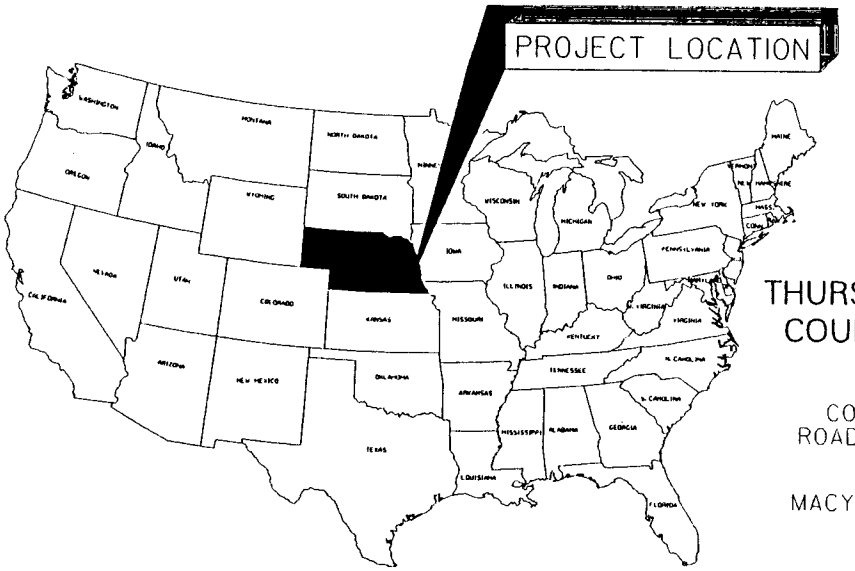
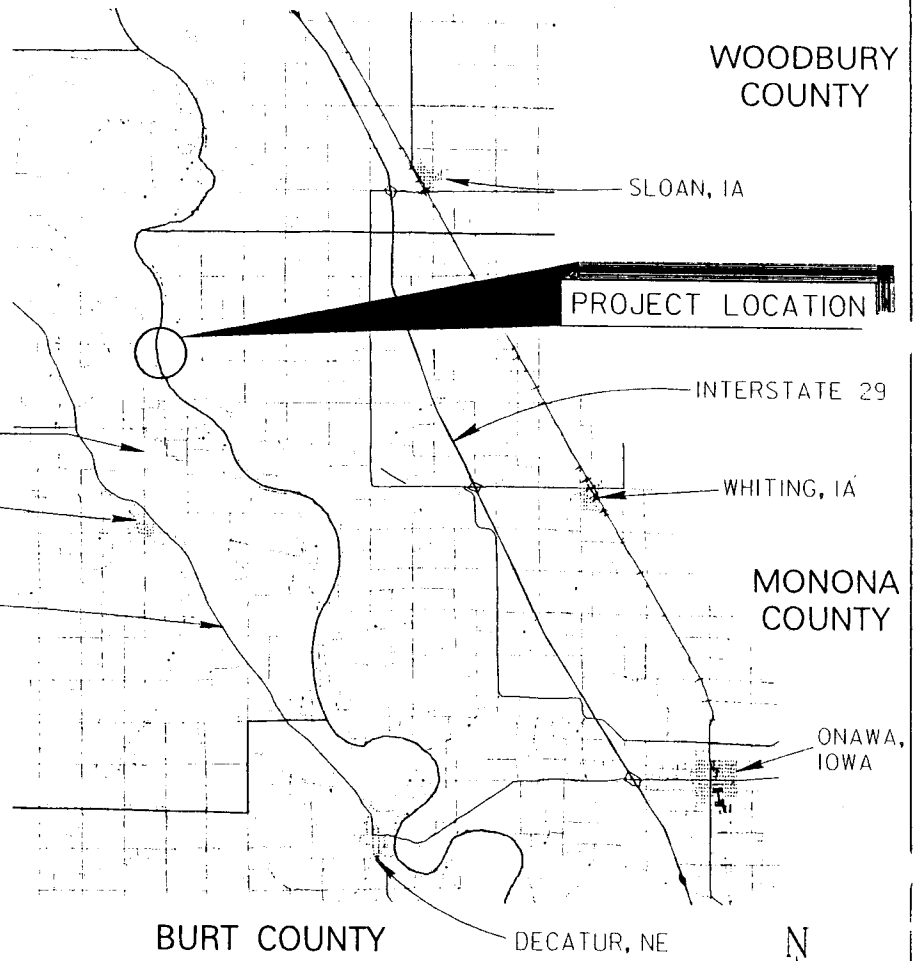
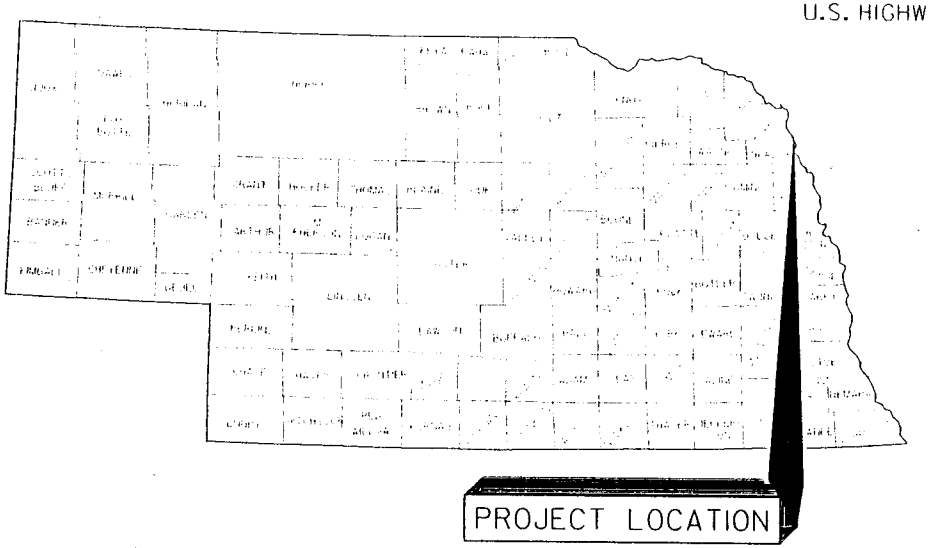
REVISIONS	SYMBOL	DESCRIPTIONS	DATE	APPROVED





