

- 0029

*Earth Day Award Presented
to Board on 3/22/2000.*

*Macomg
ACT/007/039*

**CANYON FUEL COMPANY, LLC
DUGOUT CANYON MINE**

**APPLICATIONS OF INNOVATIVE
ENVIRONMENTAL TECHNOLOGIES**

DUGOUT CANYON MINE

Coal mining operations began in Dugout Canyon in 1925 with the opening of a small wagon mine. Mining continued sporadically until the early 1980s when a significant mining operation was planned and permitted by Sunedco. This large operation was never realized. Through a series of transfers and purchases, Canyon Fuel Company, LLC acquired the Sunedco properties and in 1998 permitted and constructed the existing mining operation. Our goal from the outset was to develop surface facilities capable of handling several million tons of mined coal per year with the least amount of surface disturbance.

INNOVATIVE TECHNOLOGY USED TO MINIMIZE ENVIRONMENTAL DISTURBANCE

1. Maximize Available Space and Protect Stream from Contamination
2. Reduce Expansion of Existing Cutslopes and Reclaim Pre-Law Highwalls
3. Reduce Expansion of Pre-Law Highwalls
4. Eliminate Creating New Cutslopes and Protect Undisturbed Areas



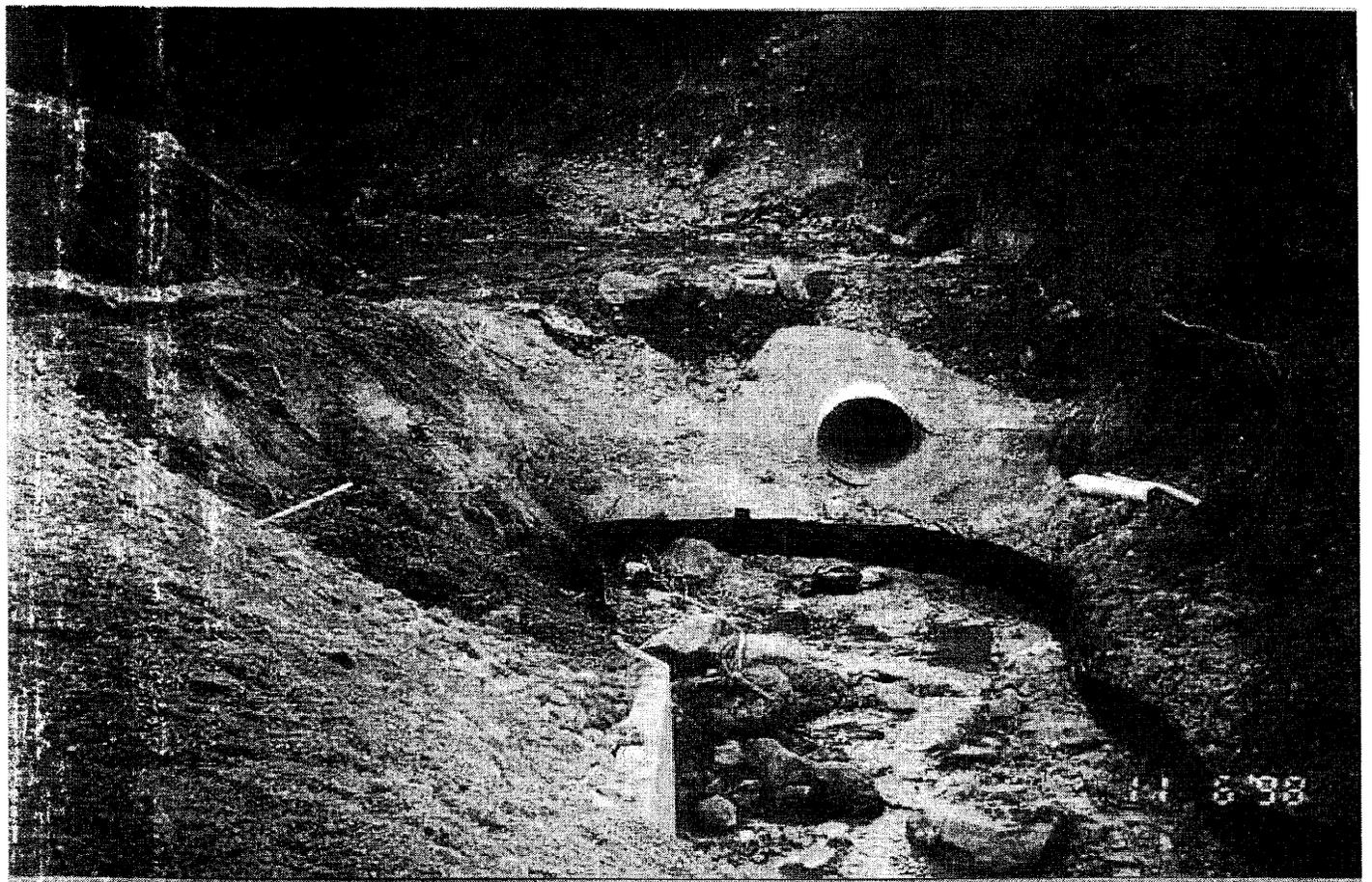
Maximize Available Space and Protect Stream From Contamination



