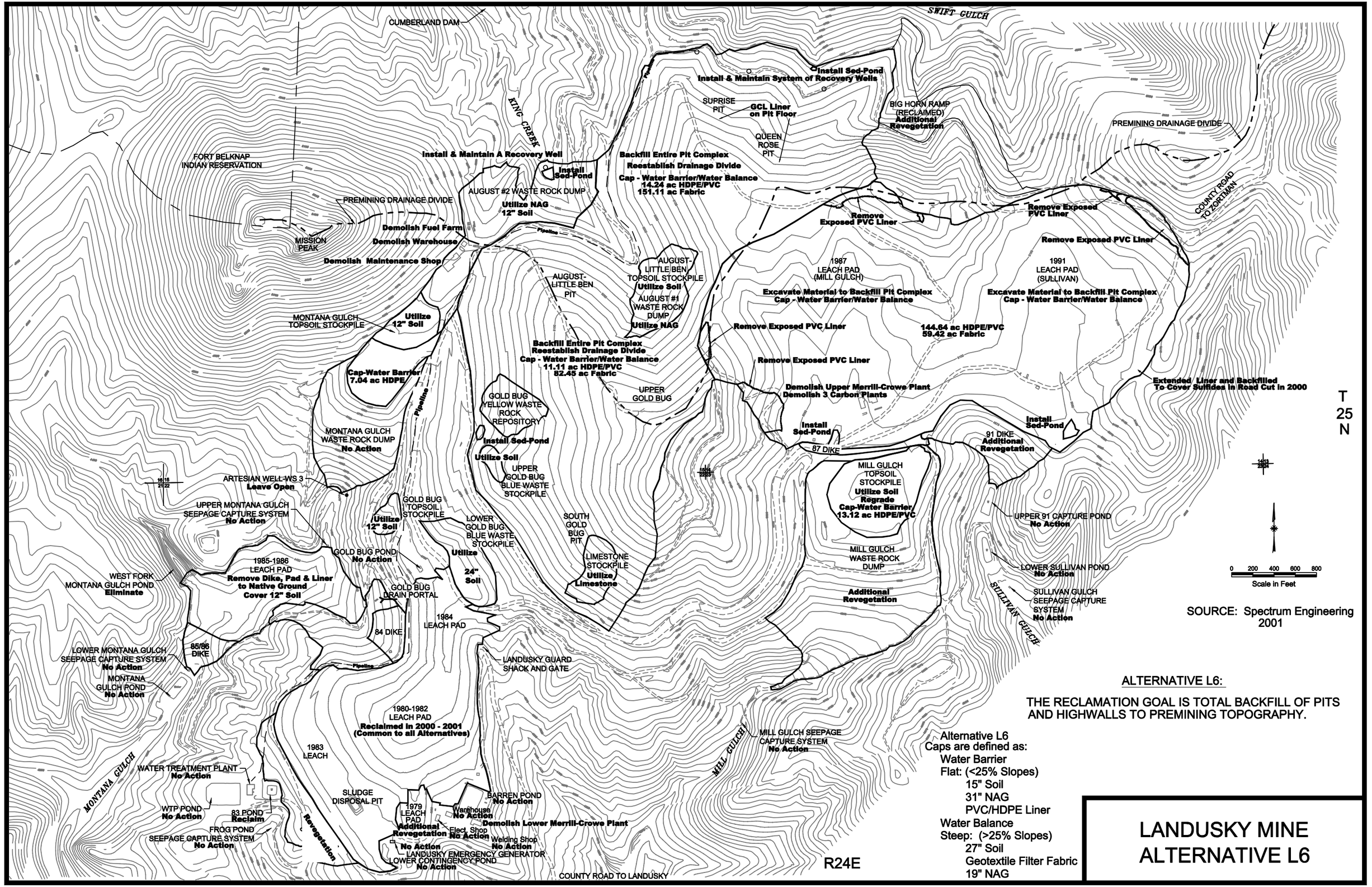
CUMBERLAND DAM
SWIFT GULCH
KING CREEK
FORT BELKNAP INDIAN RESERVATION
Install & Maintain A Recovery Well
Install Sed-Pond
Backfill Entire Pit Complex
Reestablish Drainage Divide
Cap - Water Barrier/Water Balance
14.24 ac HDPE/PVC
151.11 ac Fabric
Install Sed-Pond
Install & Maintain System of Recovery Wells
SUPRISE PIT
GCL Liner on Pit Floor
QUEEN ROSE PIT
BIG HORN RAMP (RECLAIMED)
Additional Revegetation
PREMINING DRAINAGE DIVIDE
COUNTY ROAD TO ZORTMAN
AUGUST #2 WASTE ROCK DUMP
Utilize NAG
12" Soil
PREMINING DRAINAGE DIVIDE
Demolish Fuel Farm
Demolish Warehouse
Demolish Maintenance Shop
MISSION PEAK
Pipeline
Remove Exposed PVC Liner
Remove Exposed PVC Liner
Remove Exposed PVC Liner
AUGUST-LITTLE BEN TOPSOIL STOCKPILE
Utilize Soil
AUGUST-LITTLE BEN PIT
AUGUST #1 WASTE ROCK DUMP
Utilize NAG
1987 LEACH PAD (MILL GULCH)
Excavate Material to Backfill Pit Complex
Cap - Water Barrier/Water Balance
1991 LEACH PAD (SULLIVAN)
Excavate Material to Backfill Pit Complex
Cap - Water Barrier/Water Balance
MONTANA GULCH TOPSOIL STOCKPILE
Utilize 12" Soil
Backfill Entire Pit Complex
Reestablish Drainage Divide
Cap - Water Barrier/Water Balance
11.11 ac HDPE/PVC
82.45 ac Fabric
144.64 ac HDPE/PVC
59.42 ac Fabric
Remove Exposed PVC Liner
Cap-Water Barrier
7.04 ac HDPE
Pipeline
GOLD BUG YELLOW WASTE ROCK REPOSITORY
UPPER GOLD BUG
Demolish Upper Merrill-Crowe Plant
Demolish 3 Carbon Plants
Extended Liner and Backfilled To Cover Sulfides In Road Cut In 2000
MONTANA GULCH WASTE ROCK DUMP
No Action
Install Sed-Pond
Utilize Soil
UPPER GOLD BUG BLUE WASTE STOCKPILE
Install Sed-Pond
87 DIKE
91 DIKE
Additional Revegetation
Install Sed-Pond
MILL GULCH TOPSOIL STOCKPILE
Utilize Soil
