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# Issued for Permit Plans

for

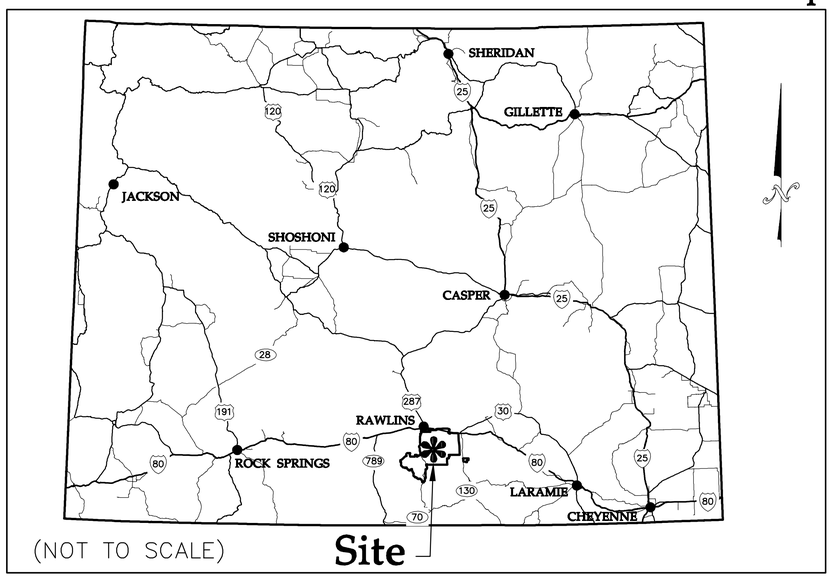
## Phase I Wind Development Area
## Wind Turbine Sites and Related Infrastructure

for

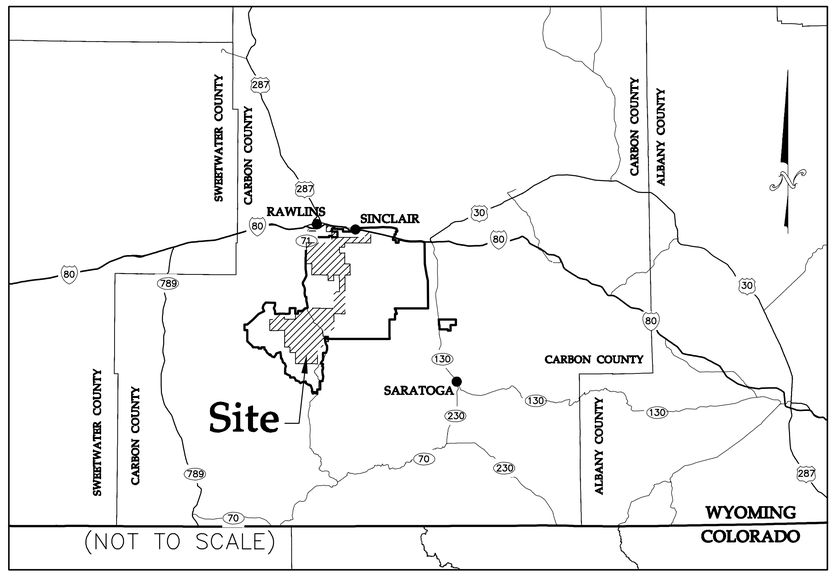
## Chokecherry and Sierra Madre Wind Energy Project

**Carbon County, Wyoming**

**State Map**




**Vicinity Map**

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Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

**Chokecherry and Sierra Madre Wind Energy Project**

**Carbon County, Wyoming**

**Cover**

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 1 OF 254

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| 0 | 1/5/2015 | ALL | ISSUED FOR PERMIT |
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Prepared for:

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

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Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
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Prepared for:

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Sheet Index

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

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Sheet: 3 OF 254

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## Lower Miller Hill Region

Turbine Index - Phase I Wind Development Areas

| Turbine Number | Northing | Easting | Existing Elevation | Proposed Elevation |
|---|---|---|---|---|
| LMH-A-01 | 1321381 | 688521 | 7442.84 | 7443.5 |
| LMH-A-02 | 1321513 | 687657 | 7514.16 | 7511.7 |
| LMH-A-03 | 1321923 | 686870 | 7502.70 | 7501.9 |
| LMH-A-04 | 1322333 | 685799 | 7528.38 | 7526.5 |
| LMH-A-05 | 1324618 | 685353 | 7409.21 | 7409.5 |
| LMH-A-06 | 1325018 | 684468 | 7461.43 | 7462.5 |
| LMH-A-07 | 1326112 | 683544 | 7528.96 | 7525.5 |
| LMH-A-08 | 1327012 | 682769 | 7431.82 | 7426.5 |
| LMH-A-09 | 1328553 | 682563 | 7378.98 | 7379.2 |
| LMH-A-10 | 1329216 | 681985 | 7396.94 | 7398.5 |
| LMH-A-11 | 1329612 | 681190 | 7385.31 | 7387.5 |
| LMH-A-12 | 1330171 | 680361 | 7439.84 | 7440.5 |
| LMH-A-13 | 1330996 | 679866 | 7459.60 | 7460.6 |
| LMH-A-14 | 1331599 | 679376 | 7478.55 | 7479.5 |
| LMH-A-15 | 1332546 | 679171 | 7484.65 | 7484.5 |
| LMH-A-16 | 1333246 | 678788 | 7514.53 | 7512.5 |
| LMH-A-17 | 1334228 | 678362 | 7547.31 | 7546.5 |
| LMH-A-18 | 1335311 | 678210 | 7535.25 | 7537.0 |
| LMH-A-19 | 1335972 | 677743 | 7576.15 | 7577.3 |
| LMH-A-20 | 1336888 | 677348 | 7610.43 | 1.5 |
| LMH-A-21 | 1337825 | 676728 | 7550.68 | 1.5 |
| LMH-B-01 | 1322977 | 691082 | 7355.17 | 7356.5 |
| LMH-B-02 | 1323459 | 690125 | 7336.22 | 7337.9 |
| LMH-B-03 | 1324235 | 689356 | 7345.38 | 7346.5 |
| LMH-B-04 | 1324847 | 688314 | 7383.85 | 7384.5 |
| LMH-B-05 | 1331547 | 682999 | 7335.04 | 7336.0 |
| LMH-B-06 | 1332762 | 682309 | 7305.58 | 7307.0 |
| LMH-B-07 | 1334156 | 682274 | 7322.53 | 7322.5 |
| LMH-B-08 | 1334979 | 681762 | 7326.77 | 1.5 |
| LMH-B-09 | 1335970 | 681446 | 7359.75 | 7358.8 |
| LMH-B-10 | 1336558 | 680871 | 7371.15 | 7369.7 |
| LMH-B-11 | 1337399 | 680382 | 7396.71 | 1.5 |
| LMH-B-12 | 1337722 | 679409 | 7435.85 | 1.5 |
| LMH-C-01 | 1323229 | 694340 | 7426.28 | 7421.5 |
| LMH-C-02 | 1324182 | 693698 | 7358.38 | 7358.1 |
| LMH-C-03 | 1324873 | 693167 | 7372.94 | 7372.0 |
| LMH-C-04 | 1325522 | 692696 | 7321.27 | 7319.5 |
| LMH-C-05 | 1326122 | 691581 | 7274.05 | 7274.0 |
| LMH-C-06 | 1326471 | 690869 | 7278.21 | 7280.5 |
| LMH-C-07 | 1326977 | 690296 | 7336.07 | 7336.5 |
| LMH-C-08 | 1331446 | 685578 | 7270.11 | 1.5 |
| LMH-C-09 | 1332191 | 685155 | 7248.53 | 1.5 |
| LMH-C-10 | 1333111 | 684976 | 7284.76 | 1.5 |
| LMH-C-11 | 1334378 | 684781 | 7383.92 | 7383.5 |
| LMH-C-12 | 1335783 | 684771 | 7336.63 | 7335.7 |
| LMH-C-13 | 1337044 | 684698 | 7281.49 | 7283.1 |
| LMH-C-14 | 1338000 | 684407 | 7266.17 | 7261.7 |
| LMH-D-01 | 1323544 | 698882 | 7380.71 | 7376.5 |
| LMH-D-02 | 1323643 | 697868 | 7406.93 | 7407.4 |
| LMH-D-03 | 1324390 | 697454 | 7427.28 | 7424.5 |
| LMH-D-04 | 1324834 | 696646 | 7344.21 | 7341.5 |
| LMH-D-05 | 1325521 | 696193 | 7312.66 | 7314.0 |
| LMH-D-06 | 1327566 | 696156 | 7374.36 | 7367.5 |
| LMH-D-07 | 1327882 | 695298 | 7333.95 | 7329.5 |
| LMH-D-08 | 1329263 | 695092 | 7361.76 | 7359.5 |
| LMH-D-09 | 1329729 | 694487 | 7376.58 | 7373.5 |
| LMH-D-10 | 1330882 | 694357 | 7357.73 | 7356.5 |
| LMH-D-11 | 1332213 | 694509 | 7322.31 | 7320.0 |
| LMH-D-12 | 1334099 | 694854 | 7278.87 | 7276.3 |
| LMH-D-13 | 1335153 | 694752 | 7258.49 | 7252.5 |
| LMH-D-14 | 1336439 | 694859 | 7228.78 | 7225.0 |
| LMH-D-15 | 1337600 | 694830 | 7216.88 | 7215.0 |
| LMH-D-16 | 1338811 | 694848 | 7198.43 | 7196.5 |
| LMH-D-17 | 1339980 | 694739 | 7174.34 | 7172.6 |
| LMH-D-18 | 1341215 | 694553 | 7159.55 | 7161.5 |
| LMH-D-19 | 1342670 | 694563 | 7142.67 | 7144.4 |
| LMH-D-20 | 1343898 | 694272 | 7140.70 | 7139.1 |
| LMH-E-01 | 1319453 | 708935 | 7673.01 | 7667.0 |
| LMH-E-02 | 1322221 | 707431 | 7613.27 | 7612.2 |
| LMH-E-03 | 1330667 | 697521 | 7232.58 | 7233.8 |
| LMH-E-04 | 1332225 | 697239 | 7243.62 | 7236.6 |

Turbine Index - Phase I Wind Development Areas

| Turbine Number | Northing | Easting | Existing Elevation | Proposed Elevation |
|---|---|---|---|---|
| LMH-E-05 | 1333588 | 697378 | 7226.02 | 7225.8 |
| LMH-E-06 | 1335184 | 697711 | 7202.18 | 7198.2 |
| LMH-E-07 | 1336758 | 697666 | 7200.72 | 7202.2 |
| LMH-F-01 | 1322970 | 710144 | 7414.53 | 7415.6 |
| LMH-F-02 | 1323098 | 709273 | 7411.90 | 7408.8 |
| LMH-F-03 | 1323913 | 708886 | 7350.80 | 7350.0 |
| LMH-F-04 | 1324578 | 708403 | 7328.00 | 7329.4 |
| LMH-F-05 | 1325024 | 707699 | 7323.61 | 7324.7 |
| LMH-F-06 | 1325581 | 707107 | 7317.30 | 7315.0 |
| LMH-F-07 | 1326497 | 706665 | 7309.18 | 7310.6 |
| LMH-F-08 | 1326904 | 706016 | 7346.93 | 7348.3 |
| LMH-F-09 | 1327435 | 705458 | 7368.36 | 7364.7 |
| LMH-F-10 | 1327986 | 704947 | 7372.21 | 7371.8 |
| LMH-F-11 | 1328460 | 704364 | 7403.95 | 7404.5 |
| LMH-F-12 | 1329003 | 703840 | 7406.00 | 7405.5 |
| LMH-F-13 | 1329348 | 703174 | 7431.37 | 7431.5 |
| LMH-F-14 | 1329597 | 702401 | 7371.09 | 7371.0 |
| LMH-F-15 | 1329693 | 701445 | 7332.56 | 7332.4 |
| LMH-F-16 | 1330214 | 700610 | 7313.39 | 7312.4 |
| LMH-F-17 | 1331110 | 700233 | 7242.37 | 7242.5 |
| LMH-F-18 | 1332418 | 700161 | 7227.93 | 7224.5 |
| LMH-G-01 | 1323980 | 712257 | 7276.17 | 7278.1 |
| LMH-G-02 | 1324578 | 711818 | 7279.95 | 7281.8 |
| LMH-G-03 | 1324958 | 711148 | 7305.52 | 7305.7 |
| LMH-G-04 | 1325527 | 710635 | 7305.99 | 7307.5 |
| LMH-G-05 | 1326083 | 710111 | 7293.24 | 7295.1 |
| LMH-G-06 | 1326720 | 709593 | 7279.13 | 7280.6 |
| LMH-G-07 | 1328346 | 708556 | 7234.05 | 7235.0 |
| LMH-G-08 | 1329302 | 708135 | 7289.02 | 7285.5 |
| LMH-G-09 | 1329669 | 707385 | 7301.63 | 7301.5 |
| LMH-G-10 | 1330002 | 706624 | 7319.67 | 7321.5 |
| LMH-G-11 | 1330471 | 705958 | 7336.38 | 7337.1 |
| LMH-G-12 | 1331163 | 705526 | 7341.55 | 7343.6 |
| LMH-G-13 | 1331938 | 704664 | 7315.79 | 7313.3 |
| LMH-G-14 | 1332254 | 703777 | 7272.60 | 7268.9 |
| LMH-G-15 | 1332791 | 702944 | 7216.52 | 7208.0 |
| LMH-G-16 | 1333767 | 702374 | 7126.84 | 7127.3 |
| LMH-G-17 | 1334951 | 701879 | 7112.69 | 7114.2 |
| LMH-G-18 | 1335686 | 701290 | 7208.99 | 7210.5 |
| LMH-G-19 | 1336282 | 700779 | 7201.88 | 7201.5 |
| LMH-G-20 | 1337003 | 700373 | 7203.48 | 7204.3 |
| LMH-G-21 | 1337832 | 700046 | 7208.98 | 7208.5 |
| LMH-H-01 | 1326713 | 712768 | 7245.45 | 7247.0 |
| LMH-H-02 | 1327282 | 712274 | 7243.47 | 7244.2 |
| LMH-H-03 | 1328014 | 711885 | 7231.46 | 7233.0 |
| LMH-H-04 | 1328755 | 711444 | 7231.77 | 7232.3 |
| LMH-H-05 | 1330820 | 709830 | 7242.59 | 7239.5 |
| LMH-H-06 | 1331400 | 709254 | 7261.21 | 7262.5 |
| LMH-H-07 | 1331811 | 708541 | 7266.08 | 7268.2 |
| LMH-H-08 | 1332188 | 707716 | 7289.28 | 7284.8 |
| LMH-H-09 | 1333846 | 706671 | 7200.08 | 7201.5 |
| LMH-H-10 | 1334339 | 705944 | 7205.61 | 7201.8 |
| LMH-H-11 | 1334772 | 705277 | 7190.01 | 7189.2 |
| LMH-H-12 | 1335386 | 704618 | 7115.03 | 7115.1 |
| LMH-H-13 | 1337982 | 702678 | 7152.83 | 7152.5 |
| LMH-H-14 | 1338768 | 702185 | 7138.67 | 7137.2 |
| LMH-H-15 | 1340053 | 701358 | 7165.21 | 7165.2 |
| LMH-H-16 | 1340768 | 700526 | 7149.47 | 7151.1 |
| LMH-H-17 | 1341364 | 699812 | 7150.71 | 7152.2 |
| LMH-I-01 | 1327893 | 714728 | 7207.36 | 7209.2 |
| LMH-I-02 | 1328688 | 714371 | 7193.74 | 7195.7 |
| LMH-I-03 | 1330074 | 714133 | 7182.06 | 7183.8 |
| LMH-I-04 | 1330955 | 713724 | 7182.42 | 7183.6 |
| LMH-I-05 | 1331682 | 712001 | 7203.25 | 7205.0 |
| LMH-I-06 | 1332482 | 711582 | 7198.69 | 7198.5 |
| LMH-I-07 | 1333161 | 711074 | 7189.46 | 7190.8 |
| LMH-I-08 | 1333601 | 710376 | 7184.74 | 7185.6 |
| LMH-I-09 | 1334035 | 709314 | 7238.35 | 7239.8 |
| LMH-I-10 | 1334505 | 708489 | 7187.07 | 7189.0 |
| LMH-J-01 | 1330073 | 716582 | 7158.94 | 7158.1 |

## Upper Miller Hill Region

Turbine Index - Phase I Wind Development Areas

| Turbine Number | Northing | Easting | Existing Elevation | Proposed Elevation |
|---|---|---|---|---|
| UMH-A-01 | 1321779 | 674487 | 8127.10 | 8128.5 |
| UMH-A-02 | 1321860 | 673351 | 8096.97 | 8098.5 |
| UMH-A-03 | 1322079 | 672348 | 8074.98 | 8076.5 |
| UMH-A-04 | 1322869 | 671882 | 8055.08 | 8054.7 |
| UMH-A-05 | 1323248 | 671201 | 8078.03 | 8078.4 |
| UMH-A-06 | 1324870 | 670584 | 8185.55 | 8185.5 |
| UMH-A-07 | 1325645 | 670327 | 8178.17 | 8179.5 |
| UMH-A-08 | 1326417 | 670064 | 8136.09 | 8135.5 |
| UMH-A-09 | 1327790 | 669769 | 8034.32 | 8035.5 |
| UMH-A-10 | 1328497 | 669407 | 8016.07 | 8017.0 |
| UMH-A-11 | 1329274 | 669139 | 7963.91 | 7965.0 |
| UMH-A-12 | 1330312 | 669025 | 7887.40 | 7887.5 |
| UMH-A-13 | 1331228 | 668639 | 7795.65 | 7797.3 |
| UMH-B-01 | 1311110 | 687491 | 8166.25 | 8168.5 |
| UMH-B-02 | 1312018 | 687133 | 8174.75 | 8175.7 |
| UMH-B-03 | 1312440 | 684673 | 8324.17 | 8324.2 |
| UMH-B-04 | 1313107 | 684417 | 8358.40 | 8359.8 |
| UMH-B-05 | 1320774 | 677290 | 8139.23 | 8141.4 |
| UMH-B-06 | 1321137 | 676515 | 8151.29 | 8153.0 |
| UMH-B-07 | 1321842 | 675865 | 8189.72 | 8190.0 |
| UMH-B-08 | 1323591 | 674331 | 8149.59 | 8150.0 |
| UMH-B-09 | 1324062 | 673726 | 8133.07 | 8133.0 |
| UMH-B-10 | 1324525 | 672805 | 8248.59 | 8250.5 |
| UMH-B-11 | 1325247 | 672618 | 8223.53 | 8224.5 |
| UMH-B-12 | 1326407 | 672586 | 8200.43 | 8201.5 |
| UMH-B-13 | 1327060 | 672178 | 8200.53 | 8202.5 |
| UMH-B-14 | 1327745 | 671781 | 8112.18 | 8111.7 |
| UMH-B-15 | 1329474 | 672368 | 8064.50 | 8065.0 |
| UMH-B-16 | 1329998 | 671819 | 7994.50 | 7995.5 |
| UMH-B-17 | 1332913 | 670432 | 8043.89 | 8045.0 |
| UMH-B-18 | 1333251 | 669705 | 7970.91 | 7969.5 |
| UMH-B-19 | 1333737 | 669120 | 7943.42 | 7943.5 |
| UMH-B-20 | 1335180 | 671407 | 7976.10 | 7977.1 |
| UMH-B-21 | 1335749 | 670893 | 7938.79 | 7937.5 |
| UMH-B-22 | 1336370 | 670439 | 7943.23 | 7942.5 |
| UMH-B-23 | 1337196 | 670181 | 7925.40 | 7925.5 |
| UMH-B-24 | 1337790 | 669687 | 7795.11 | 7796.5 |
| UMH-B-25 | 1338517 | 669370 | 7776.98 | 7776.5 |
| UMH-C-01 | 1311612 | 690069 | 8117.70 | 8119.2 |
| UMH-C-02 | 1311987 | 689418 | 8103.63 | 8106.0 |
| UMH-C-03 | 1312585 | 688964 | 8160.87 | 8161.3 |
| UMH-C-04 | 1313790 | 689032 | 8085.30 | 8086.5 |
| UMH-C-05 | 1314573 | 687218 | 8184.33 | 8185.0 |
| UMH-C-06 | 1314932 | 684603 | 8407.21 | 8408.4 |
| UMH-C-07 | 1315959 | 684302 | 8384.55 | 8385.5 |
| UMH-C-08 | 1316577 | 683866 | 8364.49 | 8366.0 |
| UMH-C-09 | 1317281 | 682660 | 8340.95 | 8342.8 |
| UMH-C-10 | 1317795 | 682109 | 8338.48 | 8340.4 |
| UMH-C-11 | 1318533 | 681787 | 8339.64 | 8341.9 |
| UMH-C-12 | 1319053 | 681232 | 8290.68 | 8290.5 |
| UMH-C-13 | 1319726 | 680852 | 8215.90 | 8215.0 |
| UMH-C-14 | 1320436 | 680520 | 8204.64 | 8204.4 |
| UMH-C-15 | 1320874 | 679895 | 8211.23 | 8211.3 |
| UMH-C-16 | 1321480 | 679442 | 8199.76 | 8201.1 |
| UMH-C-17 | 1321957 | 678850 | 8218.16 | 8215.9 |
| UMH-C-18 | 1322367 | 678202 | 8215.91 | 8216.5 |
| UMH-C-19 | 1322766 | 677474 | 8194.88 | 8197.7 |
| UMH-C-20 | 1323250 | 676721 | 8208.59 | 8210.4 |
| UMH-C-21 | 1323969 | 676365 | 8206.20 | 8208.5 |
| UMH-C-22 | 1324596 | 675805 | 8218.20 | 8214.3 |
| UMH-C-23 | 1325200 | 675320 | 8322.26 | 8322.0 |
| UMH-C-24 | 1325615 | 674642 | 8281.29 | 8280.5 |
| UMH-C-25 | 1326602 | 674186 | 8273.24 | 8274.5 |
| UMH-C-26 | 1327769 | 674210 | 8248.40 | 8250.0 |
| UMH-C-27 | 1328847 | 674145 | 8210.25 | 8210.4 |
| UMH-C-28 | 1329883 | 674035 | 8107.59 | 8105.4 |
| UMH-C-29 | 1331264 | 674073 | 8001.60 | 8002.0 |
| UMH-C-30 | 1332747 | 673873 | 8135.21 | 8134.5 |
| UMH-C-31 | 1332892 | 673180 | 8131.56 | 8133.0 |
| UMH-C-32 | 1333336 | 672581 | 8106.68 | 8108.5 |
| UMH-C-33 | 1334041 | 672327 | 8108.36 | 8109.9 |
| UMH-C-34 | 1334809 | 672146 | 8059.79 | 8058.5 |
| UMH-C-35 | 1336888 | 672525 | 8044.69 | 8046.0 |
| UMH-C-36 | 1337873 | 672210 | 7822.59 | 7821.0 |
| UMH-C-37 | 1338584 | 671877 | 7758.82 | 7756.5 |
| UMH-D-01 | 1297891 | 704443 | 8350.56 | 8352.3 |
| UMH-D-02 | 1298248 | 703321 | 8335.91 | 8337.3 |
| UMH-D-03 | 1298764 | 702741 | 8312.09 | 8313.1 |
| UMH-D-04 | 1299601 | 701973 | 8310.01 | 8310.6 |