Maximize Available Space and Protect Stream from Contamination



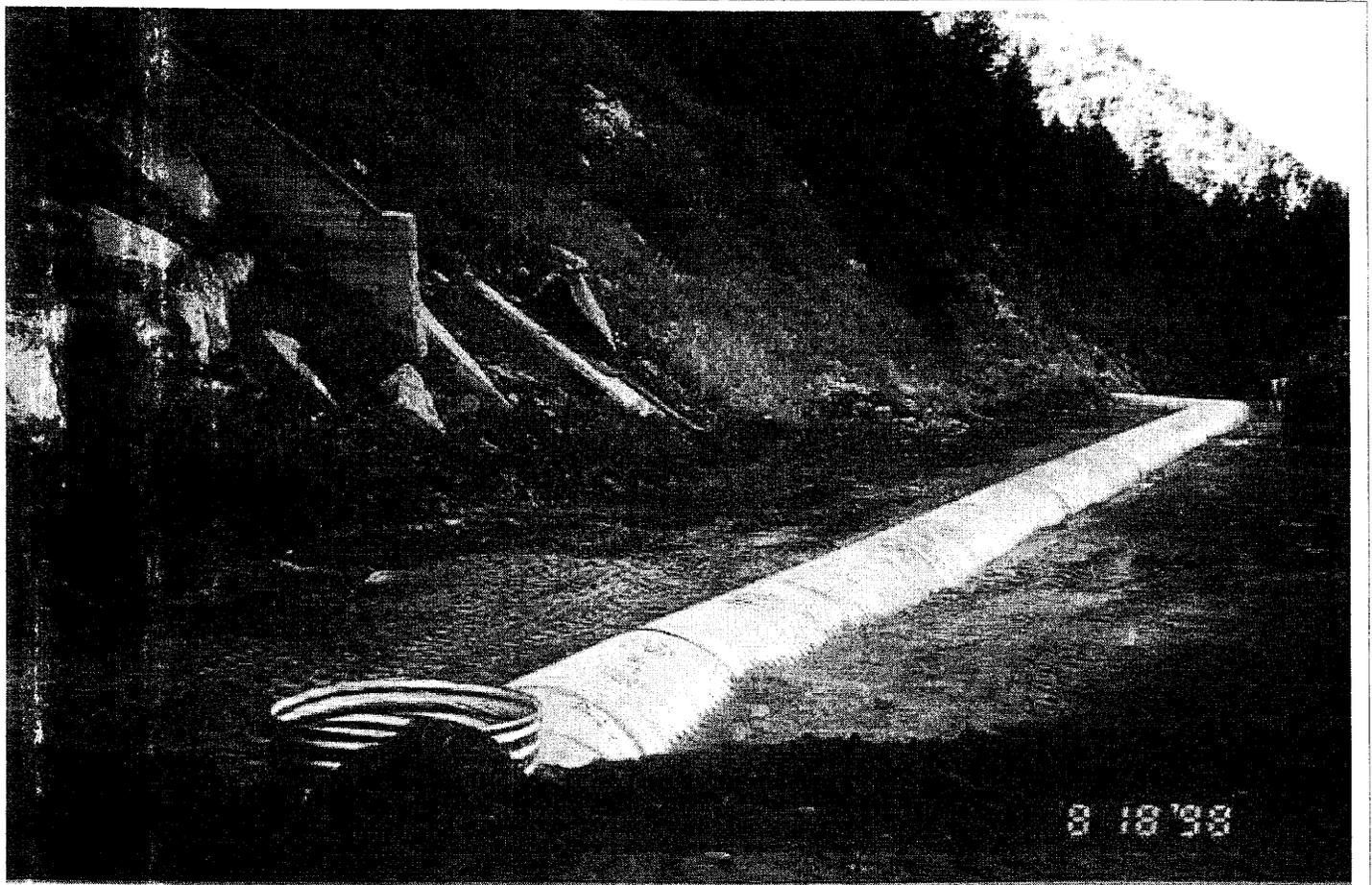
Maximize Available Space and Protect Stream from Contamination



Maximize Available Space and Protect Stream from Contamination

INNOVATIVE TECHNOLOGY USED TO MINIMIZE ENVIRONMENTAL DISTURBANCE

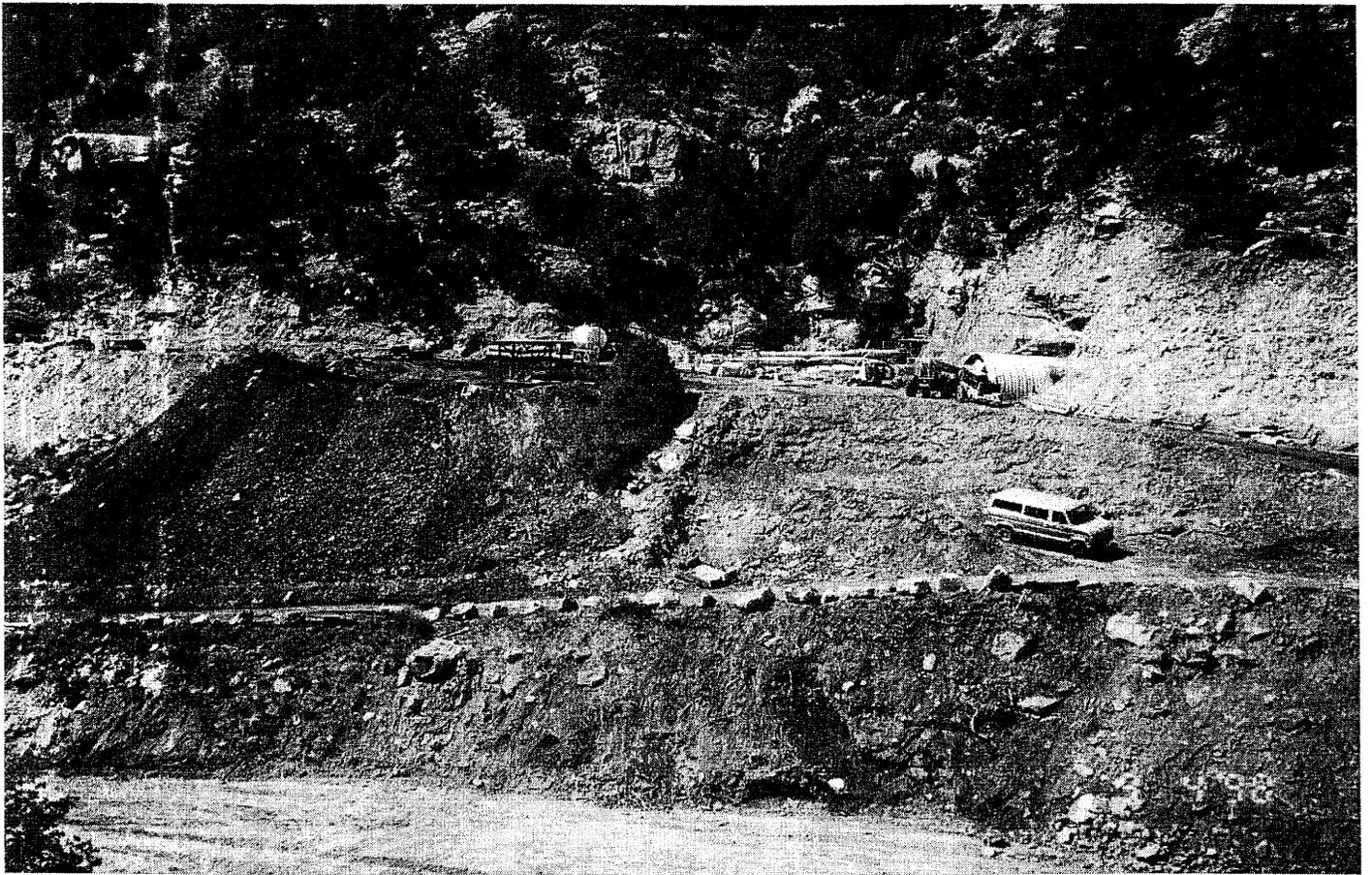
1. Maximize Available Space and Protect Stream from Contamination
2. Reduce Expansion of Existing Cutslopes and Reclaim Pre-Law Highwalls
3. Reduce Expansion of Pre-Law Highwalls
4. Eliminate Creating New Cutslopes and Protect Undisturbed Areas



