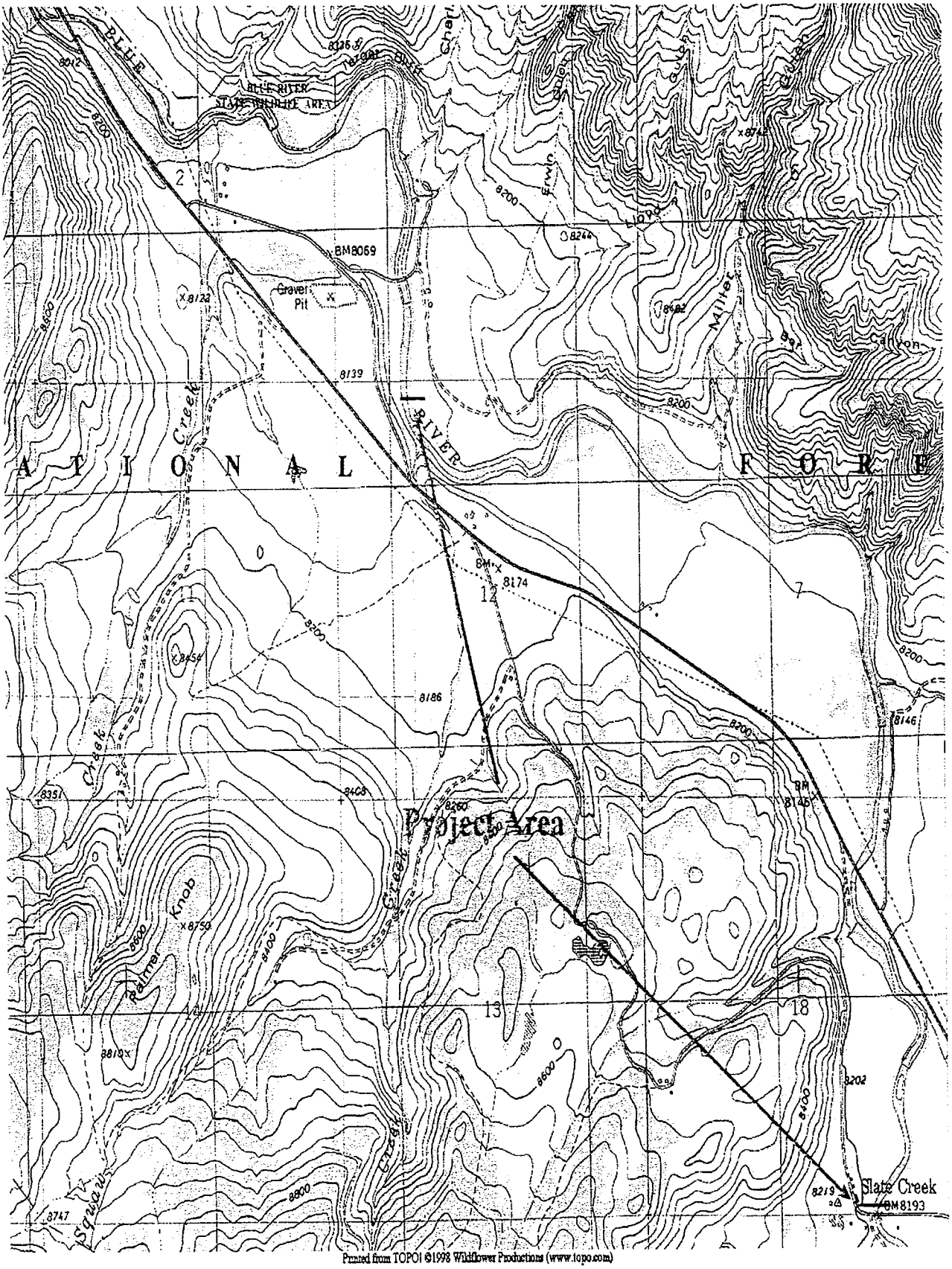
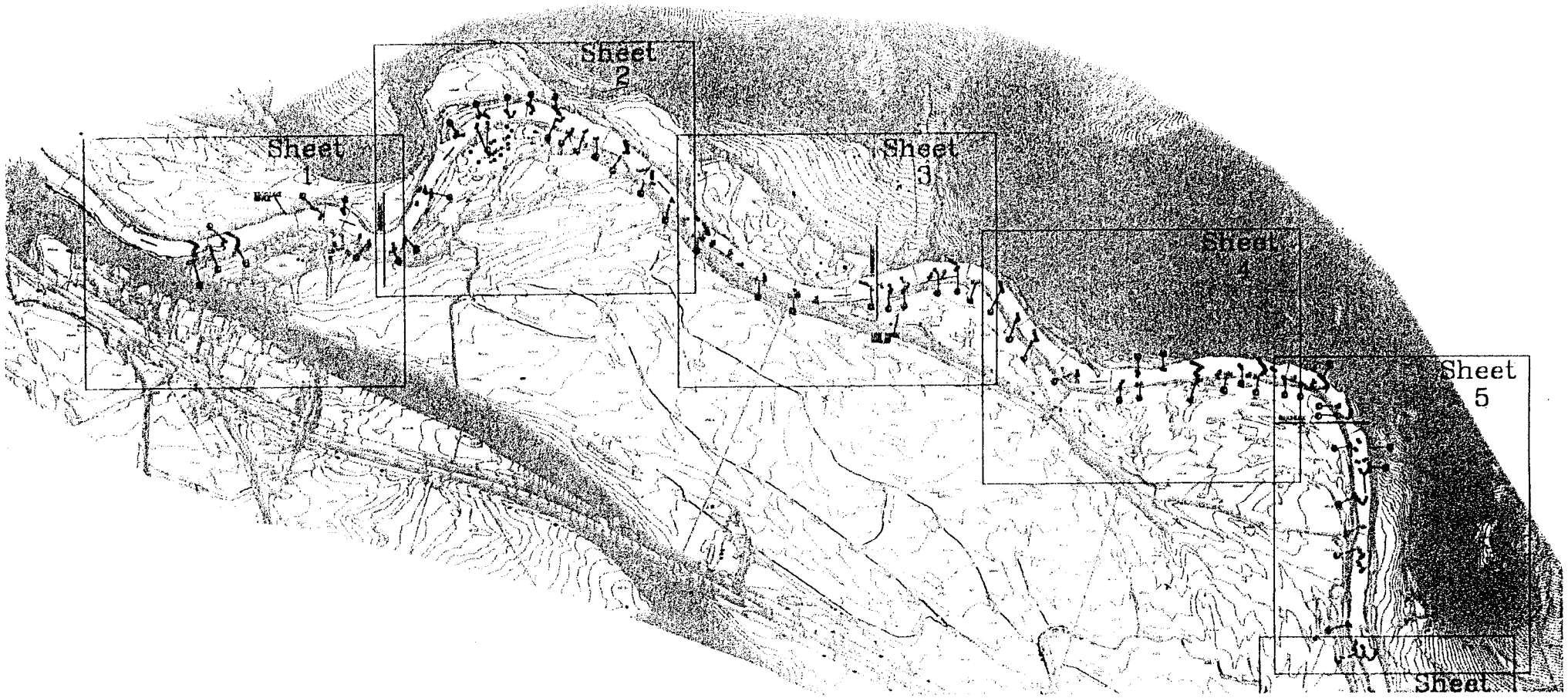
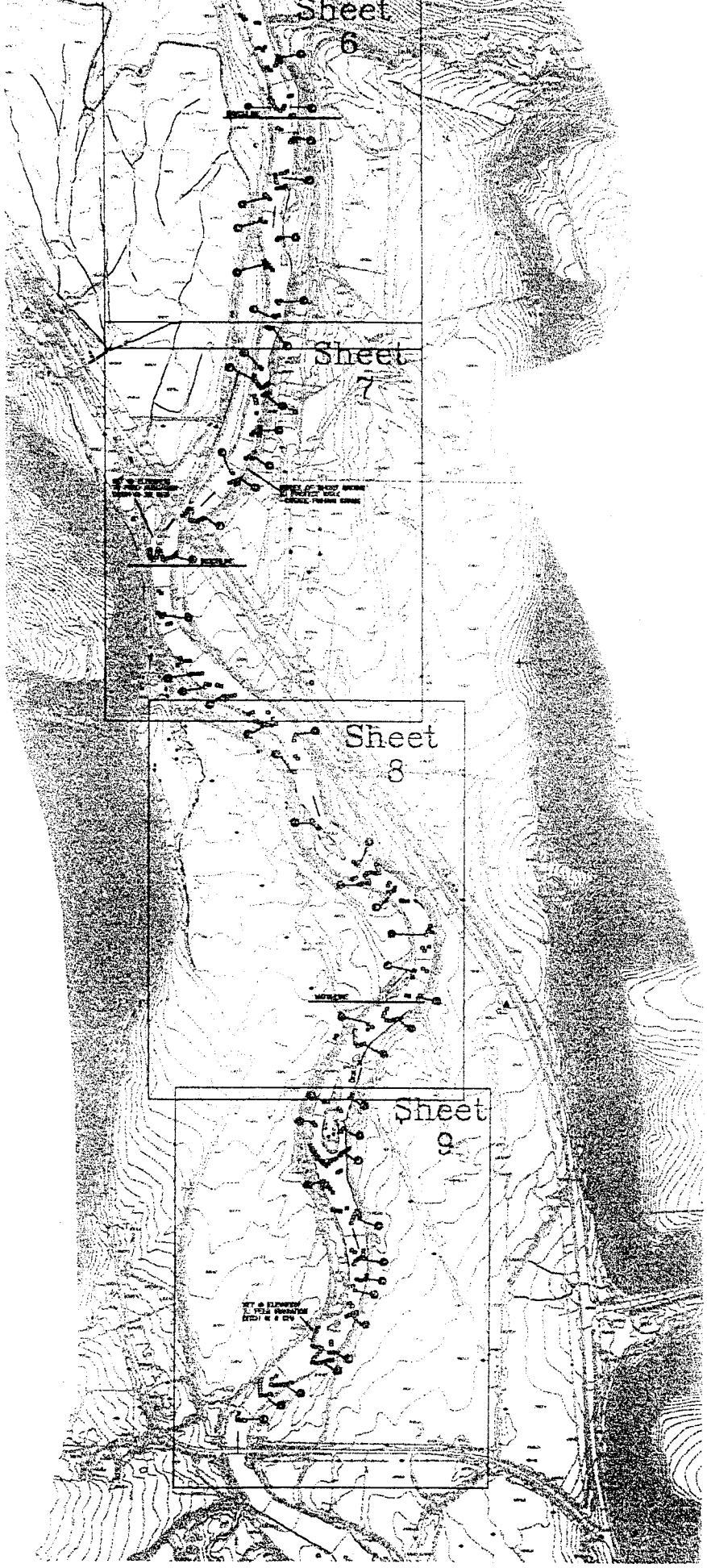