Turbine Index - Phase I Wind Development Areas

| Turbine Number | Northing | Easting | Existing Elevation | Proposed Elevation |
|---|---|---|---|---|
| UMH-D-05 | 1300302 | 701643 | 8316.14 | 8317.5 |
| UMH-D-06 | 1301050 | 701386 | 8300.35 | 8300.0 |
| UMH-D-07 | 1302627 | 701622 | 8310.61 | 8312.0 |
| UMH-D-08 | 1303804 | 701801 | 8315.77 | 8317.0 |
| UMH-D-09 | 1312273 | 692652 | 8051.70 | 8053.2 |
| UMH-D-10 | 1312834 | 692103 | 8133.84 | 8133.2 |
| UMH-D-11 | 1313610 | 691682 | 8125.34 | 8123.5 |
| UMH-D-12 | 1315382 | 690063 | 8082.51 | 8084.7 |
| UMH-E-01 | 1298910 | 706078 | 8385.87 | 8387.0 |
| UMH-E-02 | 1299354 | 705453 | 8375.90 | 8377.5 |
| UMH-E-03 | 1299821 | 704838 | 8351.26 | 8352.6 |
| UMH-E-04 | 1312533 | 695916 | 8117.90 | 8119.2 |
| UMH-E-05 | 1312611 | 694954 | 8085.57 | 8086.6 |
| UMH-E-06 | 1313022 | 694287 | 8042.16 | 8043.0 |
| UMH-E-07 | 1314005 | 693998 | 8118.48 | 8120.2 |
| UMH-E-08 | 1315030 | 693348 | 8251.65 | 8250.2 |
| UMH-E-09 | 1315412 | 692667 | 8169.42 | 8170.8 |
| UMH-E-10 | 1316092 | 692164 | 8145.52 | 8141.5 |
| UMH-E-11 | 1316557 | 691529 | 8125.45 | 8123.6 |
| UMH-F-01 | 1300969 | 706996 | 8382.92 | 8383.7 |
| UMH-F-02 | 1301429 | 706346 | 8372.00 | 8372.8 |
| UMH-F-03 | 1301843 | 705207 | 8378.80 | 8381.0 |
| UMH-F-04 | 1302439 | 704621 | 8367.97 | 8368.8 |
| UMH-F-05 | 1303142 | 704258 | 8365.72 | 8367.7 |
| UMH-F-06 | 1303908 | 703957 | 8348.61 | 8350.6 |
| UMH-F-07 | 1304745 | 703681 | 8347.42 | 8348.4 |
| UMH-F-08 | 1305507 | 703400 | 8350.47 | 8351.6 |
| UMH-F-09 | 1306189 | 702932 | 8342.55 | 8344.0 |
| UMH-F-10 | 1306907 | 702551 | 8320.13 | 8319.5 |
| UMH-F-11 | 1307750 | 702226 | 8307.38 | 8309.2 |
| UMH-F-12 | 1308430 | 701860 | 8265.95 | 8265.5 |
| UMH-F-13 | 1309266 | 701416 | 8304.31 | 8305.8 |
| UMH-F-14 | 1310009 | 701103 | 8308.69 | 8309.6 |
| UMH-F-15 | 1310762 | 700881 | 8283.71 | 8284.7 |
| UMH-F-16 | 1313580 | 699694 | 8255.82 | 8256.7 |
| UMH-F-17 | 1313575 | 698676 | 8194.59 | 8195.2 |
| UMH-F-18 | 1313495 | 697556 | 8146.96 | 8148.1 |
| UMH-F-19 | 1314518 | 696506 | 8147.81 | 8148.3 |
| UMH-F-20 | 1315032 | 695959 | 8137.30 | 8137.7 |
| UMH-F-21 | 1315671 | 695410 | 8163.48 | 8163.9 |
| UMH-F-22 | 1316614 | 694907 | 8259.58 | 8260.3 |
| UMH-F-23 | 1317354 | 694408 | 8302.48 | 8302.8 |
| UMH-G-01 | 1302777 | 708015 | 8414.10 | 8414.2 |
| UMH-G-02 | 1303431 | 707613 | 8372.66 | 8374.4 |
| UMH-G-03 | 1304115 | 707228 | 8391.26 | 8392.7 |
| UMH-G-04 | 1304682 | 706707 | 8416.81 | 8418.8 |
| UMH-G-05 | 1305370 | 706327 | 8420.86 | 8422.1 |
| UMH-G-06 | 1306080 | 705961 | 8415.93 | 8418.3 |
| UMH-G-07 | 1306829 | 705621 | 8413.20 | 8414.0 |
| UMH-G-08 | 1307611 | 705229 | 8376.53 | 8378.5 |
| UMH-G-09 | 1308304 | 704753 | 8366.96 | 8368.5 |
| UMH-G-10 | 1309000 | 704208 | 8356.37 | 8356.2 |
| UMH-G-11 | 1309668 | 703803 | 8333.80 | 8334.3 |
| UMH-G-12 | 1310358 | 703356 | 8333.18 | 8335.3 |
| UMH-G-13 | 1311078 | 703004 | 8344.84 | 8346.4 |
| UMH-G-14 | 1311938 | 702833 | 8319.47 | 8321.1 |
| UMH-G-15 | 1312891 | 702662 | 8308.84 | 8308.8 |
| UMH-G-16 | 1316127 | 698626 | 8166.27 | 8167.3 |
| UMH-G-17 | 1316477 | 697440 | 8174.21 | 8175.6 |
| UMH-G-18 | 1317035 | 696852 | 8178.83 | 8180.9 |
| UMH-G-19 | 1317863 | 696411 | 8192.67 | 8191.1 |
| UMH-H-01 | 1306007 | 708351 | 8437.70 | 8438.9 |
| UMH-H-02 | 1306562 | 707850 | 8451.84 | 8452.5 |
| UMH-H-03 | 1307254 | 707493 | 8450.79 | 8452.6 |
| UMH-H-04 | 1308184 | 707411 | 8427.11 | 8427.6 |
| UMH-H-05 | 1308859 | 707029 | 8406.00 | 8407.7 |
| UMH-H-06 | 1309396 | 706474 | 8397.02 | 8399.1 |
| UMH-H-07 | 1309853 | 705866 | 8384.33 | 8386.2 |
| UMH-H-08 | 1310758 | 705687 | 8370.82 | 8371.6 |
| UMH-H-09 | 1311332 | 705182 | 8369.36 | 8371.5 |
| UMH-H-10 | 1312036 | 704816 | 8364.35 | 8366.4 |
| UMH-H-11 | 1312648 | 704359 | 8374.17 | 8376.0 |
| UMH-H-12 | 1314206 | 704492 | 8370.00 | 8372.3 |
| UMH-H-13 | 1315150 | 704406 | 8364.20 | 8365.4 |
| UMH-H-14 | 1315835 | 704028 | 8350.32 | 8352.0 |
| UMH-H-15 | 1317847 | 699664 | 8182.54 | 8184.0 |
| UMH-H-16 | 1318021 | 698868 | 8197.37 | 8198.9 |
| UMH-H-17 | 1318343 | 698073 | 8172.81 | 8174.5 |

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| | | |

Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

Turbine Index
Sierra Madre WDA
Upper & Lower Miller Hill

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 4 OF 254

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# Nevins Ridge Region

| Turbine Index - Phase I Wind Development Areas | | | | |
|---|---|---|---|---|
| Turbine Number | Northing | Easting | Existing Elevation | Proposed Elevation |
| NVR-A-01 | 1331861 | 770696 | 7321.76 | 7322.5 |
| NVR-A-02 | 1332341 | 770063 | 7341.18 | 7342.5 |
| NVR-A-03 | 1333003 | 769123 | 7333.68 | 7332.7 |
| NVR-A-04 | 1333360 | 768444 | 7352.03 | 7353.0 |
| NVR-A-05 | 1333600 | 767689 | 7373.96 | 7373.5 |
| NVR-A-06 | 1334254 | 767210 | 7383.71 | 7382.5 |
| NVR-A-07 | 1334906 | 766616 | 7480.19 | 7474.5 |
| NVR-A-08 | 1335024 | 765594 | 7554.01 | 7554.5 |
| NVR-A-09 | 1335251 | 764845 | 7566.05 | 7568.3 |
| NVR-A-10 | 1335829 | 764301 | 7558.29 | 7560.2 |
| NVR-A-11 | 1336144 | 763574 | 7598.59 | 7599.5 |
| NVR-A-12 | 1336334 | 762767 | 7667.09 | 7665.5 |
| NVR-A-13 | 1336422 | 761836 | 7731.31 | 7729.5 |
| NVR-A-14 | 1336428 | 760894 | 7707.48 | 7708.9 |
| NVR-A-15 | 1336727 | 760143 | 7747.28 | 7747.4 |
| NVR-A-16 | 1337338 | 759652 | 7837.08 | 7835.5 |
| NVR-A-17 | 1337828 | 758999 | 7896.72 | 7894.5 |
| NVR-A-18 | 1339309 | 758321 | 8074.29 | 8074.8 |
| NVR-A-19 | 1339670 | 757502 | 8079.49 | 8077.3 |
| NVR-A-20 | 1339349 | 756322 | 7958.69 | 7953.3 |
| NVR-A-21 | 1339467 | 755466 | 7917.82 | 7912.3 |
| NVR-A-22 | 1339515 | 754555 | 7849.59 | 7850.1 |
| NVR-A-23 | 1340144 | 753993 | 7798.39 | 7799.7 |
| NVR-A-24 | 1340076 | 753085 | 7766.66 | 7766.7 |
| NVR-B-01 | 1331818 | 772951 | 7278.30 | 7278.0 |
| NVR-B-02 | 1332317 | 772389 | 7341.84 | 7341.5 |
| NVR-B-03 | 1333307 | 772171 | 7393.11 | 7389.5 |
| NVR-B-04 | 1333863 | 771655 | 7411.19 | 7410.5 |
| NVR-B-05 | 1334873 | 771384 | 7415.74 | 7411.5 |
| NVR-B-06 | 1335400 | 770811 | 7454.85 | 7454.1 |
| NVR-B-07 | 1335703 | 770092 | 7456.96 | 7452.5 |
| NVR-B-08 | 1336194 | 769450 | 7445.05 | 7440.5 |
| NVR-B-09 | 1336756 | 768845 | 7421.74 | 7422.0 |
| NVR-B-10 | 1339308 | 761548 | 7704.10 | 7703.8 |
| NVR-B-11 | 1339544 | 760678 | 7820.19 | 7816.7 |
| NVR-B-12 | 1341715 | 758969 | 8009.90 | 8008.8 |
| NVR-B-13 | 1342228 | 758408 | 7970.44 | 7968.5 |
| NVR-B-14 | 1342766 | 757771 | 7924.35 | 7925.9 |
| NVR-B-15 | 1343156 | 756932 | 7923.25 | 7923.8 |
| NVR-B-16 | 1343233 | 755973 | 7930.73 | 7928.5 |
| NVR-B-17 | 1343061 | 754540 | 7801.40 | 7801.9 |
| NVR-B-18 | 1343735 | 754021 | 7711.12 | 7712.6 |
| NVR-B-19 | 1344241 | 753414 | 7650.75 | 7651.2 |
| NVR-B-20 | 1345397 | 753035 | 7600.58 | 7596.9 |
| NVR-B-21 | 1346386 | 752838 | 7601.24 | 7595.5 |
| NVR-B-22 | 1347058 | 752401 | 7586.56 | 7586.0 |
| NVR-B-23 | 1349316 | 751238 | 7609.70 | 7611.2 |
| NVR-B-24 | 1349834 | 750672 | 7601.05 | 7602.5 |
| NVR-B-25 | 1350534 | 750251 | 7612.88 | 7609.7 |
| NVR-B-26 | 1351222 | 749819 | 7573.29 | 7571.7 |
| NVR-B-27 | 1351850 | 749147 | 7409.32 | 7410.8 |
| NVR-C-01 | 1332465 | 779147 | 7138.47 | 7138.5 |
| NVR-C-02 | 1332719 | 778389 | 7106.16 | 7105.5 |
| NVR-C-03 | 1333105 | 777537 | 7130.80 | 7130.0 |
| NVR-C-04 | 1333227 | 776108 | 7094.97 | 7095.0 |
| NVR-C-05 | 1333719 | 775221 | 7142.12 | 7140.4 |
| NVR-C-06 | 1334022 | 774362 | 7224.80 | 7222.0 |
| NVR-D-01 | 1334606 | 780054 | 7112.64 | 7112.5 |
| NVR-D-02 | 1335270 | 779013 | 7069.23 | 7068.8 |
| NVR-D-03 | 1335547 | 778073 | 7030.55 | 7029.7 |
| NVR-D-04 | 1336312 | 777454 | 7009.12 | 7010.5 |
| NVR-D-05 | 1336948 | 776782 | 7112.63 | 7113.5 |
| NVR-D-06 | 1337342 | 776056 | 7133.29 | 7134.0 |
| NVR-D-07 | 1337981 | 775575 | 7189.53 | 7190.2 |
| NVR-D-08 | 1338728 | 774990 | 7245.52 | 7245.5 |
| NVR-D-09 | 1339188 | 774360 | 7305.22 | 7304.0 |
| NVR-D-10 | 1339353 | 773557 | 7307.46 | 7308.2 |

| Turbine Index - Phase I Wind Development Areas | | | | |
|---|---|---|---|---|
| Turbine Number | Northing | Easting | Existing Elevation | Proposed Elevation |
| NVR-D-11 | 1339212 | 772524 | 7333.54 | 7332.5 |
| NVR-D-12 | 1338858 | 771057 | 7357.13 | 7356.5 |
| NVR-D-13 | 1338761 | 769943 | 7397.85 | 7398.4 |
| NVR-D-14 | 1338922 | 769051 | 7475.51 | 7476.5 |
| NVR-D-15 | 1338879 | 768070 | 7487.27 | 7487.5 |
| NVR-D-16 | 1338902 | 767137 | 7548.81 | 7546.5 |
| NVR-D-17 | 1339070 | 766324 | 7580.33 | 7581.0 |
| NVR-D-18 | 1339232 | 765505 | 7613.92 | 7615.1 |
| NVR-D-19 | 1339686 | 764893 | 7634.04 | 7634.8 |
| NVR-D-20 | 1339756 | 764055 | 7665.26 | 7661.4 |
| NVR-D-21 | 1340178 | 763430 | 7702.26 | 7702.5 |
| NVR-D-22 | 1341977 | 763126 | 7599.82 | 7599.5 |
| NVR-D-23 | 1343928 | 760054 | 7894.60 | 7887.1 |
| NVR-D-24 | 1345486 | 756697 | 7740.02 | 7740.5 |
| NVR-D-25 | 1345919 | 755931 | 7649.74 | 7643.2 |
| NVR-D-26 | 1346987 | 755524 | 7588.00 | 7588.5 |
| NVR-D-27 | 1348268 | 755247 | 7502.41 | 7503.9 |
| NVR-D-28 | 1349376 | 754883 | 7456.58 | 7455.0 |
| NVR-D-29 | 1350160 | 754390 | 7432.81 | 7432.9 |
| NVR-D-30 | 1351076 | 753937 | 7487.47 | 7481.7 |
| NVR-D-31 | 1351879 | 753338 | 7508.39 | 7510.0 |
| NVR-D-32 | 1352613 | 752799 | 7567.18 | 7569.5 |
| NVR-D-33 | 1353756 | 752523 | 7554.85 | 7556.6 |
| NVR-D-34 | 1355041 | 752441 | 7554.21 | 7552.0 |
| NVR-E-01 | 1341173 | 768281 | 7483.31 | 7483.6 |
| NVR-E-02 | 1341625 | 767653 | 7503.46 | 7504.5 |
| NVR-E-03 | 1342118 | 766991 | 7531.61 | 7531.0 |
| NVR-E-04 | 1342414 | 766213 | 7580.62 | 7582.5 |
| NVR-E-05 | 1342730 | 764884 | 7528.33 | 7529.9 |
| NVR-E-06 | 1344909 | 762097 | 7697.63 | 7698.0 |
| NVR-E-07 | 1345791 | 760898 | 7904.91 | 7905.6 |
| NVR-E-08 | 1346566 | 760533 | 7867.78 | 7867.6 |
| NVR-E-09 | 1347374 | 758375 | 7682.25 | 7679.5 |
| NVR-E-10 | 1348577 | 757985 | 7556.89 | 7556.5 |
| NVR-E-11 | 1349564 | 757561 | 7457.67 | 7459.0 |
| NVR-E-12 | 1350509 | 757157 | 7418.25 | 7418.5 |
| NVR-E-13 | 1351416 | 756559 | 7434.81 | 7437.0 |
| NVR-E-14 | 1353070 | 756291 | 7363.32 | 7364.5 |
| NVR-E-15 | 1354337 | 755789 | 7357.28 | 7358.0 |
| NVR-E-16 | 1355192 | 755292 | 7390.53 | 7389.7 |
| NVR-E-17 | 1356301 | 755040 | 7467.69 | 7468.3 |
| NVR-E-18 | 1357812 | 754419 | 7468.95 | 7470.4 |
| NVR-E-19 | 1358753 | 755959 | 7447.80 | 7448.5 |
| NVR-F-01 | 1342293 | 770332 | 7404.90 | 7406.0 |
| NVR-F-02 | 1343183 | 769964 | 7403.24 | 7405.0 |
| NVR-F-03 | 1343800 | 769478 | 7419.35 | 7420.0 |
| NVR-F-04 | 1344405 | 768590 | 7396.72 | 7397.0 |
| NVR-F-05 | 1344787 | 767899 | 7422.39 | 7422.8 |
| NVR-F-06 | 1345586 | 766972 | 7317.27 | 7317.0 |
| NVR-F-07 | 1345803 | 765388 | 7422.96 | 7424.1 |
| NVR-F-08 | 1345972 | 764576 | 7505.56 | 7506.9 |
| NVR-F-09 | 1346040 | 763680 | 7532.92 | 7531.8 |
| NVR-F-10 | 1348588 | 762624 | 7778.35 | 7780.2 |
| NVR-F-11 | 1348914 | 761918 | 7736.49 | 7737.2 |
| NVR-F-12 | 1349077 | 761111 | 7682.87 | 7684.7 |
| NVR-F-13 | 1349731 | 760664 | 7659.27 | 7650.3 |
| NVR-F-14 | 1350503 | 760302 | 7591.26 | 7589.3 |
| NVR-F-15 | 1351174 | 759878 | 7529.15 | 7529.5 |
| NVR-F-16 | 1352030 | 759590 | 7480.54 | 7482.0 |
| NVR-F-17 | 1353005 | 759404 | 7438.64 | 7437.5 |
| NVR-F-18 | 1354019 | 759214 | 7416.08 | 7416.0 |
| NVR-F-19 | 1355044 | 759032 | 7409.86 | 7410.6 |
| NVR-F-20 | 1356205 | 758802 | 7351.24 | 7349.5 |
| NVR-F-21 | 1357068 | 758494 | 7343.07 | 7342.3 |
| NVR-F-22 | 1357464 | 757829 | 7283.33 | 7283.6 |
| NVR-G-01 | 1341554 | 773532 | 7227.26 | 7226.0 |
| NVR-G-02 | 1343324 | 772610 | 7311.10 | 7313.5 |

| Turbine Index - Phase I Wind Development Areas | | | | |
|---|---|---|---|---|
| Turbine Number | Northing | Easting | Existing Elevation | Proposed Elevation |
| NVR-G-03 | 1343992 | 771974 | 7344.76 | 7345.0 |
| NVR-G-04 | 1345109 | 771419 | 7335.71 | 7336.5 |
| NVR-G-05 | 1346324 | 770367 | 7332.35 | 7332.5 |
| NVR-G-06 | 1347174 | 769939 | 7277.50 | 7275.1 |
| NVR-G-07 | 1347715 | 769385 | 7233.71 | 7235.3 |
| NVR-G-08 | 1348644 | 768300 | 7287.33 | 7288.5 |
| NVR-G-09 | 1348991 | 767357 | 7360.51 | 7361.0 |
| NVR-G-10 | 1349215 | 766217 | 7449.02 | 7449.8 |
| NVR-G-11 | 1349363 | 765073 | 7510.73 | 7507.8 |
| NVR-G-12 | 1351381 | 762654 | 7605.64 | 7607.1 |
| NVR-G-13 | 1352243 | 762287 | 7522.94 | 7525.4 |
| NVR-G-14 | 1352923 | 761706 | 7457.77 | 7458.3 |
| NVR-H-01 | 1351669 | 765275 | 7741.49 | 7737.6 |
| NVR-H-02 | 1352556 | 764936 | 7666.78 | 7666.8 |
| NVR-H-03 | 1353128 | 764382 | 7542.06 | 7544.1 |
| NVR-H-04 | 1353844 | 763961 | 7586.24 | 7587.7 |
| NVR-H-05 | 1354470 | 763457 | 7516.51 | 7518.0 |
| NVR-H-06 | 1355017 | 762687 | 7436.58 | 7438.8 |
| NVR-H-07 | 1355633 | 761953 | 7342.11 | 7341.5 |
| NVR-H-08 | 1356648 | 761385 | 7342.12 | 7342.5 |
| NVR-H-09 | 1357599 | 760762 | 7351.10 | 7353.1 |
| NVR-H-10 | 1360233 | 760731 | 7239.54 | 7238.5 |
| NVR-I-01 | 1338927 | 780007 | 7179.66 | 7178.9 |
| NVR-I-02 | 1339329 | 779292 | 7147.94 | 7146.0 |
| NVR-I-03 | 1339807 | 778500 | 7207.34 | 7209.0 |
| NVR-I-04 | 1340336 | 777855 | 7252.38 | 7253.5 |
| NVR-I-05 | 1340768 | 777169 | 7305.44 | 7303.5 |
| NVR-I-06 | 1341300 | 776538 | 7331.72 | 7329.5 |
| NVR-I-07 | 1341853 | 776011 | 7250.37 | 7250.2 |
| NVR-I-08 | 1342311 | 775401 | 7173.54 | 7170.5 |
| NVR-I-09 | 1344744 | 774689 | 7261.97 | 7262.5 |
| NVR-I-10 | 1345447 | 774174 | 7189.67 | 7187.5 |
| NVR-I-11 | 1346229 | 773589 | 7290.74 | 7291.5 |
| NVR-I-12 | 1347122 | 773288 | 7237.22 | 7238.5 |
| NVR-I-13 | 1348225 | 772114 | 7202.61 | 7203.8 |
| NVR-I-14 | 1349367 | 771723 | 7183.52 | 7183.5 |
| NVR-I-15 | 1350196 | 769867 | 7312.64 | 7311.8 |
| NVR-I-16 | 1350706 | 769073 | 7308.12 | 7309.6 |
| NVR-I-17 | 1351540 | 768677 | 7319.48 | 7321.0 |
| NVR-I-18 | 1352096 | 767976 | 7398.75 | 7400.7 |
| NVR-I-19 | 1352510 | 767301 | 7457.34 | 7452.0 |
| NVR-I-20 | 1353750 | 766652 | 7711.71 | 7708.8 |
| NVR-I-21 | 1354843 | 766432 | 7636.31 | 7635.3 |
| NVR-I-22 | 1355480 | 765869 | 7602.70 | 7603.3 |
| NVR-I-23 | 1356083 | 765234 | 7491.99 | 7491.3 |
| NVR-I-24 | 1357124 | 764470 | 7409.60 | 7411.1 |
| NVR-I-25 | 1358275 | 764028 | 7345.57 | 7344.5 |
| NVR-I-26 | 1359512 | 763564 | 7260.63 | 7261.0 |
| NVR-I-27 | 1360721 | 763171 | 7213.85 | 7215.4 |
| NVR-I-28 | 1361672 | 762454 | 7181.31 | 7182.8 |
| NVR-I-29 | 1362129 | 761060 | 7169.61 | 7171.1 |
| NVR-J-01 | 1342242 | 780081 | 7196.25 | 7196.5 |
| NVR-J-02 | 1342670 | 779435 | 7175.10 | 7175.0 |
| NVR-J-03 | 1353434 | 770491 | 7252.22 | 7253.5 |
| NVR-J-04 | 1354215 | 770120 | 7252.34 | 7252.2 |
| NVR-J-05 | 1354915 | 769690 | 7279.27 | 7276.8 |
| NVR-J-06 | 1355567 | 768966 | 7383.30 | 7383.2 |
| NVR-J-07 | 1356514 | 768075 | 7676.39 | 7674.0 |
| NVR-J-08 | 1357798 | 767198 | 7575.80 | 7574.9 |
| NVR-J-09 | 1358597 | 766695 | 7469.81 | 7471.3 |
| NVR-J-10 | 1360242 | 766647 | 7382.49 | 7380.0 |
| NVR-J-11 | 1360868 | 766026 | 7352.01 | 7353.5 |
| NVR-K-01 | 1358151 | 773193 | 7102.74 | 7103.6 |
| NVR-K-02 | 1358283 | 772252 | 7148.06 | 7148.1 |
| NVR-K-03 | 1358642 | 771573 | 7169.34 | 7170.5 |
| NVR-K-04 | 1358875 | 770309 | 7366.41 | 7367.0 |
| NVR-K-05 | 1359439 | 769741 | 7379.28 | 7379.9 |
| NVR-K-06 | 1360321 | 768657 | 7312.45 | 7306.5 |

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Drawn: KM/TR
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Revisions:

| # | DATE | DESCRIPTION |
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Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