VINCINITY, MAP



NEBRASKA

N

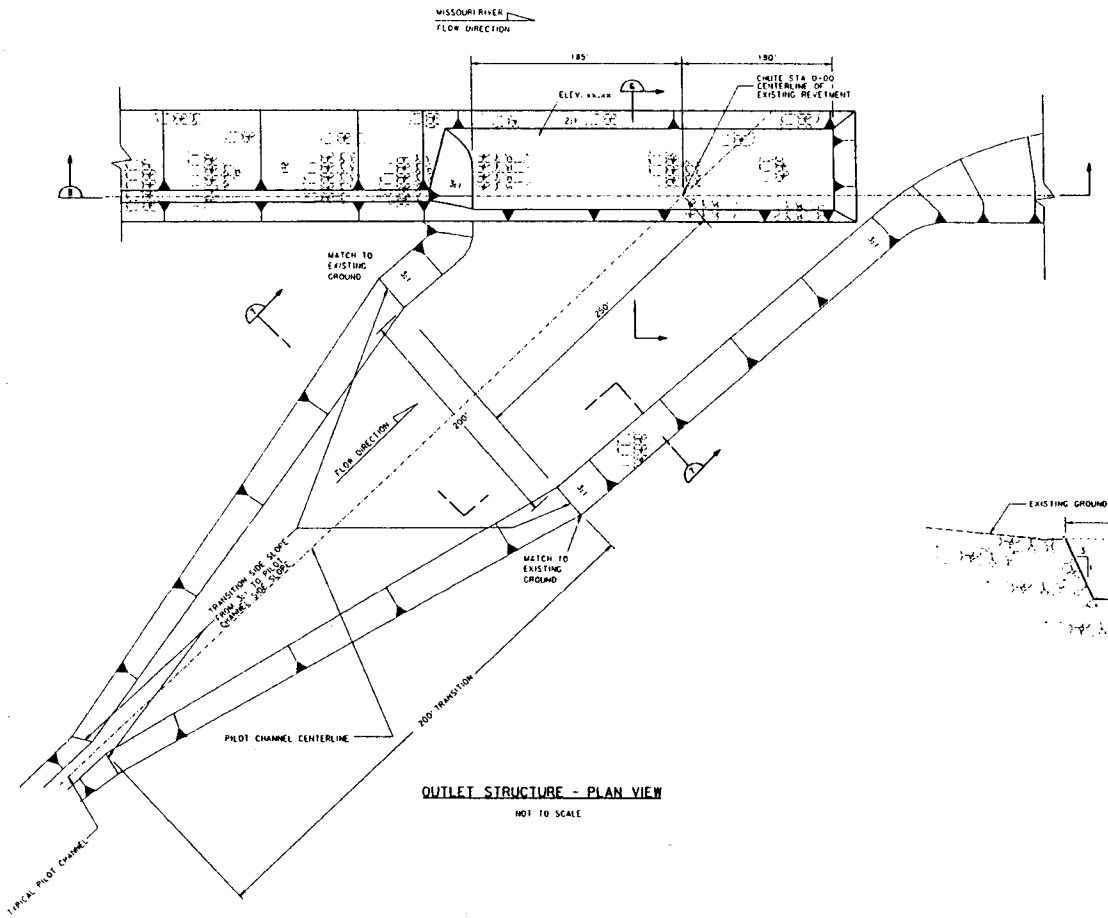
Attachment 1

LOCATION PLAN

NO SCALE

Sheet No.	Computer File: loc.dgn	Spec. No. DACW45-99-B-00XX	U S ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA	FISH AND WILDLIFE MITIGATION; MISSOURI RIVER HOLE-IN-THE-ROCK PROJECT LOCATION MAP	Submitted by:	Designed by: R.G.P.	Checked by: J.I.R.
1	Date: JAN. 2003	Contract No. DACW45-00-00xx			Chief SED. & CHAN. STAB. Section	Reviewed by: J.I.R.	Drawn by: R.G.P.
	Drawing Code: PUBDATA\RICKP\X						

REVISIONS	SYMBOL	DESCRIPTIONS	DATE	APPROVED

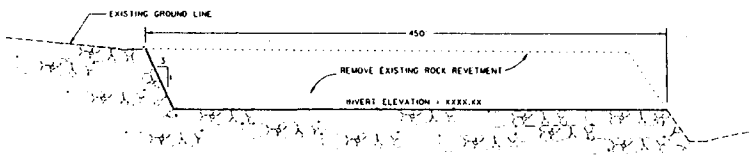


OUTLET STRUCTURE - PLAN VIEW

NOT TO SCALE

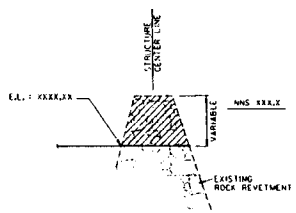
NOTES:

1. MATERIAL PLACED BELOW THE PILOT CHANNEL INVERT ELEVATION DOES NOT REQUIRE BACKFILLING.
2. NNS = NORMAL NAVIGATION STAGES (APRIL - NOVEMBER)
