE A MORE NATURAL LOOKING HABITAT.

DATUM
VERTICAL NAVD 1988
HORIZONTAL ASSUMED

DuBois & King INC.
engineering planning management development

WETLAND
MITIGATION
PLAN

PROJECT: BARNEY BROOK WETLAND MITIGATION
PROJECT NO. : DPI 0146(1)
DESIGN FILE NAME: ZD0146-WRK
IPARM FILE NAME:
SURVEYED BY: DUBOIS & KING, INC.
SQUAD LEADER: C. BRODIE
PLOT DATE: 3/20/00
SURVEY DATE: JAN 96
DRAWN BY: K. KOLOSKI
SHEET: 5 OF 14

I:\P13482\DRAWINGS\ADT\ZD0146WRK.dwg Tue Mar 21 14:53 2000