Turbine Index
Chokecherry WDA
Nevins Ridge

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 5 OF 254

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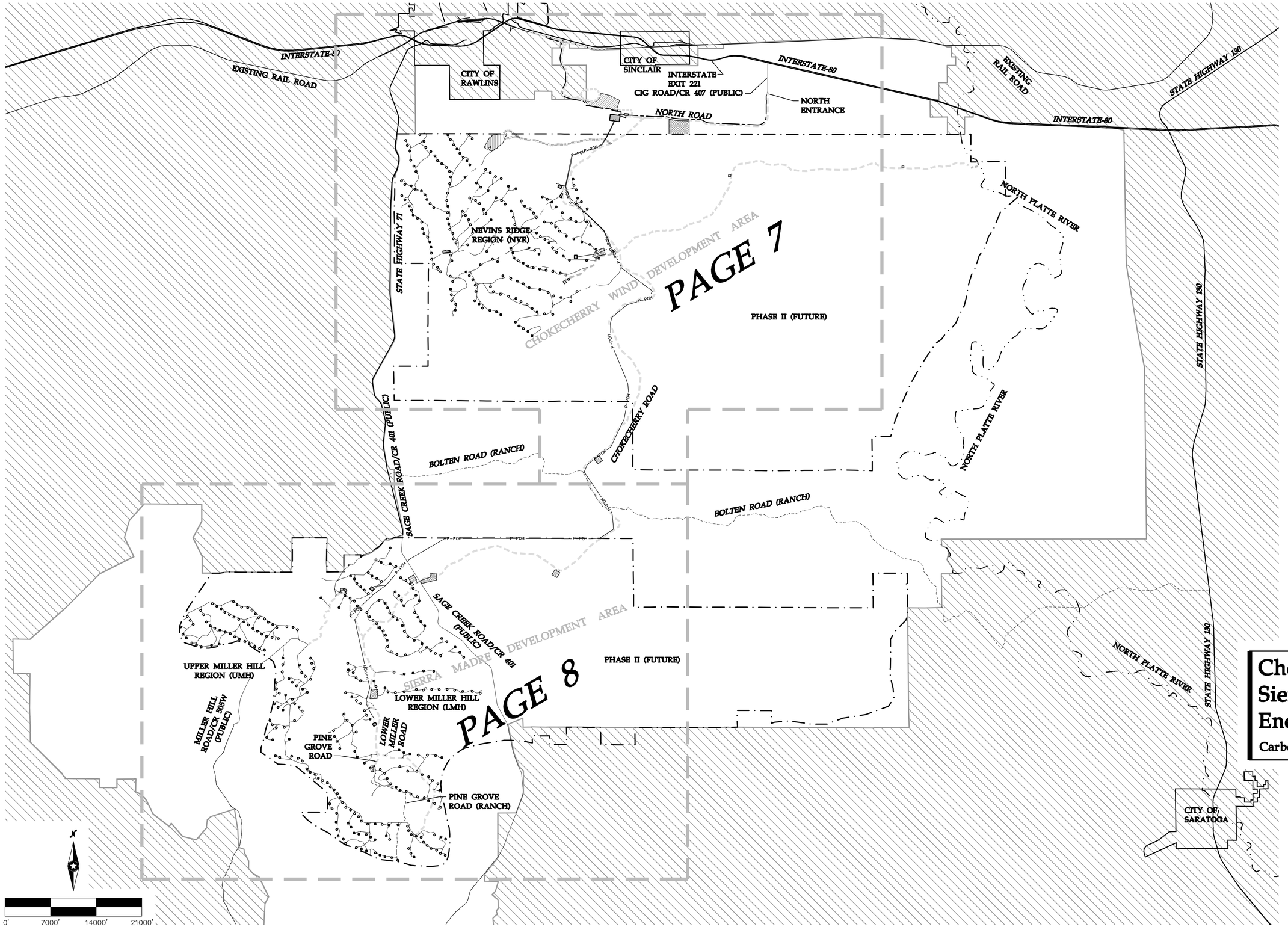


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## LEGEND:

- PHASE I HAUL ROAD*
- PHASE I FACILITIES*
- WEST SINCLAIR RAIL AND ACCESS ROAD**
- W. SINCLAIR RAIL FACILITY**
- ROCK ROAD QUARRY ACCESS ROAD***
- ROCK ROAD QUARRY***
- PROPOSED ARTERIAL/ TURBINE/FACILITY ROAD
- PROPOSED FACILITIES
- PROPOSED TURBINE
- PROPOSED UTILITY CORRIDOR
- P-POH — PROPOSED 230 kV TRANSMISSION LINE
- PROJECT BOUNDARY
- DEVOPMENT AREA BOUNDARY
- EXISTING PUBLIC ROAD
- EXISTING RANCH ROAD
- EXISTING RAILROAD
- EXISTING HWY/INTERSTATE

* REFER TO PHASE I HAUL ROAD AND FACILITIES PLANS
** REFER TO WEST SINCLAIR RAIL FACILITY PLANS
*** REFER TO ROCK ROAD QUARRY PLANS

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Overall Plan

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 6 OF 254

20111120-020A-P02.dwg

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**WIND DEVELOPMENT AREA FACILITIES:**

1. OVERLAND SUBSTATION
2. NORTH WATER FILLING STATION
3. NEVINS VALLEY SUBSTATION (CC-A)
4. SMITH DRAW SUBSTATION (CC-B)
5. CHOKECHERRY MAINTENANCE BUILDING
6. CHOKECHERRY KNOB WATER FILLING STATION
7. NEVINS VALLEY WATER FILLING STATION

FACILITIES PER PREVIOUS PERMITTING PLANS:

8. NORTH LAYDOWN YARD
9. WEST SINCLAIR RAIL FACILITY
10. ROCK ROAD QUARRY
11. SMITH DRAW WATER FILLING STATION
12. SMITH DRAW LAYDOWN YARD
13. SMITH DRAW GROUNDWATER FACILITY
14. BOOSTER STATION #2
15. CHOCKCHERRY LAYDOWN YARD

SUGAR CREEK
CITY OF RAWLINS
CITY OF SINCLAIR
INTERSTATE 80 EXIT 221
WEST SINCLAIR RAIL FACILITY ACCESS ROAD
UTILITY CORRIDOR
NORTH INTERSECTION
CIG ROAD/CR 407 (PUBLIC)
CIG PLANT
NORTH ENTRANCE
UTILITY CORRIDOR
NORTH ROAD
QUARRY ROAD
SMITH DRAW ROAD
SMITH DRAW
HUGUS DRAW
HAY GULCH ROAD
FIVEMILE ROAD
STATE HIGHWAY 71
LOWER NEVINS ROAD
UPPER NEVINS ROAD
CHOKECHERRY ROAD
HUGUS RIDGE ROAD

0' 3000' 6000' 9000'

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- SECTION NUMBER
- ## PLAN PAGE NUMBER

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Overall Plan - Chokecherry WDA

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 7 OF 254

20111120-030A-P02.dwg

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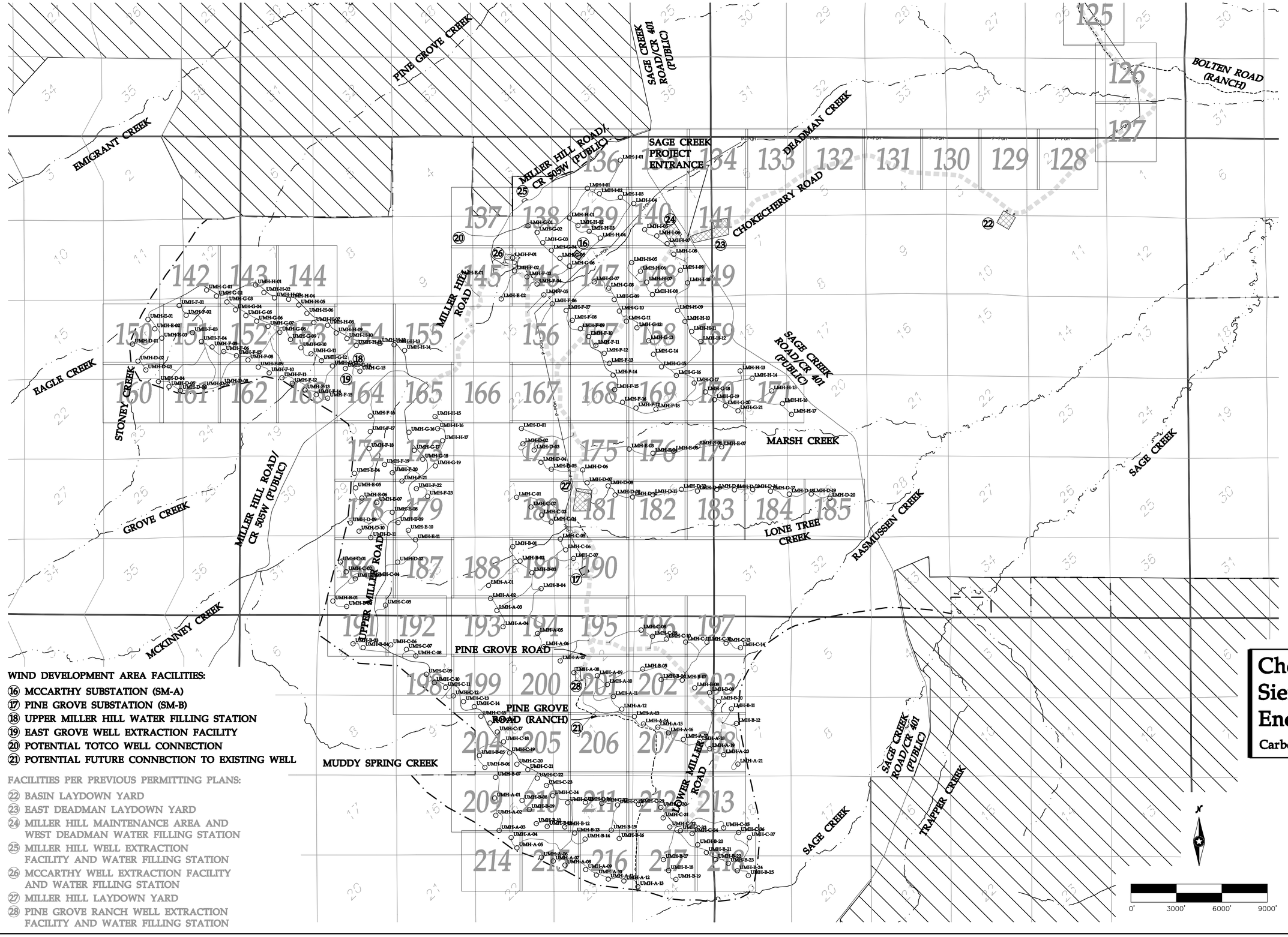


**WIND DEVELOPMENT AREA FACILITIES:**

16. MCCARTHY SUBSTATION (SM-A)
17. PINE GROVE SUBSTATION (SM-B)
18. UPPER MILLER HILL WATER FILLING STATION
19. EAST GROVE WELL EXTRACTION FACILITY
20. POTENTIAL TOTCO WELL CONNECTION
21. POTENTIAL FUTURE CONNECTION TO EXISTING WELL

FACILITIES PER PREVIOUS PERMITTING PLANS:

22. BASIN LAYDOWN YARD
23. EAST DEADMAN LAYDOWN YARD
24. MILLER HILL MAINTENANCE AREA AND WEST DEADMAN WATER FILLING STATION
25. MILLER HILL WELL EXTRACTION FACILITY AND WATER FILLING STATION
26. MCCARTHY WELL EXTRACTION FACILITY AND WATER FILLING STATION
27. MILLER HILL LAYDOWN YARD
28. PINE GROVE RANCH WELL EXTRACTION FACILITY AND WATER FILLING STATION

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Overall Plan - Sierra Madre WDA

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 8 OF 254

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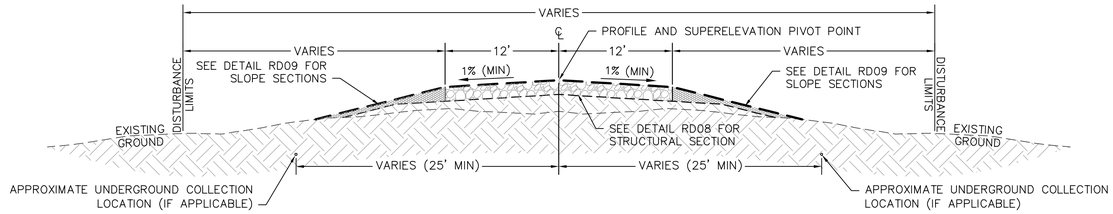



**NOTES:**

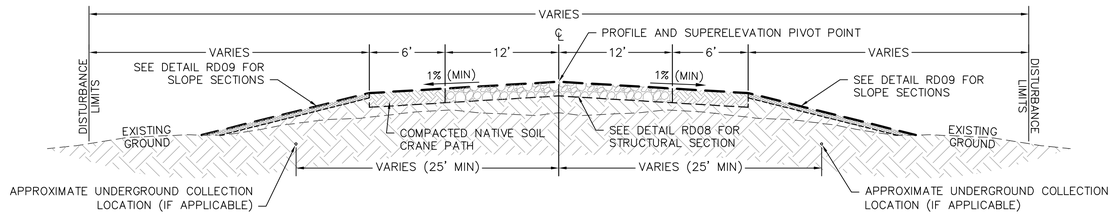
1. TYPICAL SECTION DESIGNED FOR A MODIFIED 20 MPH ROAD.
2. SLOPES SHOWN ARE IN HORIZONTAL TO VERTICAL (H:V) FORMAT.
3. ALL DISTURBED GROUND NOT COVERED WITH GRAVEL SHALL BE STABILIZED. SLOPES SHOWN ARE TYPICAL. SOME ROAD LOCATIONS MAY REQUIRE VARIATIONS IN SLOPE.
4. IF EXCESS TOPSOIL IS AVAILABLE, ADDITIONAL TOPSOIL CAN BE PLACED ON FILL SLOPES INCREASING THE DEPTH OF TOPSOIL.
5. CROWN/CROSS SLOPE SHOWN IS MINIMUM. MAY BE INCREASED UP TO 3% ON SOME ROADS.
6. REFER TO PLAN FOR LOCATION AND NUMBER OF UNDERGROUND COLLECTION CIRCUITS. ADDITIONAL CIRCUITS BEYOND ONE SHOWN IN DETAIL TO BE SEPARATED BY 12'.

**TYPICAL SECTION NOT DRAWN TO SCALE**

24' WIDE ARTERIAL ROAD TYPICAL SECTION (CROWNED)

LAST REVISED: 12/26/13

RD01–A

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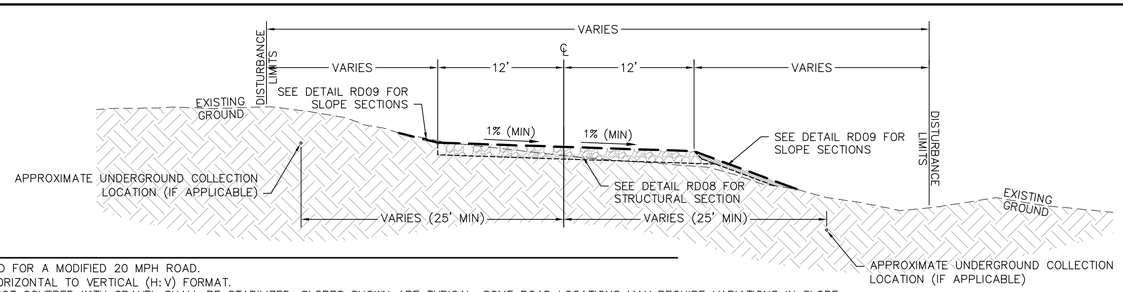
**TYPICAL SECTION NOT DRAWN TO SCALE**

24' WIDE ARTERIAL ROAD WITH CRANE TRAVEL TYPICAL SECTION (CROWNED)

LAST REVISED: 12/26/13

RD01–B

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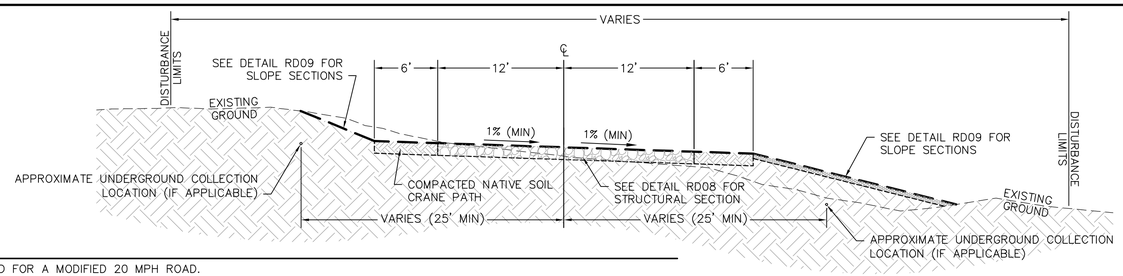
**TYPICAL SECTION NOT DRAWN TO SCALE**

24' WIDE ARTERIAL ROAD TYPICAL SECTION (CROSS SLOPED)

LAST REVISED: 12/26/13

RD01–C

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24' WIDE ARTERIAL ROAD WITH CRANE TRAVEL TYPICAL SECTION (CROSS SLOPED)

LAST REVISED: 12/26/13

RD01–D

| SITE PLAN SHEET ROAD LABEL | DETAIL SHEET TYPICAL SECTION |
|---|---|
| HUGUS RIDGE ROAD, HAY GULCH ROAD, QUARRY ROAD, FIVEMILE ROAD, LOWER NEVINS ROAD, UPPER NEVINS ROAD, SMITH DRAW ROAD, UPPER MILLER ROAD | 24' WIDE ARTERIAL ROAD |
| NVR ROAD CB | 24' WIDE ARTERIAL ROAD & 16' WIDE TURBINE/FACILITY ROAD * |
| NVR ROAD FV | 16' WIDE TURBINE/FACILITY ROAD & 12' WIDE STRUCTURE ROAD * |
| LMH ROAD AG, AH, CA, DH, UMH ROAD UA | 24' WIDE ARTERIAL ROAD & 16' WIDE TURBINE/FACILITY ROAD * |
| ROADS NOT LISTED ABOVE | 16' WIDE TURBINE/FACILITY ROAD |
| OVERHEAD POWER 12' STRUCTURE ROADS | 12' WIDE STRUCTURE ROAD |

*SEE PLAN SHEETS FOR LOCATION OF ROAD WIDTH/TYPE CHANGES

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Prepared for:

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Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Road Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15

Sheet: 9 OF 254

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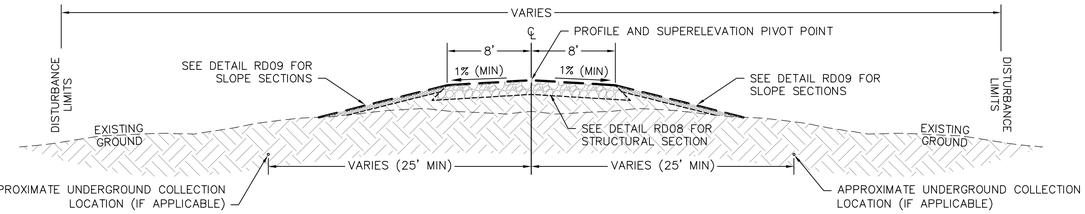


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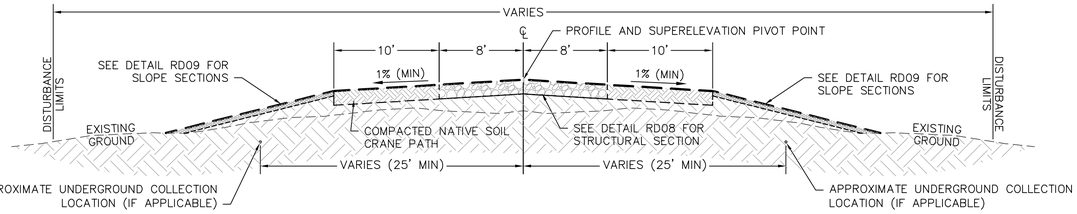
**TYPICAL SECTION NOT DRAWN TO SCALE**

16' WIDE TURBINE/FACILITY ROAD TYPICAL SECTION (CROWNED)

LAST REVISED: 12/26/13

RD01–E

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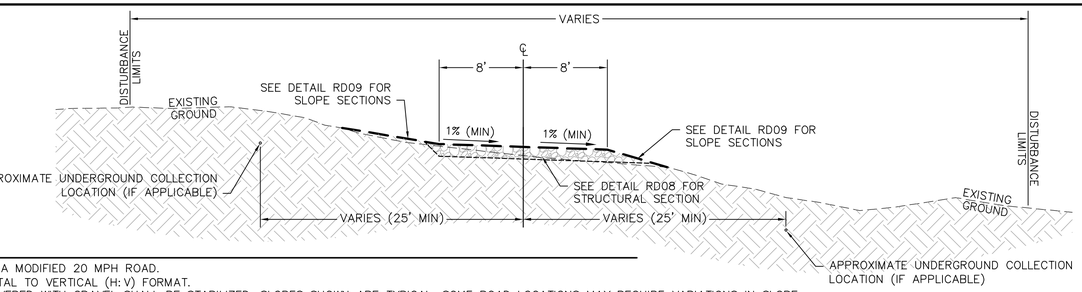
**TYPICAL SECTION NOT DRAWN TO SCALE**

16' WIDE TURBINE/FACILITY ROAD WITH CRANE TRAVEL TYPICAL SECTION (CROWNED)

LAST REVISED: 12/26/13

RD01–F

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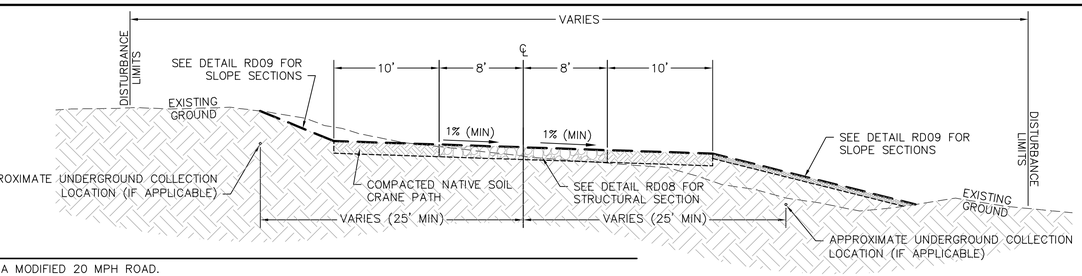
**TYPICAL SECTION NOT DRAWN TO SCALE**

16' WIDE TURBINE/FACILITY ROAD TYPICAL SECTION (CROSS SLOPED)

LAST REVISED: 12/26/13

RD01–G

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3. ALL DISTURBED GROUND NOT COVERED WITH GRAVEL SHALL BE STABILIZED. SLOPES SHOWN ARE TYPICAL. SOME ROAD LOCATIONS MAY REQUIRE VARIATIONS IN SLOPE.
4. IF EXCESS TOPSOIL IS AVAILABLE, ADDITIONAL TOPSOIL CAN BE PLACED ON FILL SLOPES INCREASING THE DEPTH OF TOPSOIL.
5. CROWN/CROSS SLOPE SHOWN IS MINIMUM. MAY BE INCREASED UP TO 3% ON SOME ROADS.
6. REFER TO PLAN FOR LOCATION AND NUMBER OF UNDERGROUND COLLECTION CIRCUITS. ADDITIONAL CIRCUITS BEYOND ONE SHOWN IN DETAIL TO BE SEPARATED BY 12'.

**TYPICAL SECTION NOT DRAWN TO SCALE**

16' WIDE TURBINE/FACILITY ROAD WITH CRANE TRAVEL TYPICAL SECTION (CROSS SLOPED)

LAST REVISED: 12/26/13

RD01–H

| SITE PLAN SHEET ROAD LABEL | DETAIL SHEET TYPICAL SECTION |
|---|---|
| HUGUS RIDGE ROAD, HAY GULCH ROAD, QUARRY ROAD, FIVEMILE ROAD, LOWER NEVINS ROAD, UPPER NEVINS ROAD, SMITH DRAW ROAD, UPPER MILLER ROAD | 24' WIDE ARTERIAL ROAD |
| NVR ROAD CB | 24' WIDE ARTERIAL ROAD & 16' WIDE TURBINE/FACILITY ROAD * |
| NVR ROAD FV | 16' WIDE TURBINE/FACILITY ROAD & 12' WIDE STRUCTURE ROAD * |
| LMH ROAD AG, AH, CA, DH, UMH ROAD UA | 24' WIDE ARTERIAL ROAD & 16' WIDE TURBINE/FACILITY ROAD * |
| ROADS NOT LISTED ABOVE | 16' WIDE TURBINE/FACILITY ROAD |
| OVERHEAD POWER 12' STRUCTURE ROADS | 12' WIDE STRUCTURE ROAD |

*SEE PLAN SHEETS FOR LOCATION OF ROAD WIDTH/TYPE CHANGES

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| # | DATE | DESCRIPTION |
|---|---|---|
| | | |

Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Road Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15

Sheet: 10 OF 254

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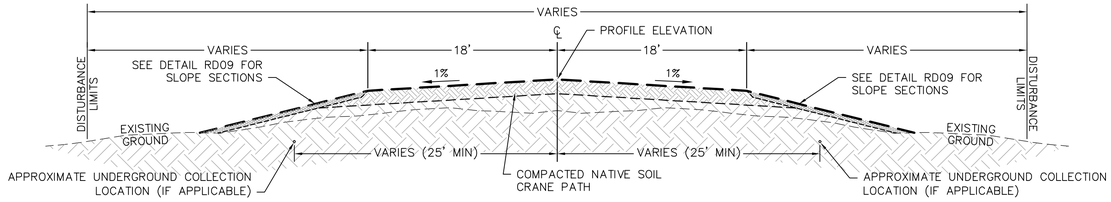



**NOTES:**

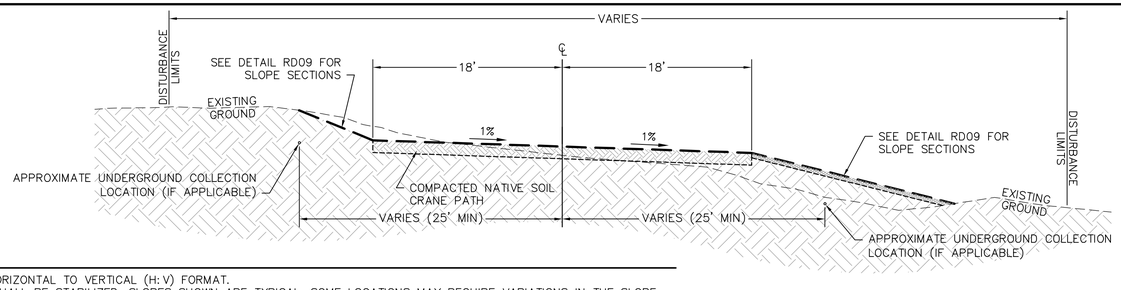
1. SLOPES SHOWN ARE IN HORIZONTAL TO VERTICAL (H:V) FORMAT.
2. ALL DISTURBED GROUND SHALL BE STABILIZED. SLOPES SHOWN ARE TYPICAL. SOME LOCATIONS MAY REQUIRE VARIATIONS IN THE SLOPE
3. IF EXCESS TOPSOIL IS AVAILABLE, ADDITIONAL TOPSOIL CAN BE PLACED ON FILL SLOPES INCREASING THE DEPTH OF TOPSOIL.
4. CROWN/CROSS SLOPE SHOWN IS MAXIMUM FOR CRANE TRAVEL.
5. REFER TO PLAN FOR LOCATION AND NUMBER OF UNDERGROUND COLLECTION CIRCUITS. ADDITIONAL CIRCUITS BEYOND ONE SHOWN IN DETAIL TO BE SEPARATED BY 12'.