Regrade
Cap-Water Barrier
13.12 ac HDPE/PVC
ARTESIAN WELL-WS 3
Leave Open
UPPER MONTANA GULCH SEEPAGE CAPTURE SYSTEM
No Action
GOLD BUG TOPSOIL STOCKPILE
Utilize 12" Soil
LOWER GOLD BUG BLUE WASTE STOCKPILE
Utilize
24" Soil
SOUTH GOLD BUG PIT
LIMESTONE STOCKPILE
Utilize Limestone
GOLD BUG POND
No Action
1985-1986 LEACH PAD
Remove Dike, Pad & Liner to Native Ground
Cover 12" Soil
WEST FORK MONTANA GULCH POND
Eliminate
GOLD BUG DRAIN PORTAL
1984 LEACH PAD
84 DIKE
MILL GULCH WASTE ROCK DUMP
Additional Revegetation
UPPER 91 CAPTURE POND
No Action
LOWER SULLIVAN POND
No Action
SULLIVAN GULCH SEEPAGE CAPTURE SYSTEM
No Action
SULLIVAN GULCH
LOWER MONTANA GULCH SEEPAGE CAPTURE SYSTEM
No Action
85/86 DIKE
MONTANA GULCH POND
No Action
LANDUSKY GUARD SHACK AND GATE
1980-1982 LEACH PAD
Reclaimed in 2000 - 2001
(Common to all Alternatives)
1983 LEACH
MILL GULCH SEEPAGE CAPTURE SYSTEM
No Action
MILL GULCH
MONTANA GULCH
WATER TREATMENT PLANT
No Action
SLUDGE DISPOSAL PIT
1979 LEACH PAD
Additional Revegetation
BARREN POND
No Action
Warehouse
No Action
Elect. Shop
No Action
Welding Shop
No Action
Demolish Lower Merrill-Crowe Plant
WTP POND
No Action
83 POND
Reclaim
FROG POND
SEEPAGE CAPTURE SYSTEM
No Action
No Action
LANDUSKY EMERGENCY GENERATOR
LOWER CONTINGENCY POND
No Action
Revegetation
R24E
COUNTY ROAD TO LANDUSKY
T 25 N
0 200 400 600 800
Scale in Feet
SOURCE: Spectrum Engineering 2001
ALTERNATIVE L6:
THE RECLAMATION GOAL IS TOTAL BACKFILL OF PITS AND HIGHWALLS TO PREMINING TOPOGRAPHY.
Alternative L6
Caps are defined as:
Water Barrier
Flat: (<25% Slopes)
15" Soil
31" NAG
PVC/HDPE Liner
Water Balance
Steep: (>25% Slopes)
27" Soil
Geotextile Filter Fabric
19" NAG
LANDUSKY MINE
ALTERNATIVE L6

FIGURE 2.4-14