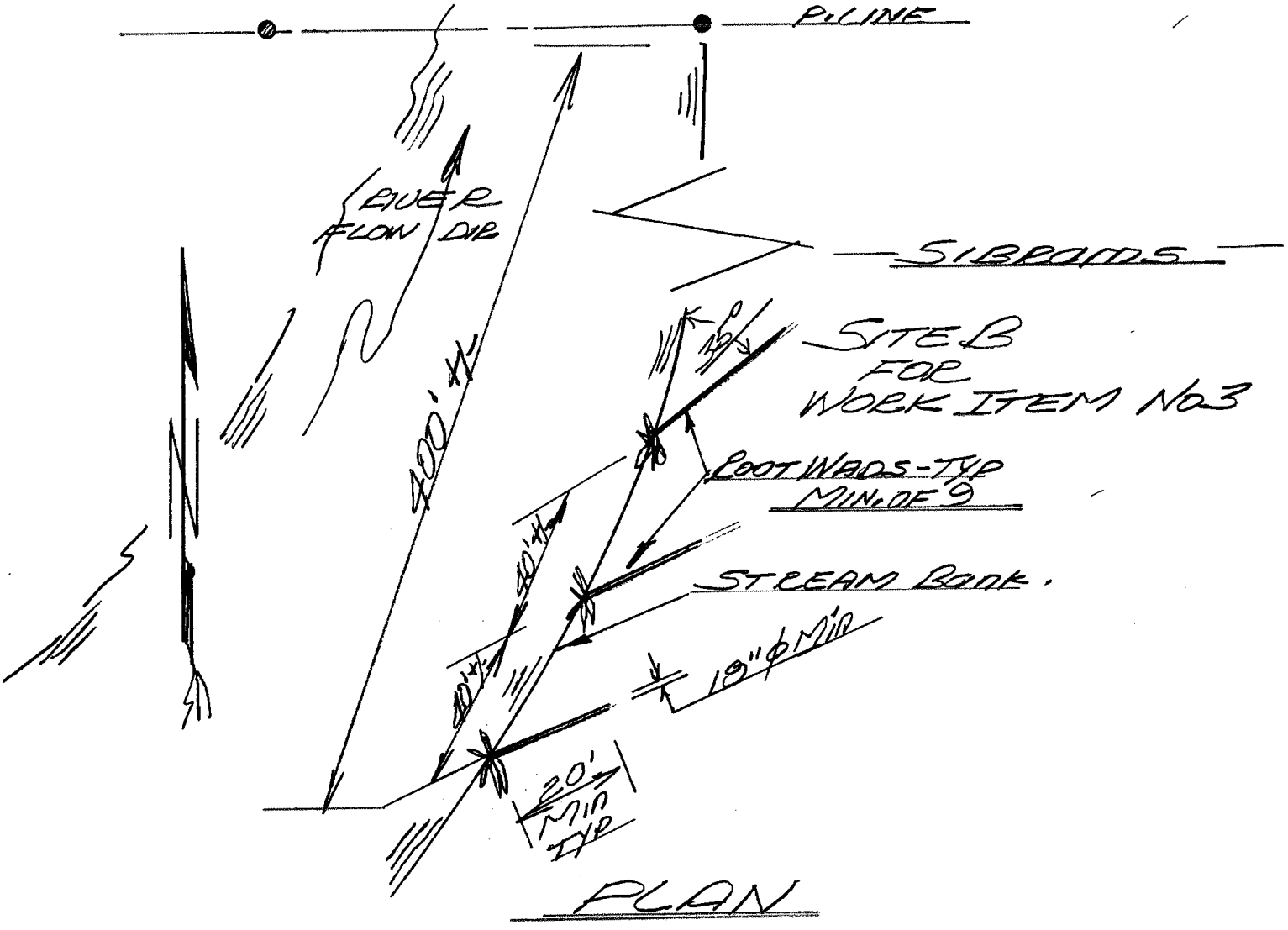
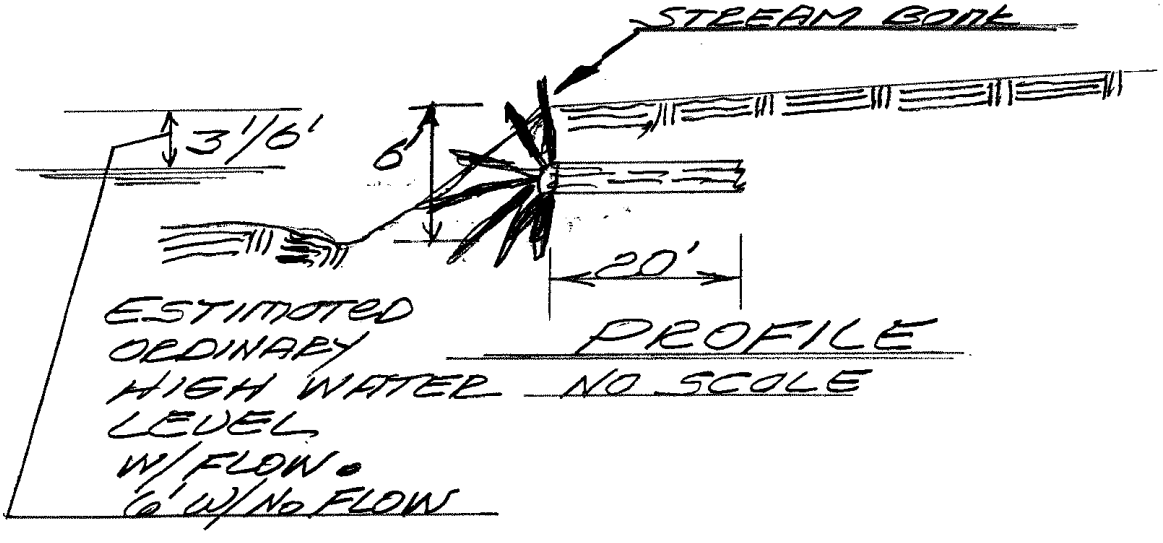


