U.S. DEPARTMENT OF ENERGY
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT

PRESENTATION TO THE NUCLEAR WASTE TECHNICAL REVIEW BOARD

SUBJECT: ESF PHASED CONSTRUCTION APPROACH

PRESENTER: EDGAR PETRIE

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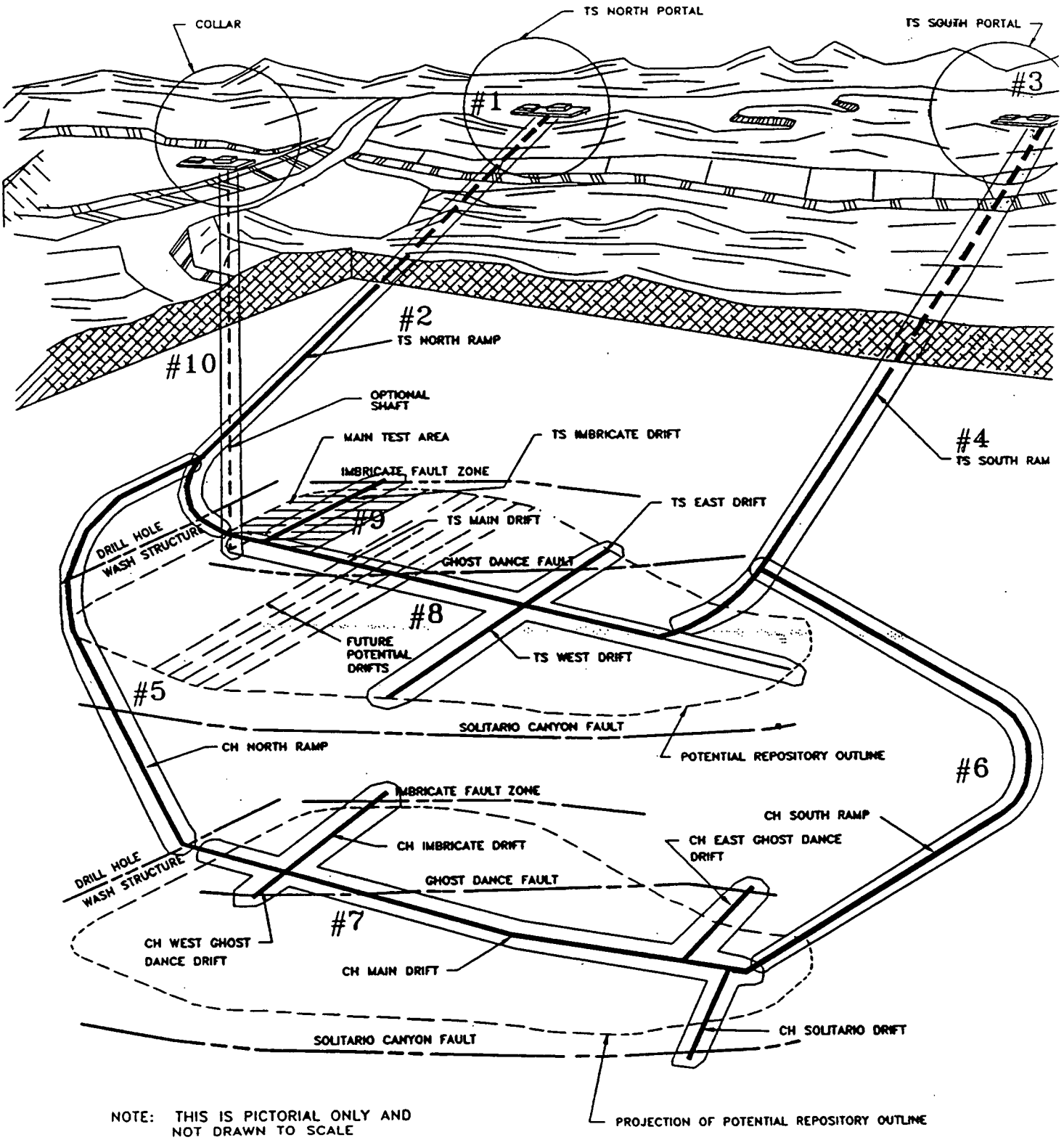
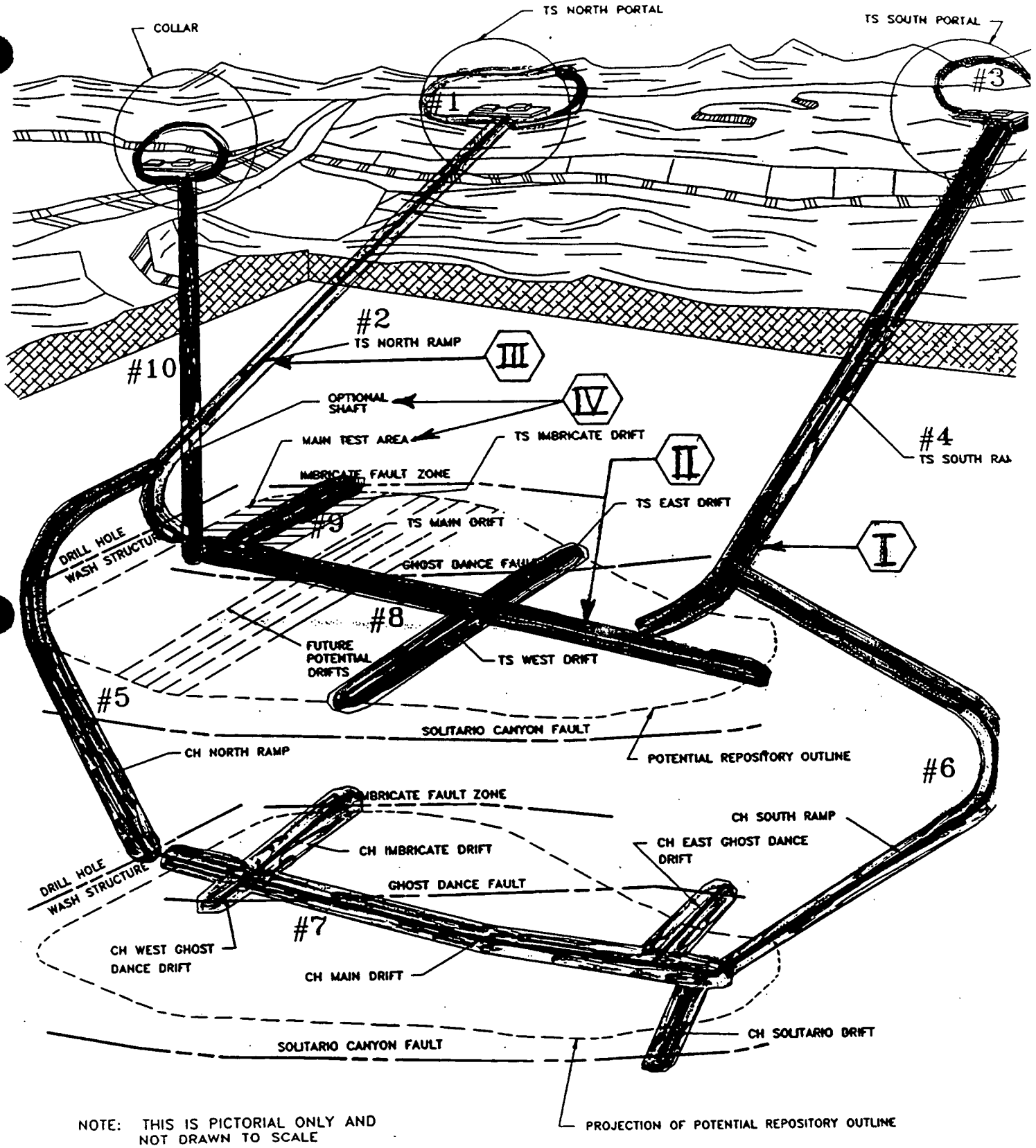


NOTE: THIS IS PICTORIAL ONLY AND NOT DRAWN TO SCALE

ESF TITLE II DESIGN PHASES



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ESF TITLE II PROPOSED CONSTRUCTION PHASES

RATIONALE FOR A PHASED ESF CONSTRUCTION APPROACH

PERFORMANCE IMPACT

- ESTABLISHES HOLD POINTS FOR EVALUATION AND CONTROL OF ESF DEVELOPMENT. KEY QUESTIONS CAN BE ADDRESSED SUCH AS:
  - IS THERE A NEED FOR ADDITIONAL SCIENTIFIC INFORMATION?
  - IS THE APPROACH TO THE PERFORMANCE OF FUTURE PHASES STILL OK?

SITE SUITABILITY IMPACT

- ALLOWS CONSTRUCTION PROGRESS TO BE BASED ON SITE SUITABILITY DECISIONS

COST IMPACT

- ALLOWS FLEXIBILITY
  - MAXIMIZES USE OF LIMITED RESOURCES

SCHEDULE IMPACT

- A "DESIGN-BUILD METHODOLOGY" ALLOWS CONSTRUCTION TO BEGIN BEFORE TOTAL DESIGN IS COMPLETED