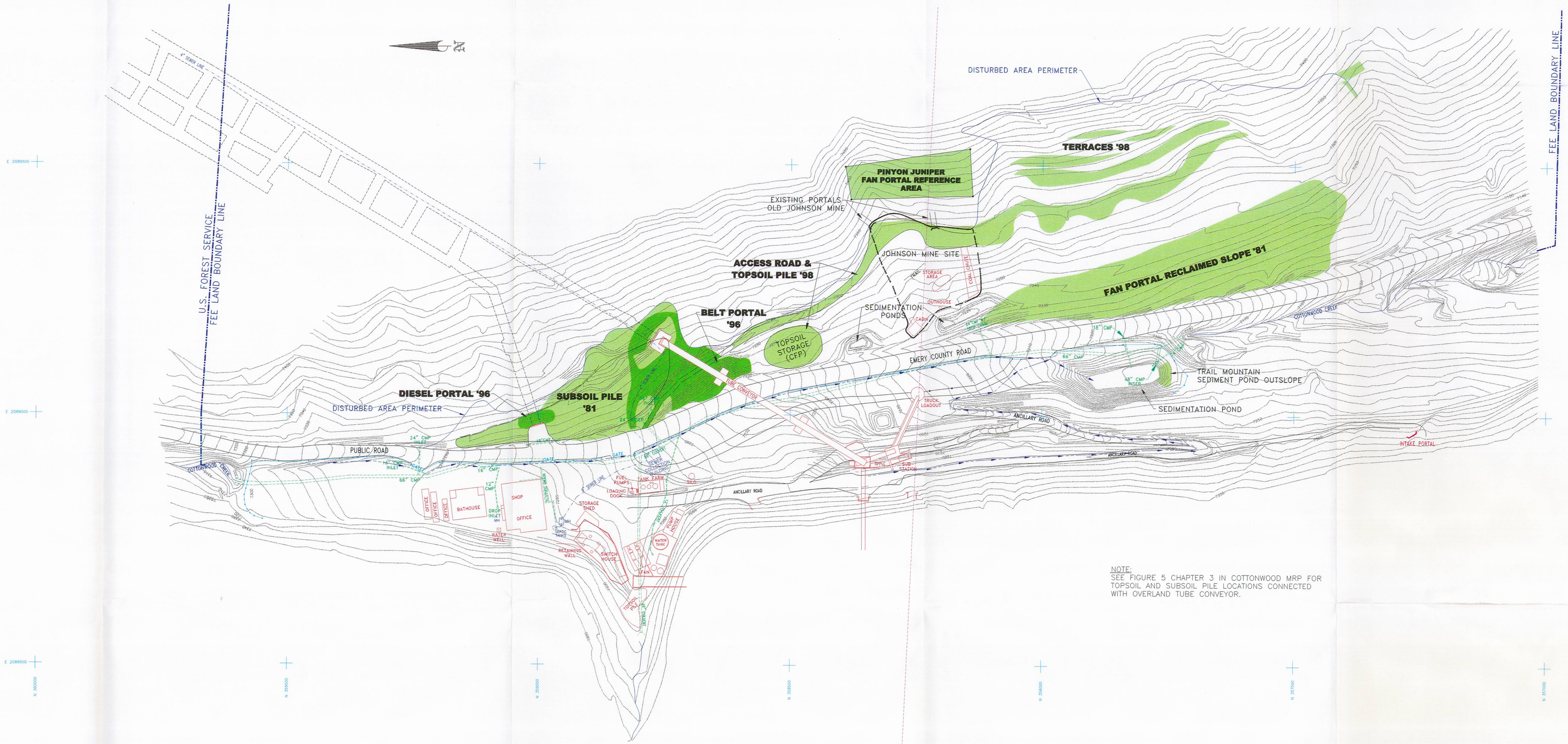


NOTE:
SEE FIGURE 5 CHAPTER 3 IN COTTONWOOD MRP FOR TOPSOIL AND SUBSOIL PILE LOCATIONS CONNECTED WITH OVERLAND TUBE CONVEYOR.

