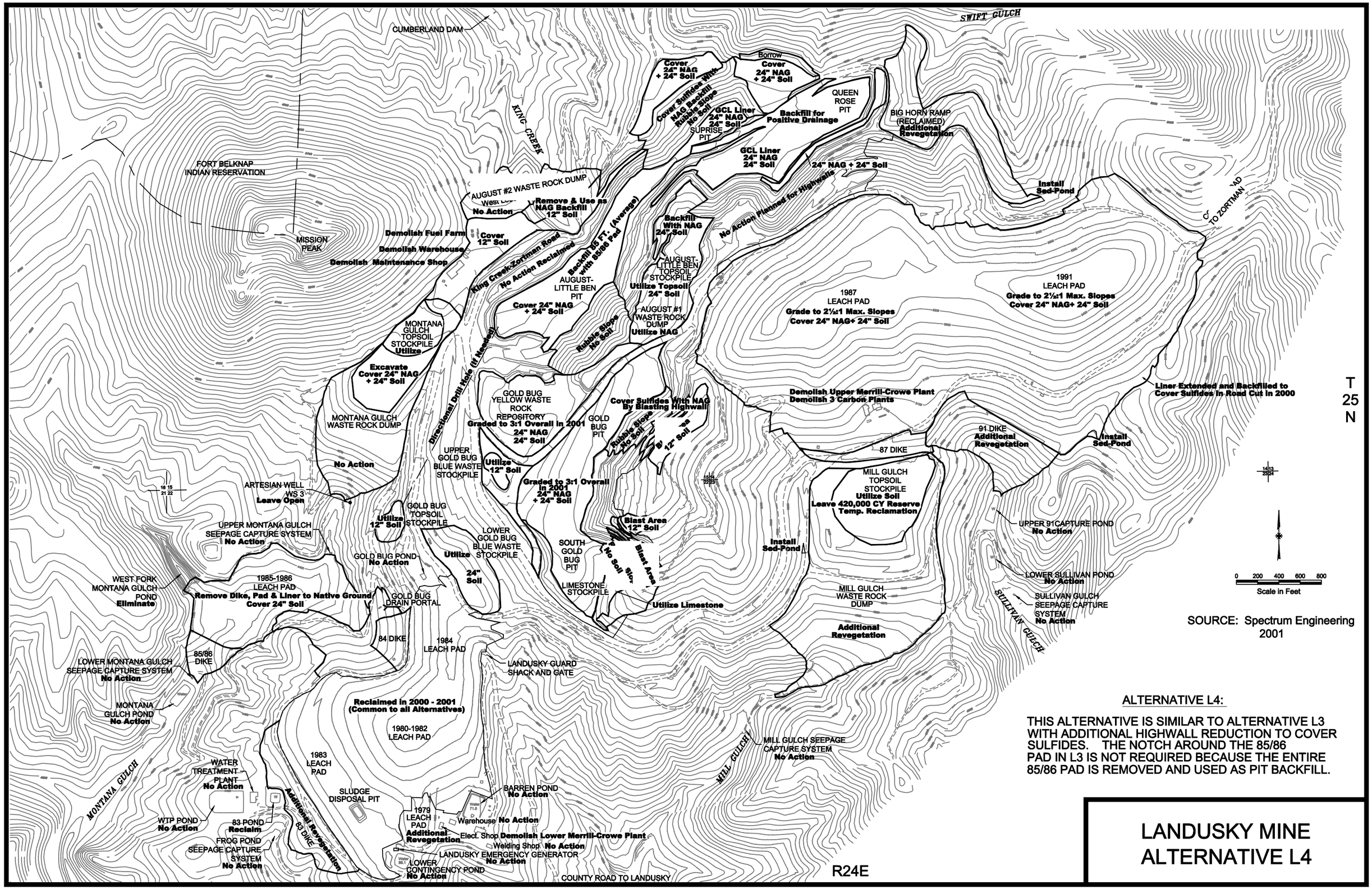
CUMBERLAND DAM
SWIFT GULCH
KING CREEK
FORT BELKNAP INDIAN RESERVATION
MISSION PEAK
Cover 24" NAG + 24" Soil
Borrow
Cover 24" NAG + 24" Soil
Cover Sulfides With NAG Backfill Rubble Slope No Soil
GCL Liner 24" NAG 24" Soil
Backfill for Positive Drainage
QUEEN ROSE PIT
SUPRISE PIT
BIG HORN RAMP (RECLAIMED)
Additional Revegetation
GCL Liner 24" NAG 24" Soil
24" NAG + 24" Soil
Install Sed-Pond
AUGUST #2 WASTE ROCK DUMP
West Lobe
No Action
Remove & Use as NAG Backfill 12" Soil
Demolish Fuel Farm
Demolish Warehouse
Demolish Maintenance Shop
Cover 12" Soil
King Creek-Zortman Road
No Action Reclaimed
Backfill 85 FT. (Average) with 85/86 Pad
Backfill With NAG 24" Soil
No Action Planned for Highwalls
AUGUST-LITTLE BEN PIT
Cover 24" NAG + 24" Soil
AUGUST-LITTLE BEN TOPSOIL STOCKPILE
Utilize Topsoil 24" Soil
AUGUST #1 WASTE ROCK DUMP
Utilize NAG
Rubble Slope No Soil
1987 LEACH PAD
Grade to 2½:1 Max. Slopes
Cover 24" NAG+ 24" Soil
1991 LEACH PAD
Grade to 2½:1 Max. Slopes
Cover 24" NAG+ 24" Soil
TO ZORTMAN
MONTANA GULCH TOPSOIL STOCKPILE
Utilize
Excavate Cover 24" NAG + 24" Soil
MONTANA GULCH WASTE ROCK DUMP
Directional Drill Hole (If Needed)
GOLD BUG YELLOW WASTE ROCK REPOSITORY
Graded to 3:1 Overall in 2001
24" NAG 24" Soil
Cover Sulfides With NAG By Blasting Highwall
GOLD BUG PIT
Rubble Slope No Soil
12" Soil
Demolish Upper Merrill-Crowe Plant
Demolish 3 Carbon Plants
Liner Extended and Backfilled to Cover Sulfides In Road Cut In 2000
T 25 N
91 DIKE
Additional Revegetation
Install Sed-Pond
87 DIKE
No Action
UPPER GOLD BUG BLUE WASTE STOCKPILE
Utilize 12" Soil
Graded to 3:1 Overall in 2001
24" NAG + 24" Soil
ARTESIAN WELL WS 3
Leave Open
GOLD BUG TOPSOIL STOCKPILE