**TYPICAL SECTION NOT DRAWN TO SCALE**

36' WIDE CRANE TRAVEL TYPICAL SECTION (CROWNED)

LAST REVISED: 12/26/13

RD01–I




**NOTES:**

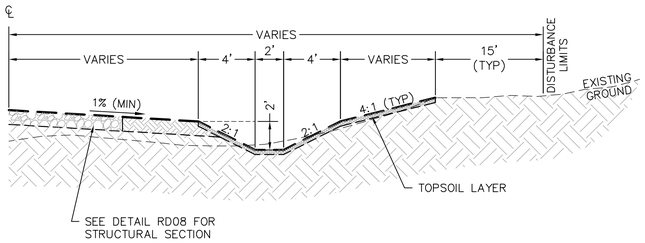
1. SLOPES SHOWN ARE IN HORIZONTAL TO VERTICAL (H:V) FORMAT.
2. ALL DISTURBED GROUND SHALL BE STABILIZED. SLOPES SHOWN ARE TYPICAL. SOME LOCATIONS MAY REQUIRE VARIATIONS IN THE SLOPE
3. IF EXCESS TOPSOIL IS AVAILABLE, ADDITIONAL TOPSOIL CAN BE PLACED ON FILL SLOPES INCREASING THE DEPTH OF TOPSOIL.
4. CROWN/CROSS SLOPE SHOWN IS MAXIMUM FOR CRANE TRAVEL.
5. REFER TO PLAN FOR LOCATION AND NUMBER OF UNDERGROUND COLLECTION CIRCUITS. ADDITIONAL CIRCUITS BEYOND ONE SHOWN IN DETAIL TO BE SEPARATED BY 12'.

**TYPICAL SECTION NOT DRAWN TO SCALE**

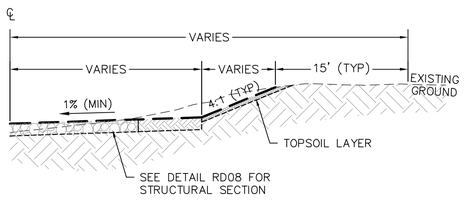
36' WIDE CRANE TRAVEL TYPICAL SECTION (CROSS SLOPED)

LAST REVISED: 12/26/13

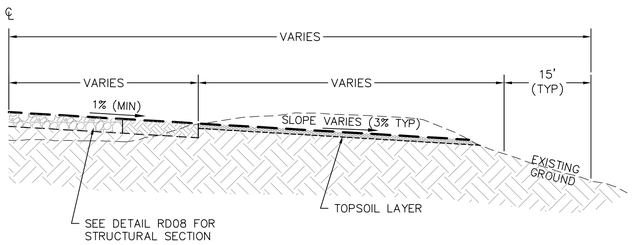
RD01–J



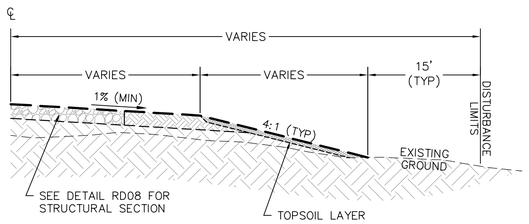

CUT SLOPE (DITCH)




CUT SLOPE




DRAIN CUT EDGE




FILL SLOPE

**NOTES:**

1. SLOPES SHOWN ARE IN HORIZONTAL TO VERTICAL (H:V) FORMAT.
2. ALL DISTURBED GROUND NOT COVERED WITH GRAVEL SHALL BE STABILIZED. SLOPES SHOWN ARE TYPICAL. SOME ROAD LOCATIONS MAY REQUIRE VARIATIONS IN THE SLOPE
3. IF EXCESS TOPSOIL IS AVAILABLE, ADDITIONAL TOPSOIL CAN BE PLACED ON FILL SLOPES INCREASING THE DEPTH OF TOPSOIL.
4. CROWN/CROSS SLOPE SHOWN IS MINIMUM. MAY BE INCREASED UP TO 3% ON SOME ROADS.

TYPICAL ROAD SLOPE SECTIONS

LAST REVISED: 12/26/13

RD09

| SITE PLAN SHEET ROAD LABEL | DETAIL SHEET TYPICAL SECTION |
|---|---|
| HUGUS RIDGE ROAD, HAY GULCH ROAD, QUARRY ROAD, FIVEMILE ROAD, LOWER NEVINS ROAD, UPPER NEVINS ROAD, SMITH DRAW ROAD, UPPER MILLER ROAD | 24' WIDE ARTERIAL ROAD |
| NVR ROAD CB | 24' WIDE ARTERIAL ROAD & 16' WIDE TURBINE/FACILITY ROAD * |
| NVR ROAD FV | 16' WIDE TURBINE/FACILITY ROAD & 12' WIDE STRUCTURE ROAD * |
| LMH ROAD AG, AH, CA, DH, UMH ROAD UA | 24' WIDE ARTERIAL ROAD & 16' WIDE TURBINE/FACILITY ROAD * |
| ROADS NOT LISTED ABOVE | 16' WIDE TURBINE/FACILITY ROAD |
| OVERHEAD POWER 12' STRUCTURE ROADS | 12' WIDE STRUCTURE ROAD |

*SEE PLAN SHEETS FOR LOCATION OF ROAD WIDTH/TYPE CHANGES

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Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Road Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 11 OF 254

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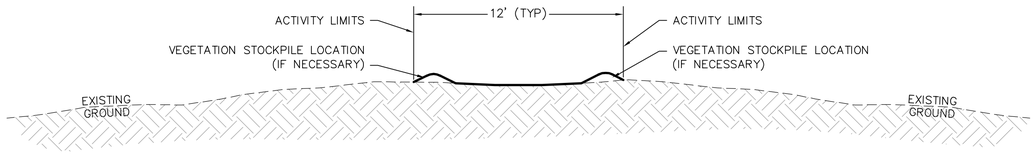
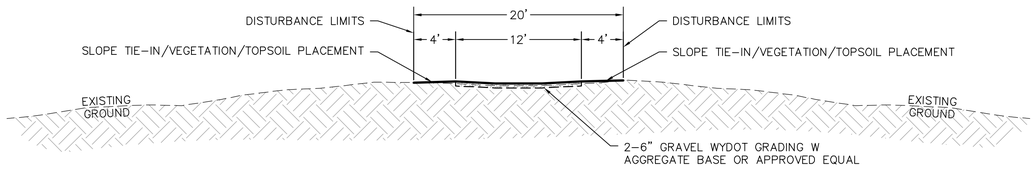



NOTES:

1. IF UNIMPROVED ACCESS ROADS REQUIRE MATTING AND/OR GRAVEL DURING CONSTRUCTION, REFER TO DETAIL RD01L.
2. EXISTING VEGETATION TO REMAIN WITHIN UNIMPROVED ACCESS ROADS. CONSTRUCTION EQUIPMENT TO "DRIVE & CRUSH" PAD VEGETATION.

TYPICAL SECTION NOT DRAWN TO SCALE

| | | |
|---|---|---|
| Westwood | 12' WIDE UNIMPROVED ACCESS ROAD TO TEMPORARY ELECTRICAL STRUCTURE PADS | LAST REVISED: 03/20/14 RD01K |

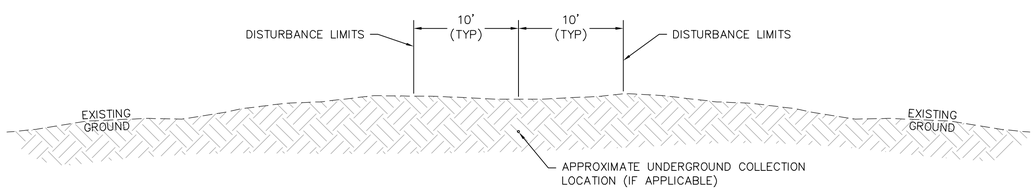



NOTES:

1. EXISTING VEGETATION AND TOPSOIL TO BE STRIPPED AND PLACED ALONG EDGES OF GRAVEL STRUCTURE ROAD.

TYPICAL SECTION NOT DRAWN TO SCALE

| | | |
|---|---|---|
| Westwood | 12' WIDE STRUCTURE ROAD TO TRANSMISSION STRUCTURE PADS | LAST REVISED: 03/20/14 RD01L |




NOTES:

1. REFER TO PLAN FOR LOCATION AND NUMBER OF UNDERGROUND COLLECTION CIRCUITS. ADDITIONAL CIRCUITS BEYOND ONE SHOWN IN DETAIL TO BE SEPARATED BY 12'.
2. TYPICAL DEPTH OF COLLECTION CIRCUIT TO BE 36" (REFER TO UNDERGROUND DETAILS)

TYPICAL SECTION NOT DRAWN TO SCALE

| | | |
|---|---|---|
| Westwood | CROSS-COUNTRY UNDERGROUND COLLECTION ROUTE | LAST REVISED: 03/20/14 RD01M |

| SITE PLAN SHEET ROAD LABEL | DETAIL SHEET TYPICAL SECTION |
|---|---|
| HUGUS RIDGE ROAD, HAY GULCH ROAD, QUARRY ROAD, FIVEMILE ROAD, LOWER NEVINS ROAD, UPPER NEVINS ROAD, SMITH DRAW ROAD, UPPER MILLER ROAD | 24' WIDE ARTERIAL ROAD |
| NVR ROAD CB | 24' WIDE ARTERIAL ROAD & 16' WIDE TURBINE/FACILITY ROAD * |
| NVR ROAD FV | 16' WIDE TURBINE/FACILITY ROAD & 12' WIDE STRUCTURE ROAD * |
| LMH ROAD AG, AH, CA, DH, UMH ROAD UA | 24' WIDE ARTERIAL ROAD & 16' WIDE TURBINE/FACILITY ROAD * |
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| OVERHEAD POWER 12' STRUCTURE ROADS | 12' WIDE STRUCTURE ROAD |

*SEE PLAN SHEETS FOR LOCATION OF ROAD WIDTH/TYPE CHANGES

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Prepared for:

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555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Road Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 12 OF 254

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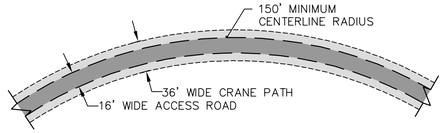
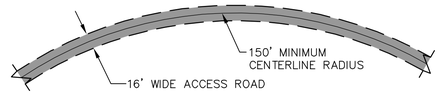
## TURBINE ROAD WITH CRANE PATH WHERE APPLICABLE



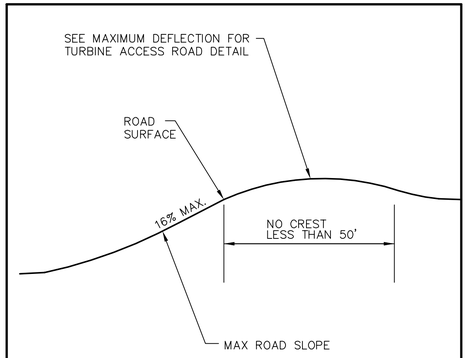

## TURBINE ROAD WITHOUT CRANE PATH



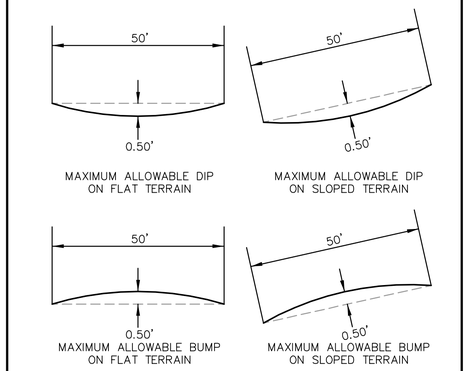

**NOTE:**

1. SOME RADII MAY REQUIRE ADDITIONAL SOIL COMPACTION OR GRAVEL OUTSIDE OF THE WIDTH SHOWN ABOVE TO ACCOMMODATE TRACTORS OR TRAILERS TRACKING OFF THE ACCESS ROAD.

| | | |
|---|---|---|
| Westwood | MINIMUM RADIUS FOR TURBINE ROADS | LAST REVISED: 01/02/08 RD02 |

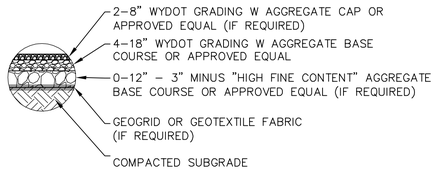



| | | |
|---|---|---|
| Westwood | MAXIMUM VERT. SLOPE FOR TURBINE ACCESS ROAD/CRANE TRAVEL PATH | LAST REVISED: 01/02/08 RD03 |

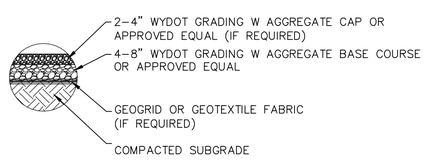



| | | |
|---|---|---|
| Westwood | MAXIMUM DEFLECTION FOR TURBINE ACCESS ROAD | LAST REVISED: 01/02/08 RD04 |

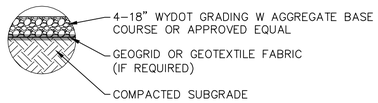
### ARTERIAL ROAD CROSS SECTION



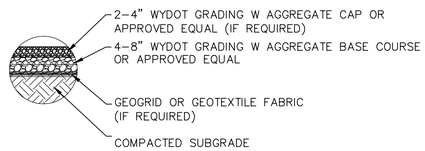

### TURBINE ROAD CROSS SECTION



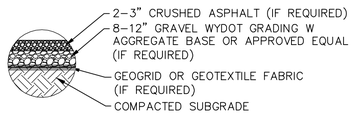

### POST–CONSTRUCTION TURBINE ROAD CROSS SECTION



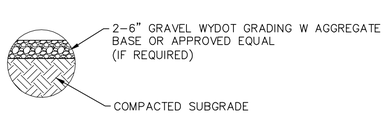

### FACILITY ACCESS ROAD CROSS SECTION




### LAYDOWN YARD CROSS SECTION



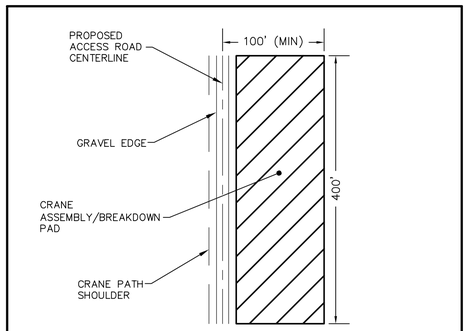

### STRUCTURE ROAD CROSS SECTION




**NOTES:**

1. ROAD SECTIONS TO BE VERIFIED WITH GEOTECHNICAL RECOMMENDATIONS FROM SPECIFIC WIND FARM GEOTECHNICAL EXPLORATIONS.
2. ROAD SECTIONS ARE BASED ON ENGINEER'S EXPERIENCE IN SIMILAR TERRAIN AND SOIL CONDITIONS AND ARE THE MINIMUM THICKNESS REQUIREMENTS DURING NORMAL FIELD CONDITIONS. THE SECTIONS MAY NEED TO BE INCREASED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION. CONDITIONS INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION DURING FREEZE/THAW CYCLE, UNUSUALLY WET PERIODS, OR IN LOW/WET AREAS.
3. ROAD SECTIONS ARE FOR CONSTRUCTION. THE AMOUNT OF GRAVEL REMAINING AFTER CONSTRUCTION IS COMPLETE WILL BE LESS THAN WHAT IS SHOWN IN THE SECTION.
4. LAYDOWN YARD SECTION SHOWN IS THE MINIMUM THICKNESS REQUIREMENTS DURING NORMAL FIELD CONDITIONS. THE SECTIONS MAY NEED TO BE INCREASED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME OF CONSTRUCTION.

| | | |
|---|---|---|
| Westwood | TYPICAL STRUCTURAL CROSS SECTIONS | LAST REVISED: 11/13/13 RD08 |




**NOTE:**

1. MAXIMUM SLOPE 1%
2. NO GRADE CHANGE WITHIN CRANE ASSEMBLY/BREAKDOWN AREA
3. WIDTH SHOULD BE INCREASED TO 125' IF TERRAIN ALLOWS

| | | |
|---|---|---|
| Westwood | CRANE ASSEMBLY/BREAKDOWN PAD | LAST REVISED: 12/11/13 RD10 |

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Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Road Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 13 OF 254

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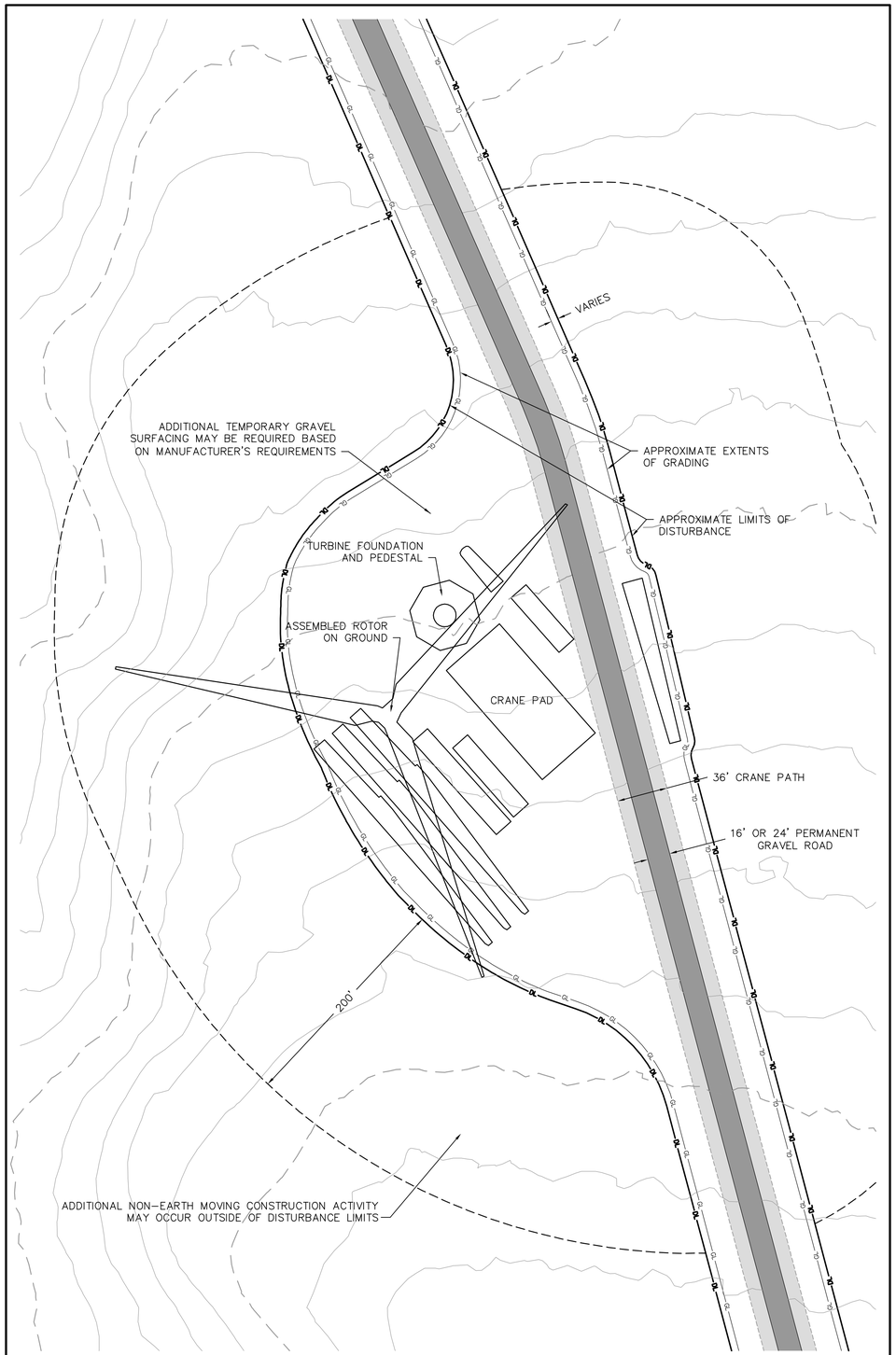
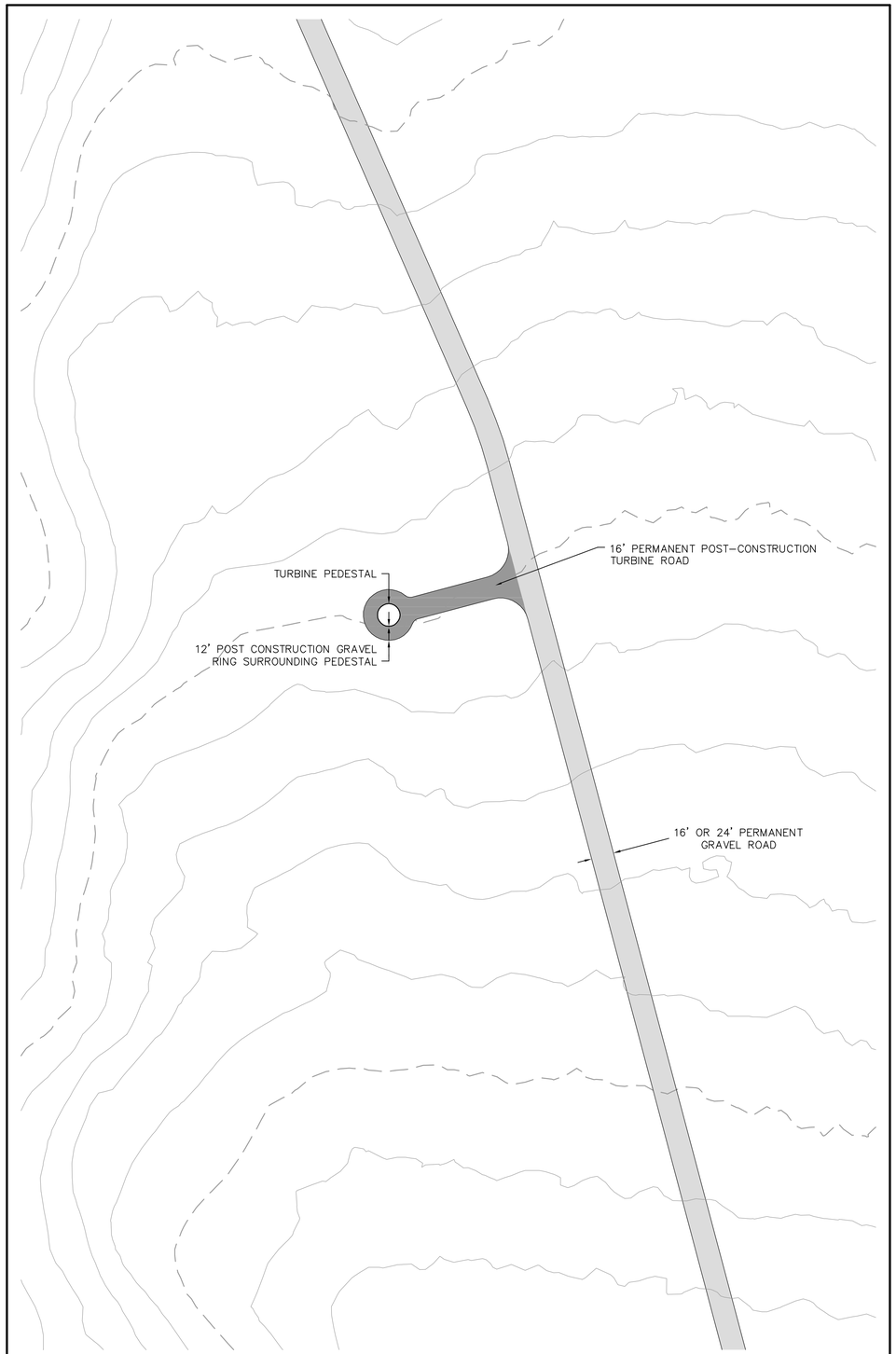



TYPICAL ADJACENT TURBINE SITE DURING CONSTRCUTION

LAST REVISED: 07/25/13

RD00-A




TYPICAL ADJACENT TURBINE SITE POST-CONSTRCUTION

LAST REVISED: 07/25/13

RD00-B

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Turbine Pad Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 14 OF 254