3. THE WATER SURFACE ELEVATIONS SHOWN IN THE DRAWINGS (DESIGNATED AS NNS) ARE THE EXPECTED RIVER STAGE ELEVATIONS DURING THE "NORMAL" NAVIGATION RELEASES (THE MONTHS OF APRIL THROUGH NOVEMBER). THE EXPECTED RIVER GAGE ELEVATION CAN AND WILL FLUCTUATE PLUS OR MINUS SEVERAL FEET THROUGHOUT THE YEAR. THE FLUCTUATING ARE THE RESULTS OF THE COMBINATION OF RELEASES FROM THE MISSOURI RIVER MAIN STEM SYSTEM AND UNCONTROLLED TRIBUTARIES THAT ENTER THE MISSOURI RIVER UPSTREAM OF THE PROJECT. THE CORPS OF ENGINEERS WILL NOT REGULATE THE FLOWS BEING RELEASED FROM THE MAIN STEM DAMS FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ANTICIPATE THESE CONDITIONS. THE ACTUAL AND FORECASTED RIVER STAGE ELEVATIONS AT THIS PROJECT CAN BE OBTAINED FROM THE U.S. ARMY CORPS OF ENGINEERS RESERVOIR CONTROL CENTER BY CALLING (402) 697-2675 OR THE WEB SITE HTTP://WWW.NWO-MR.USACE.ARMY.MIL/REC/INDEX.HTML.