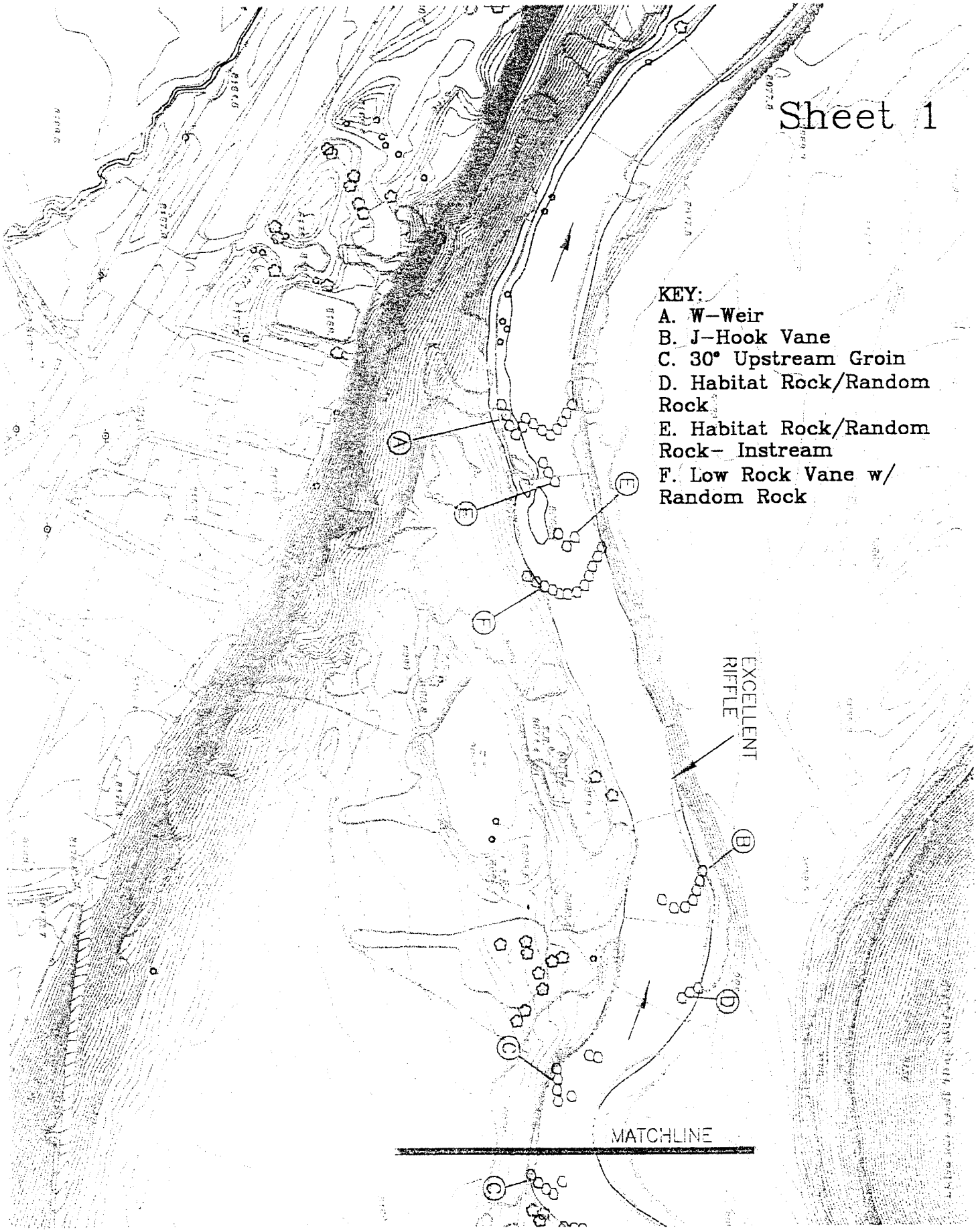
Blue River Project Area Map; Mt. Powell Ranch, Summit County, Colorado.

