

New Elk 27-06
 Nad 83
 SE/NW 27-33S-68W
 Lat. 37.144230
 Long. 104.984509

B.M.P.'s

- EC 1* Seeding
- EC 8* Berm / Diversion
- SC 9* Brush Barrier
- Gravel
- Rip Rap

* Please refer to Field Wide SWMP for description

PROPOSED BOUNDARY OF DISTURBANCE - - - - -

CONSTRUCTION SITE BOUNDARY - - - - -

CUVERT ○

*** Please refer to the field wide SWMP for details.**

Limiting the area of vegetation disturbance. Undisturbed natural vegetation shall be preserved outside of the boundary of disturbance, reducing sediment and erosion problems.

During the clearing operation a Brush Barrier, SC 9* shall be placed down gradient of the disturbance, intercepting and retaining sediment from disturbed areas. A dirt berm, EC 8* shall be placed around the production pit, preventing run off from entering the pit.

Construct a dirt berm, EC 8* on well pad out slope to direct run off to a desired location. Rip rap, S 6* may be used where run off exits the location to slow velocity and prevent scouring. Topsoil will be stockpiled on the outer limits of the site surrounded with a dirt berm, EC 8*, controlling sediment transport. Broadcast seeding, EC 1* will be completed during reclamation season.

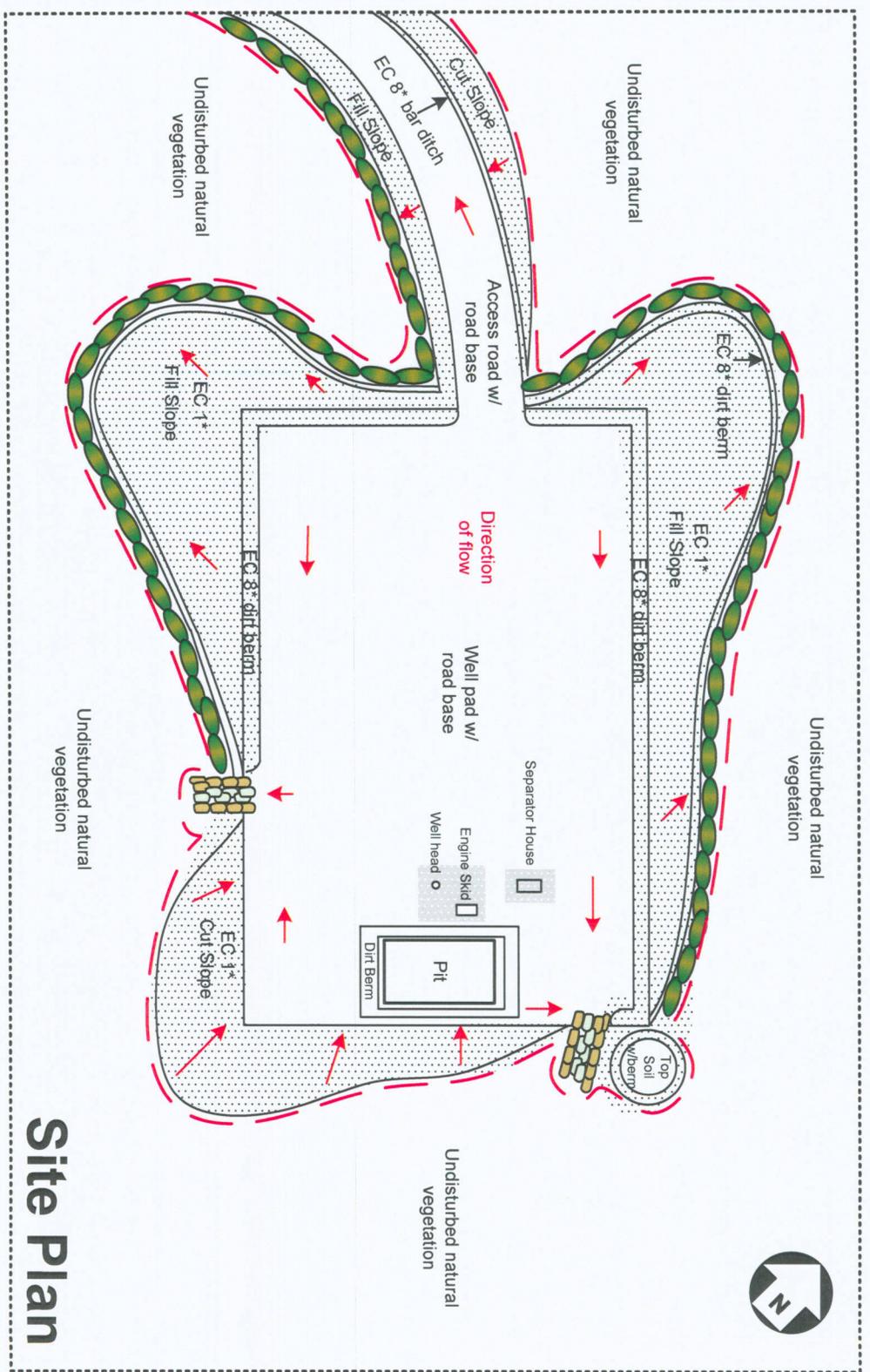
The brush barrier shall be replaced with a dirt berm, EC 8* during final grade of the well pad and access road.

Depending on soil content, disturbed areas may be left in a roughened condition, EC 12* grading techniques, to facilitate plant establishment and minimize soil erosion.

The cut/fill slopes of the well pad shall be drill or broadcast seeded, EC 1* the technique will depend on soil content and slope, used to control erosion.

Once the pipeline has been installed along the access road a bar ditch will be established adjacent to the access road using culverts with inlet/outlet protection. Rip-rap shall be placed inside bell holes for stabilization. Rip-rap shall be used on culvert outlets to dissipate energy, trap sediment and prevent scouring.

Access road/well pad shall be stabilized with road base/gravel upon completion of surface equipment/pipeline installation, used to reduce erosion and control off site tracking.



Site Plan