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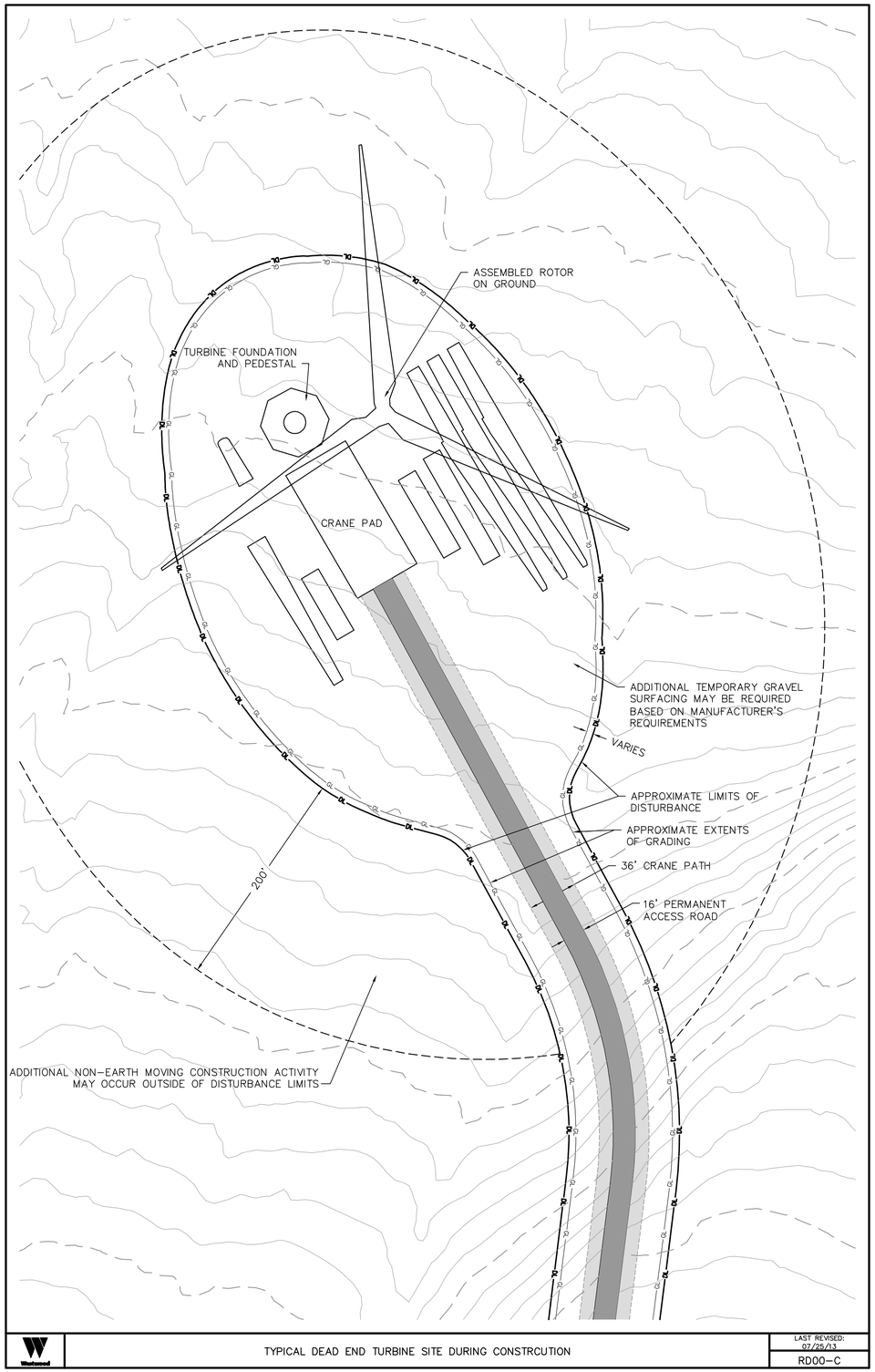
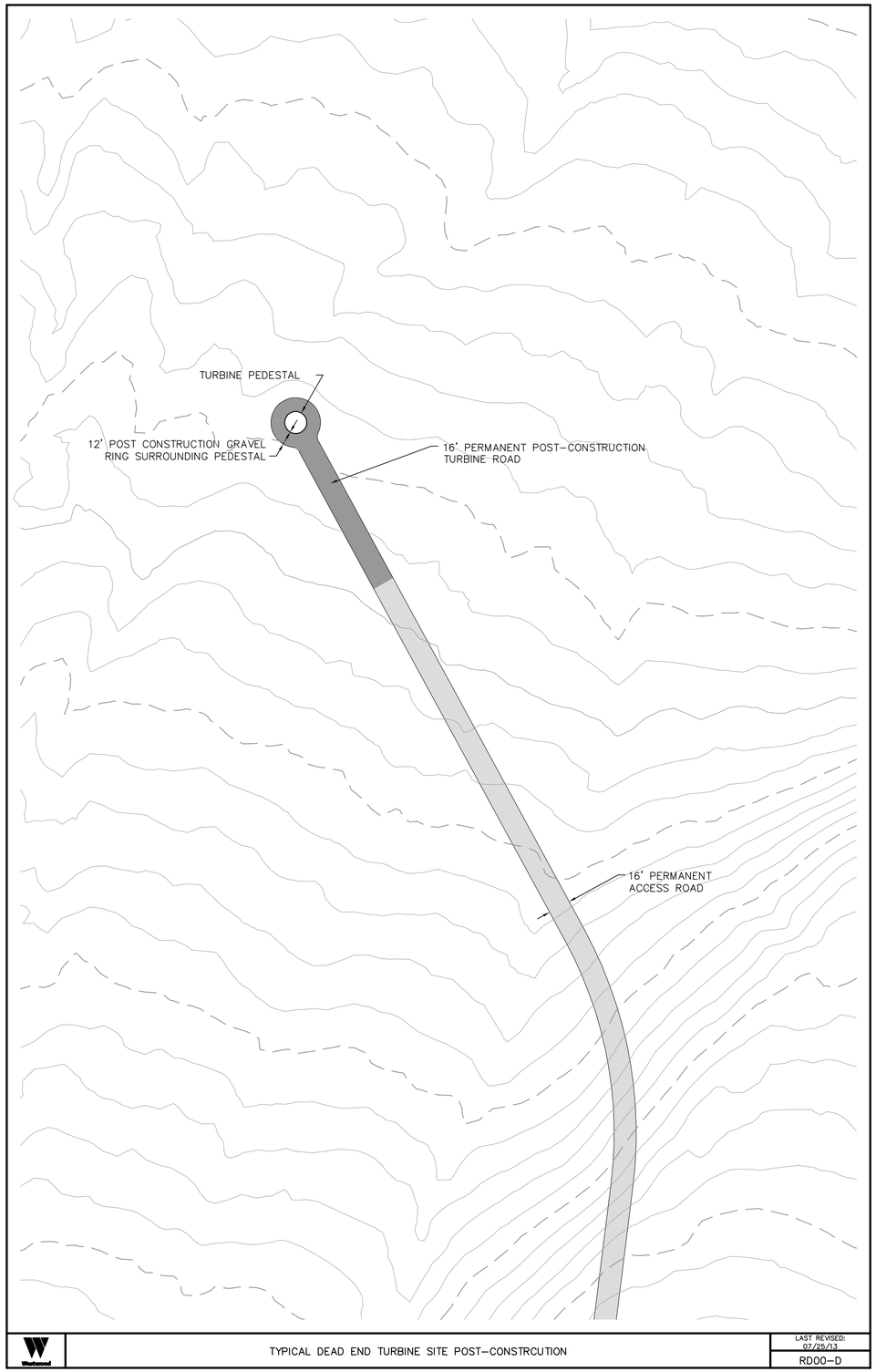



TYPICAL DEAD END TURBINE SITE DURING CONSTRCUTION

LAST REVISED: 07/25/13

RD00-C




TYPICAL DEAD END TURBINE SITE POST-CONSTRCUTION

LAST REVISED: 07/25/13

RD00-D

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| | | |
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| | | |
| | | |

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Turbine Pad Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15

Sheet: 15 OF 254

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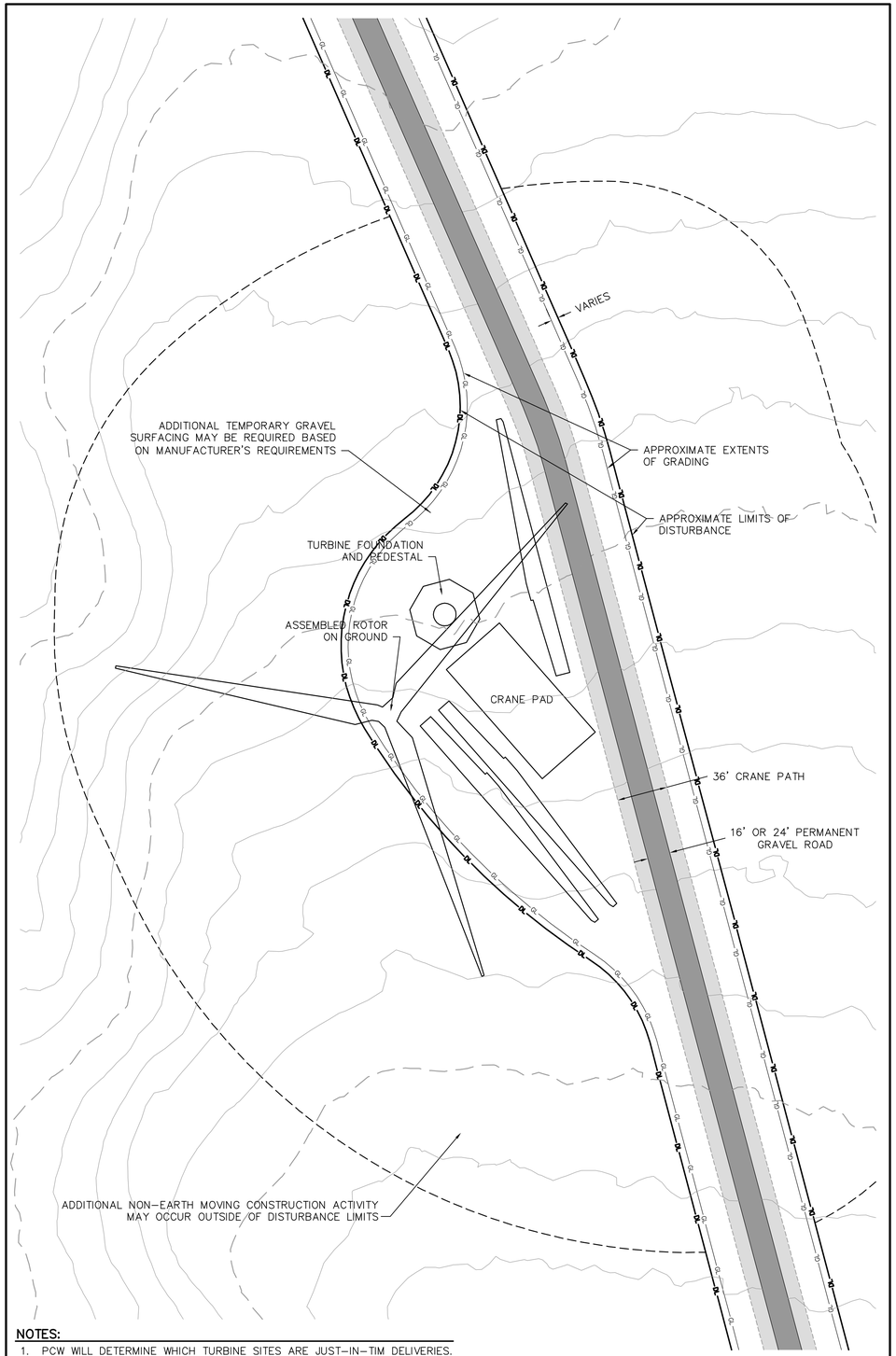


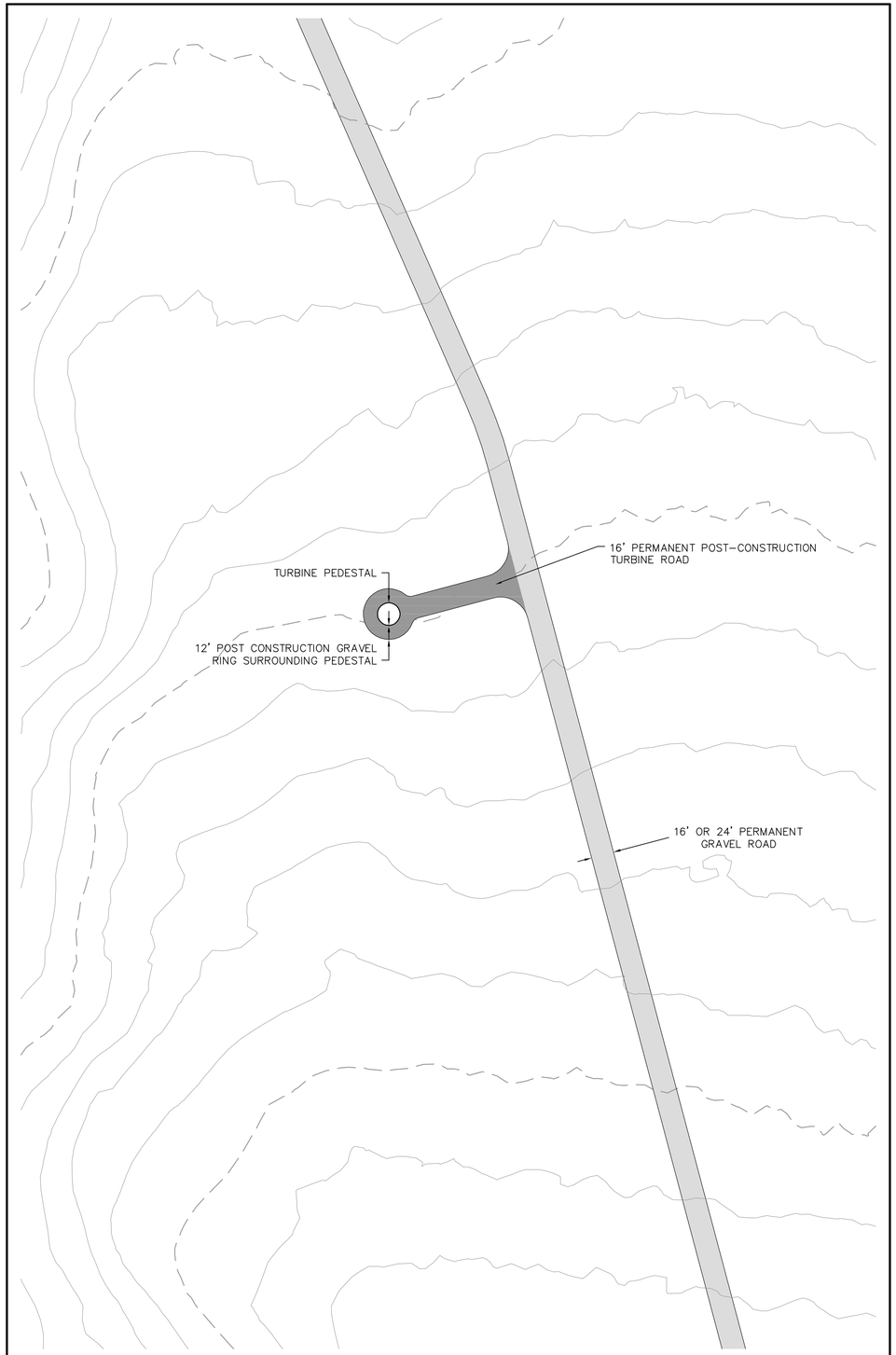

NOTES:

1. PCW WILL DETERMINE WHICH TURBINE SITES ARE JUST-IN-TIM DELIVERIES.

TYPICAL JUST-IN-TIME ADJACENT TURBINE SITE DURING CONSTRCUTION

LAST REVISED: 07/25/13

RD00-E




TYPICAL JUST-IN-TIME ADJACENT TURBINE SITE POST-CONSTRCUTION

LAST REVISED: 07/25/13

RD00-F

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Checked: RC/PC
Drawn: KM/TR
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Revisions:

| # | DATE | DESCRIPTION |
|---|---|---|
| | | |

Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Turbine Pad Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 16 OF 254

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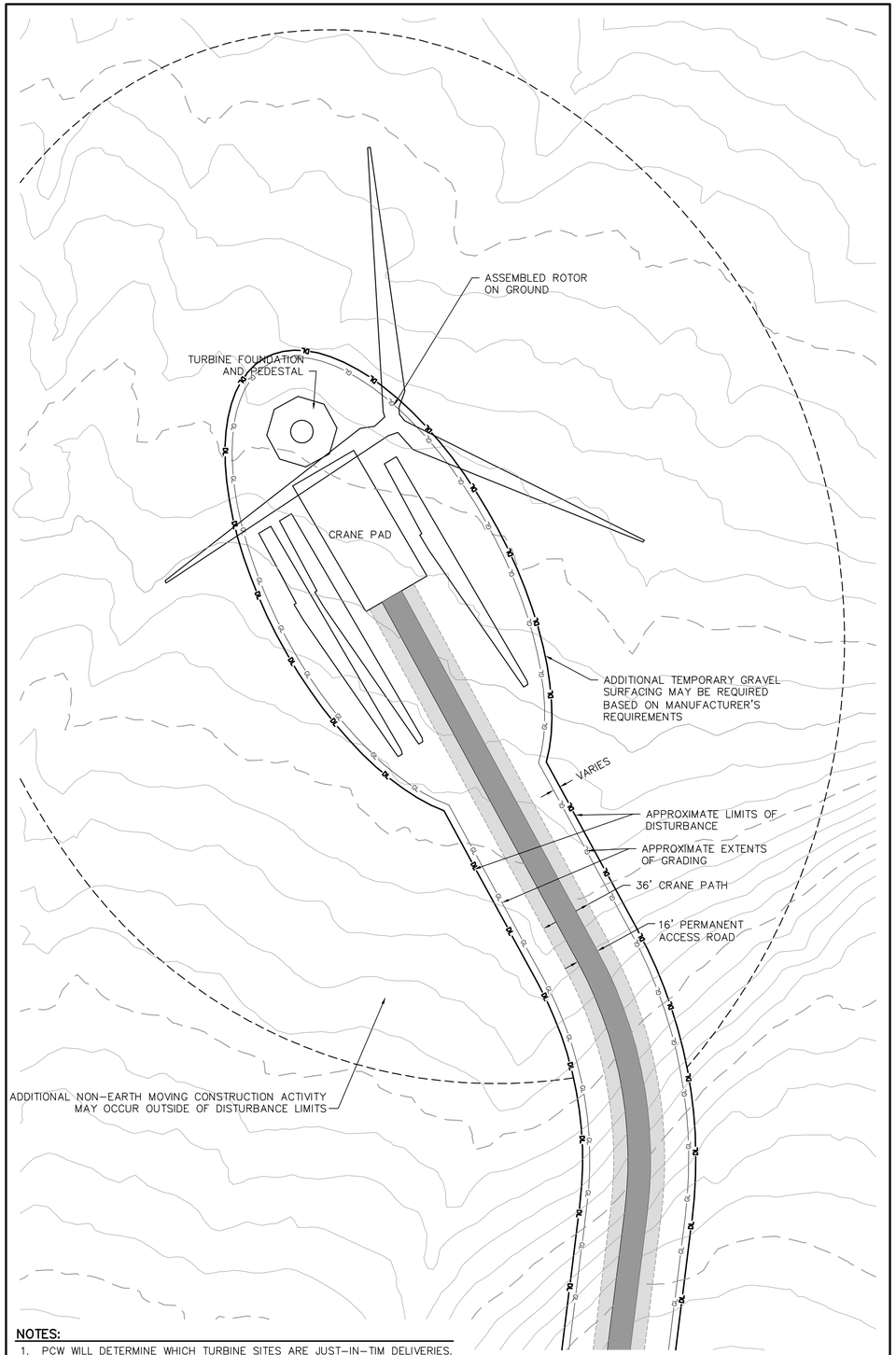


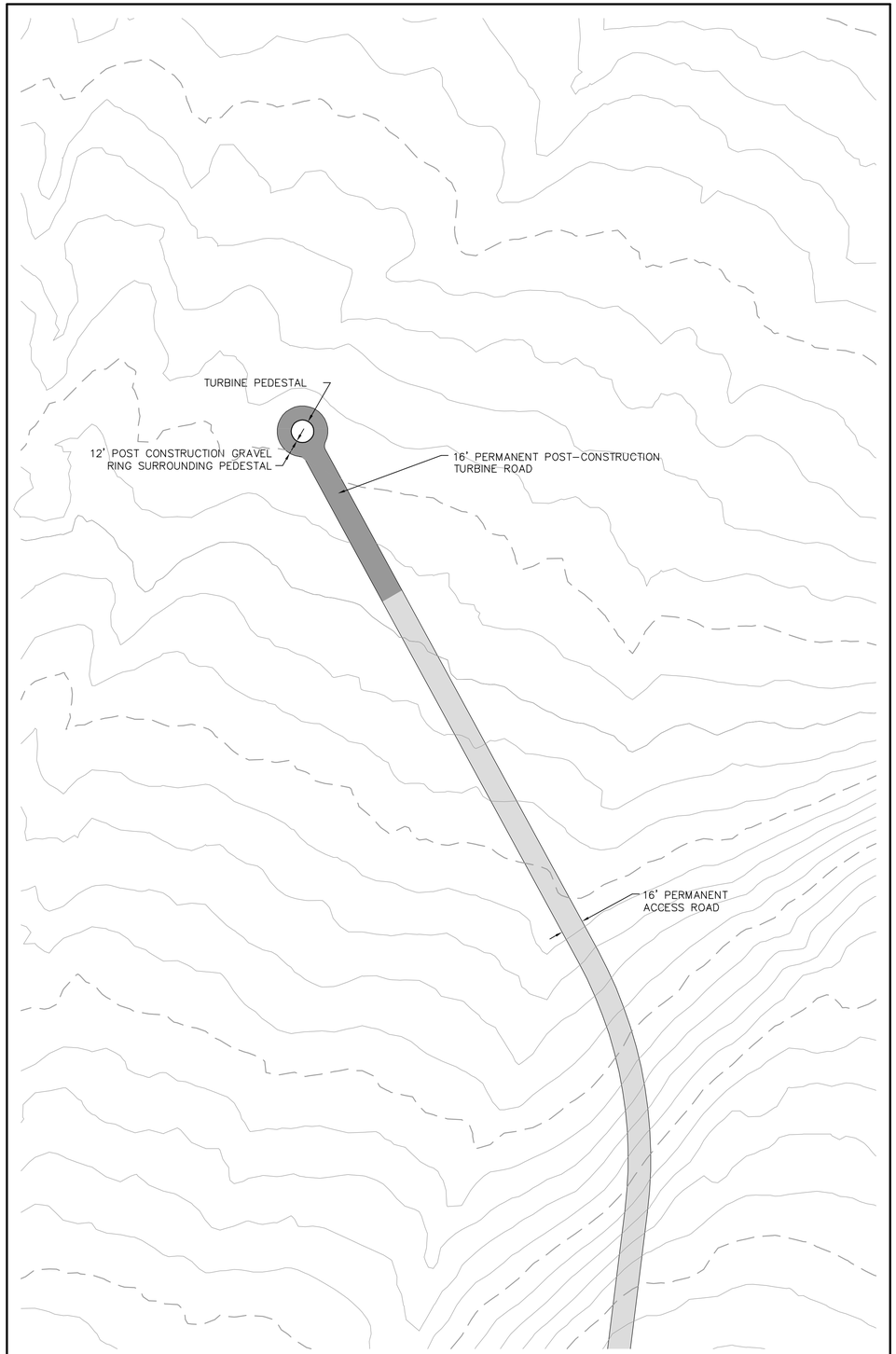

NOTES:

1. PCW WILL DETERMINE WHICH TURBINE SITES ARE JUST-IN-TIM DELIVERIES.

TYPICAL JUST-IN-TIME DEAD END TURBINE SITE DURING CONSTRCUTION

LAST REVISED: 07/25/13

RD00-G




TYPICAL JUST-IN-TIME DEAD END TURBINE SITE POST-CONSTRCUTION

LAST REVISED: 07/25/13

RD00-H

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Prepared for:

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Turbine Pad Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 17 OF 254

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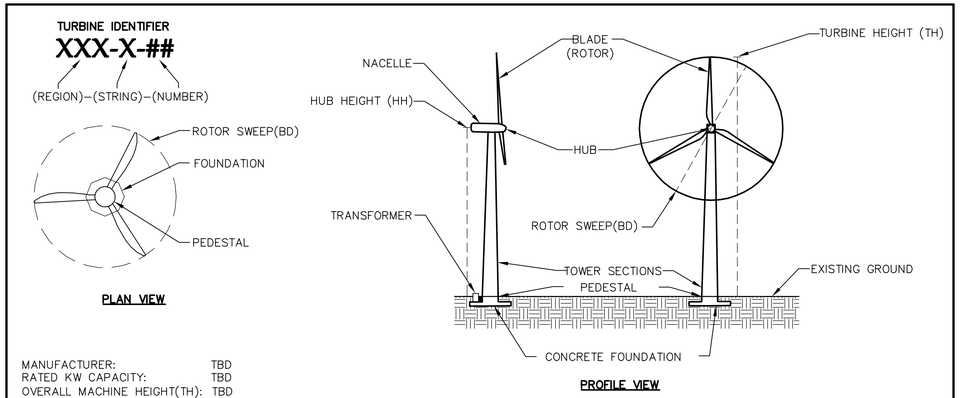
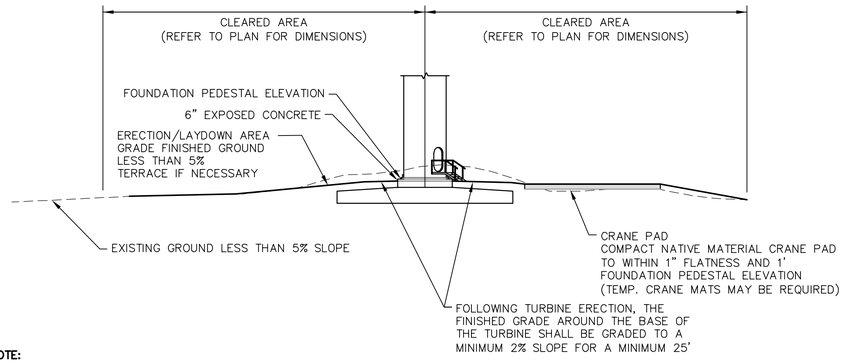



| | |
|---|---|
| MANUFACTURER: | TBD |
| RATED KW CAPACITY: | TBD |
| OVERALL MACHINE HEIGHT(TH): | TBD |
| TOTAL BLADE DIAMETER(BD): | TBD |
| HUB HEIGHT(HH): | TBD |

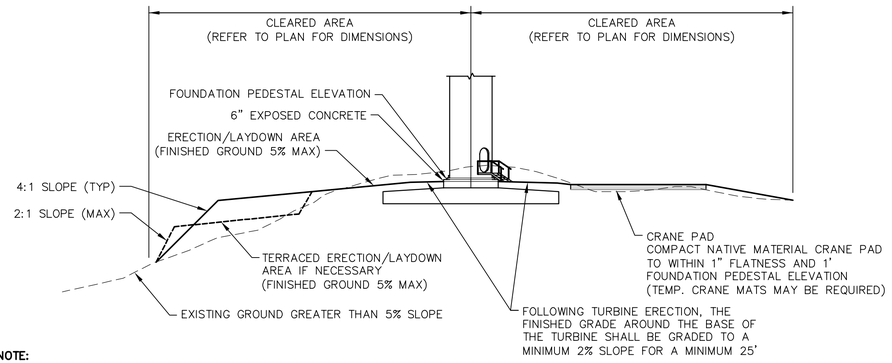
TYPICAL TURBINE DETAIL — LAST REVISED: 05/07/13 — TB01




**NOTE:**

1. CLEARED AREA TO BE MINIMIZED AS PRACTICAL FOR CONSTRUCTION ACTIVITIES.
2. ADDITIONAL TEMPORARY GRAVEL SURFACING MAY BE REQUIRED BASED ON MANUFACTURER'S REQUIREMENTS.