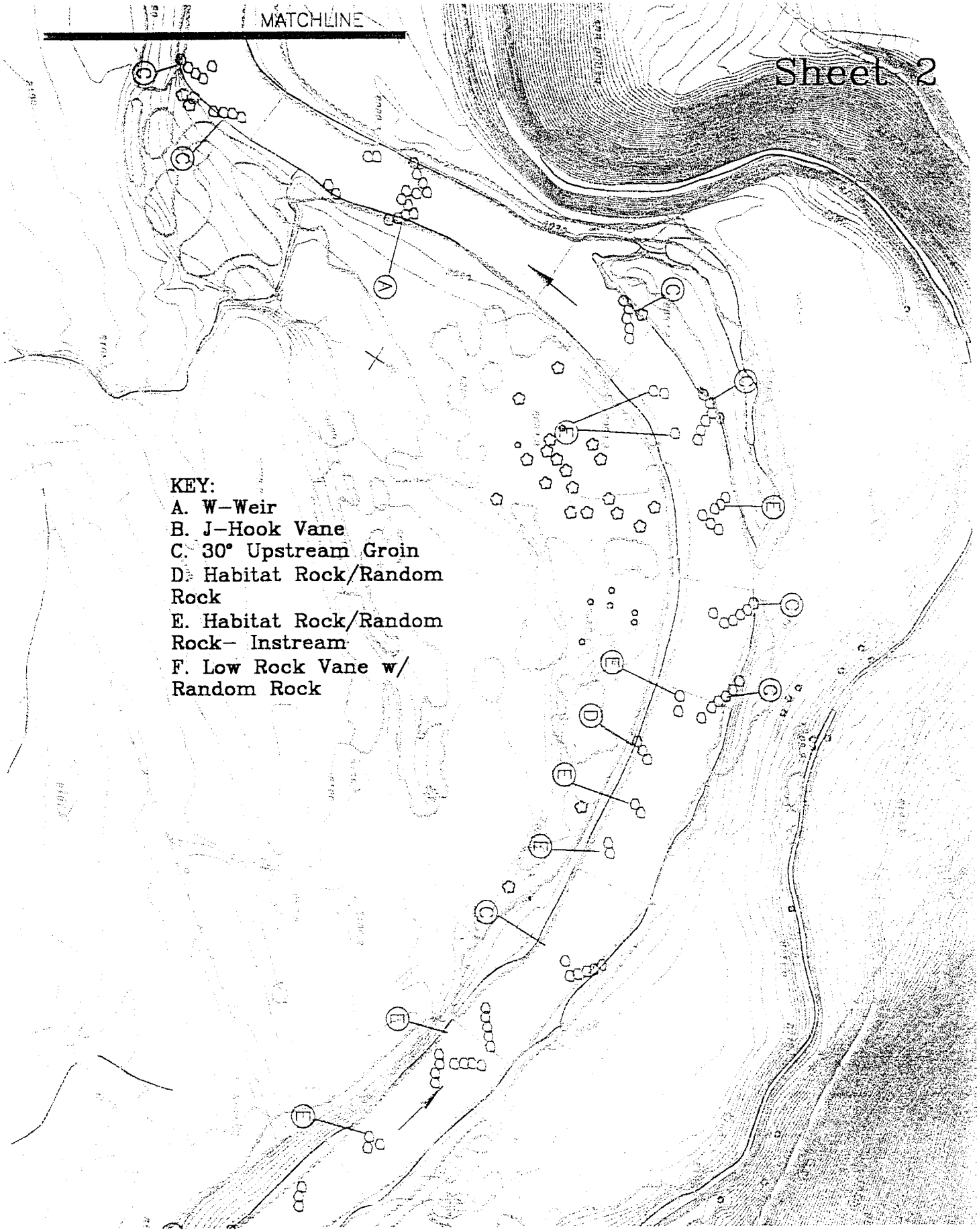


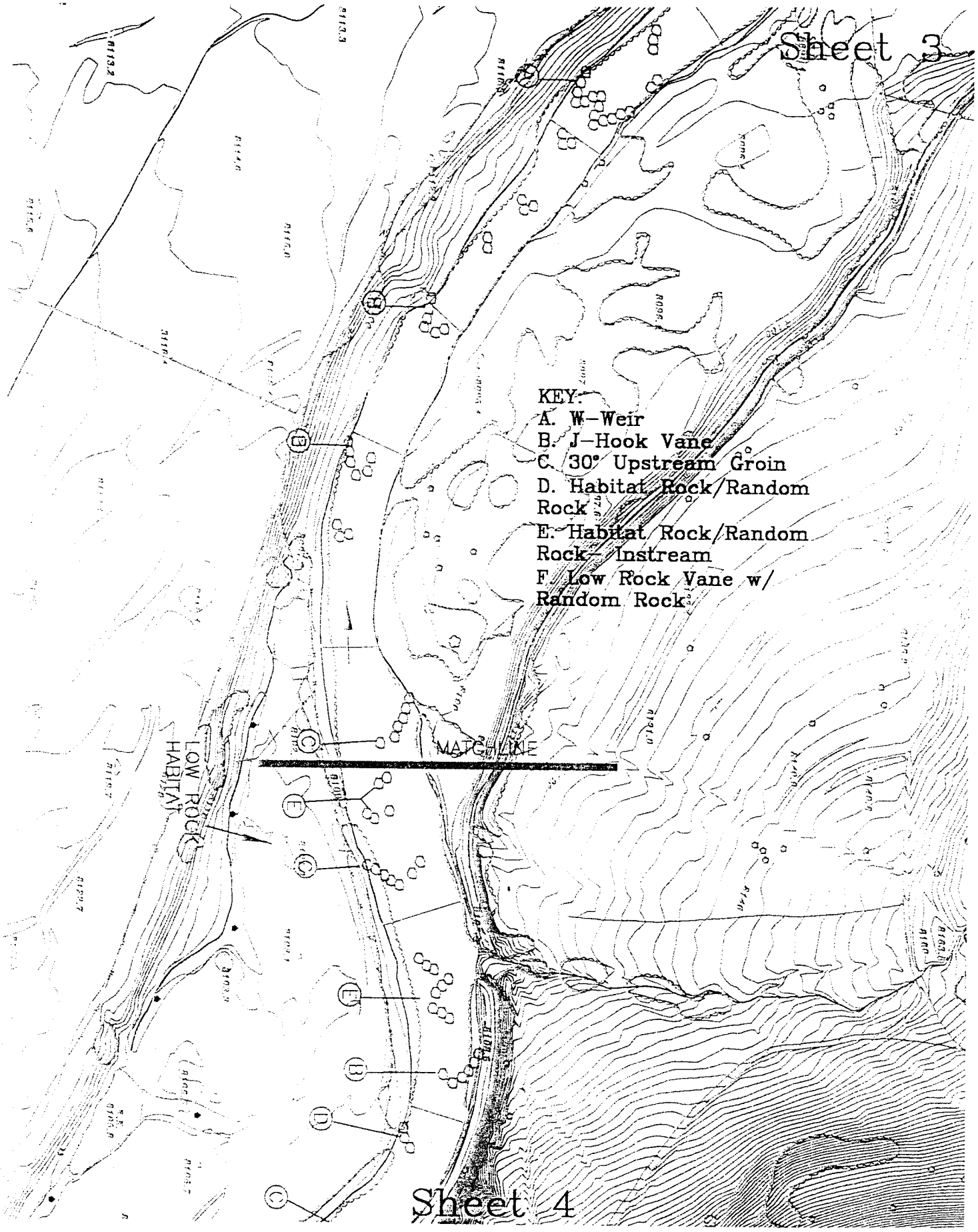
Printed from TOPO! ©1998 Wildflower Productions (www.topo.com)