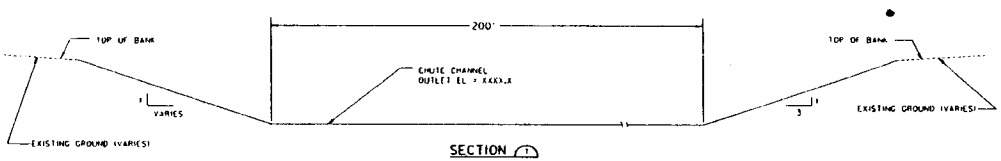
SECTION 8

NOT TO SCALE



SECTION 6

NOT TO SCALE



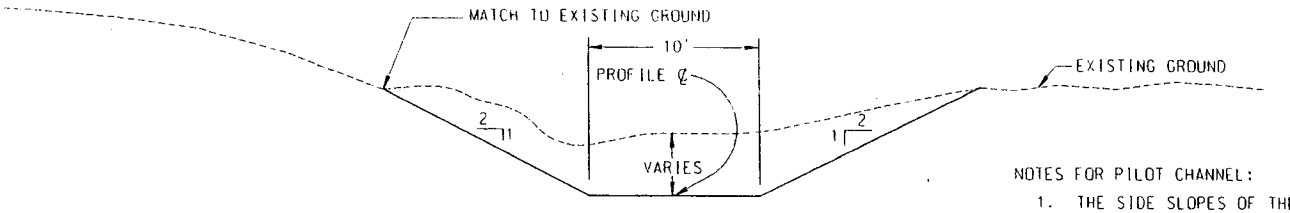
SECTION 1

NOT TO SCALE

Attachment 4

Sheet No.	Computer File: SHEET5.DGN	Spec. No. DACW45-99-B-00XX	U S ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA	FISH AND WILDLIFE MITIGATION; MISSOURI RIVER HOLE-IN-THE-ROCK PROJECT OUTLET STRUCTURE	Submitted by:	Designed by: R.G.P.	Checked by: J.I.R.
5	Date: JAN. 2003	Contract No. DACW45-00-00xx			Chief SED. & CHAN. STAB. Section	Reviewed by: J.I.R.	Drawn by: R.G.P.
	Drawing Code: PUBDATA\RICKP\X						

REVISIONS	SYMBOL	DESCRIPTIONS	DATE	APPROVED

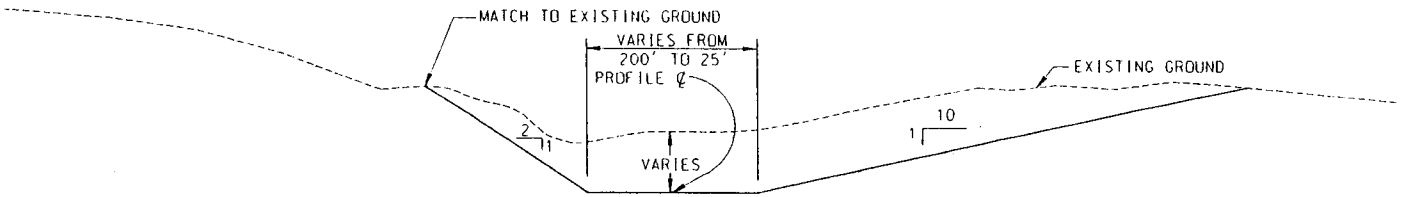


ALTERNATIVE #1 - PILOT CHANNEL TYPICAL CROSS-SECTION

NOT TO SCALE

NOTES FOR PILOT CHANNEL:

1. THE SIDE SLOPES OF THE PILOT CHANNEL ARE 1V ON 2H. STOP EXCAVATION WHEN THE SIDE SLOPE INTERSECTS THE EXISTING GROUND LINE.
2. THE PILOT CHANNEL SHALL FOLLOW THE ALIGNMENT SHOWN ON THE PLAN AND PROFILE SHEETS.