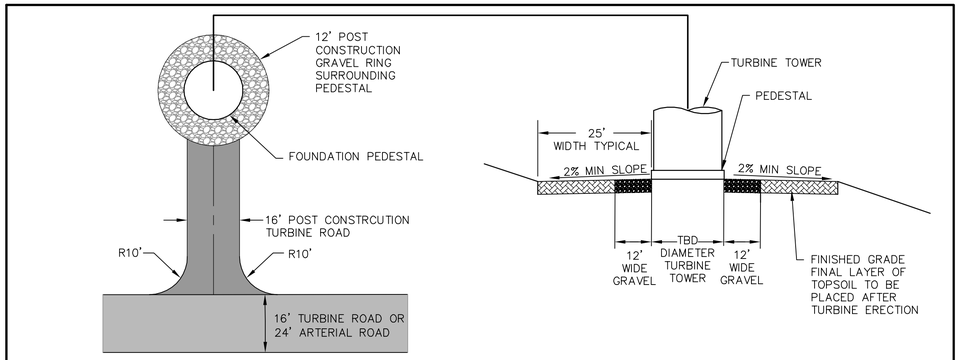
TYPICAL WTG SITE – PROFILE VIEW — LAST REVISED: 04/08/09 — TS03




**NOTE:**

1. CLEARED AREA TO BE MINIMIZED AS PRACTICAL FOR CONSTRUCTION ACTIVITIES.
2. TERRACING WILL BE DETERMINED BY CONTRACTOR.
3. ADDITIONAL TEMPORARY GRAVEL SURFACING MAY BE REQUIRED BASED ON MANUFACTURER'S REQUIREMENTS.

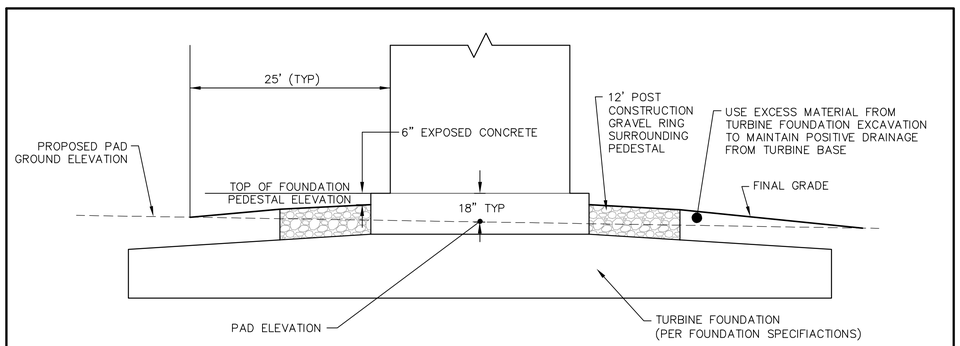
TYPICAL WTG SITE, EXISTING GROUND GREATER THAN 5% – PROFILE VIEW — LAST REVISED: 12/27/13 — TS04




**NOTES:**

1. GRADE FINAL GROUND AROUND THE BASE OF THE TURBINE TO A MINIMUM 2% SLOPE FOR 25' (TYPICAL) TO PROVIDE DRAINAGE AWAY FROM TURBINE BASE.
2. GRAVEL RING SHALL BE 12' WIDE AROUND DEAD END TURBINES.

TYPICAL POST–CONSTRUCTION WIND TURBINE GENERATOR SITE — LAST REVISED: 12/10/09 — TS09




**NOTE:**

1. CONTRACTOR SHALL SET THE TOP OF FOUNDATION PEDESTAL 18" (TYPICAL) ABOVE PROPOSED PAD GROUND ELEVATION AS REQUIRED TO MAINTAIN DRAINAGE AWAY FROM TURBINE BASE.
2. FINAL GROUND AROUND THE BASE OF THE TURBINE SHALL BE GRADED TO A MINIMUM 2% SLOPE FOR A MINIMUM OF 25'.

TYPICAL FOUNDATION PEDESTAL ELEVATION — LAST REVISED: 03/22/13 — TS15

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Prepared for:

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Turbine Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15

Sheet: 18 OF 254

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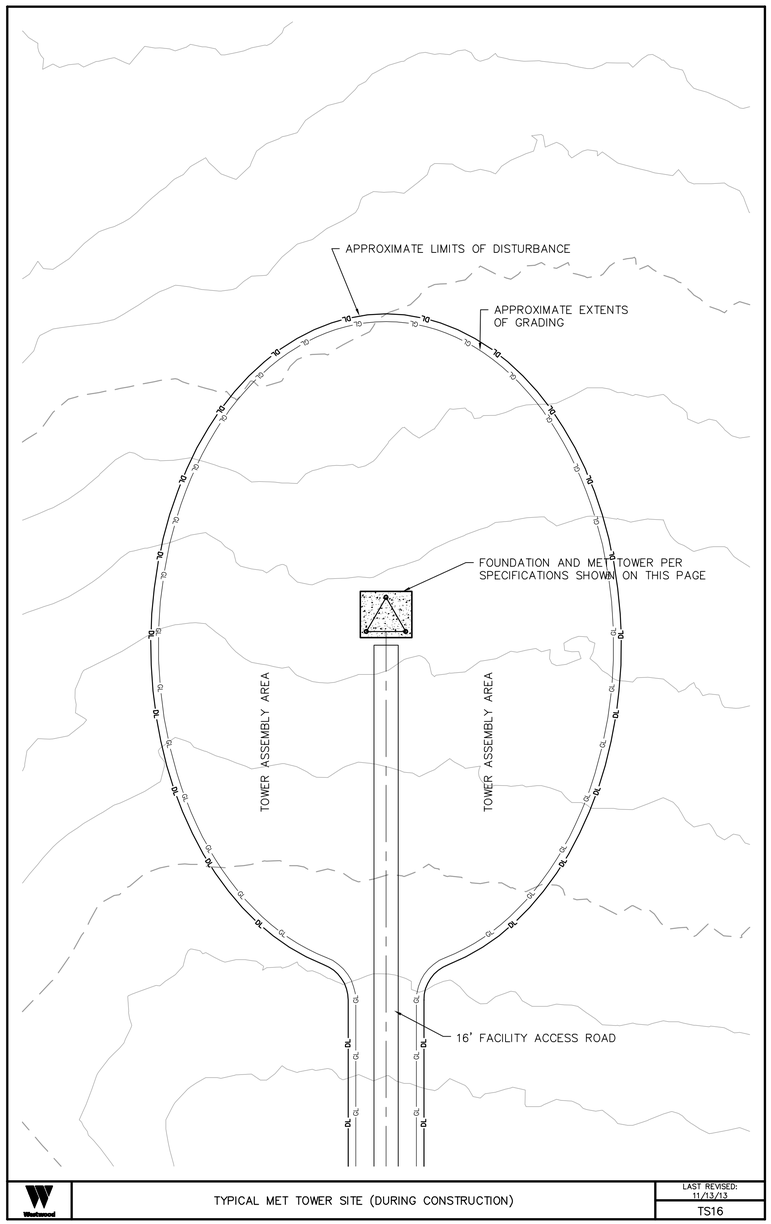
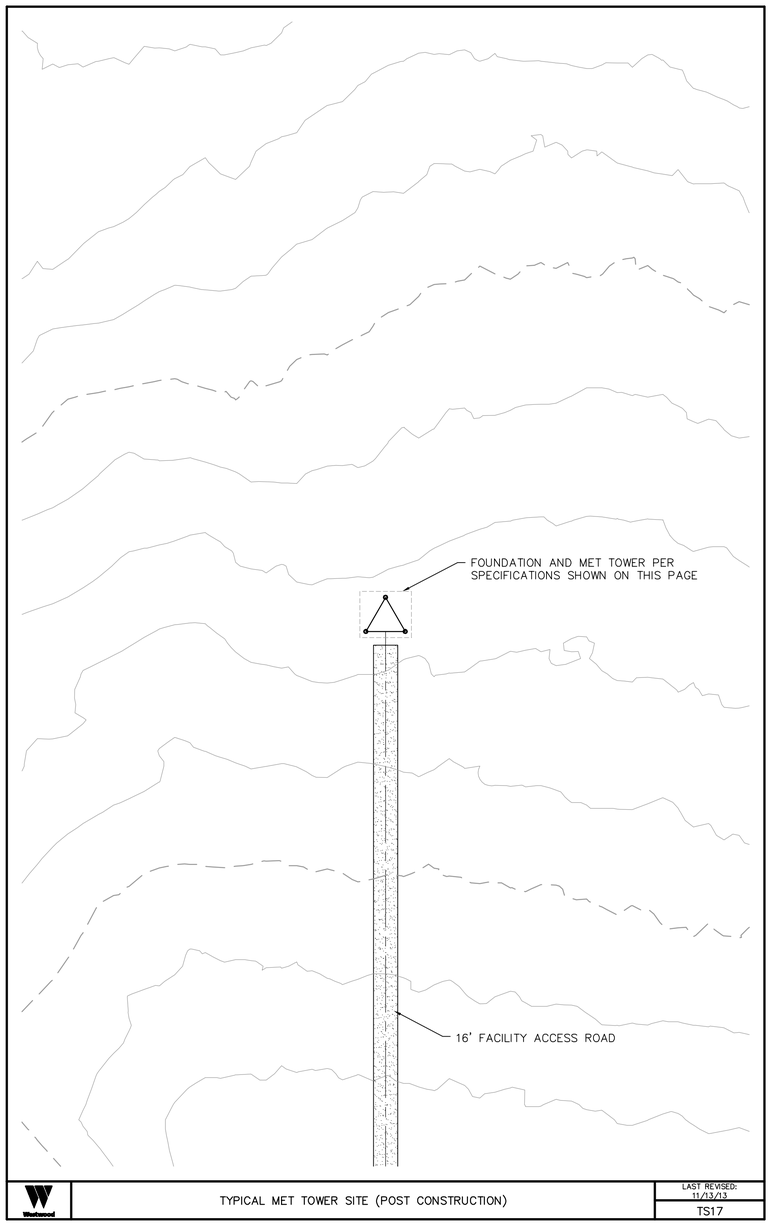



TYPICAL MET TOWER SITE (DURING CONSTRUCTION)

LAST REVISED: 11/13/13

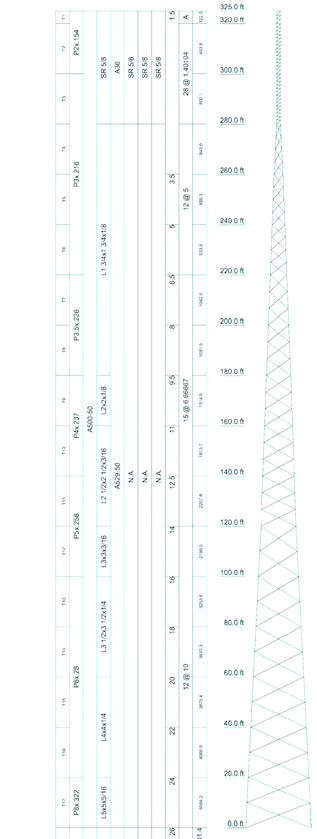
TS16

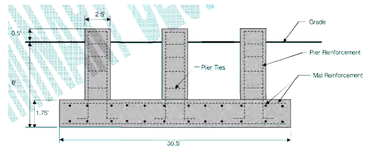


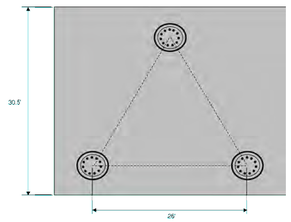

TYPICAL MET TOWER SITE (POST CONSTRUCTION)

LAST REVISED: 11/13/13

TS17




TOWER & FOUNDATION DESIGN PROVIDED BY:

| | |
|---|---|
| *Nello Corporation*<br>211 W. Washington Street, Suite 2000<br>South Bend, IN 46601-1705<br>Phone: (574)288-3632<br>FAX: (574)288-5860 | RFQ50164<br>Project:<br>Client: AWS Truewind Drawn by: Nello Corporation Appvd:<br>Code: TIA-222-G Date: 11/08/13 Scale: NTS<br>Path: Dwg No: E-1 |

DESIGNS PROVIDED ARE PRELIMINARY AND SUBJECT TO CHANGE. REFER TO FINAL PLANS FOR CONSTRUCTION INFORMATION.

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Met Tower Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15

Sheet: 19 OF 254

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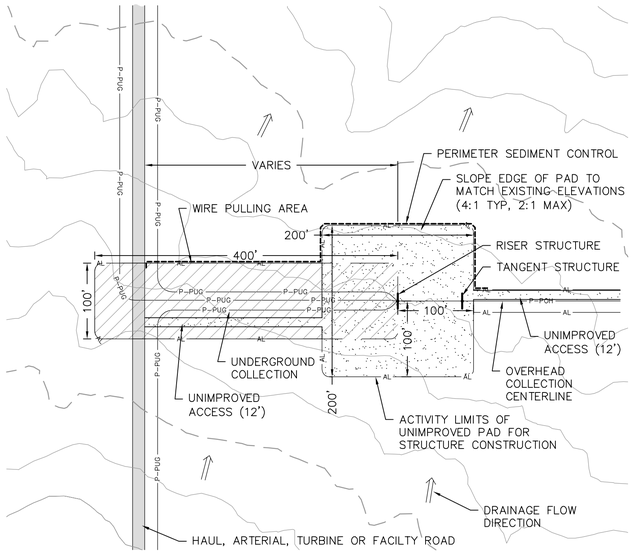
## OVERHEAD COLLECTION STRUCTURE NOTES:

1. REFER TO ROAD DETAILS FOR TYPICAL GRADING ALONG STRUCTURE ROADS.
2. WIRE PULLING AREA CONSISTS OF NON-EARTH MOVING CONSTRUCTION ACTIVITY.
3. SINGLE CIRCUIT SHOWN ON DETAIL. ADDITIONAL PARALLEL LINES MAY BE ADDED.
4. STRUCTURE PROXIMITY TO ROADS WILL VARY.
5. UNIMPROVED ACCESS TO STRUCTURES AND STRINGING ACCESS ALONG LINE MAY NOT ALWAYS BE FEASIBLE. LONGER ROUTES ARE PROVIDED WHERE NECESSARY FOR STRINGING. STRINGING ACCESS NOT PROVIDED BETWEEN EVERY STRUCTURE.
6. UNIMPROVED PAD AND ACCESS ROADS MAY REQUIRE MATTING AND/OR GRAVEL DURING CONSTRUCTION.
7. GUY WIRE PLACEMENT VARIES FROM STRUCTURE TO STRUCTURE.
8. EXISTING PAD VEGETATION TO REMAIN WITHIN UNIMPROVED ACCESS ROADS AND UNIMPROVED PADS FOR STRUCTURE CONSTRUCTION. CONSTRUCTION EQUIPMENT TO "DRIVE & CRUSH" PAD VEGETATION. EXCAVATION FOR STRUCTURE FOUNDATION ONLY.
9. PERIMETER SEDIMENT CONTROL ALONG UNIMPROVED ACCESS ROADS AND DOWNGRADE OF DISTURBED LIMIT SHALL BE APPLIED AS NECESSARY IN CLOSE PROXIMITY TO WATERWAYS OR CONVEYANCES, PER PROJECT SWPPP.
10. DRAINAGE DIRECTION & PLACEMENT OF PERIMETER SEDIMENT/EROSION CONTROL BMP'S WILL VARY.
11. DISTURBED AREAS TO BE RESTORED AS NECESSARY PER SWPPP GUIDANCE AND/OR WYPDES PERMIT REQUIREMENTS.
12. SEDIMENT CONTROL BMP PLACEMENT MAY BE DEPENDENT ON PROXIMITY TO SURFACE WATERS AND CONVEYANCES OR INSPECTOR DISCRETION.

## OVERHEAD TRANSMISSION STRUCTURE NOTES:

1. REFER TO ROAD DETAILS FOR TYPICAL GRADING ALONG ROADS.
2. WIRE PULLING AREA CONSISTS OF NON-EARTH MOVING CONSTRUCTION ACTIVITY.
3. SINGLE CIRCUIT SHOWN ON DETAIL. ADDITIONAL PARALLEL LINES MAY BE ADDED.
4. STRUCTURE PROXIMITY TO ROADS WILL VARY.
5. STRUCTURE ROAD PROVIDED TO ALL STRUCTURES BUT NECESSARILY ALONG EVERY LINE FOR STRINGING. STRINGING ACCESS NOT PROVIDED BETWEEN MOST STRUCTURES.
6. UNIMPROVED PAD AND ACCESS ROADS MAY REQUIRE MATTING AND/OR GRAVEL DURING CONSTRUCTION.
7. GUY WIRE PLACEMENT VARIES FROM STRUCTURE TO STRUCTURE.
8. EXISTING PAD VEGETATION TO REMAIN WITHIN UNIMPROVED PADS FOR STRUCTURE CONSTRUCTION. CONSTRUCTION EQUIPMENT TO "DRIVE AND CRUSH" PAD VEGETATION. EXCAVATION FOR STRUCTURE FOUNDATION ONLY.
9. PERIMETER SEDIMENT CONTROL ALONG ACCESS ROADS AND DOWNGRADE OF DISTURBED LIMIT SHALL BE APPLIED AS NECESSARY IN CLOSE PROXIMITY TO WATERWAYS OR CONVEYANCES, PER PROJECT SWPPP.
10. DRAINAGE DIRECTION & PLACEMENT OF PERIMETER SEDIMENT/EROSION CONTROL BMP'S WILL VARY.
11. DISTURBED AREAS TO BE RESTORED AS NECESSARY PER SWPPP GUIDANCE AND/OR WYPDES PERMIT REQUIREMENTS.
12. SEDIMENT CONTROL BMP PLACEMENT MAY BE DEPENDENT ON PROXIMITY TO SURFACE WATERS AND CONVEYANCES OR INSPECTOR DISCRETION.

| STRUCTURE NOTES | LAST REVISED: 02/26/14 |
|---|---|
| | EL00 |




REFER TO DETAIL EL00 FOR NOTES.

| OVERHEAD COLLECTION RISER STRUCTURE DURING CONSTRUCTION | LAST REVISED: 02/26/14 |
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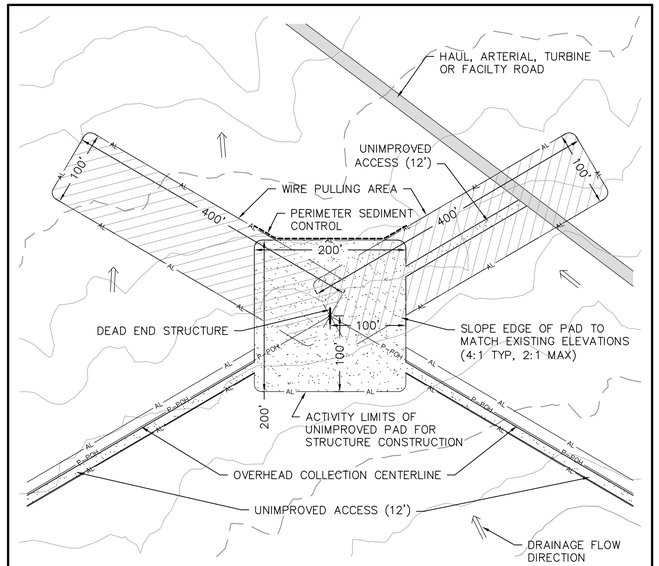


REFER TO DETAIL EL00 FOR NOTES.

| OVERHEAD COLLECTION DEAD END ANGLE STRUCTURE DURING CONSTRUCTION | LAST REVISED: 02/26/14 |
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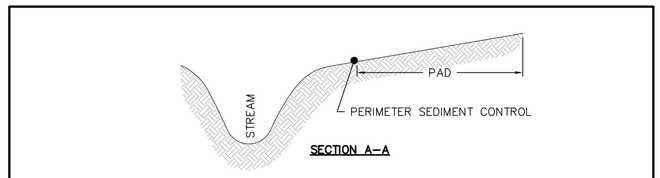
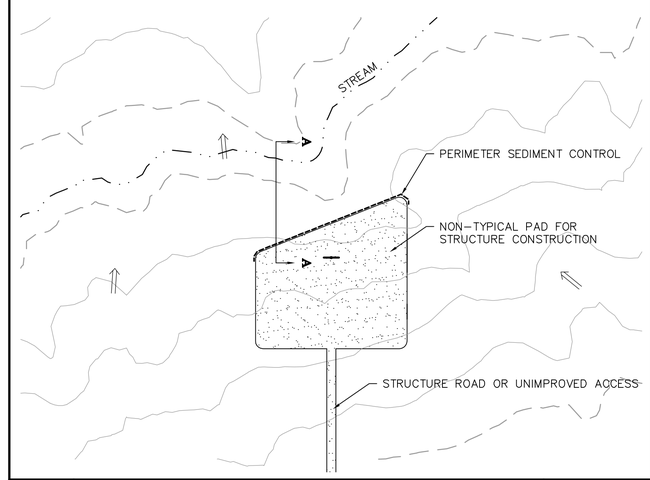



SECTION A-A




| TYPICAL PERIMETER SEDIMENT CONTROL FOR OVERHEAD COLLECTION AND TRANSMISSION LINE | LAST REVISED: 03/25/14 |
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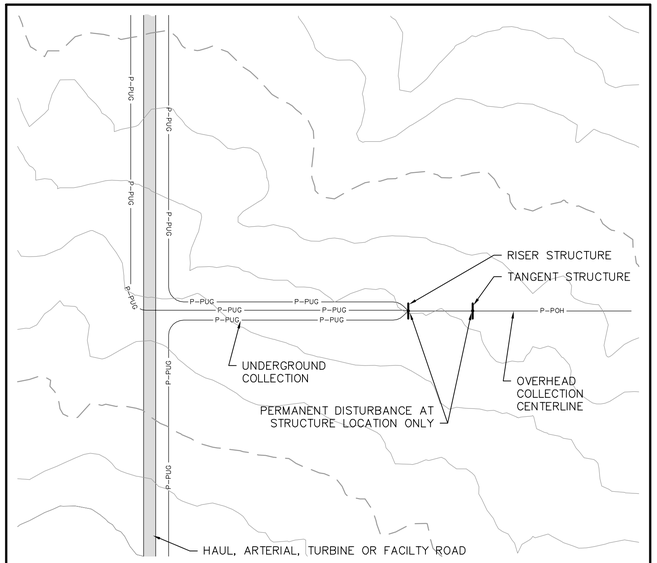
| | EL10 |




REFER TO DETAIL EL00 FOR NOTES.

| OVERHEAD COLLECTION RISER STRUCTURE POST-CONSTRUCTION | LAST REVISED: 02/26/14 |
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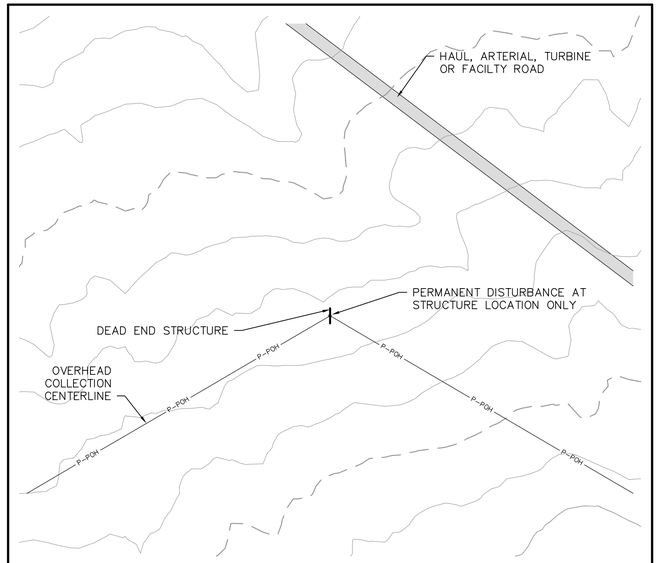


REFER TO DETAIL EL00 FOR NOTES.

| OVERHEAD COLLECTION DEAD END ANGLE STRUCTURE POST-CONSTRUCTION | LAST REVISED: 02/26/14 |
|---|---|
| | EL02B |

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Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Electrical Pad Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 20 OF 254

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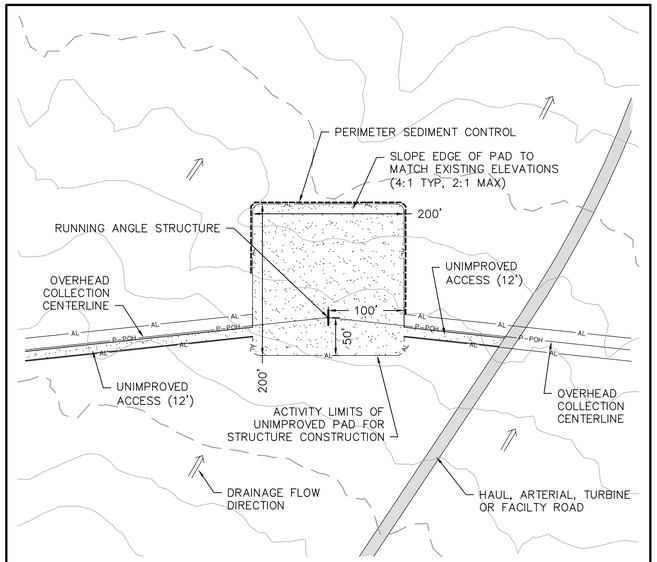


REFER TO DETAIL EL00 FOR NOTES.