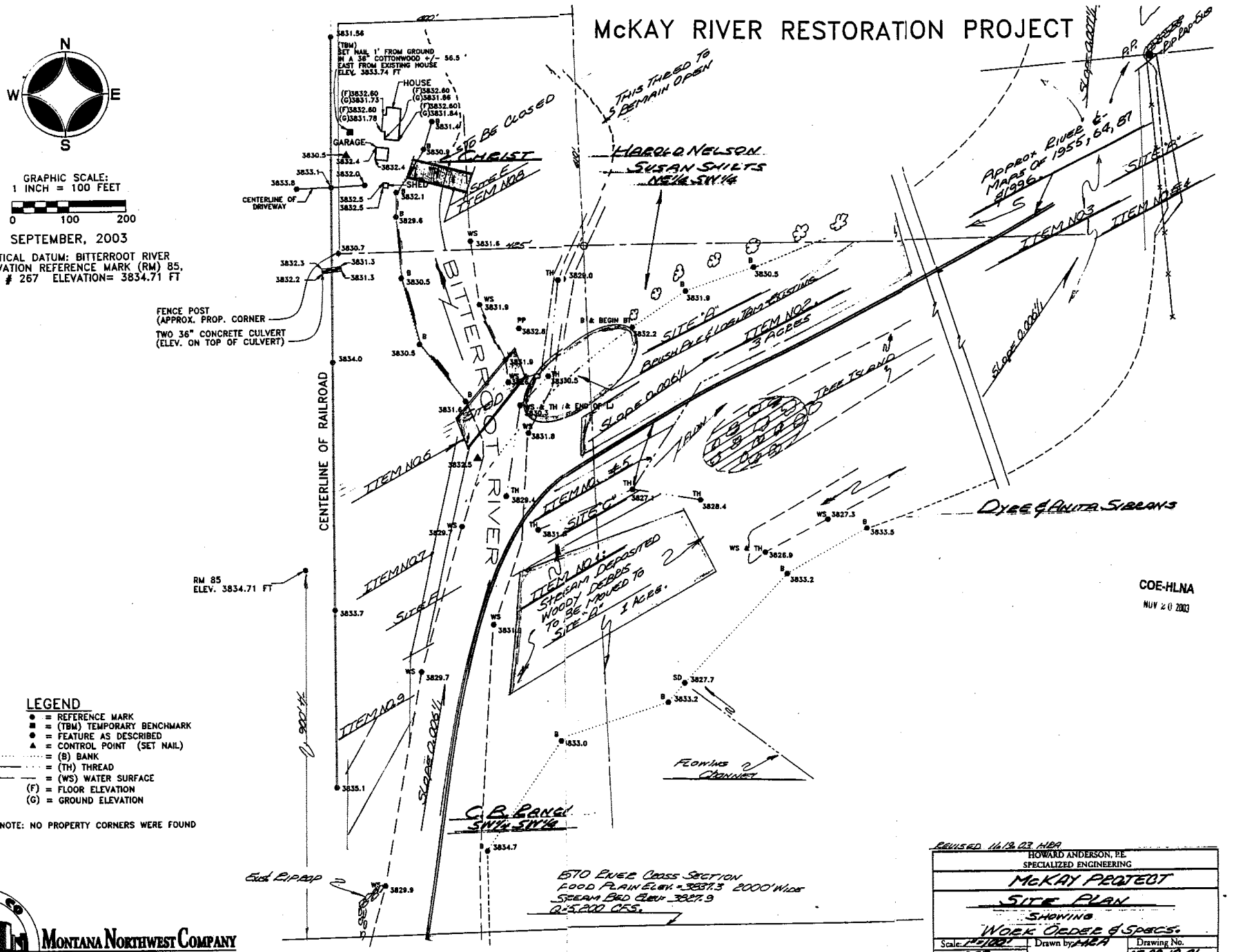


McKAY RESTORATION
WORK ITEM No 3&4

HRA-11.19.03

DRW No. 45-08-10.03

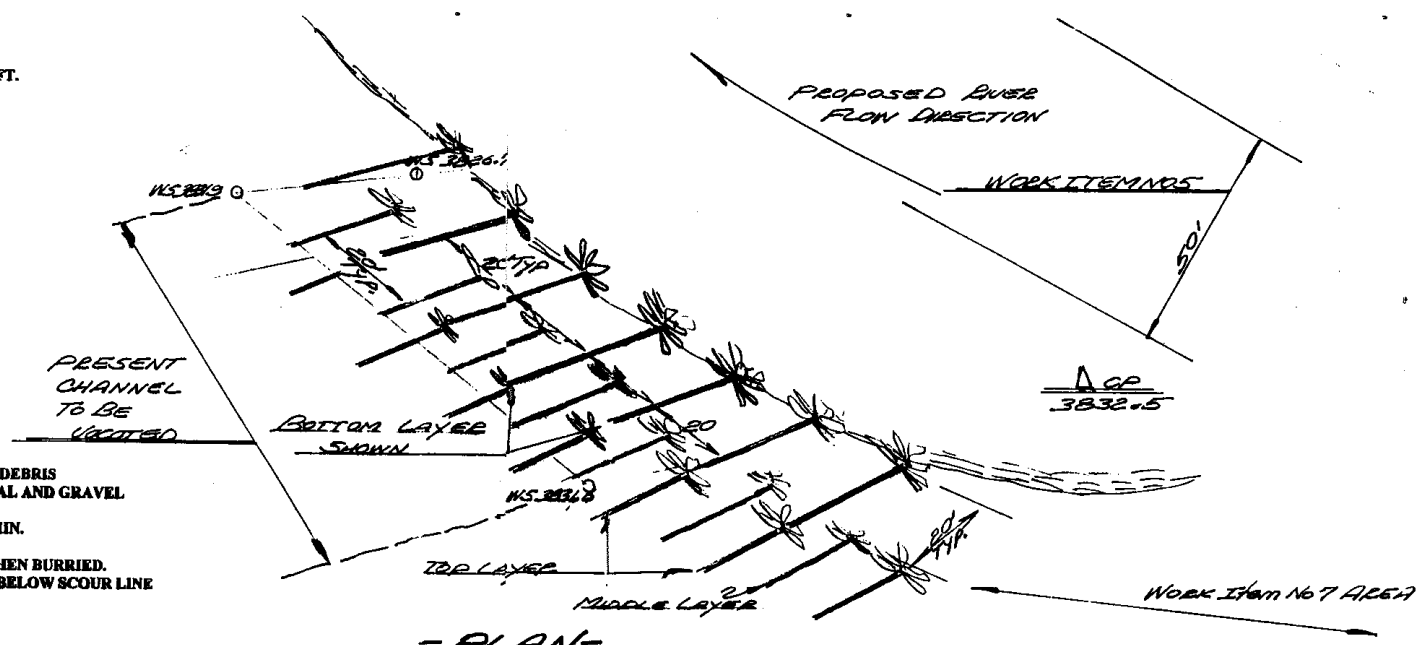
McKAY RIVER RESTORATION PROJECT



12

NOTE THAT THE DESIGN PROVIDES FOR WEIGHT OF MATERIALS, COMPACTION, FRICTION, AND TREE TRUNCK SLOPE TO ANCHOR AND KEEP THE ROOT WAS PORTION OF THE LOG JAM IN PLACE.