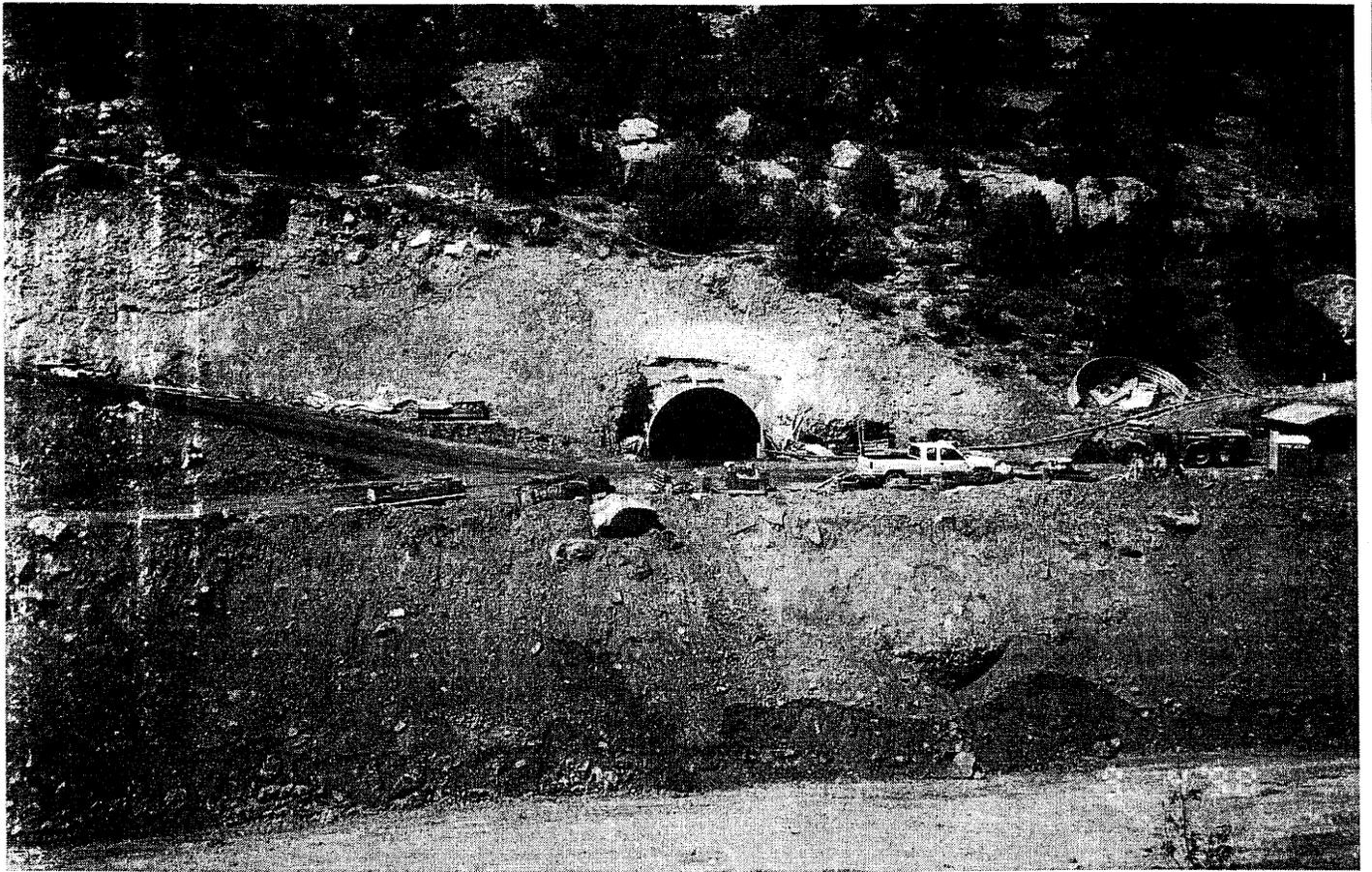
Reduce Expansion of Existing Cutslopes and Reclaim Pre-Law Highwalls