Sheet 1
Sheet 2
Sheet 3
Sheet 4
Sheet 5
Sheet


Sheet 6
Sheet 7
Sheet 8
Sheet 9


Sheet 1
KEY:
A. W-Weir
B. J-Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock- Instream
F. Low Rock Vane w/ Random Rock
EXCELLENT RIFFLE
MATCHLINE

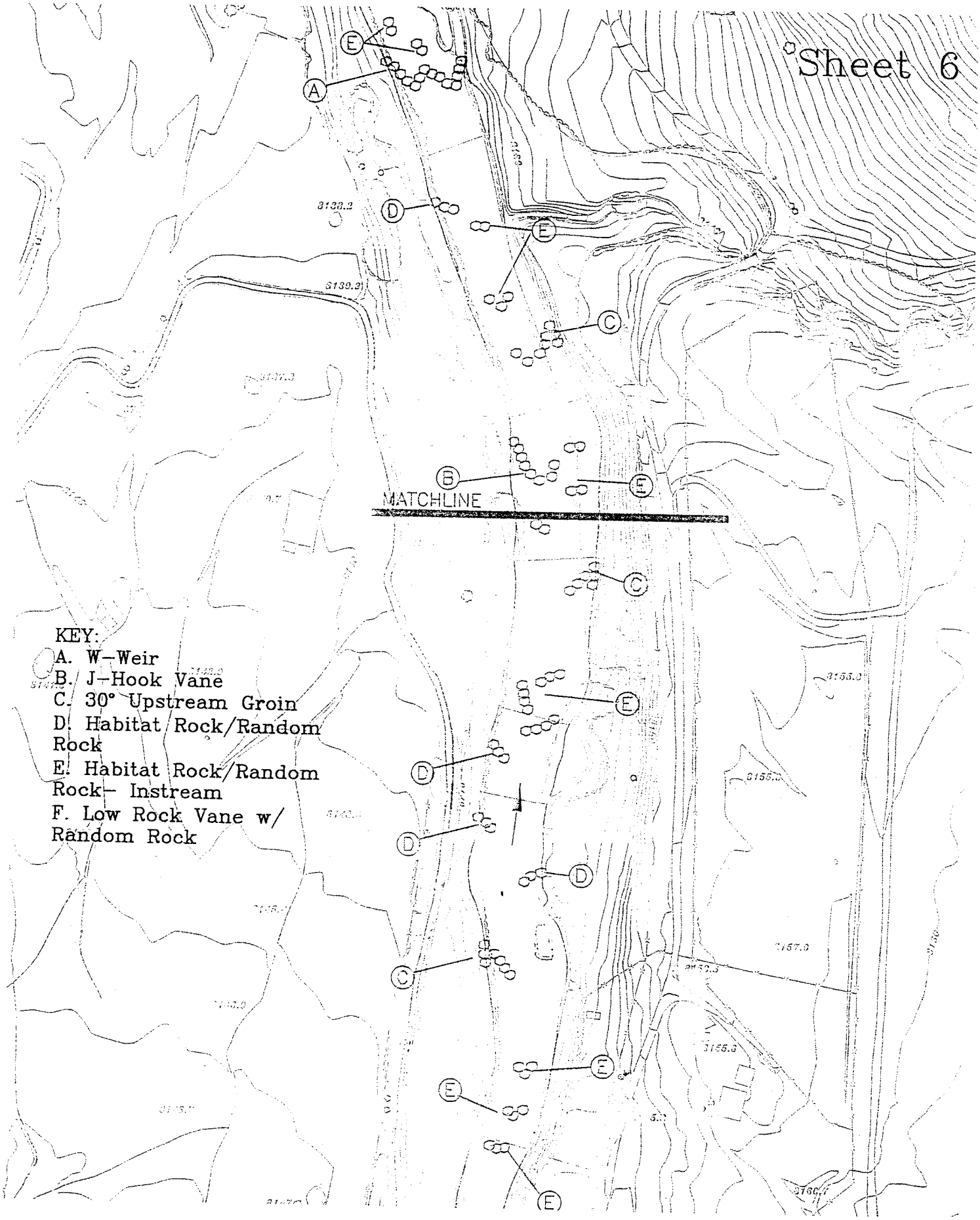

MATCHLINE
Sheet 2
KEY:
A. W–Weir
B. J–Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock– Instream
F. Low Rock Vane w/ Random Rock

