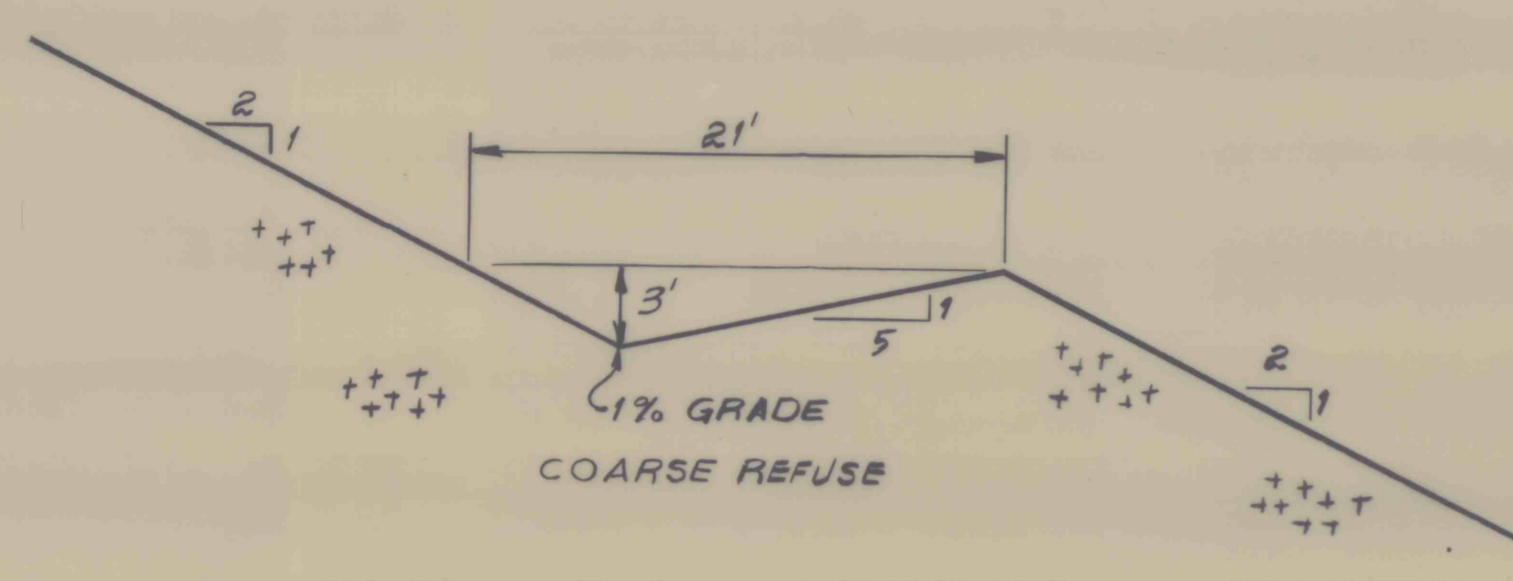
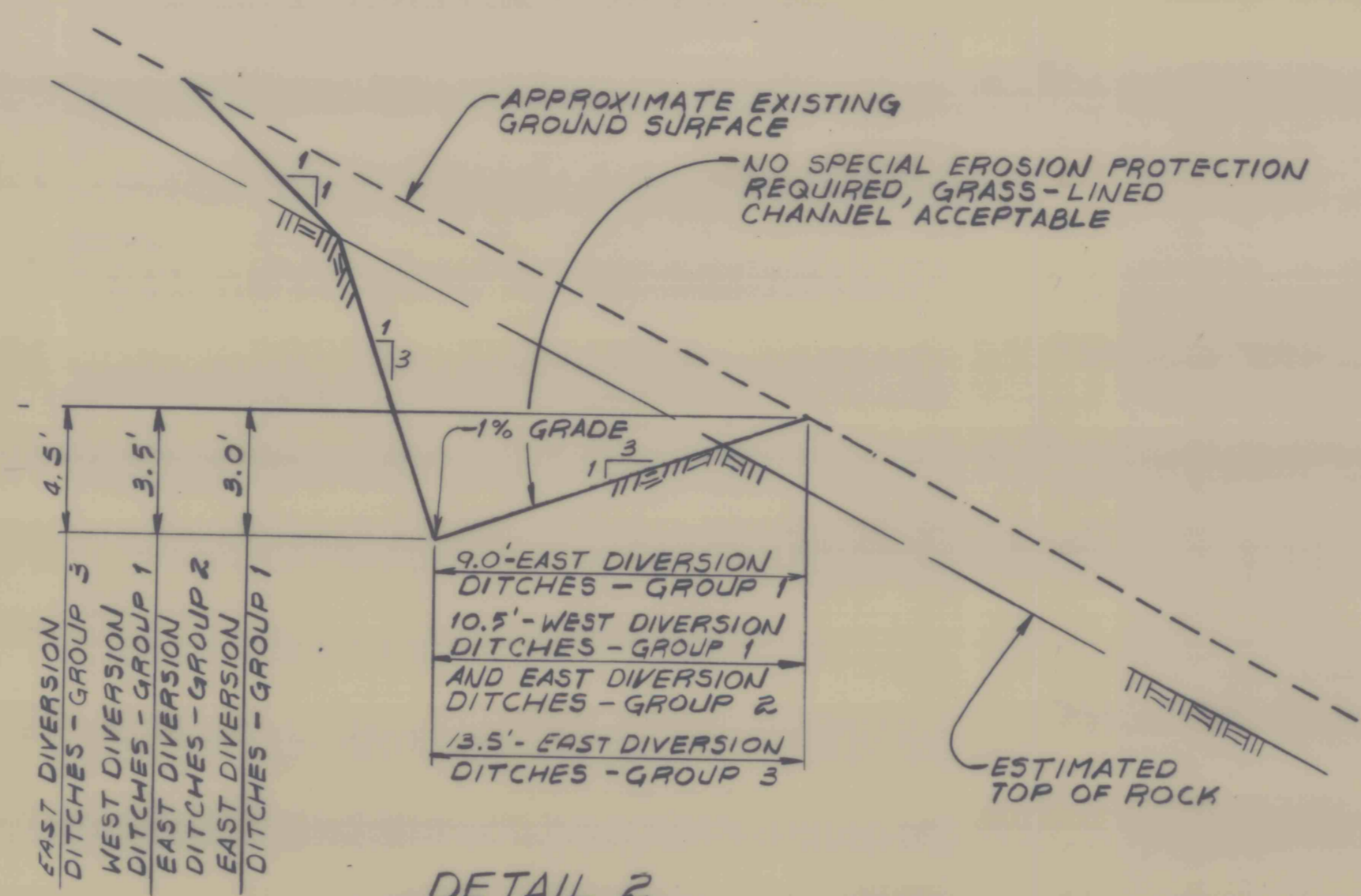