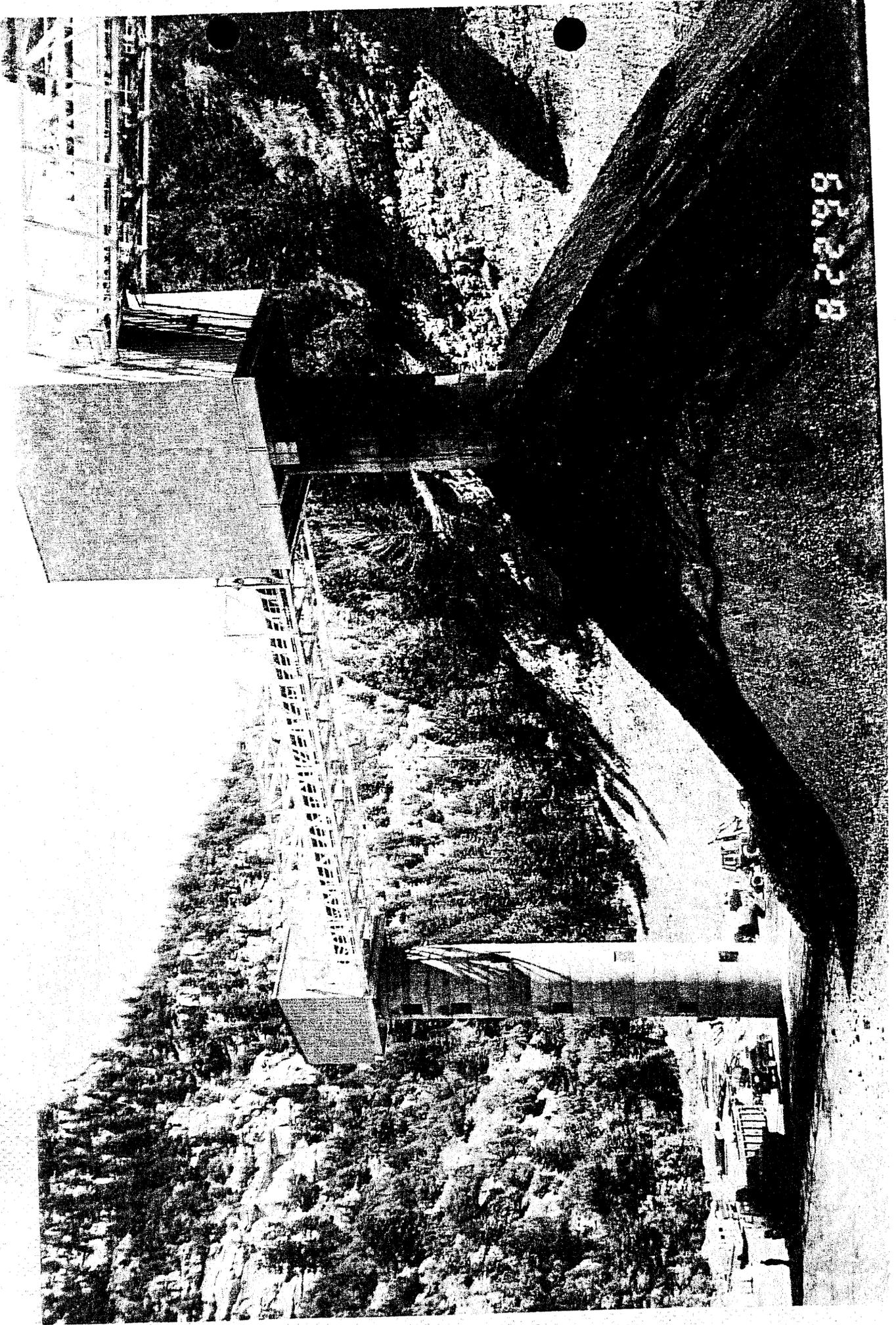
Reduce Expansion of Existing Cutslopes and Reclaim Pre-Law Highwalls



Reduce Expansion of Existing Cutslopes and Reclaim Pre-Law Highwalls



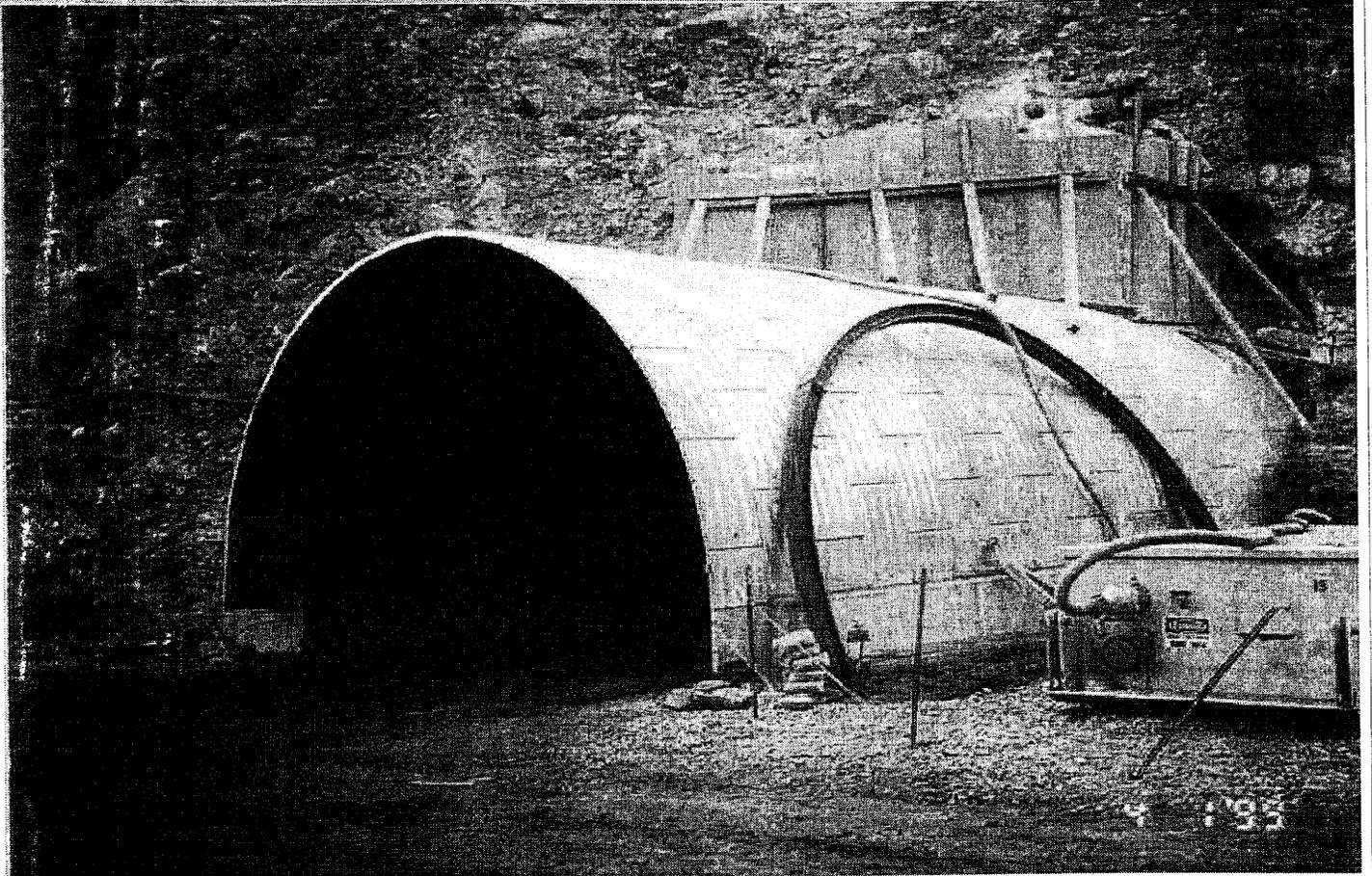
Reduce Expansion of Existing Cutslopes and Reclaim Pre-Law
Highwalls