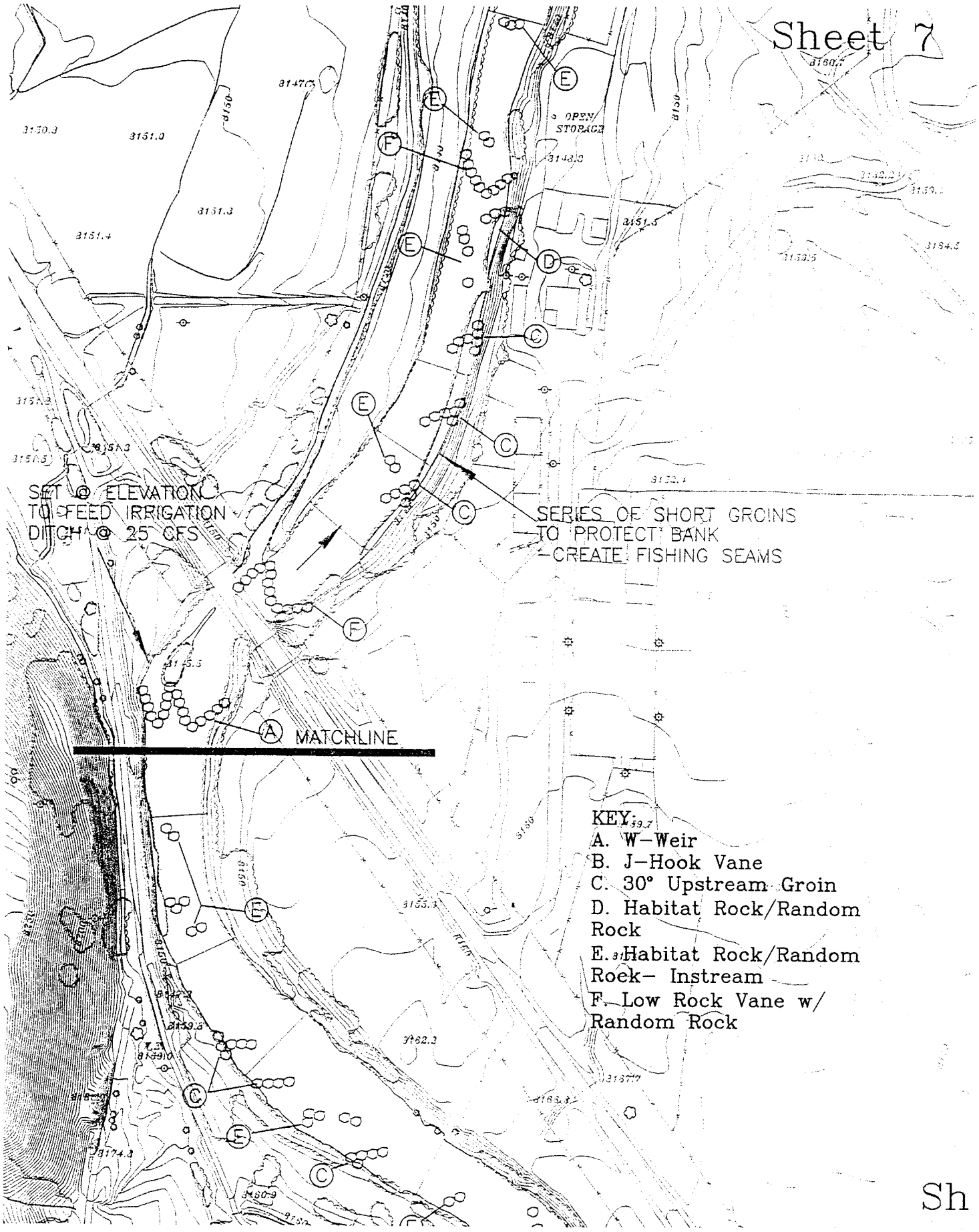

Sheet 3
KEY:
A. W-Weir
B. J-Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock - Instream
F. Low Rock Vane w/ Random Rock
MATCHLINE
LOW ROCK HABITAT
Sheet 4

Sheet 4
KEY:
A. W-Weir
B. J-Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock- Instream
F. Low Rock Vane w/ Random Rock
MATCHLI

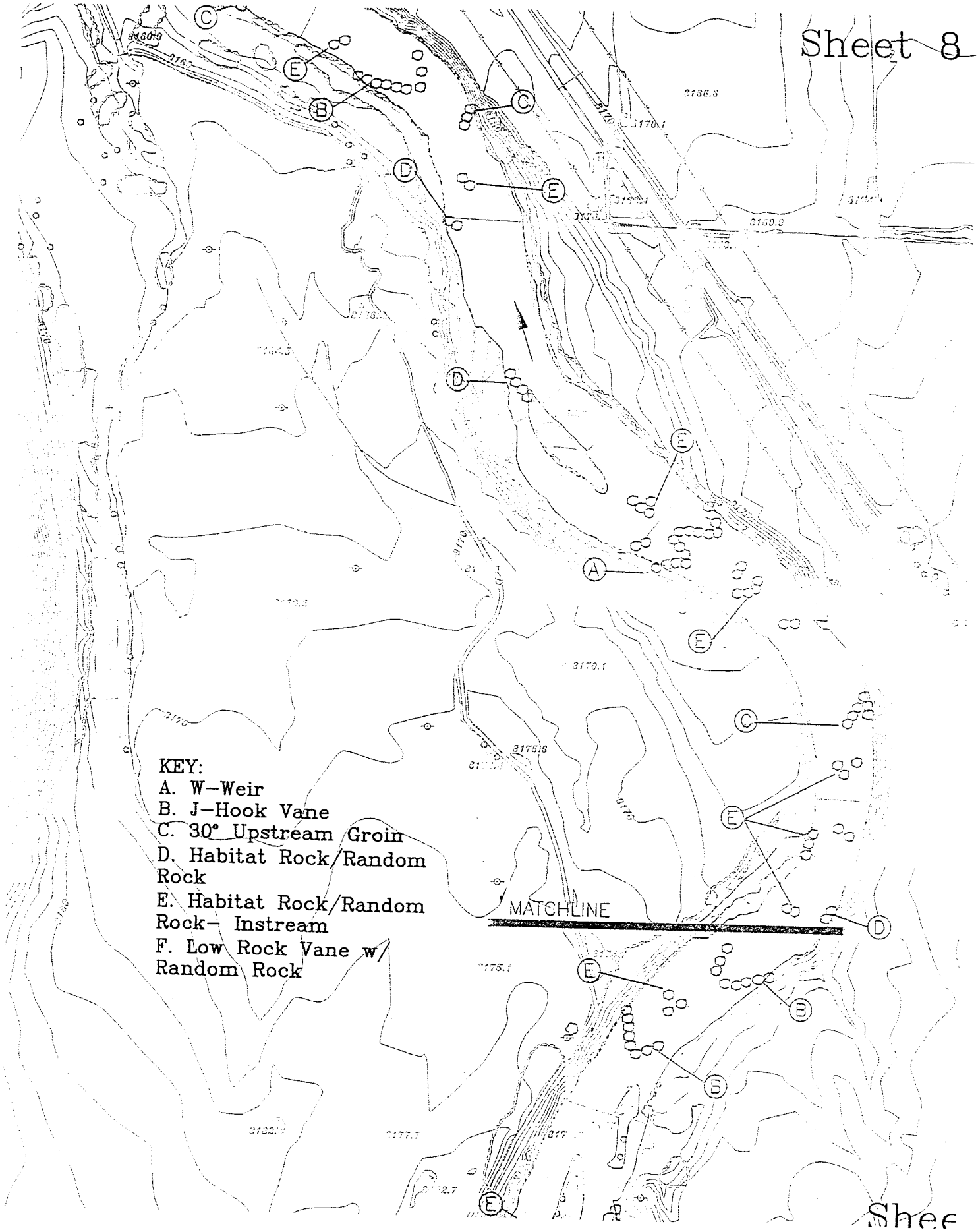
Sheet 5

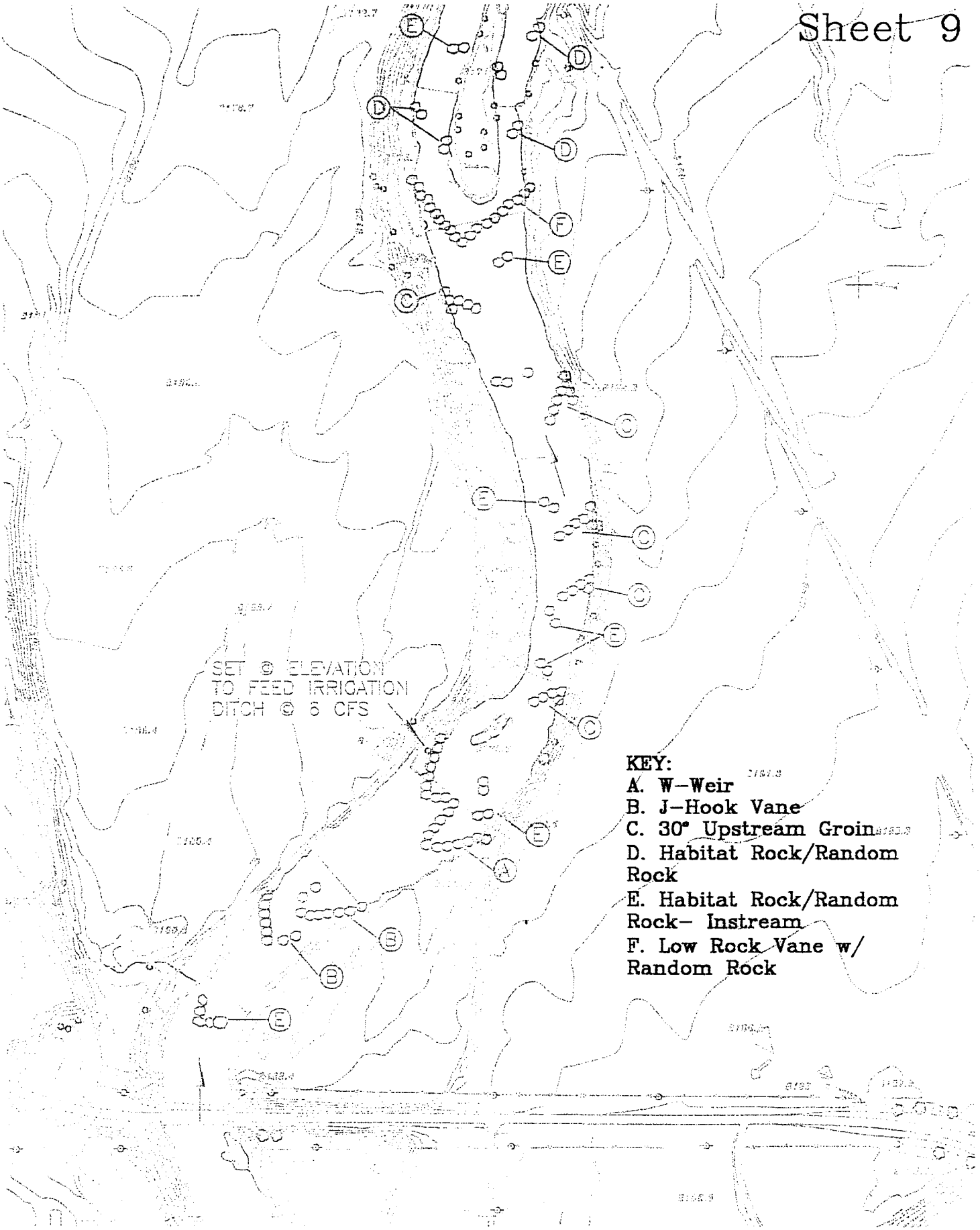
MATCHLINE
KEY:
A. W-Weir
B. J-Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock-Instream
F. Low Rock Vane w/ Random Rock