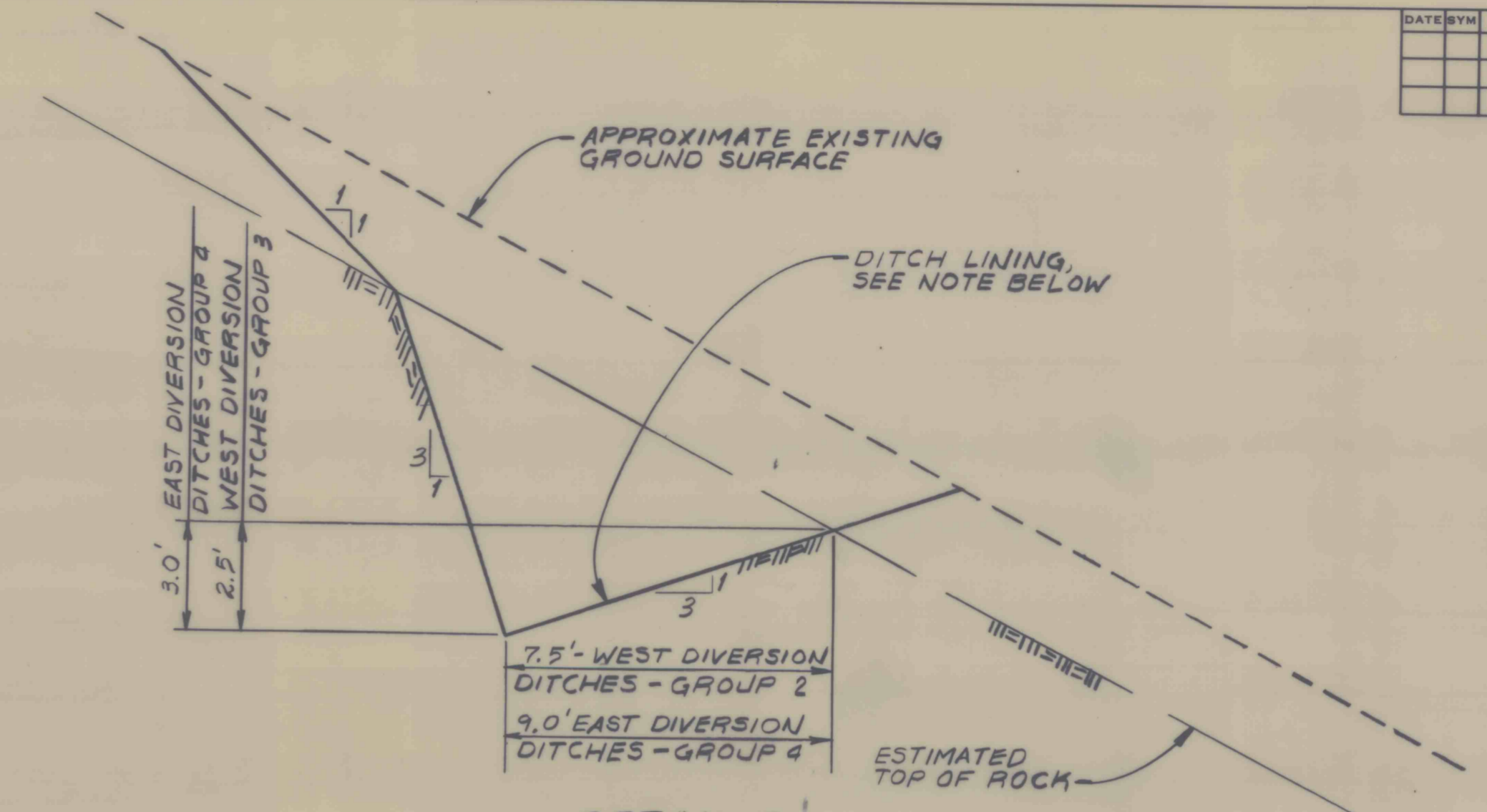
DATE	BY	REVISION	RECORD	DR.	CK.