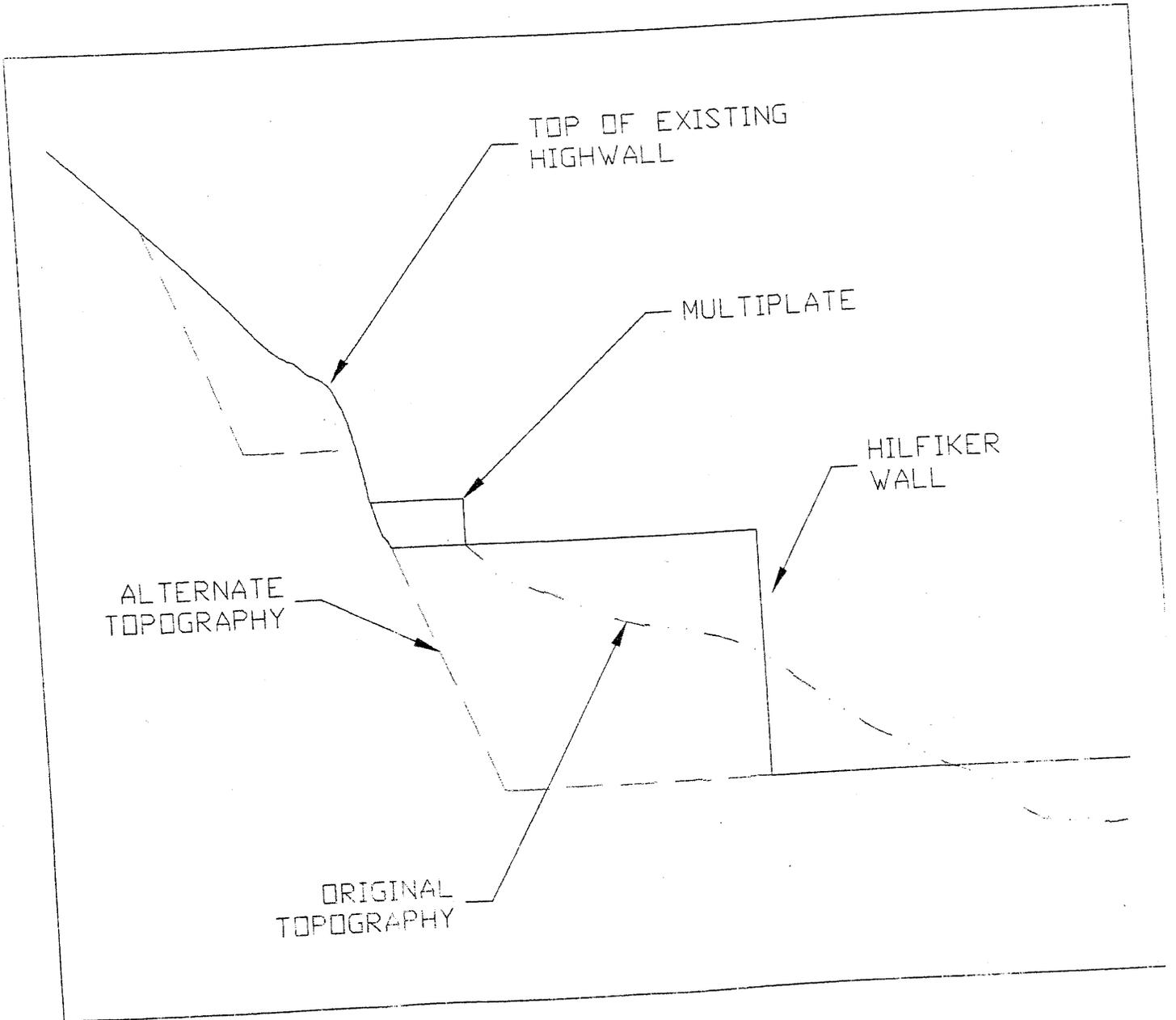
66.228

INNOVATIVE TECHNOLOGY USED TO MINIMIZE ENVIRONMENTAL DISTURBANCE

1. Maximize Available Space and Protect Stream from Contamination
2. Reduce Expansion of Existing Cutslopes and Reclaim Pre-Law Highwalls
3. Reduce Expansion of Pre-Law Highwalls
4. Eliminate Creating New Cutslopes and Protect Undisturbed Areas