Utilize 12" Soil
MILL GULCH TOPSOIL STOCKPILE
Utilize Soil
Leave 420,000 CY Reserve
Temp. Reclamation
UPPER MONTANA GULCH SEEPAGE CAPTURE SYSTEM
No Action
Blast Area 12" Soil
LOWER GOLD BUG BLUE WASTE STOCKPILE
Utilize 24" Soil
SOUTH GOLD BUG PIT
No Soil Slope
Blast Area
Install Sed-Pond
UPPER 91CAPTURE POND
No Action
GOLD BUG POND
No Action
LIMESTONE STOCKPILE
Utilize Limestone
MILL GULCH WASTE ROCK DUMP
Additional Revegetation
LOWER SULLIVAN POND
No Action
SULLIVAN GULCH SEEPAGE CAPTURE SYSTEM
No Action
SULLIVAN GULCH
WEST FORK MONTANA GULCH POND
Eliminate
1985-1986 LEACH PAD
Remove Dike, Pad & Liner to Native Ground
Cover 24" Soil
GOLD BUG DRAIN PORTAL
84 DIKE
1984 LEACH PAD
LANDUSKY GUARD SHACK AND GATE
LOWER MONTANA GULCH SEEPAGE CAPTURE SYSTEM
No Action
85/86 DIKE
MONTANA GULCH POND
No Action
Reclaimed in 2000 - 2001
(Common to all Alternatives)
1980-1982 LEACH PAD
MILL GULCH SEEPAGE CAPTURE SYSTEM
No Action
MILL GULCH
MONTANA GULCH
WATER TREATMENT PLANT
No Action
1983 LEACH PAD
SLUDGE DISPOSAL PIT
BARREN POND
No Action
Additional Revegetation
85 DIKE
WTP POND
No Action
83 POND
Reclaim
1979 LEACH PAD
Additional Revegetation
Warehouse No Action
Elect. Shop Demolish Lower Merrill-Crowe Plant
Welding Shop No Action
FROG POND SEEPAGE CAPTURE SYSTEM
No Action
LANDUSKY EMERGENCY GENERATOR
No Action
LOWER CONTINGENCY POND
No Action
COUNTY ROAD TO LANDUSKY
R24E
0 200 400 600 800
Scale in Feet
SOURCE: Spectrum Engineering 2001
ALTERNATIVE L4:
THIS ALTERNATIVE IS SIMILAR TO ALTERNATIVE L3 WITH ADDITIONAL HIGHWALL REDUCTION TO COVER SULFIDES. THE NOTCH AROUND THE 85/86 PAD IN L3 IS NOT REQUIRED BECAUSE THE ENTIRE 85/86 PAD IS REMOVED AND USED AS PIT BACKFILL.
LANDUSKY MINE
ALTERNATIVE L4

FIGURE 2.4-12