**DETAIL 1**  
**TYPICAL 20' WIDE BENCH**  
N.T.S.



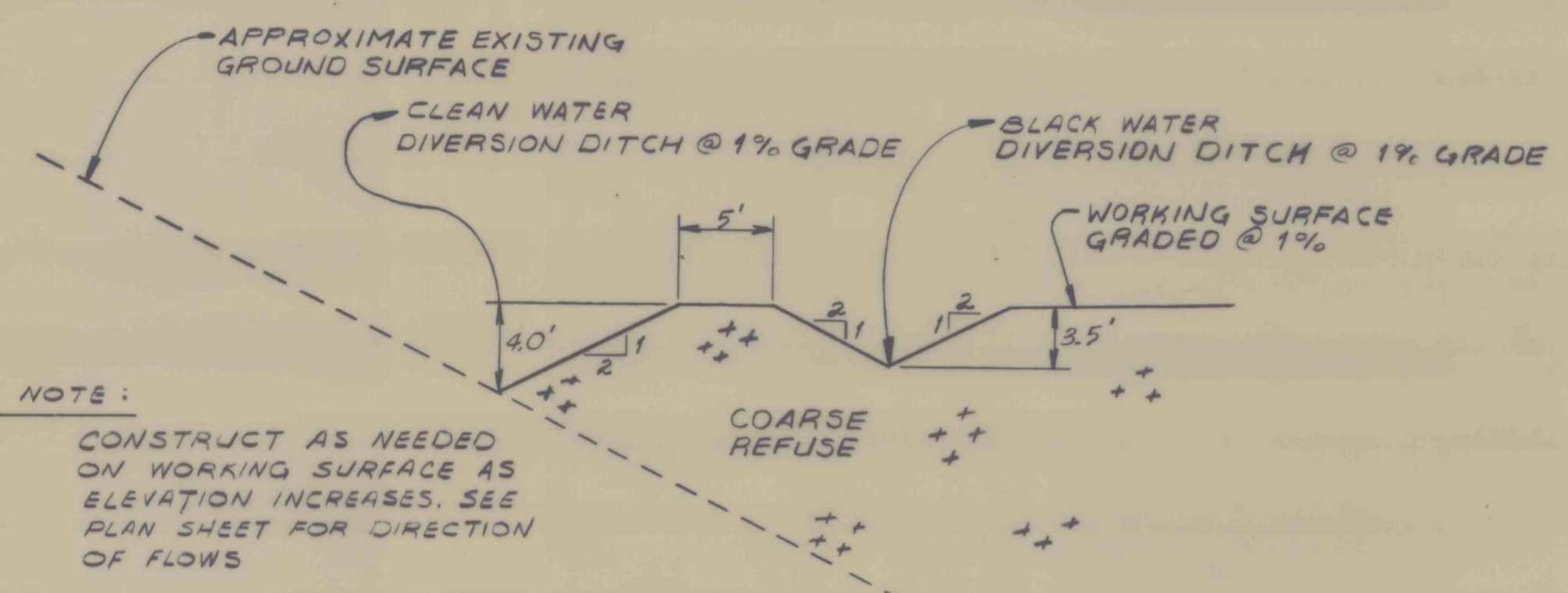
**DETAIL 2**  
**BLACK WATER DIVERSION DITCHES**  
**UNSPECIFIED DITCHLINE MATERIAL**  
N.T.S.