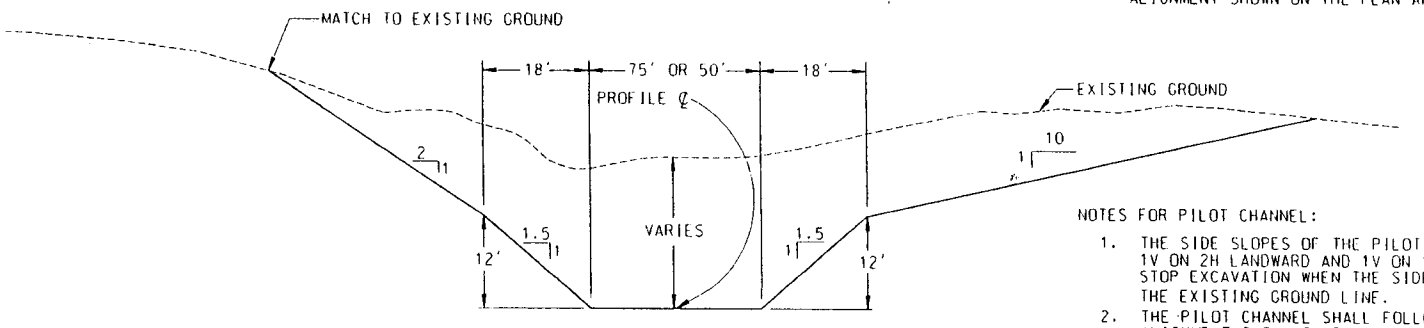


ALTERNATIVE #2 - PILOT CHANNEL TYPICAL CROSS-SECTION

NOT TO SCALE

NOTES FOR PILOT CHANNEL:

1. THE SIDE SLOPES OF THE PILOT CHANNEL ARE 1V ON 2H LANDWARD AND 1V ON 10H RIVERWARD. STOP EXCAVATION WHEN THE SIDE SLOPE INTERSECTS THE EXISTING GROUND LINE.
2. THE PILOT CHANNEL SHALL FOLLOW THE ALIGNMENT SHOWN ON THE PLAN AND PROFILE SHEETS.



NOTES FOR PILOT CHANNEL:

1. THE SIDE SLOPES OF THE PILOT CHANNEL ARE 1V ON 2H LANDWARD AND 1V ON 10H RIVERWARD. STOP EXCAVATION WHEN THE SIDE SLOPE INTERSECTS THE EXISTING GROUND LINE.
2. THE PILOT CHANNEL SHALL FOLLOW THE ALIGNMENT SHOWN ON THE PLAN AND PROFILE SHEETS.