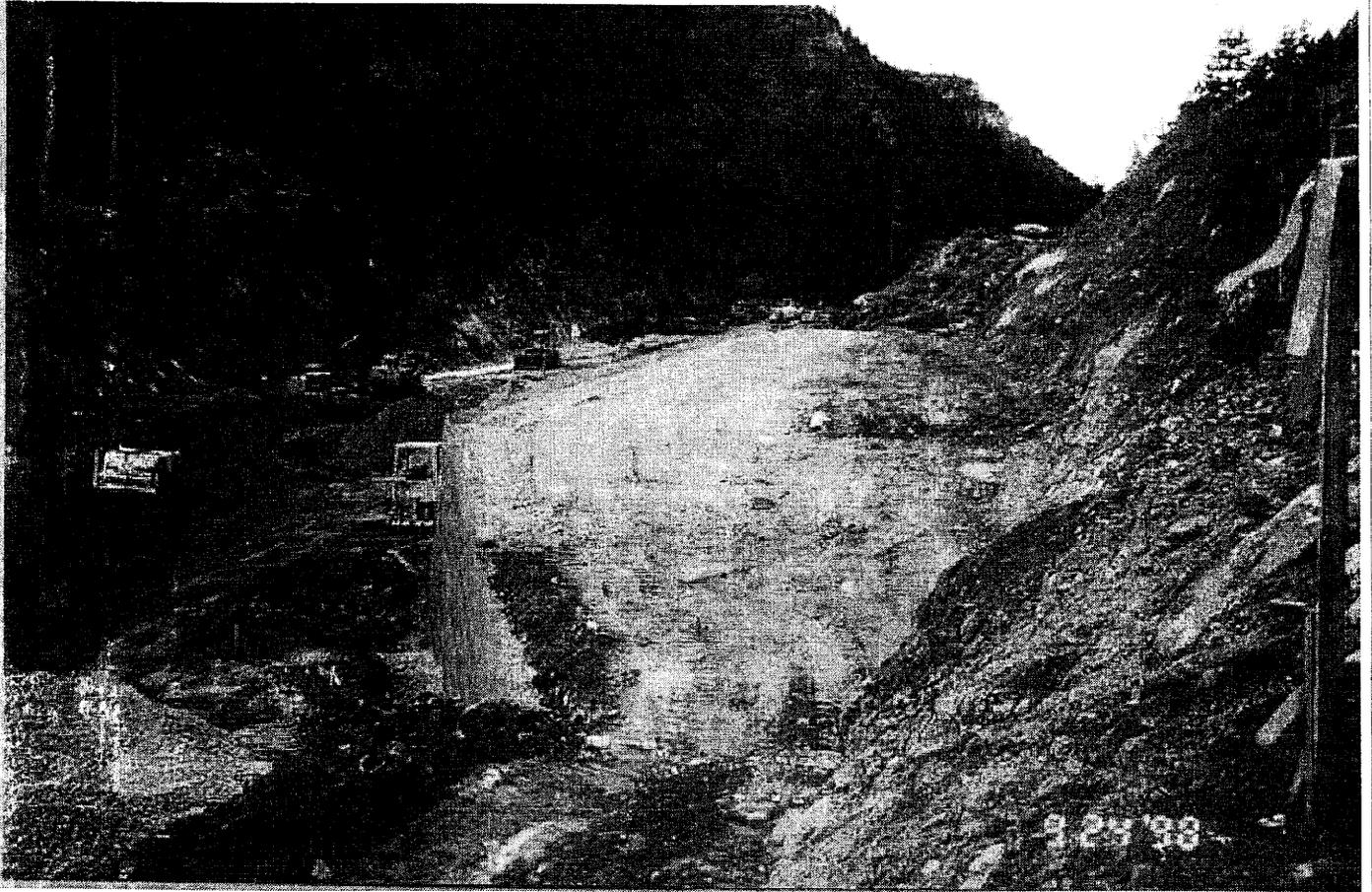


Reduce Expansion of Pre-Law Highwalls



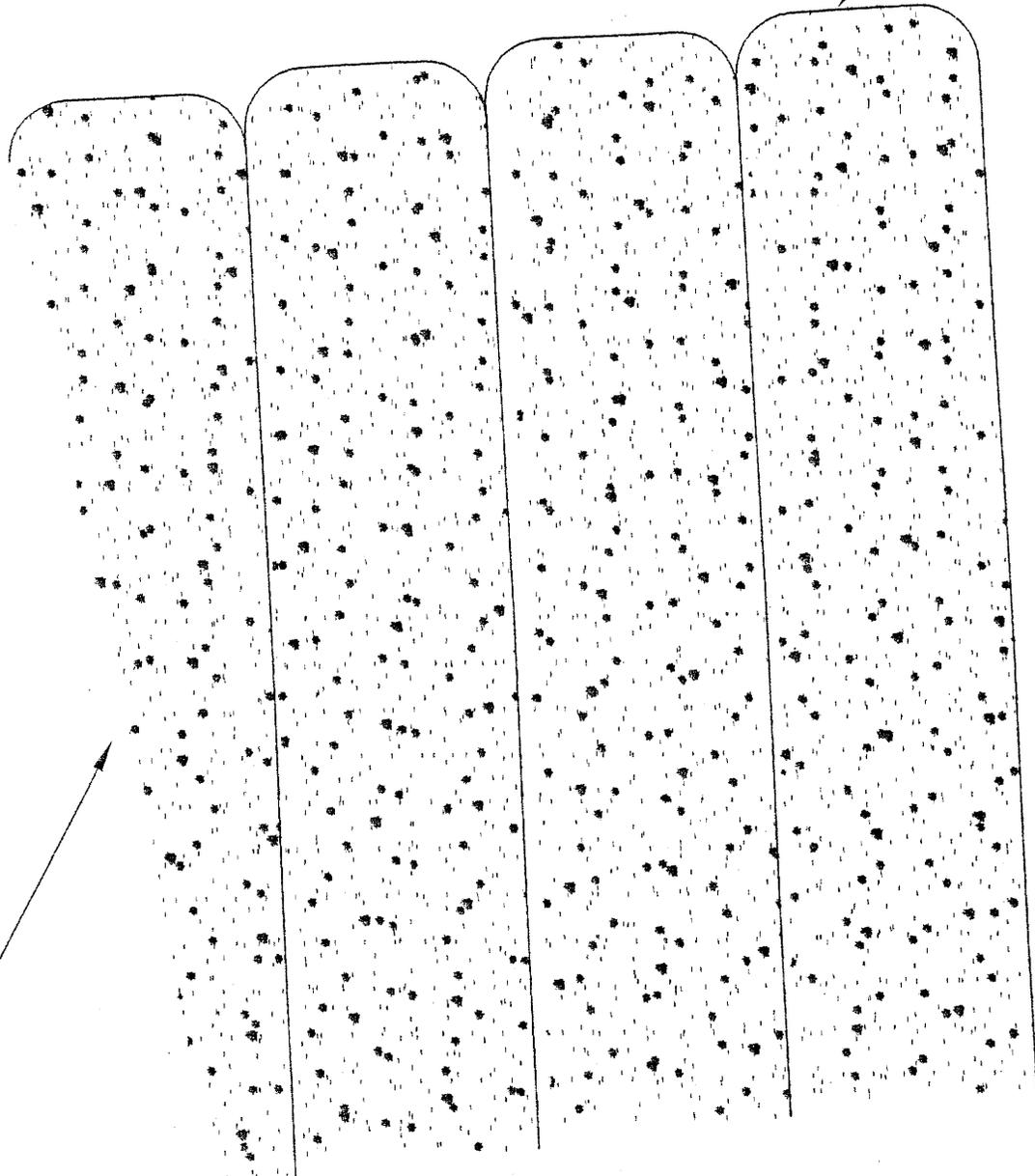
INNOVATIVE TECHNOLOGY USED TO MINIMIZE ENVIRONMENTAL DISTURBANCE

1. Maximize Available Space and Protect Stream from Contamination
2. Reduce Expansion of Existing Cutslopes and Reclaim Pre-Law Highwalls
3. Reduce Expansion of Pre-Law Highwalls
4. Eliminate Creating New Cutslopes and Protect Undisturbed Areas