ROOT WAD SPECIFICATIONS
TRUNCK DIA. 12" MIN.
ROOT WAD DIA. MIN 6 FT.
TRUNCK LENGTH MIN. OF 20 FT.



CONSTRUCT LOG JAM
THREE (3) LAYERS OF ROOT WADS AND WOODY DEBRIS
BACKFILL EACH LAYER WITH WOODY MATERIAL AND GRAVEL FROM WORK ITEM NO 5.
COMPACT EACH LAYER WITH 10 TON ROLLER/MIN. SHEEPS FOOT ROLLER PREFERRED.
SLOPE TREE TRUNCKS UP AT A 10 DEG SLOPE WHEN BURRIED.
BOTTOM OF ROOT WADS TO BE THREE (3) FEET BELOW SCOUR LINE

STACK WOODY DEBRIS PARALLEL TO STREAM FLOW AND IN BETWEEN LAYERS OF ROOT WADS. USE SOLID MATERIAL.

-PLAN-
SCALE 1"=20'

PLANT WILLOW ROOTS BETWEEN ROOT WADS AT SECOND LAYER—8 UNITS REQUIRED.

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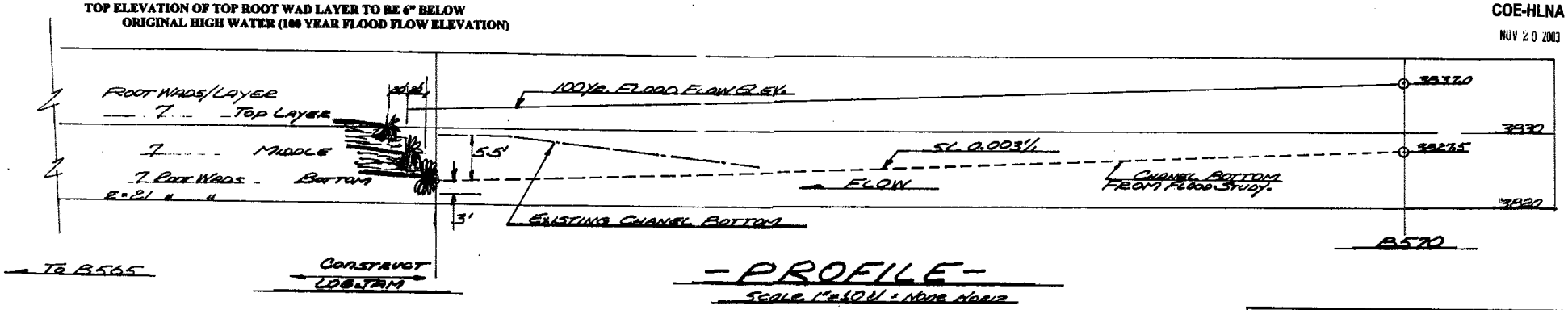
TOP ELEVATION OF TOP ROOT WAD LAYER TO BE 6" BELOW ORIGINAL HIGH WATER (100 YEAR FLOOD FLOW ELEVATION)