Sheet 6
MATCHLINE
KEY:
A. W-Weir
B. J-Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock- Instream
F. Low Rock Vane w/ Random Rock

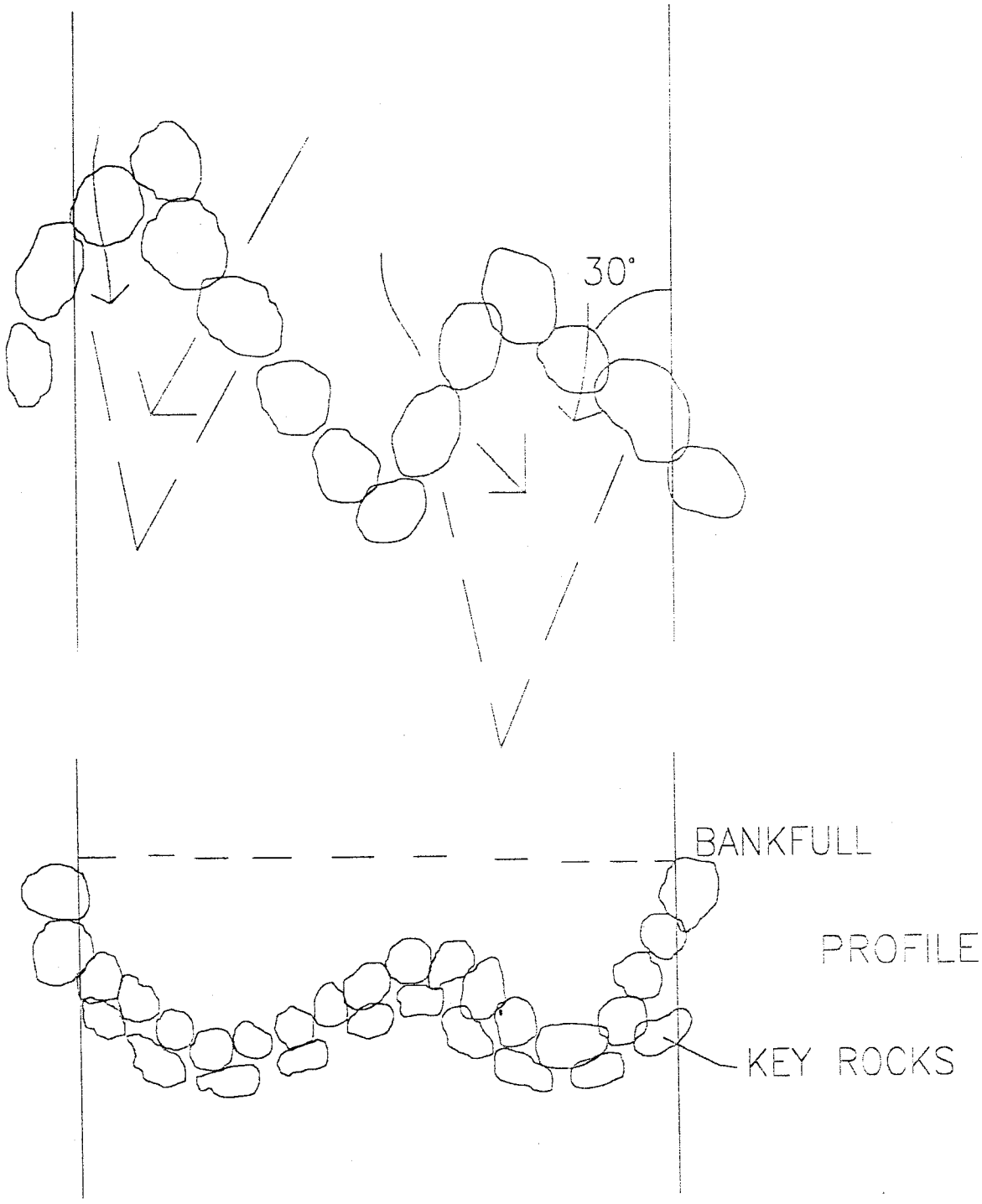

Sheet 7
OPEN STORAGE
SET @ ELEVATION TO FEED IRRIGATION DITCH @ 25 CFS
SERIES OF SHORT GROINS TO PROTECT BANK CREATE FISHING SEAMS
MATCHLINE
KEY:
A. W-Weir
B. J-Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock- Instream
F. Low Rock Vane w/ Random Rock

Sh


Sheet 8
KEY:
A. W-Weir
B. J-Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock- Instream
F. Low Rock Vane w/ Random Rock
MATCHLINE


SET @ ELEVATION
TO FEED IRRIGATION
DITCH @ 6 CFS
KEY:
A. W-Weir
B. J-Hook Vane
C. 30° Upstream Groin
D. Habitat Rock/Random Rock
E. Habitat Rock/Random Rock- Instream
F. Low Rock Vane w/ Random Rock

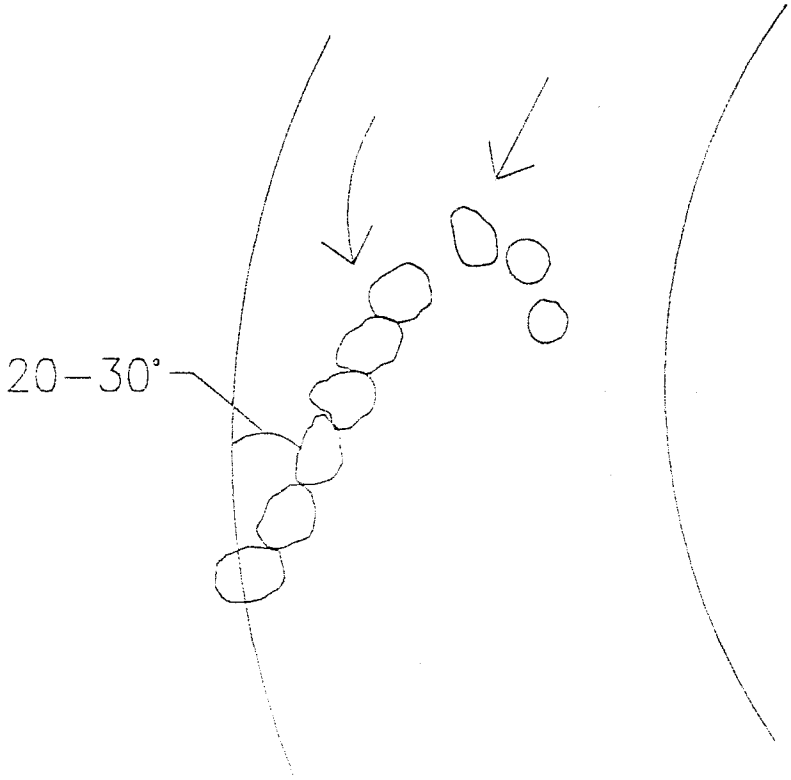
A.