Eliminate Creating New Cutslopes and Protect Undisturbed Areas

COMPACTED
FILL



WIRE
MESH

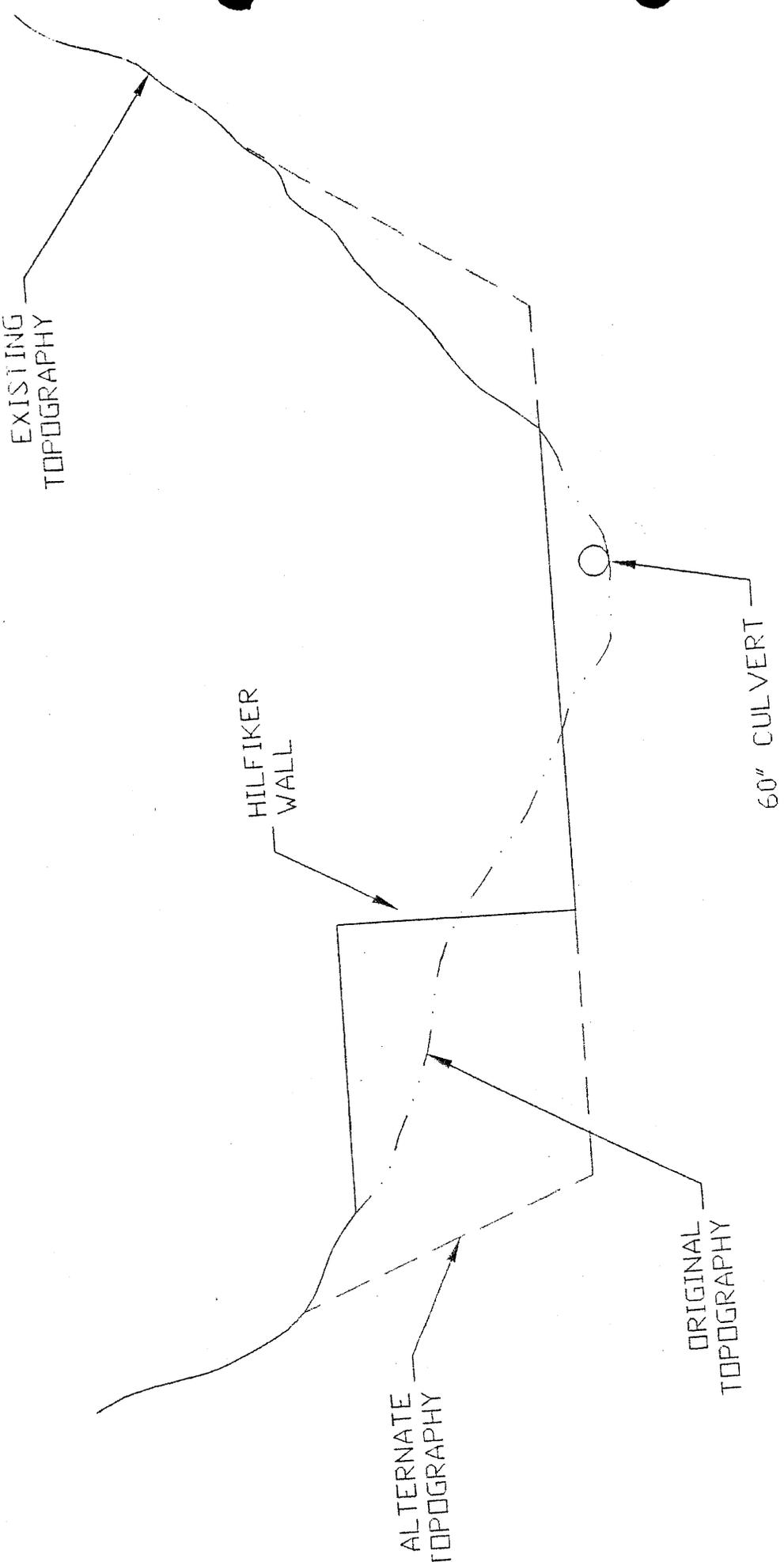
EXISTING
TOPOGRAPHY

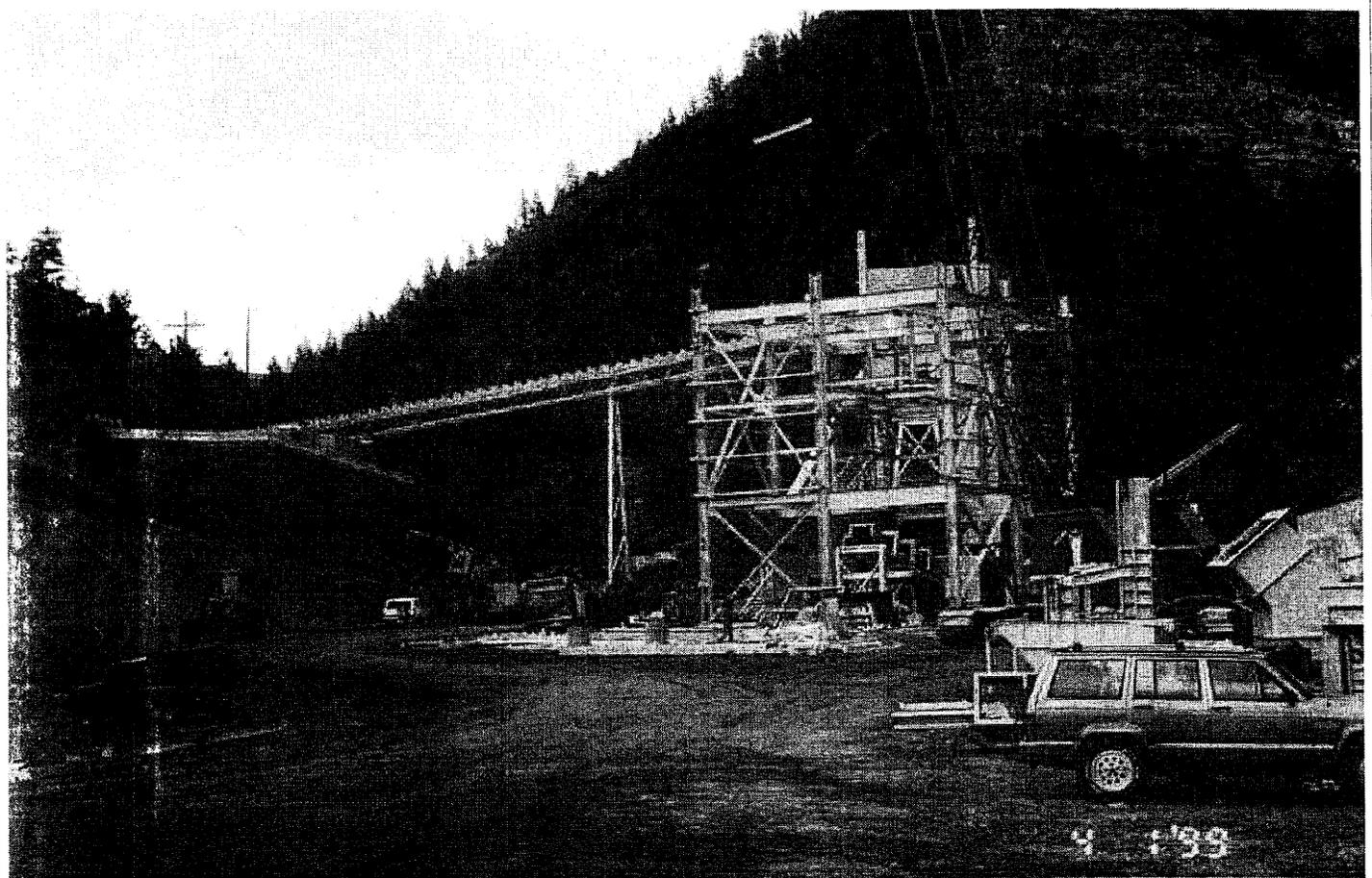
HILFIKER
WALL

60" CULVERT

ALTERNATE
TOPOGRAPHY

ORIGINAL