COE-HLNA
NOV 20 2003



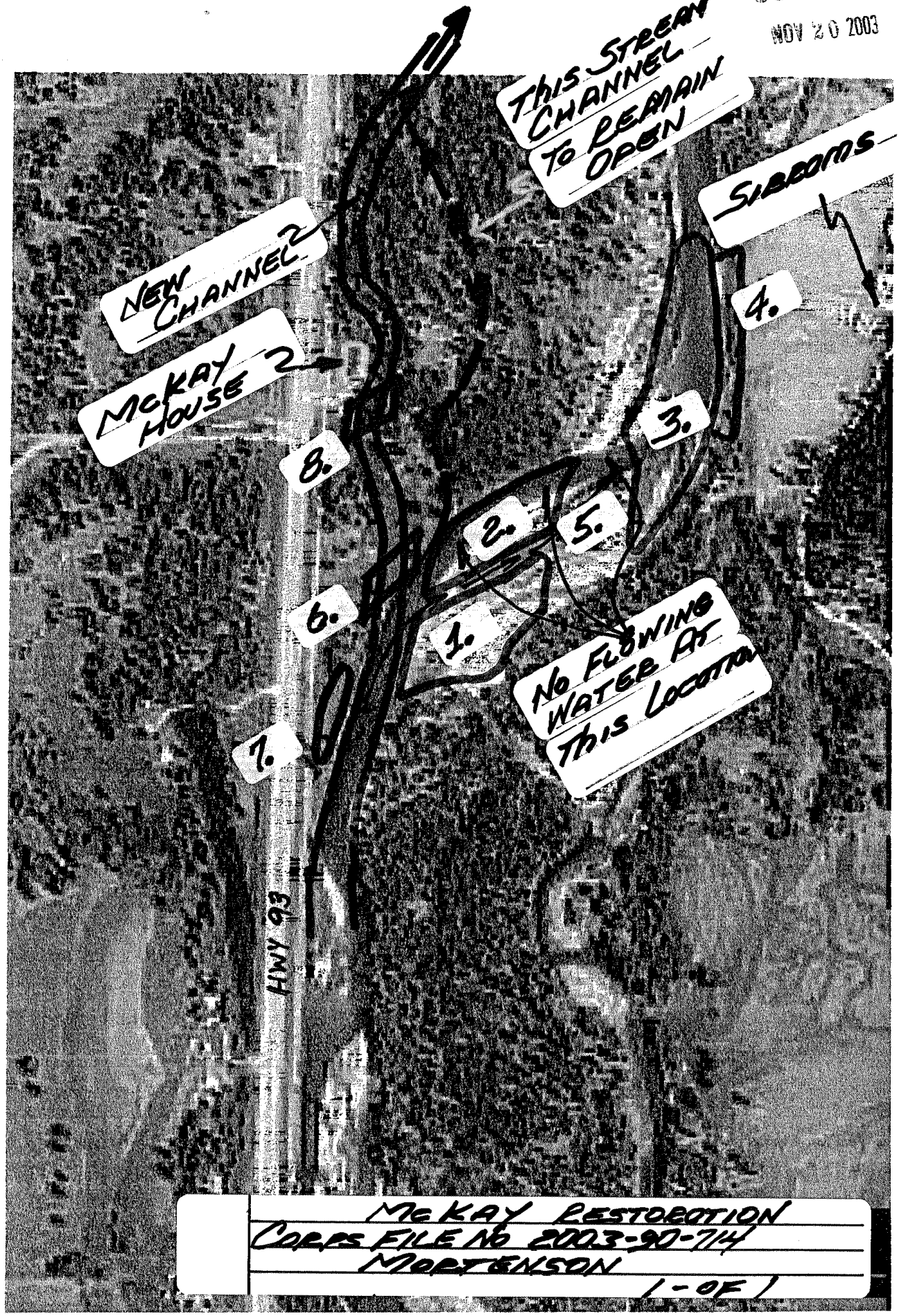
-PROFILE-
SCALE 1"=40' V = NONE HORIZ

THIS PROJECT IS TO GIVE IT A "NUDGE OR A LITTLE HELP" AND PROTECT PRIVATE PROPERTY THAT HAS BEEN UNDER WATER AND WILL BE UNDER FUTURE WATER UNLESS SOMETHING IS DONE.

THE INTENT OF THIS DESIGN IS TO ALLOW THE RIVER TO CORRECT ITSELF, HEAL ITSELF, AND TO ESTABLISH A CHANNEL AS IT WAS AND SHOWN FROM 1955 THROUGH 1996.

HOWARD ANDERSON, P.E. SPECIALIZED ENGINEERING		
McKAY PROJECT		
WORK ITEM NO 5 LOG JAM		
Scale: As Shown	Drawn by: HRA	Drawing No.
Date: 11.19.03		15.09.11.02

COE-HLNA
NOV 20 2003



McKAY RESTORATION
CORPS FILE NO 2003-90-714
MORTENSON
1-OF 1

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NOV 20 2003

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