

RESTORATION TYPE 1 - EROSION CONTROL (2,000 SF)

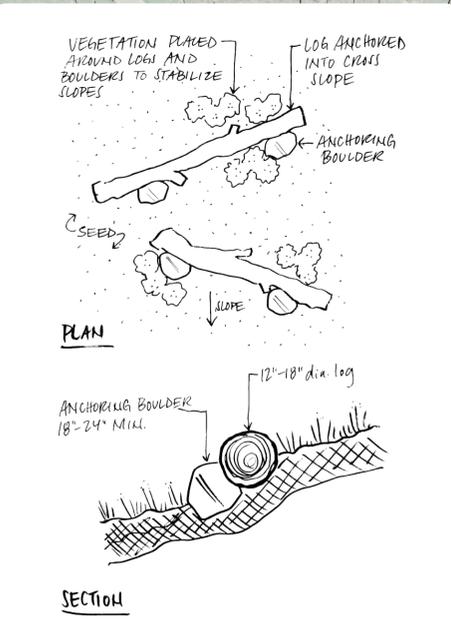
EXISTING CONDITIONS:

- STEEPEST SLOPES (25% - 37%) AND HIGHEST EROSION FROM VISITOR USE AND DRAINAGE
- 12"-18" DEEP GULLIES FORMED FROM EROSION
- ADJACENT VEGETATION IS DIVERSE GRASSLAND AND UPLAND FORBS+PERENNIALS

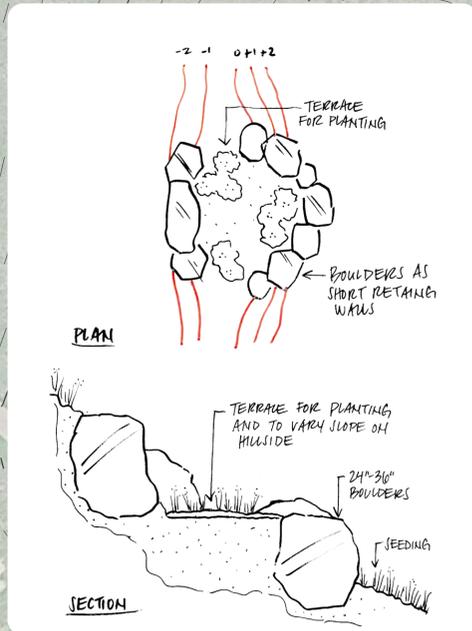
RESTORATION RECOMMENDATIONS:

- IMPORT OF SOIL TO FILL IN ERODED AREAS AND FEATHER GRADING ON EITHER SIDE OF DISTURBED AREA TO MATCH EXISTING ADJACENT GRADES
- TERRACE REGRADED AREA TO DECREASE EROSION AND ALLOW FOR SLOPES THAT VEGETATION CAN GROW ON
- ADD LOGS AND BOULDERS AS NATURAL GRADE CONTROL AND TO DETER OFF TRAIL EXPLORATION AND CUTTING
- RESEED ALL DISTURBED AREAS, AND INSTALL NATIVE GRASSES AND FORBS TO STABILIZE SOILS AND PREVENT VISITOR USE
- EROSION CONTROL BLANKET STAKED AT SEEDING AREAS TO STABILIZE SEED AND PREVENT WASH OUTS FROM STORM EVENTS

POSSIBLE EROSION CONTROL MEASURES



SURFACE NATURALIZATION



TERRACED NATIVE GRASS POCKET



SPLIT RAIL WOOD FENCE



WIRE FENCE

WIRE FENCE

NEW SPLIT RAIL WOOD FENCE TO
DETER TRAFFIC ON RESTORED AREA

EXISTING CULVERT
TO REMAIN

RESTORATION TYPE 2

RESTORATION TYPE 3

RESTORATION TYPE 2

RESTORATION TYPE 1

RESTORATION TYPE 2

WIRE FENCE ALONG TRAIL
TO PRESERVE VIEWS

TRAIL TO REMAIN

RESTORATION TYPE 2 - GRASSLAND (10,000 SF)

EXISTING CONDITIONS:

- STEEP SLOPES ALONG DISTURBED AREA (10%-22%)
- SOIL STRIPPED AT DISTURBED AREA DUE TO EROSION FROM STORMWATER
- ADJACENT VEGETATION IS DRY, UPLAND GRASSES AND FORBS

RESTORATION RECOMMENDATIONS:

- DECOMPACT SOIL WITHIN DISTURBED AREA PROFILE
- ADD TOPSOIL TO FILL IN ERODED SECTIONS OF DISTURBED AREA, AND FEATHER GRADES TO MATCH ADJACENT ELEVATION
- APPLY EROSION CONTROL HYDROSEED ON ENTIRE SEEDING AREA
- SEED MIX TO INCLUDE NATIVE UPLAND PRAIRIE GRASSES+FORBS

RESTORATION TYPE 3 - SATURATED GRASSLAND (4,600 SF)

EXISTING CONDITIONS:

- SHALLOW SLOPES ALONG DISTURBED AREA (6%-20%), WATER POOLING ON DISTURBED AREA
- VEGETATION ADJACENT TO DISTURBED AREA MORE RIPARIAN

RESTORATION RECOMMENDATIONS:

- DECOMPACT SOIL WITHIN DISTURBED AREA PROFILE
- MIX IN SOIL AMENDMENTS, AND FEATHER GRADES TO MATCH ADJACENT ELEVATION
- SEED MIX TO INCLUDE NATIVE UPLAND AND RIPARIAN SPECIES ADAPTABLE TO DRY AND SATURATED CONDITIONS



**CONCEPT PLAN OPTION 1
RIDGEVIEW OPEN SPACE HILLSIDE RESTORATION**

BROOMFIELD, COLORADO

SEPTEMBER 2024



DHM DESIGN