TOPOGRAPHY

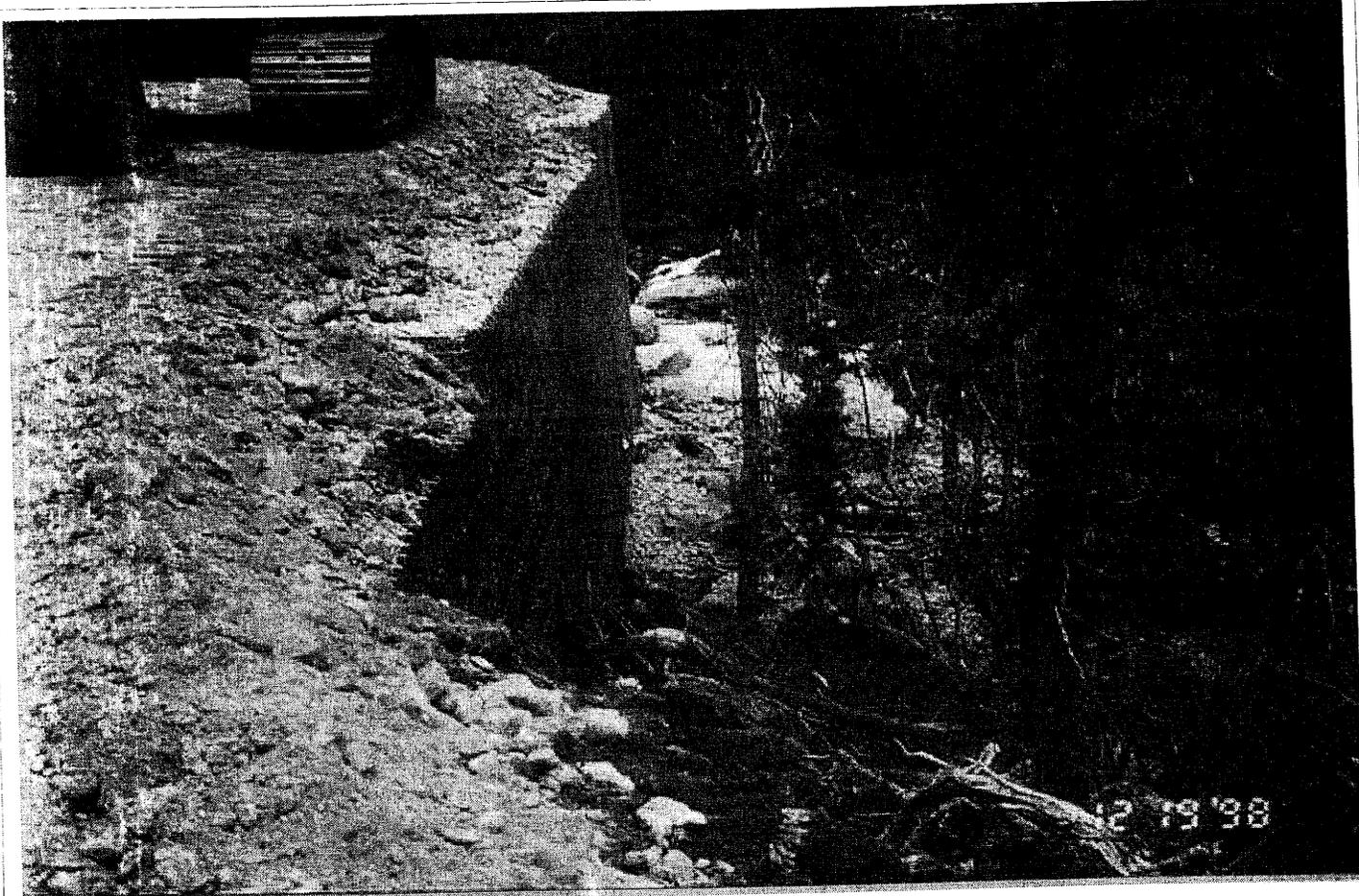




Eliminate Creating New Cutslopes and Protect Undisturbed Areas



Eliminate Creating New Cutslopes and Protect Undisturbed Areas



Eliminate Creating New Cutslopes and Protect Undisturbed Areas