**DETAIL 3**  
**BLACK WATER DIVERSION DITCHES**  
**CUT INTO ROCK OR RIPRAP LINED**  
N.T.S.

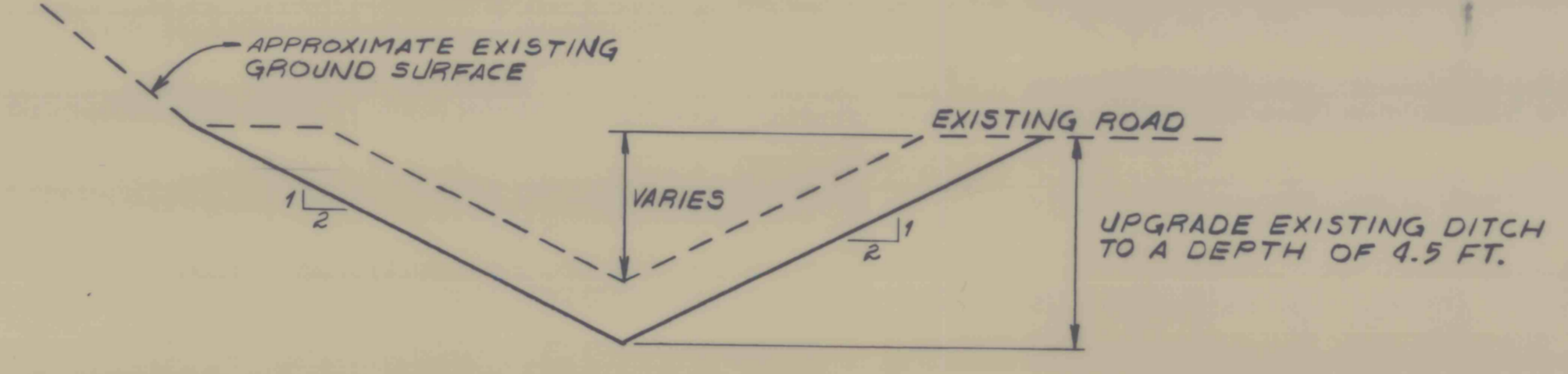
**NOTE:**  
THE ABOVE GROUPS OF DIVERSION DITCHES SHOULD BE CUT INTO ROCK OR RIPRAP LINED. IF RIPRAP IS USED, THE FOLLOWING REQUIREMENTS APPLY:

DITCH	MEAN STONE SIZE	RIPRAP LAYER THICKNESS
WEST DIVERSION DITCHES - GROUP 3	18" Ø	36"
EAST DIVERSION DITCHES - GROUP 4	24" Ø	48"