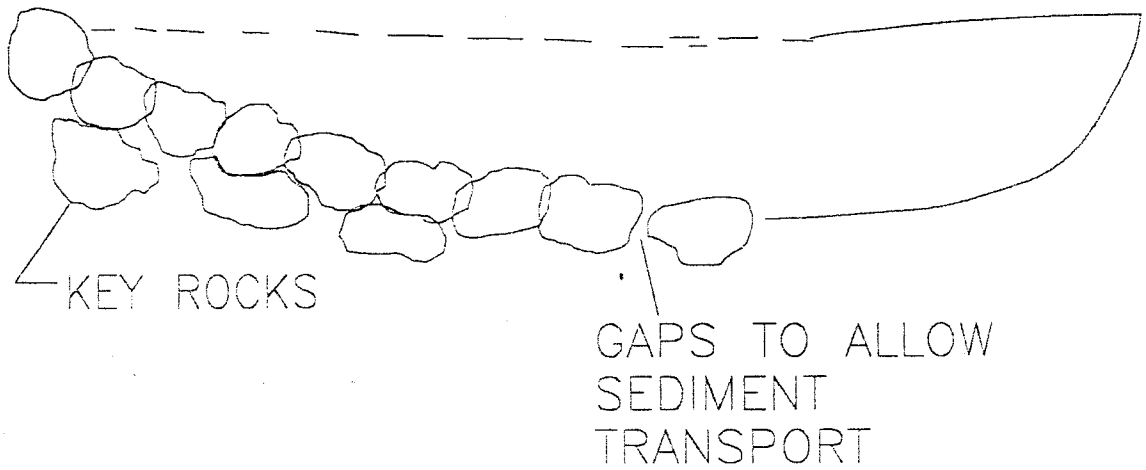


BANK STRUCTURES INSTALLED AND REINFORCED AT
BANK FULL ELEVATION

W—WEIR

B.

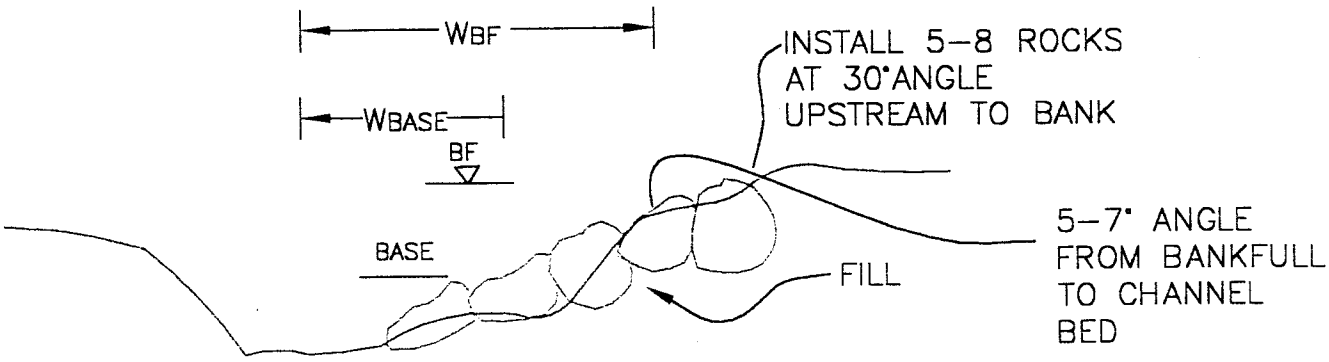


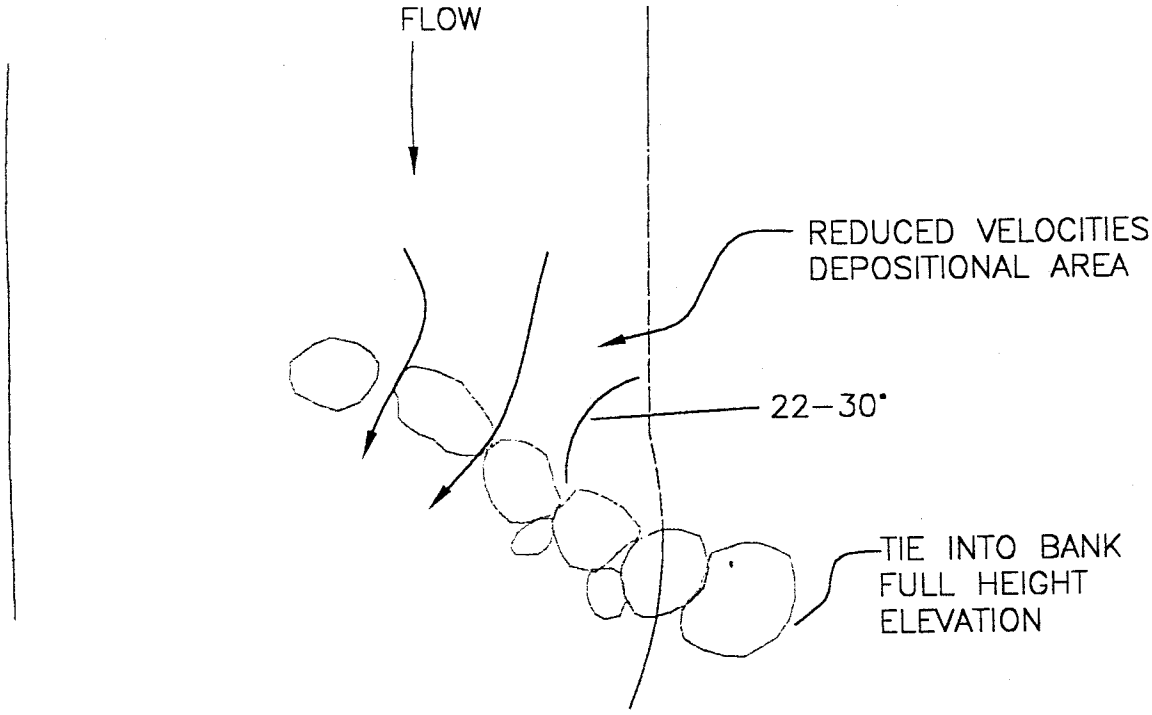


BANK STRUCTURES INSTALLED AND REINFORCED AT BANK FULL ELEVATION

J–HOOK VANE

STRUCTURE FUNCTION: TO ALLOW SEDIMENT TRANSPORT NEAR BANK VELOCITIES ON UNARMORED BANKS AND INCREASE VELOCITIES AND SCOUR ON PROTECTED BANK. CREATE UNDERCUT BANKFILL HABITAT.