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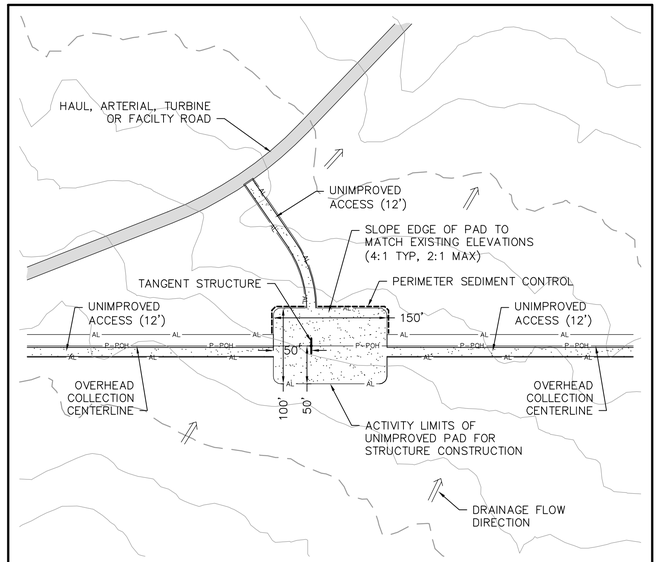
| Westwood | OVERHEAD COLLECTION RUNNING ANGLE STRUCTURE DURING CONSTRUCTION | LAST REVISED: 02/26/14 EL03A |




REFER TO DETAIL EL00 FOR NOTES.

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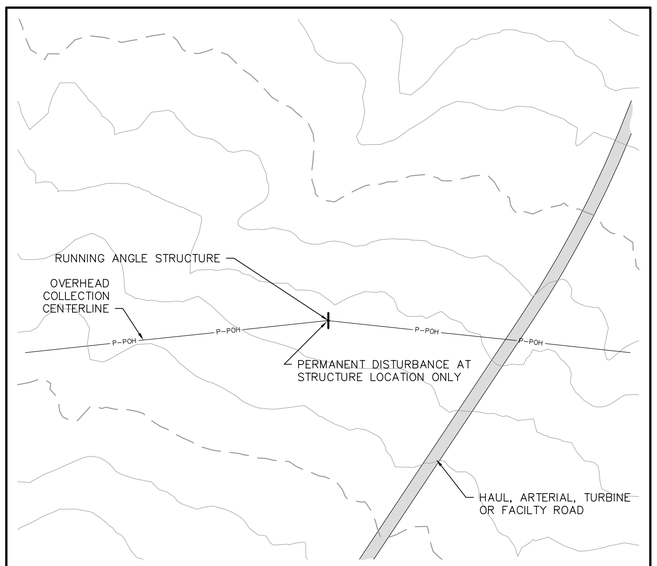
|---|---|---|
| Westwood | OVERHEAD COLLECTION TANGENT STRUCTURE DURING CONSTRUCTION | LAST REVISED: 02/26/14 EL04A |




REFER TO DETAIL EL00 FOR NOTES.

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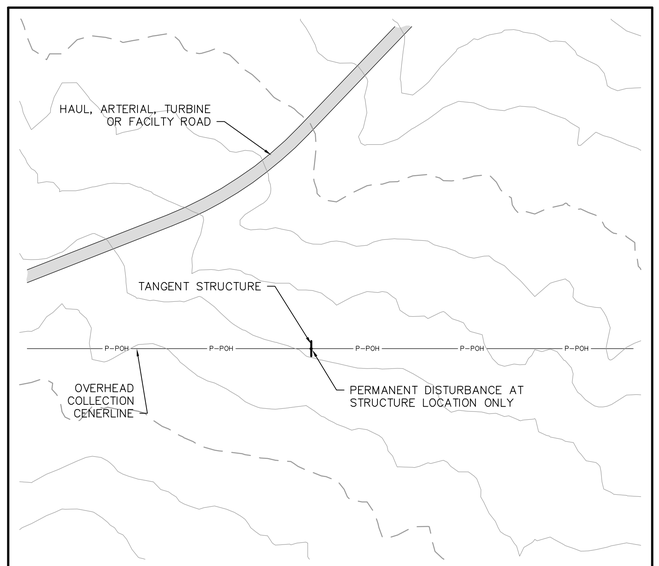
| Westwood | OVERHEAD COLLECTION RUNNING ANGLE STRUCTURE POST-CONSTRUCTION | LAST REVISED: 02/26/14 EL03B |




REFER TO DETAIL EL00 FOR NOTES.

| | | |
|---|---|---|
| Westwood | OVERHEAD COLLECTION TANGENT STRUCTURE POST-CONSTRUCTION | LAST REVISED: 02/26/14 EL04B |

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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Electrical Pad Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 21 OF 254

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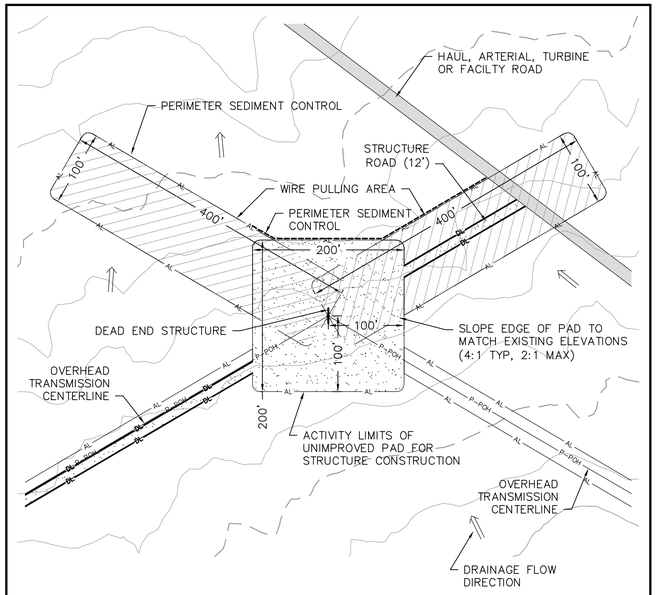


REFER TO DETAIL EL00 FOR NOTES.

| | TRANSMISSION LINE DEAD END ANGLE STRUCTURE DURING CONSTRUCTION | LAST REVISED: 02/26/14 EL05A |
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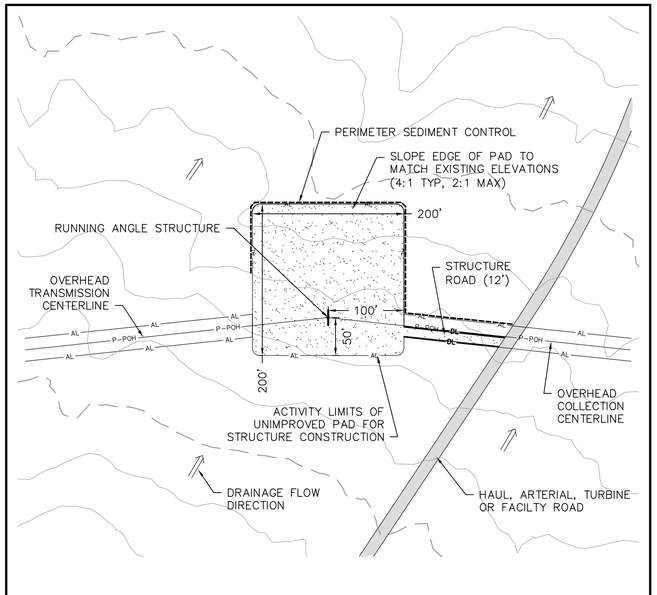


REFER TO DETAIL EL00 FOR NOTES.

| | TRANSMISSION LINE RUNNING ANGLE STRUCTURE DURING CONSTRUCTION | LAST REVISED: 02/26/14 EL06A |
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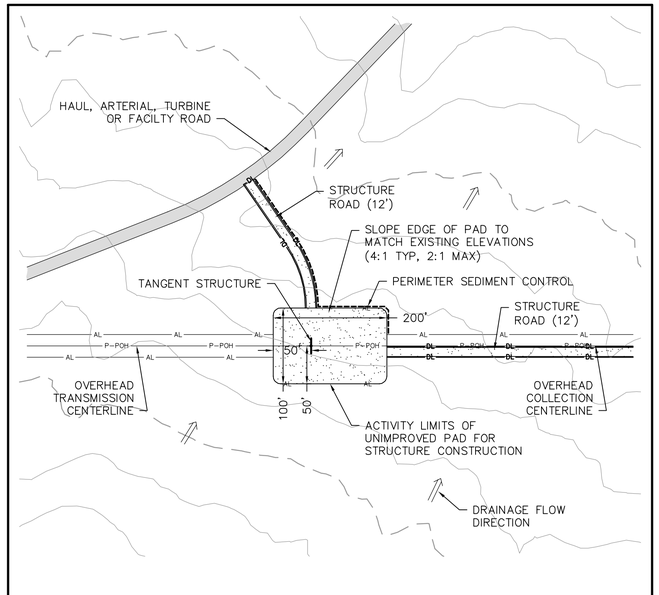


REFER TO DETAIL EL00 FOR NOTES.

| | TRANSMISSION LINE TANGENT STRUCTURE DURING CONSTRUCTION | LAST REVISED: 02/26/14 EL07A |
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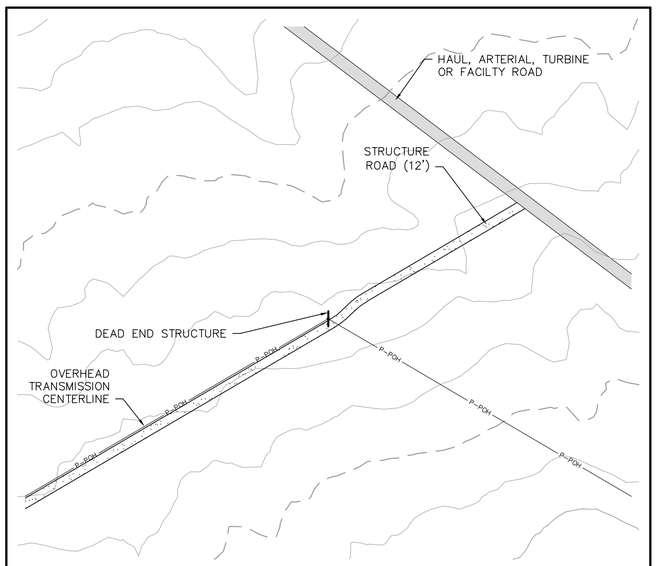


REFER TO DETAIL EL00 FOR NOTES.

| | TRANSMISSION LINE DEAD END ANGLE STRUCTURE POST-CONSTRUCTION | LAST REVISED: 02/26/14 EL05B |
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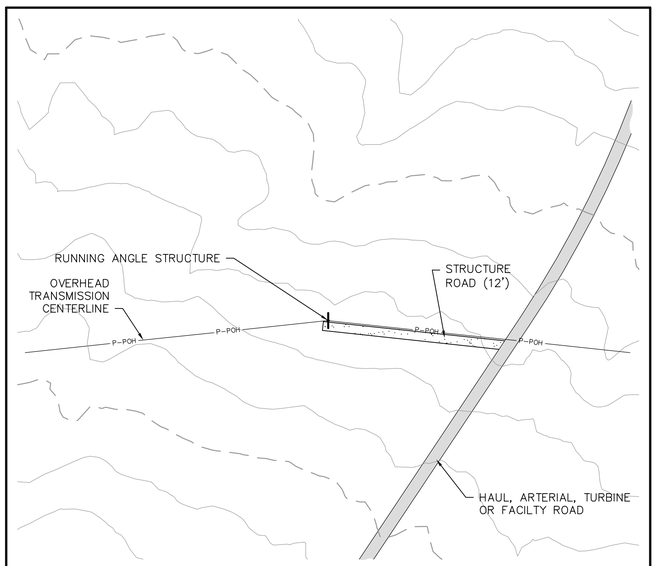


REFER TO DETAIL EL00 FOR NOTES.

| | TRANSMISSION LINE RUNNING ANGLE STRUCTURE POST-CONSTRUCTION | LAST REVISED: 02/26/14 EL06B |
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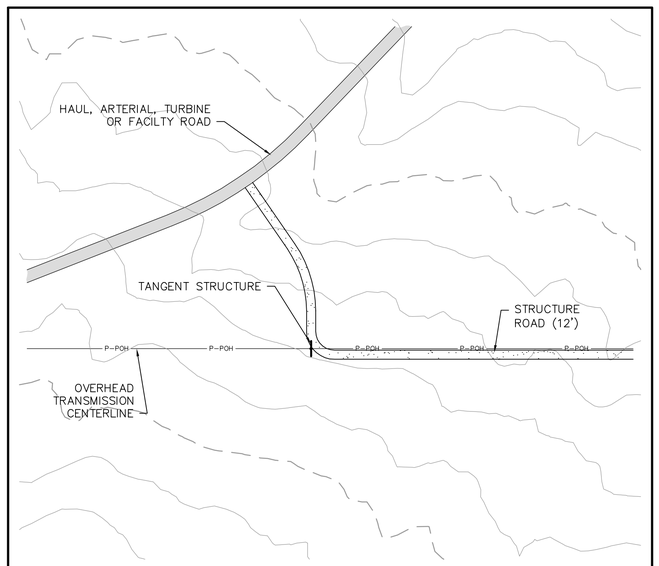


REFER TO DETAIL EL00 FOR NOTES.

| | TRANSMISSION LINE TANGENT STRUCTURE POST-CONSTRUCTION | LAST REVISED: 02/26/14 EL07B |
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# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Electrical Pad Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 22 OF 254

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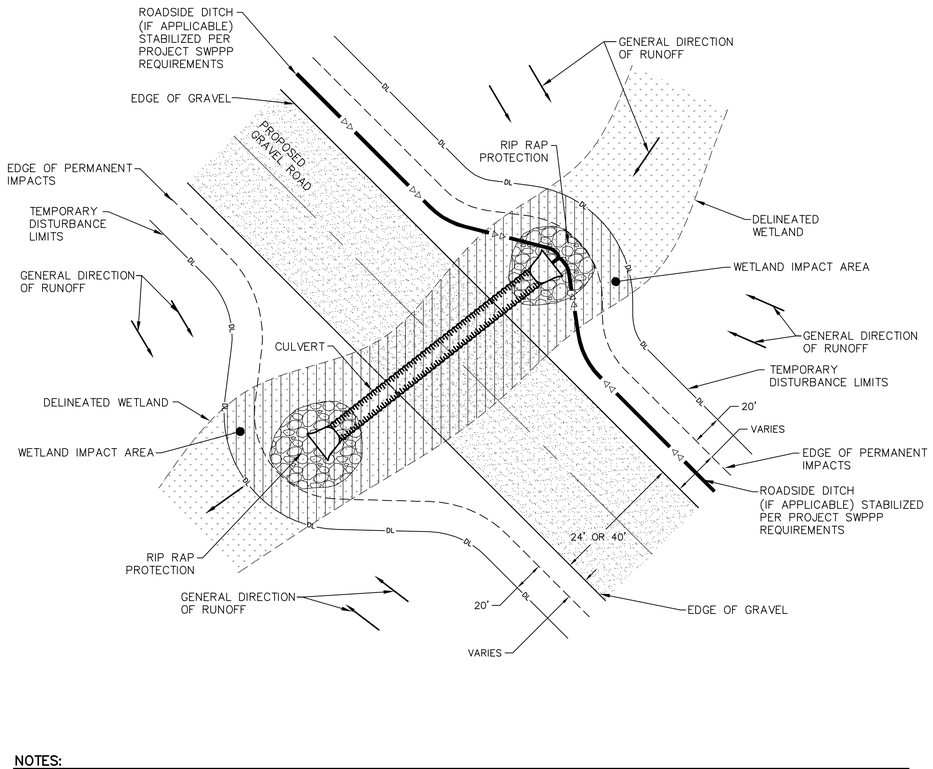


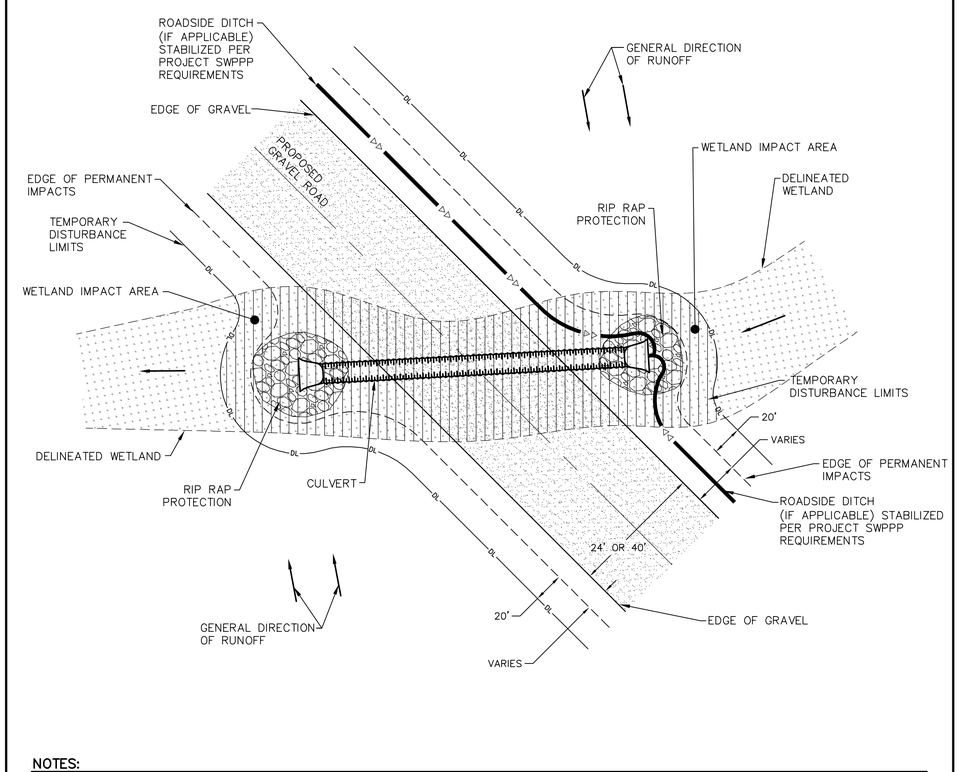

**NOTES:**

1. CULVERT INSTALLATION SHALL CONFORM WITH MANUFACTURERS RECOMMENDATION FOR INSTALLATION.
2. MINIMIZE DISTURBANCE TO THE WETLAND DURING CULVERT INSTALLATION.
3. REFER TO CCSM PROJECT SWPPP FOR ADDITIONAL INFORMATION PRACTICES.
4. ALL RUNOFF DRAINING TO THE THE WETLAND MUST NOT TRANSPORT SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES.
5. THE AREA AND SHAPE OF EACH WETLAND IMPACT WILL VARY.
6. CULVERT WILL BE SIZED SUFFICIENTLY AND NOT ADVERSELY IMPACT THE DRAINAGE OF THE WETLAND.

TYPICAL TRANSPORTATION WETLAND CROSSING – PLAN VIEW

LAST REVISED: 01/25/13

RD10




**NOTES:**

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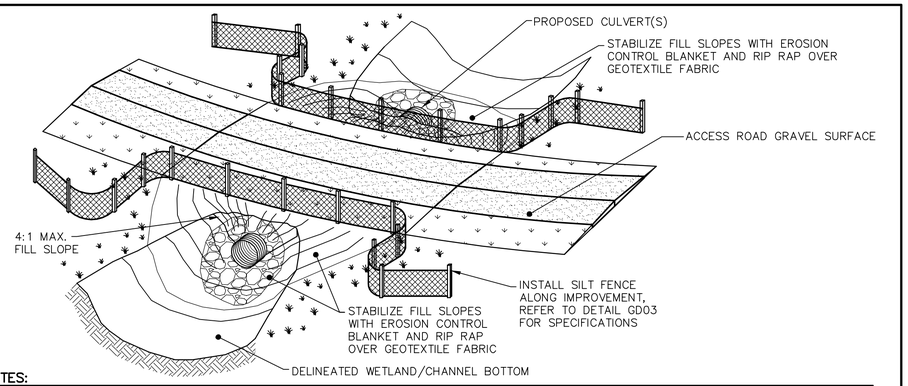
4. ALL RUNOFF DRAINING TO THE THE WETLAND MUST NOT TRANSPORT SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES.
5. THE AREA AND SHAPE OF EACH WETLAND IMPACT WILL VARY.
6. CULVERT WILL BE SIZED SUFFICIENTLY AND NOT ADVERSELY IMPACT THE DRAINAGE OF THE WETLAND.

ATYPICAL TRANSPORTATION WETLAND CROSSING – PLAN VIEW

LAST REVISED: 01/25/13

RD10A



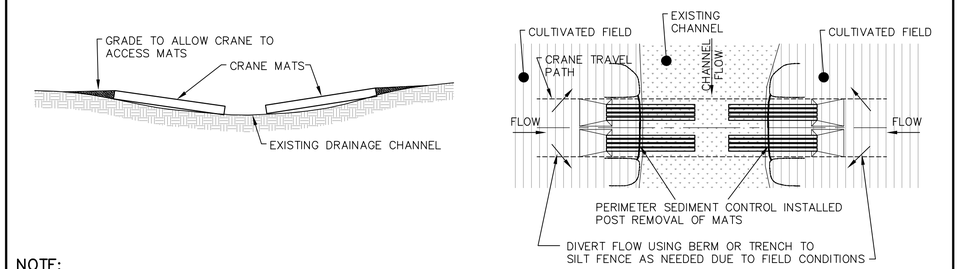

**NOTES:**

1. CULVERT INSTALLATION SHALL CONFORM WITH MANUFACTURERS RECOMMENDATION FOR INSTALLATION.
2. MINIMIZE DISTURBANCE TO THE WETLAND DURING CULVERT INSTALLATION.
3. REFER TO CCSM PROJECT SWPPP FOR ADDITIONAL INFORMATION AND PRACTICES.