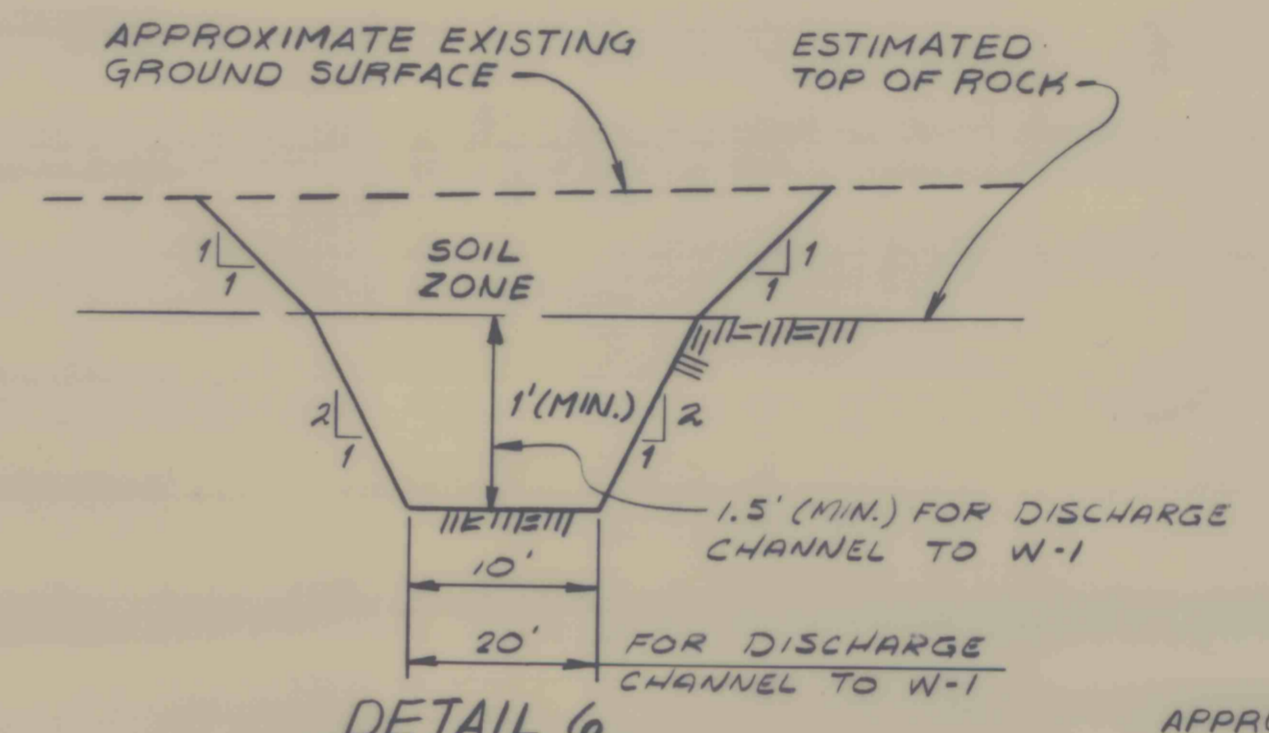


**DETAIL 4**  
**TYPICAL WORKING SURFACE**  
**DIVERSION DITCHES**  
N.T.S.

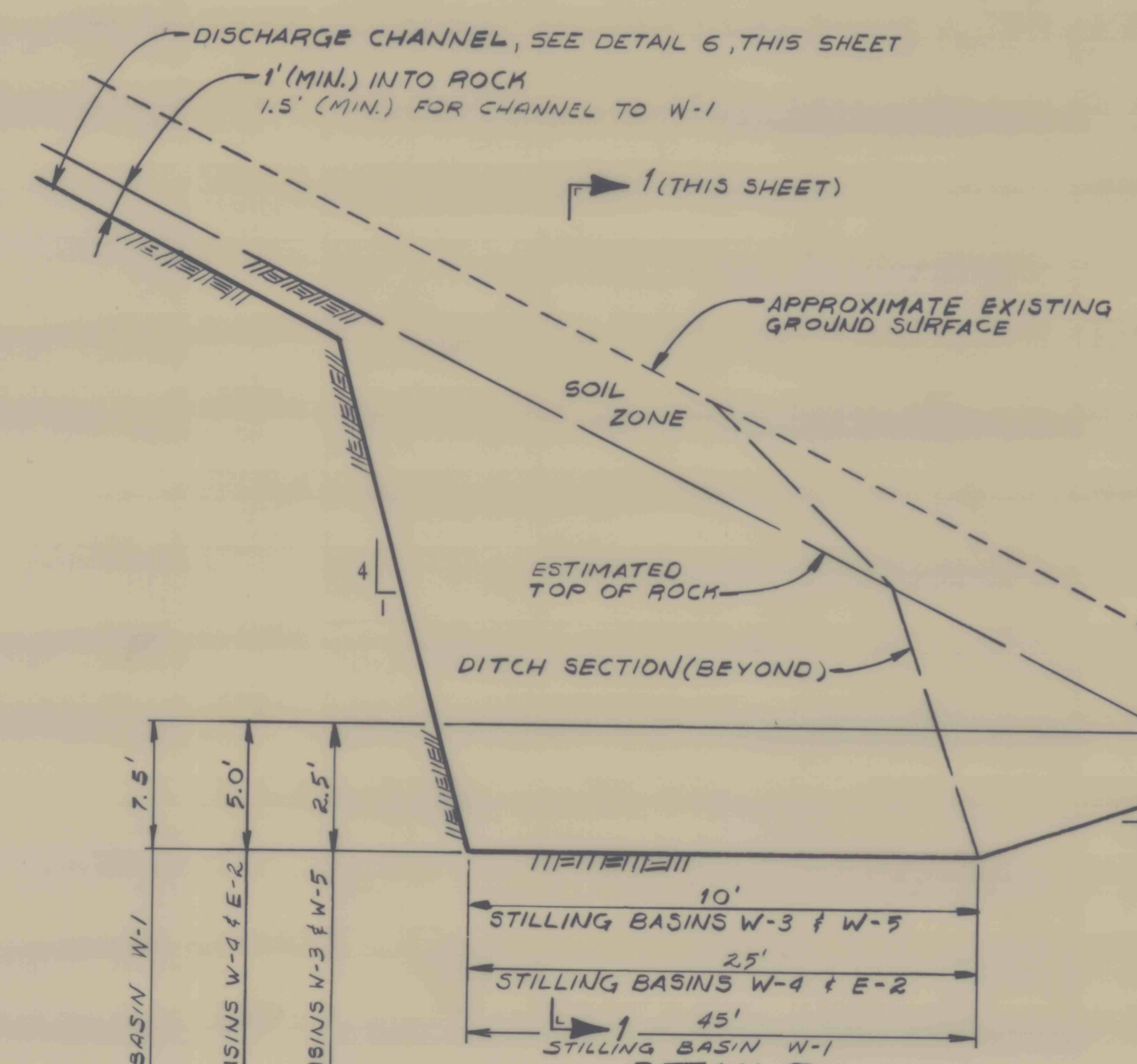
