

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 - - - - -

CU VERT

* 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.

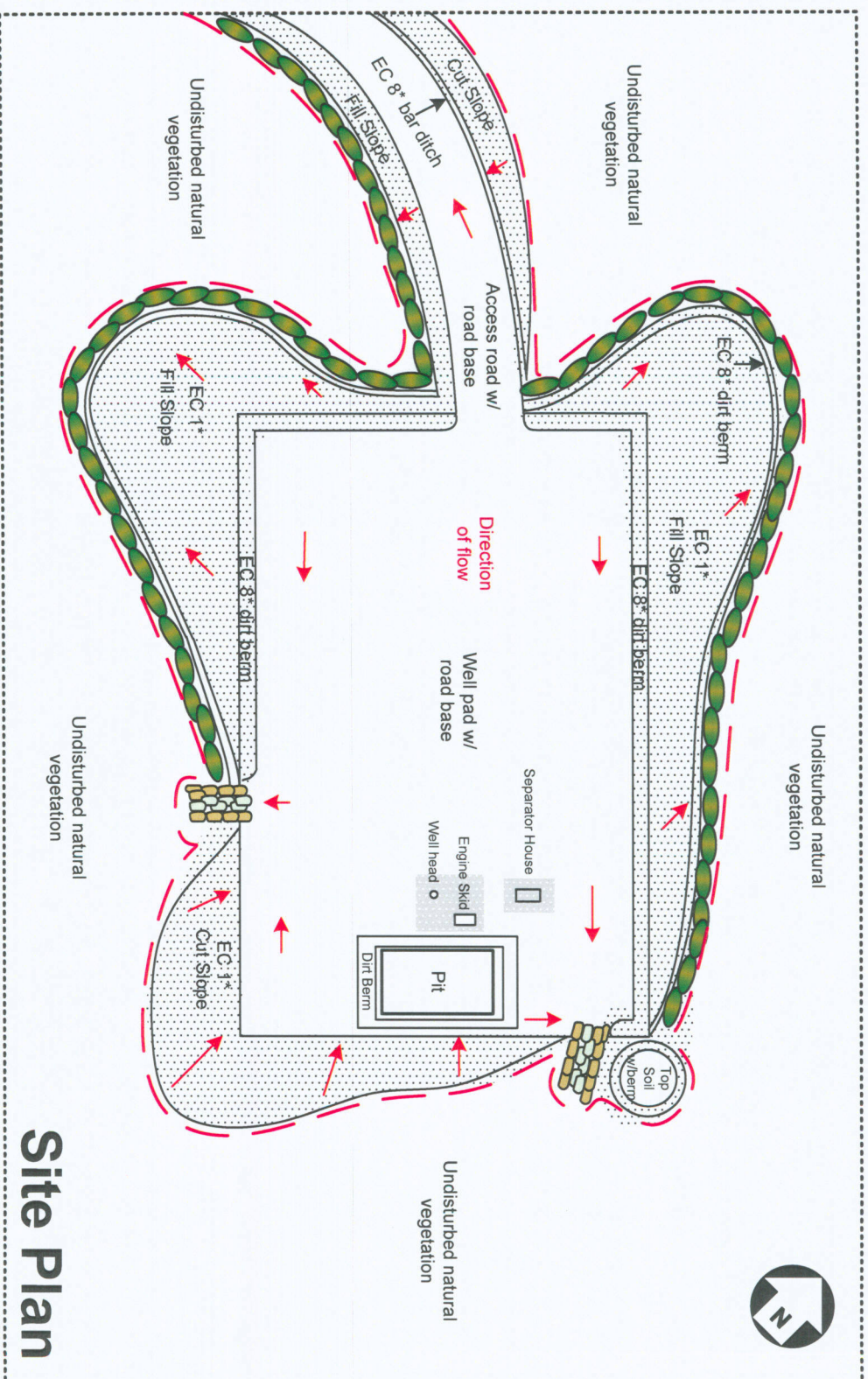
The brush barrier shall be replaced with a dirt berm, EC 8* during final grade of the well pad and access road.

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