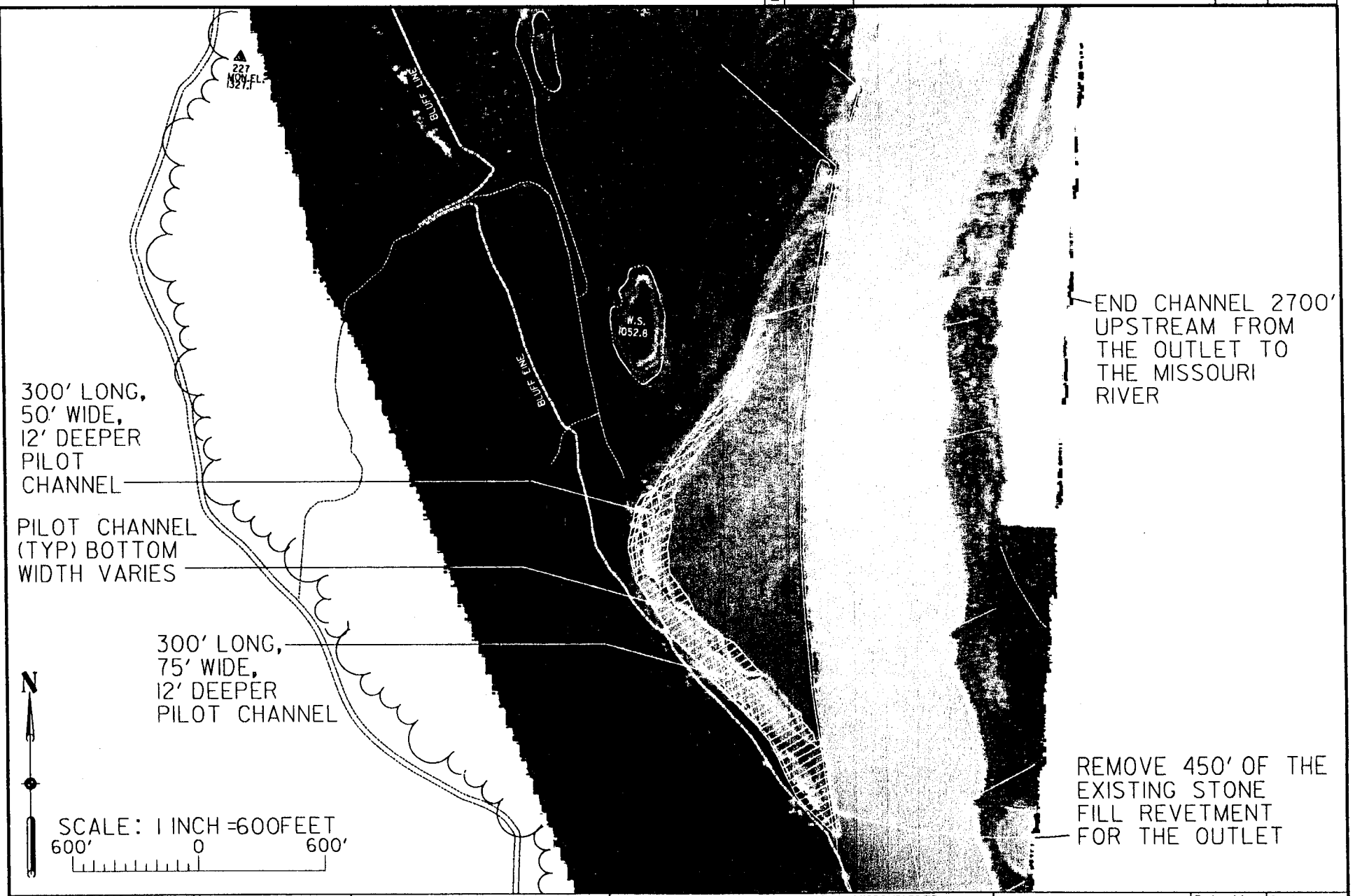
ALTERNATIVE #2 - PILOT CHANNEL (with 12' hole) TYPICAL CROSS-SECTION

NOT TO SCALE

Attachment 5

Sheet No.	Computer File: SHEET6.DGN	Spec. No. DACW45-99-B-00XX	U S ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA	FISH AND WILDLIFE MITIGATION; MISSOURI RIVER HOLE-IN-THE-ROCK PROJECT MISCELLANIOUS DETAILS	Submitted by:	Designed by: R.G.P.	Checked by J.I.R.
6	Date: JAN. 2003	Contract No. DACW45-00-00xx			Chief SED. & CHAN. STAB. Section	Reviewed by: J.I.R.	Drawn by: R.G.P.
	Drawing Code: PUBDATA\RICKP\X						

REVISIONS	SYMBOL	DESCRIPTIONS	DATE	APPROVED



Sheet No.	Computer File: SHEET3.dgn	Spec. No. DACW45-99-B-00XX	U S ARMY ENGINEER DISTRICT CORPS OF ENGINEERS OMAHA, NEBRASKA	FISH AND WILDLIFE MITIGATION; MISSOURI RIVER HOLE-IN-THE-ROCK PROJECT ALTERNATIVE #2 - SITE PLAN	Submitted by:	Designed by: R.G.P.	Checked by: J.I.R.
3	Date: JAN. 2003	Contract No. DACW45-00-00xx			Chief SED. & CHAN. STAB. Section	Reviewed by: J.I.R.	Drawn by: R.G.P.
	Drawing Code: PUBDATA\RICKP\X						

Attachment 6