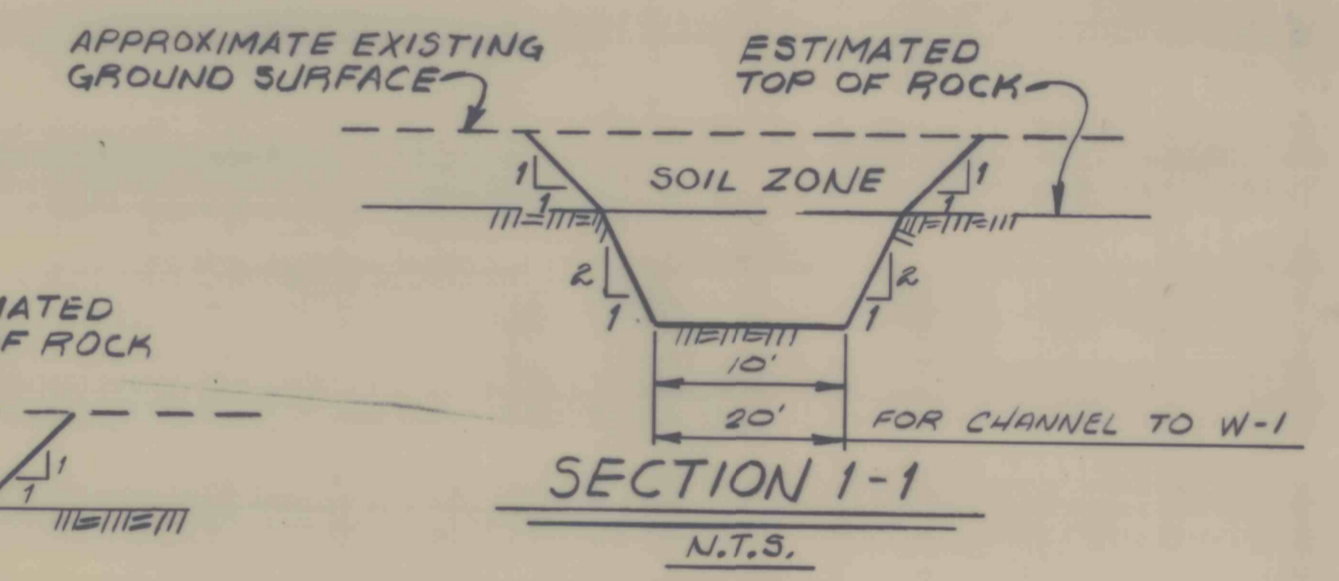
**NOTE:**  
CONSTRUCT AS NEEDED ON WORKING SURFACE AS ELEVATION INCREASES. SEE PLAN SHEET FOR DIRECTION OF FLOWS



