Metric

BERM "D" DRAINAGE DIVERSION BERM - TOP OF BERM EL. 302.4

BERM "B" DRAINAGE DIVERSION BERM (TYPICAL)

DRAINAGE DIVERSION SWALE (TYPICAL)

BERM "A"

OUTLET CHANNEL FROM VERNAL POOL 4' BOTTOM.

EMW 10

EMW 13

EMW 9

EMW 8

EMW 2

EMW 11

POND #3

POND #2

POND #1

BOULDER (SEE DETAIL SHEET)

STA 0+010

STA 0+100

STA 0+188

EMW12 TO BE REMOVED AFTER THE BASELINE CONTROL HAS BEEN ESTABLISHED

WOODY DEBRIS PILE (TYP 8 LOCATIONS)

VERNAL POOL

EMW 12

SLOPE VARIES FROM 1:6 TO 1:10 AROUND VERNAL POOL.

EXISTING GRAVEL ROAD

NEW 3.6M DRIVE GATE

TBM #1- SPIKE IN POLE #4-1-2 ELEV 304.044M NAVD 1988 DATUM

TREE TO REMAIN

NEW CHAIN LINK FENCE

7Mx7.5M GRAVEL PARKING AREA

ENTRANCE STABILIZATION PAD

HARRISON EASEMENT TO BARNEY BROOK ROAD

10.67

BARNEY BROOK

15M BUFFER ON EACH SIDE OF STREAM

BERM "K" TOP OF BERM EL 303.6

SILT/SNOW FENCE

BERM "J" TOP OF BERM EL 303.9

EMW 7

NO DISTURBANCE IN 5M BUFFER EXCEPT FOR PLANTING.

BERM "G" TOP OF BERM EL 306.5

DRAINAGE DIVERSION BERM (TYP)

BERM "F" TOP OF BERM EL 305.1

BERM "I" TOP OF BERM EL 305.9

NMW-3

BERM "H" TOP OF BERM EL 304.2

STA 0+096 OFFSET 10M LT

DEAD TREE (TYP 8 LOCATIONS)

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

CONTRACTOR SHALL INSTALL WOVEN WIRE FENCE ALONG PERIMETER OF PROPERTY

CONTRACTOR SHALL REMOVE EXISTING FENCE

BARNEY BROOK EAST ALIGNMENT

BERM	STATION	OFFSET(M)
A	0+60	50.8
B	0+100	63.1
C	0+165	64.6
D	0+312	18.5

BARNEY BROOK WEST ALIGNMENT

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	56.8
K	0+162	34.3

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.

LEGEND

EXISTING

- WETLAND MITIGATION BOUNDARY
- EDGE OF WETLAND
- 306.0 CONTOUR
- DRAINAGE COURSE (FLOW)
- EXISTING WETLAND
- EDGE OF TREES
- FENCE LINE
- STONE WALL
- 38 PINE — CONIFEROUS TREE (SIZE & SPECIES)
- 38 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
- MMW-1 — NEW MONITORING WELL
- BOULDER
- DEAD TREE
- WOODY DEBRIS PILE(GRUBBING MATERIAL MODIFIED)

DATUM
VERTICAL NAVD 1988
HORIZONTAL ASSUMED

CONTOUR INTERVAL = 300 MM

10 0 5 10 20 40
SCALE IN METERS
1:500

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:\DPI\0146\DRAWINGS\ADP\ZD0146WRK.dwg Tue Mar 21 14:14:53 2000