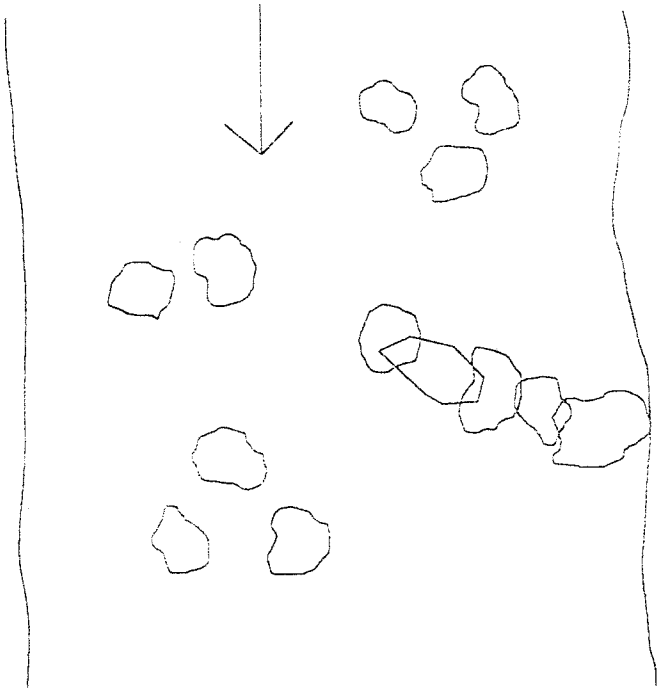
BF = OHWL

BANK STRUCTURES INSTALLED AND REINFORCED AT BANK FULL ELEVATION

30° UPSTREAM GROIN

D & E

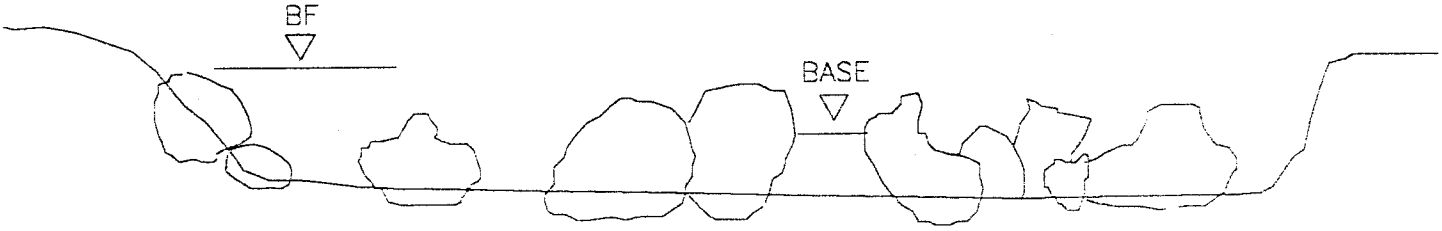
BANK STRUCTURES INSTALLED AND REINFORCED AT BANK FULL ELEVATION



SOME CLUSTERS TIGHT TO ALLOW BACK UP OF STAGE AND SLOW WATER DOWNSTREAM

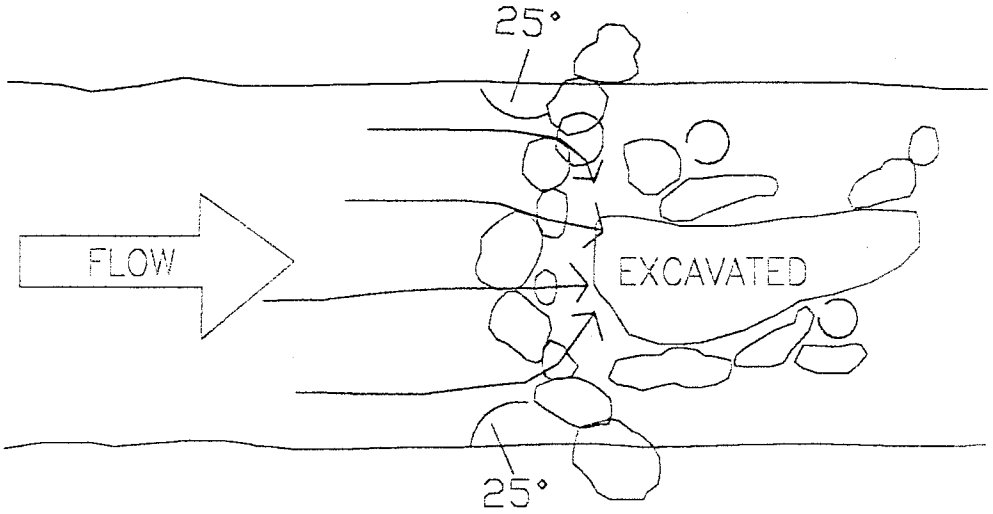
SOME CLUSTERS INSTALLED WITH GAPS BETWEEN HABITAT ROCKS TO ALLOW SEDIMENT TRANSPORT

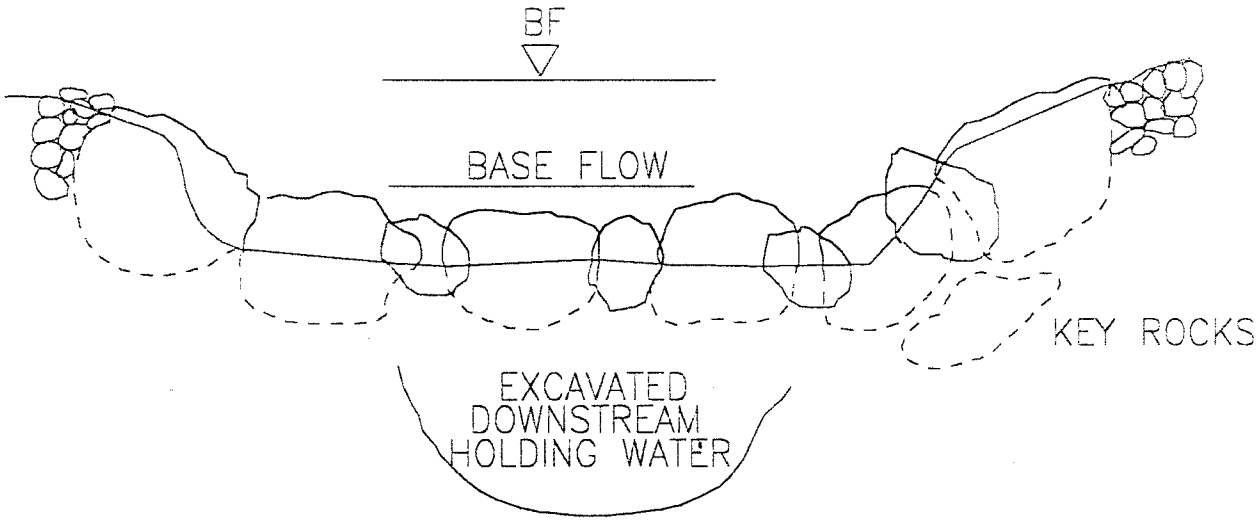
HABITAT ROCK
RANDOM ROCK CLUSTERS



F.

ROCKS IN VANE ARE KEYED INTO SUBSTRATE
WITHOUT GAPS IN BETWEEN





BANK STRUCTURES INSTALLED AND REINFORCED AT
BANK FULL ELEVATION

LOW ROCK VANE WITH RANDOM ROCK