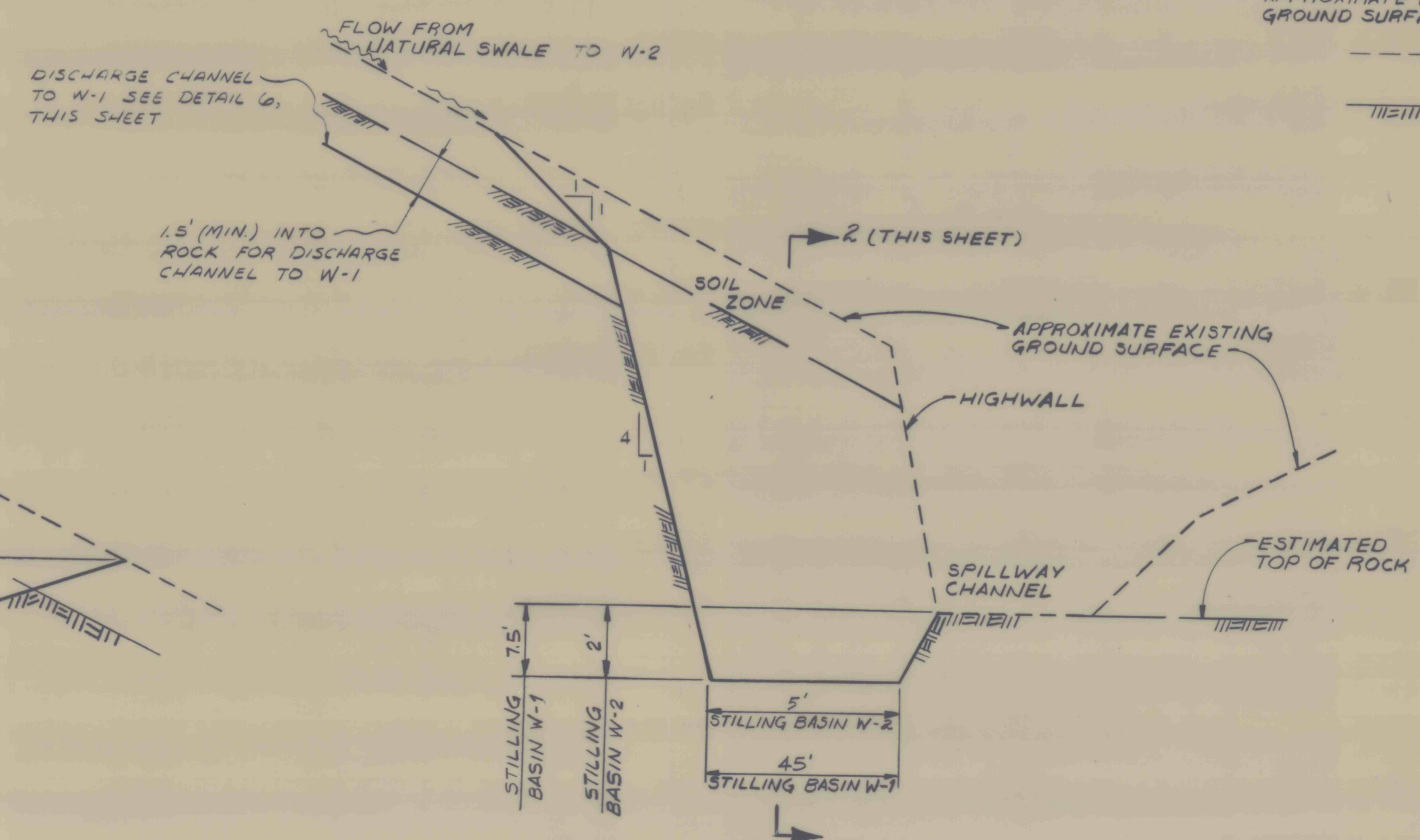
**DETAIL 5**  
**UPGRADING OF EXISTING DITCH**  
N.T.S.