| Site Name: DIESEL PORTAL '96 | | Qualitative | | | Quantitative | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Exposure: SW | | | | | Cover | | | | % Composition | | | | | |
| Year | Date | Slope | Animal Use | Erosion | Total Living | Litter | Bareground | Rock | Shrubs | Forbs | Grasses | Density | Productivity |
| 1999 | SEPT. 20-24 | 43° | S | S | 38.33 | 10.00 | 9.17 | 42.50 | 0.00 | 14.04 | 85.96 | – | – |

| Site Name: BELT PORTAL '96 | | Qualitative | | | Quantitative | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Exposure: SSW | | | | | Cover | | | | % Composition | | | | | |
| Year | Date | Slope | Animal Use | Erosion | Total Living | Litter | Bareground | Rock | Shrubs | Forbs | Grasses | Density | Productivity |
| 1999 | SEPT. 20-24 | V | S | S | 33.50 | 11.00 | 6.00 | 49.50 | 10.00 | 5.00 | 85.00 | – | – |

| Site Name: SUBSOIL PILE '81 | | Qualitative | | | Quantitative | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Exposure: V | | | | | Cover | | | | % Composition | | | | | |
| Year | Date | Slope | Animal Use | Erosion | Total Living | Litter | Bareground | Rock | Shrubs | Forbs | Grasses | Density | Productivity |
| 1999 | SEPT. 20-24 | 35° | N | S | 31.00 | 8.05 | 39.50 | 21.45 | 12.08 | 39.94 | 47.98 | – | – |

| Site Name: FAN PORTAL RECLAIMED SLOPE | | Qualitative | | | Quantitative | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Exposure: W | | | | | Cover | | | | % Composition | | | | | |
| Year | Date | Slope | Animal Use | Erosion | Total Living | Litter | Bareground | Rock | Shrubs | Forbs | Grasses | Density | Productivity |
| 1999 | SEPT. 20-24 | 35° | S-M | S | 46.50 | 8.50 | 7.25 | 37.75 | 36.12 | 14.30 | 49.58 | – | – |

| Site Name: TUBE CONVEYOR -96 | | Qualitative | | | Quantitative | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Exposure: W,N,S | | | | | Cover | | | | % Composition | | | | | |
| Year | Date | Slope | Animal Use | Erosion | Total Living | Litter | Bareground | Rock | Shrubs | Forbs | Grasses | Density | Productivity |
| 1999 | SEPT. 20-24 | 28° | N | N | 47.50 | 6.50 | 28.00 | 18.00 | 0.00 | 66.15 | 33.85 | – | – |

| Site Name: FAN PORTAL REFERENCE AREA | | Qualitative | | | Quantitative | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Exposure: W | | | | | Cover | | | | % Composition | | | | | |
| Year | Date | Slope | Animal Use | Erosion | Total Living | Litter | Bareground | Rock | Shrubs | Forbs | Grasses | Density | Productivity |
| 1999 | SEPT. 20-24 | 33° | S-M | S | 30.50 | 16.75 | 10.00 | 42.75 | 24.08 | 4.50 | 71.42 | – | – |

LICENSED PROFESSIONAL ENGINEER
JOHN CHRISTENSEN
No. 165651
STATE OF UTAH

JOHN CHRISTENSEN NO. 165651 DATE

I JOHN CHRISTENSEN BEING A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED ON THIS DRAWING IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CAD FILE NAME/DISK#: USERS\KJL\VEGMAPS\KS1689D.DWG

| DATE | REVISIONS | BY | CHK |
|---|---|---|---|
| 3-23-00 | ADDED QUALITATIVE AND QUANTITATIVE DATA | KJL | |
| 4-2-97 | ADDED PINYON JUNIPER REFERENCE AREA AND REVISED TO REFLECT EXISTING CONDITIONS | KJL | |
| 4-24-95 | ADDED JOHNSON MINE SITE | KJL | |

ENERGY WEST
MINING COMPANY
HUNTINGTON, UTAH 84528

COTTONWOOD MINE
COTTONWOOD FAN PORTAL
1998 VECETATION MONITORING

DRAWN BY: K. LARSEN
SCALE: 1"=100'
DATE: JANUARY 22, 1999
DRAWING #: KS1689D
SHEET 1 OF 1
REV.