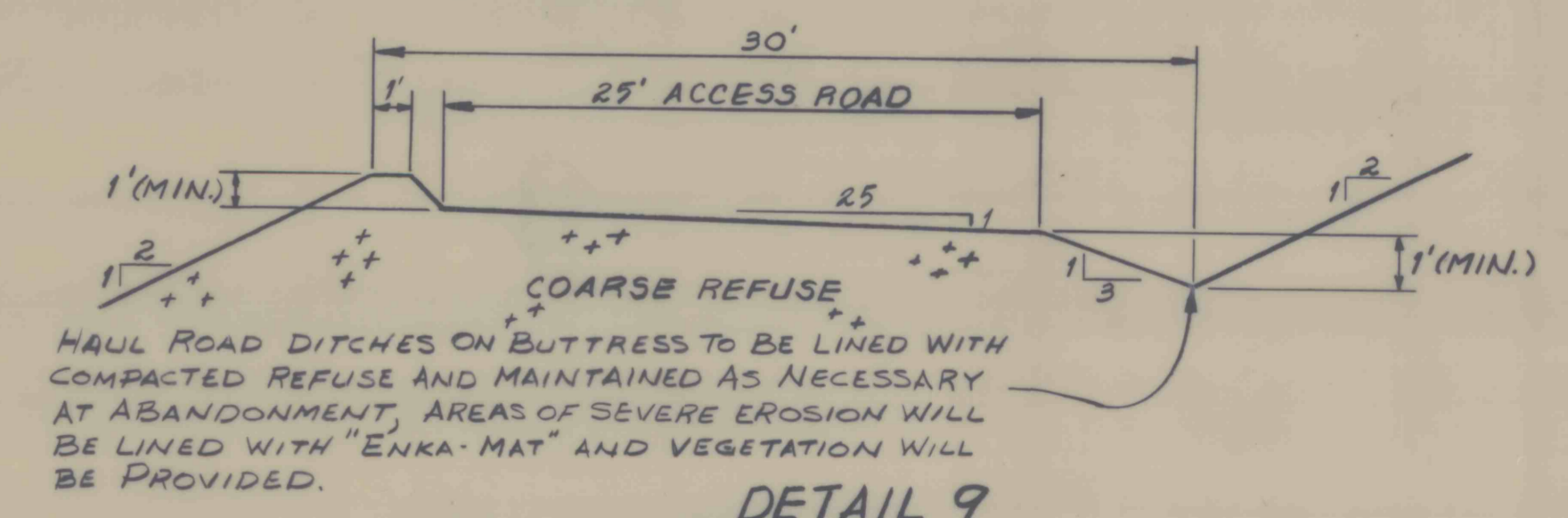
**DETAIL 6**  
**TYPICAL DISCHARGE CHANNEL**  
N.T.S.



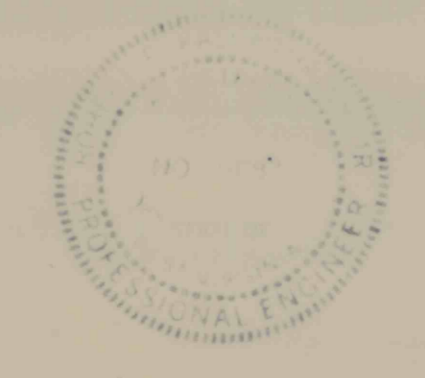
**DETAIL 7**  
**TYPICAL BLACK WATER DIVERSION**  
**STILLING BASIN**  
N.T.S.



**DETAIL 8**  
**TYPICAL BLACK WATER DIVERSION**  
**STILLING BASINS ALONG EXISTING SPILLWAY**  
N.T.S.



**DETAIL 9**  
**TYPICAL HAUL ROAD SECTION**  
N.T.S.



**SRW ASSOCIATES INC.**

SCALE: AS NOTED    APPROVED BY: *[Signature]*    DRAWN BY: D.K. Sykes  
DATE: FEB. 24, 1984    CHECKED BY: *[Signature]*

BETHLEHEM MINES CORPORATION  
WEST VIRGINIA DIVISION  
BOONE NO. 3 MINE  
EXISTING COAL REFUSE DISPOSAL FACILITY  
VAN, WEST VIRGINIA

DETAILS I THROUGH 9    SHEET NUMBER 10 of 13  
DRAWING NUMBER    83155 - E9