TYPICAL TRANSPORTATION WETLAND CROSSING – CULVERT WITH RIP RAP

LAST REVISED: 01/25/13

RD11




**NOTE:**

1. CRANE MATS SHALL BE SPACED TO ALLOW EXISTING DRAINAGE TO FLOW THROUGH CHANNEL.
2. ALL WORK SHALL BE DONE DURING DRY CONDITIONS.
3. MATS ARE TO BE REMOVED IMMEDIATELY AFTER CROSSING ACTIVITY IS COMPLETE. (SAME DAY)
4. RESTORE CROSSING AREA TO PRE CONSTRUCTION GRADE/CONTOUR IF RUTTING OR INDENTATIONS HAS OCCURRED WITHIN 24 HOURS OF MAT REMOVAL.
5. RESTORE EXPOSED SOILS FROM REMOVAL OF MATS WITH DOUBLE SIDED NETTING EROSION CONTROL BLANKET OR APPROVED EQUAL AND SEED WITHIN 24 HOURS OF MAT REMOVAL.
6. BLANKET SHALL BE INSTALLED ACCORDING TO MANUFACTURES SPECIFICATIONS.
7. PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS OR BIOROLLS, WOOD MULCH BERMS OR STABILIZED TOPSOIL BERMS.

TEMPORARY CRANE TRAVEL ACROSS EXISTING CHANNEL WITH CRANE MATS

LAST REVISED: 12/18/09

RD11A

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| **Checked:** | RC/PC |
| **Drawn:** | KM/TR |
| **Record Drawing by/date:** | |

**Revisions:**

| # | DATE | DESCRIPTION |
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**Prepared for:**

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

**Carbon County, Wyoming**

**Details**

**Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure**
**NOT FOR CONSTRUCTION**

**Date:** 01/05/15

**Sheet:** 23 OF 254

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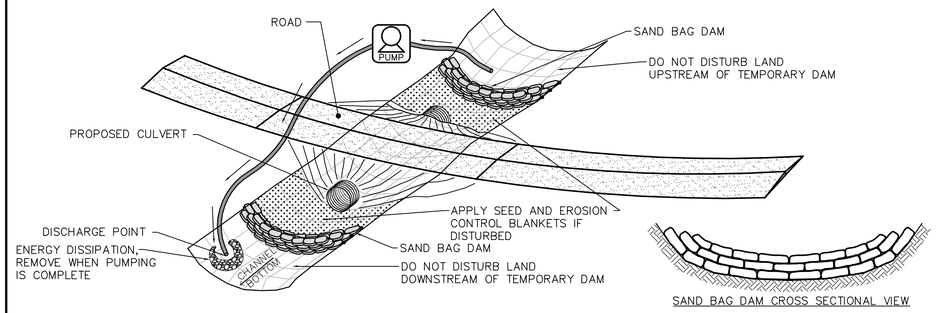





SAND BAG DAM CROSS SECTIONAL VIEW

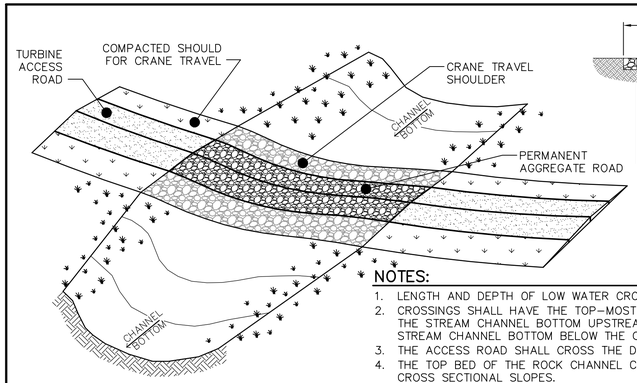
**NOTE:**

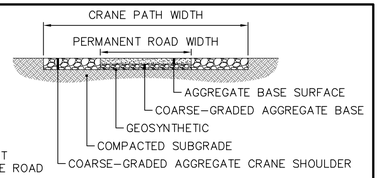
1. CULVERT INSTALLATION SHALL CONFORM WITH MANUFACTURERS RECOMMENDATION FOR INSTALLATION.
2. MINIMIZE DISTURBANCE TO THE STREAM/DITCH DURING CULVERT INSTALLATION/REMOVAL.
3. INSTALLATION OF TEMPORARY DRY STREAM/CONVEYANCE CROSSINGS SHALL BE COMPLETED DURING FORECASTED DRY PERIODS, THAT ENSURES ADEQUATE TIME FOR EROSION AND SEDIMENT CONTROL BMP INSTALLATION.
4. IF INSTALLATION IS NEEDED IN A PERPETUAL WET STREAM/CONVEYANCE, A TEMPORARY DAM SHALL BE CONSTRUCTED WITH SAND BAGS STARTING AT THE UPSTREAM END TO ALLOW THE WORK AREA TO BE "DRY." A PUMP SHALL BE USED TO CONVEY WATER AROUND TEMPORARY DAM. THE PUMPED WATER WILL BE DISCHARGED DOWN STREAM OF THE WORK AREA USING ENERGY DISSIPATION AT THE DISCHARGE LOCATION TO PREVENT ANY SCOUR. THE RATE OF THE PUMP MUST MATCH EXISTING FLOW RATES/VOLUMES AND MUST NOT REMAIN OVERNIGHT. ALL CROSSING ACTIVITY INCLUDING RESTORATION MUST BE DONE WITHIN THE SAME WORK DAY.
5. UPON COMPLETION, RIP RAP AND RESTORE TO ORIGINAL CONDITION. INSTALL SEED AND EROSION CONTROL BLANKET, ADEQUATE FOR FLOW CONDITIONS, ON ALL DISTURBED SLOPES GREATER THAN 3:1, WHERE ANY FLOWS ARE CONCENTRATED AND WITHIN THE DITCHES WETTED PERIMETER.

TEMPORARY SAND BAG DAM WITH WATER BYPASS PUMP

LAST REVISED: 01/31/13

RD17




CROSS SECTION

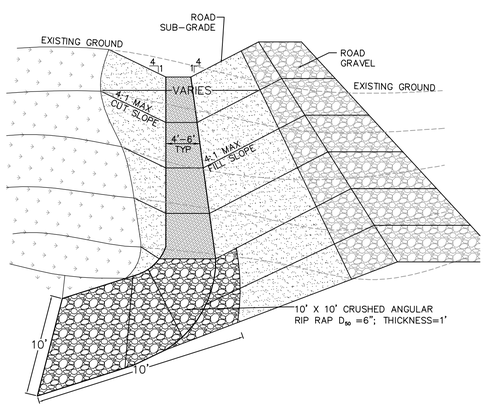
**NOTES:**

1. LENGTH AND DEPTH OF LOW WATER CROSSINGS WILL VARY.
2. CROSSINGS SHALL HAVE THE TOP-MOST SURFACE LAYER A MINIMUM OF 2.5 INCHES BELOW THE STREAM CHANNEL BOTTOM UPSTREAM OF CROSSING AND AT SAME ELEVATION AS THE STREAM CHANNEL BOTTOM BELOW THE CROSSING.
3. THE ACCESS ROAD SHALL CROSS THE DITCH AT AS CLOSE TO 90° ANGLE AS PRACTICAL.
4. THE TOP BED OF THE ROCK CHANNEL CROSSING SHALL CONFORM TO THE EXISTING DITCH CROSS SECTIONAL SLOPES.
5. AT CROSSINGS WHERE RUNOFF FROM SNOW MELT OR OTHER DRAINAGE BECOMES A NUISANCE OR INCREASES AMOUNT OF ROAD MAINTAINENCE REQUIRED, A SMALL CULVERT (TYPICALLY 4"–6") MAY BE INSTALLED AT THE END OF WIND FARM CONSTRUCTION ONCE THE MAJORITY OF THE HEAVY HAULING IS COMPLETE.

TYPICAL ACCESS ROAD LOW WATER CROSSING

LAST REVISED: 03/20/14

RD12



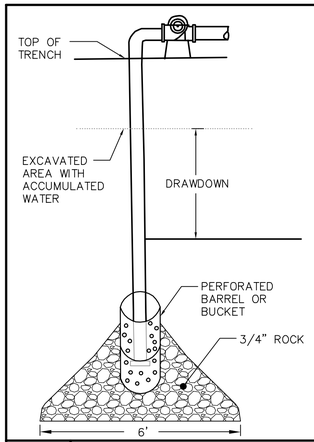

**NOTES:**

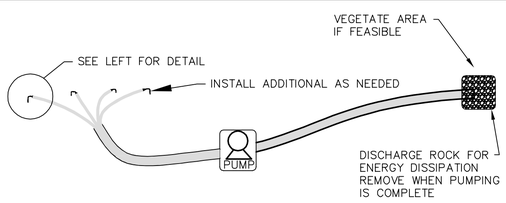
1. DITCH OUTLET RIPRAP SHALL BE CRUSHED ANGULAR ROCK $D_{50}$ =6"
2. INSTALL GEOTEXTILE FABRIC UNDERNEATH RIP RAP OUTLET
3. OUTLET SIZE SHALL BE 10' X 10' X 1.0'
4. STABILIZE SIDE SLOPES PER SWPPP GUIDANCE.
5. STABILIZE DITCH WETTED PERIMETER PER SWPPP GUIDANCE.

RIP RAP DITCH OUTLET

LAST REVISED: 03/11/13

GD25




**NOTE:**

1. A DEWATERING BAG MAY BE SUBSTITUTED FOR DISCHARGE ROCK FOR ENERGY DISSIPATION.
2. DEWATERING DISCHARGE SHALL BE MONITORED FOR ANY EROSIVE CONDITIONS. IF EROSION OCCURS, THE AREA SHALL BE STABILIZED IN ACCORDANCE WITH THE SWPPP. DEWATERING MAY RESUME FOLLOWING STABILIZATION.
3. DEWATERING DISCHANGE SHALL BE MONITORED FOR TURBID CONDITIONS. ADDITIONAL BMP'S PRIOR TO PUMP MY BE NEEDED IF WATER IS TURBID.

TYPICAL DEWATERING OPERATION

LAST REVISED: 05/06/11

GD31

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Drawn: KM/TR
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Revisions:

| # | DATE | DESCRIPTION |
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Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
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Date: 01/05/15
Sheet: 24 OF 254

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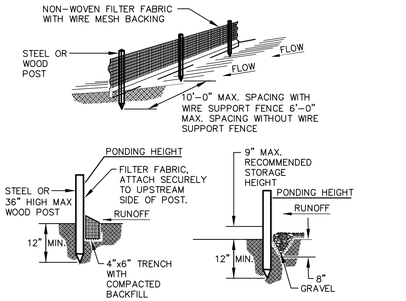
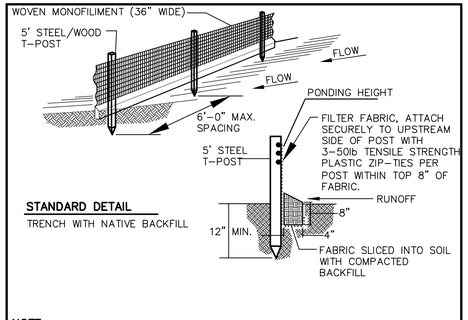



**NOTE:**

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

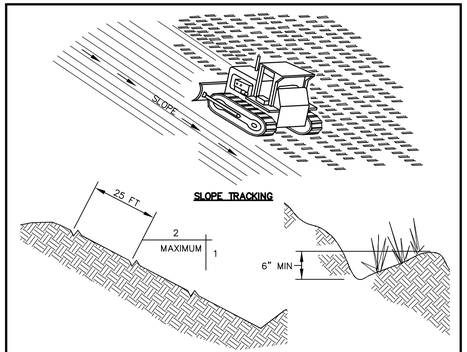
| | | |
|---|---|---|
| Westwood | WIRE-BACKED SILT FENCE | LAST REVISED: 03/03/08 GD02 |




**NOTE:**

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN ACCUMULATED TO 1/3 THE HEIGHT OF THE FABRIC OR MORE.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
4. ALL ENDS OF THE SILT FENCE SHALL BE WRAPPED UPSLOPE SO THE ELEVATION OF THE BOTTOM OF FABRIC IS HIGHER THAN "PONDING HEIGHT".

| | | |
|---|---|---|
| Westwood | SILT FENCE | LAST REVISED: 11/24/08 GD03 |

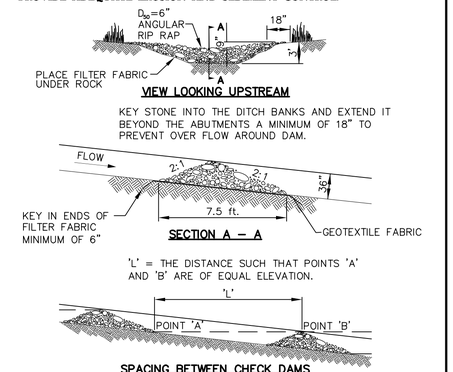



**NOTE:**

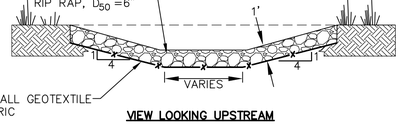
1. GROOVES WILL CATCH SEED, FERTILIZER, MULCH, RAINFALL AND DECREASE RUNOFF RATE.
2. USE SLOPE TRACKING FOR SLOPES 4:1 AND 50 FEET LONG OR STEEPER/LONGER.
3. USE TEMPORARY CONTOUR FURROWS FOR SLOPES 3:1 AND 75 FEET LOND OR STEEPER/LONGER.

| | | |
|---|---|---|
| Westwood | SURFACE ROUGHENING FOR ALL SLOPES GREATER THAN 4:1 | LAST REVISED: 03/03/08 GD09 |

**ROCK CHECK SHALL BE USED WHERE NEEDED AS A FILTER MEDIA, OR WHERE EROSION CONTROL BLANKETS AND/OR FIBER ROLLS DO NOT PROVIDE ADEQUATE EROSION AND SEDIMENT CONTROL.**



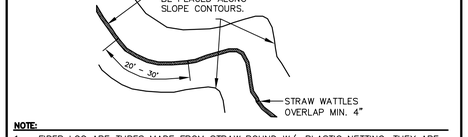

| | | |
|---|---|---|
| Westwood | TEMPORARY ROCK CHECK DAM | LAST REVISED: 03/03/08 GD18 |




**NOTES:**

1. RIPRAP USED FOR ROCK CHANNELS SHALL BE CRUSHED ANGULAR MATERIAL

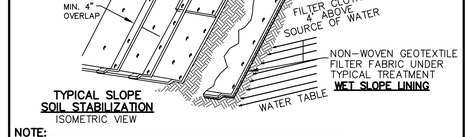
| | | |
|---|---|---|
| Westwood | ROCK LINED CHANNEL | LAST REVISED: 01/31/13 GD19 |




**NOTE:**

1. FIBER LOG ARE TUBES MADE FROM STRAW BOUND W/ PLASTIC NETTING. THEY ARE APPROX. 8" DIA. AND 15 FT. LONG.
2. FIBER LOG TRAP SEDIMENT AND REDUCE SHEET & RILL EROSION BY REDUCING SLOPE LENGTH, INCREASING INFILTRATION RATES AND BY PRODUCING A FAVORABLE ENVIRONMENT FOR SEED ESTABLISHMENT.
3. FIBER LOG INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE FIBER LOG IN A TRENCH, 2" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER LOG.

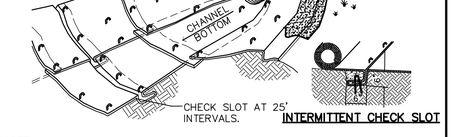
| | | |
|---|---|---|
| Westwood | TEMPORARY FIBER LOG SLOPE BREAK | LAST REVISED: 01/31/13 GD20 |




**NOTE:**

1. REFER TO THE PROJECT SWPPP FOR IMPLEMENTATION REQUIREMENTS.
2. MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.
3. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICK AND GRASS.
4. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
5. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL.
6. DO NOT STRETCH.
7. BLANKET TYPE AND WEIGHT MUST BE CHOOSEN BASED ON SITE CONDITIONS AND MANUFACTURERS RECOMMENDATIONS.
8. STAPLE LENGTHS SHALL CONFORM TO MANUFACTURERS RECOMMENDATIONS.

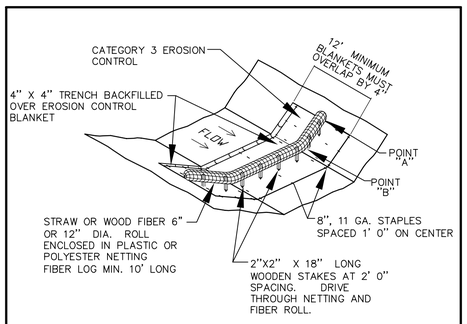
| | | |
|---|---|---|
| Westwood | TEMPORARY EROSION BLANKETS TURF REINFORCEMENT MATS FOR SLOPES | LAST REVISED: 11/24/08 GD21 |




**NOTE:**

1. REFER TO THE PROJECT SWPPP FOR IMPLEMENTATION REQUIREMENTS.
2. CHECK SLOTS TO BE CONSTRUCTED PER MANUFACTURERS SPECIFICATIONS.
3. STAKING OR STAPLING LAYOUT PER MANUFACTURERS SPECIFICATIONS.
4. MINIMUM OF 3.5 STAPLES/YARD.
5. BLANKET TYPE AND WEIGHT MUST BE CHOOSEN BASED ON SITE CONDITIONS AND MANUFACTURERS RECOMMENDATIONS.
6. STAPLE LENGTHS SHALL CONFORM TO MANUFACTURERS RECOMMENDATIONS.
7. EROSION CONTROL BLANKETS SHALL EXTEND TO THE EDGE OF THE DISTURBANCE LIMITS.

| | | |
|---|---|---|
| Westwood | TEMPORARY EROSION BLANKETS TURF REINFORCEMENT MATS FOR CHANNELS | LAST REVISED: 03/03/08 GD22 |




**NOTE:**

1. REFER TO THE PROJECT SWPPP FOR IMPLEMENTATION REQUIREMENTS.
2. POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
3. TYPE OF MATERIAL FOR EROSION CONTROL BLANKET IS SUBJECT TO FIELD CONDITIONS AND MANUFACTURERS RECOMMENDATION.

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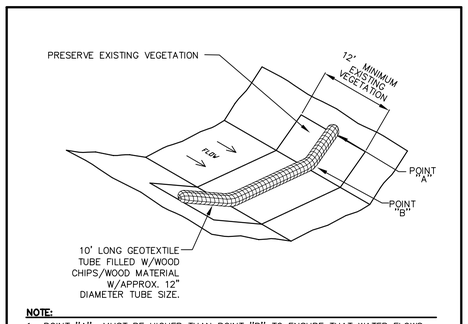
|---|---|---|
| Westwood | TEMPORARY FIBER LOG BLANKET SYSTEM (DITCH APPLICATION) | LAST REVISED: 03/03/08 GD23 |



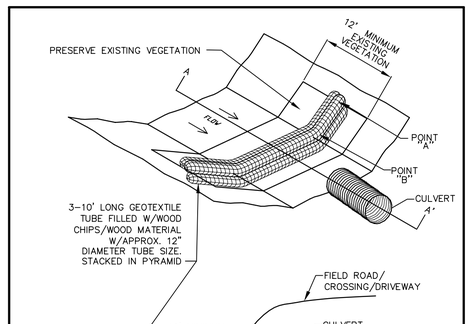

**NOTE:**

1. POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
2. APPROXIMATE SPACING BETWEEN EACH DITCH CHECK SHOULD BE DETERMINED FROM THE FOLLOWING SPACING FORMULA:

APPROXIMATE SPACING OF DITCH CHECKS (FT.) = Y =

$$\frac{\text{DITCH CHECK HEIGHT (FT)}}{\text{\% CHANNEL SLOPE}} \times 100$$

| | | |
|---|---|---|
| Westwood | MULCH LOG (DITCH APPLICATION) | LAST REVISED: 10/21/08 GRD-023A |




**NOTE:**

1. POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE MULCH LOGS AND NOT AROUND THE ENDS.

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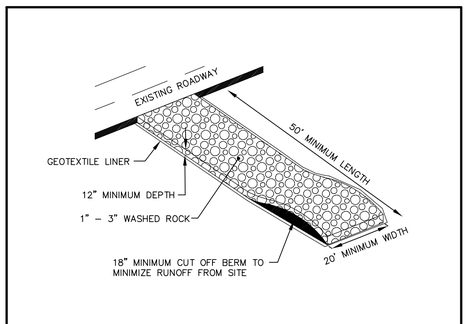
| Westwood | MULCH LOG (CULVERT PROTECTION) | LAST REVISED: 10/21/08 GRD-023B |




**NOTE:**

ROCK CONSTRUCTION ENTRANCE SHOULD BE A MINIMUM THICKNESS OF 1.0' AND CONTAIN MAXIMUM SIDE SLOPES OF 4:1. ROCK ENTRANCE SHOULD BE INSPECTED AND MAINTAINED REGULARLY. ROCK ENTRANCE LENGTH MAY NEED TO BE EXTENDED IN CLAY SOILS.

| | | |
|---|---|---|
| Westwood | ROCK CONSTRUCTION ENTRANCE | LAST REVISED: 03/03/08 GD05 |

Westwood

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Drawn: KM/TR
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Revisions:

| # | DATE | DESCRIPTION |
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Prepared for:

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555 Seventeenth Street, Suite 2400
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Carbon County, Wyoming

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Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 25 OF 254

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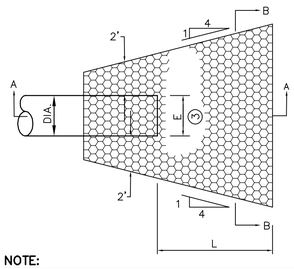
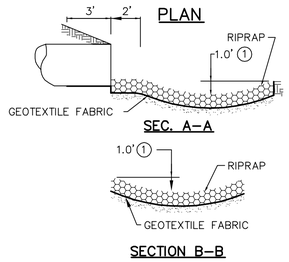



TABLE OF QUANITIES
RIPRAP AT OUTLETS

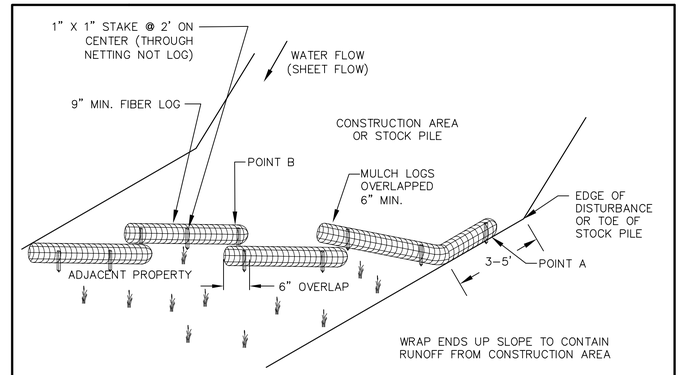
| Dia. Round Pipe (In.) | L (Ft.) | CLASS II $d_{50}$=6" 12" Depth Riprap (Cu. Yd.) | CLASS II $d_{50}$=6" 6" Depth Granular Filter (Cu. Yd.) | CLASS III $d_{50}$=9" 18" Depth Riprap (Cu. Yd.) | CLASS III $d_{50}$=9" 9" Depth Granular Filter (Cu. Yd.) | CLASS IV $d_{50}$=12" 24" Depth Riprap (Cu. Yd.) | CLASS IV $d_{50}$=12" 12" Depth Granular Filter (Cu. Yd.) |
|---|---|---|---|---|---|---|---|
| 12 | 8 | 2.8 | 1.4 | 4.1 | 2.1 | 5.5 | 2.8 |
| 15 | 8 | 2.9 | 1.5 | 4.4 | 2.2 | 5.8 | 2.9 |
| 18 | 10 | 3.9 | 2.0 | 5.9 | 3.0 | 7.8 | 3.9 |
| 21 | 10 | 4.2 | 2.1 | 6.3 | 3.2 | 8.4 | 4.2 |
| 24 | 12 | 5.5 | 2.8 | 8.3 | 4.2 | 11.0 | 5.5 |
| 27 | 12 | 5.8 | 2.9 | 8.7 | 4.4 | 11.6 | 5.8 |
| 30 | 14 | 7.3 | 3.7 | 10.9 | 5.5 | 14.5 | 7.3 |
| 36 | 16 | 9.2 | 4.6 | 13.8 | 6.9 | 18.3 | 9.2 |
| 42 | 18 | 10.9 | 5.5 | 16.3 | 8.2 | 21.7 | 10.9 |
| 48 | 20 | 12.9 | 6.5 | 19.4 | 9.7 | 25.8 | 12.9 |




**NOTE:**

(1) FOR PIPES GREATER OR EQUAL TO 30", USE 1.5'.
2. THE CONTRACTOR SHALL PLACE RIP RAP, PULVERIZED TOPSOIL, SEED AND WOODFIBER BLANKET IMMEDIATELY AFTER PIPE IS INSTALLED, EXTEND AREA TO MATCH UNDISTURBED SOIL.
(3) DIMENSION "E" EQUALS INSIDE WIDTH OF PIPE.
4. RIP RAP SHALL BE CLASS 3 SIZE UNLESS OTHERWISE NOTED ON PLANS.
5. RIP RAP SHALL BE INSTALLED AT ALL CULVERTS INSTALLED DURING CONSTRUCTION.
6. REFER TO STANDARD UNION PACIFIC DETAIL FOR RIP RAP AT CULVERTS ON RAIL LINE.

| | RIP RAP OUTLETS | LAST REVISED: 08/11/21 |
|---|---|---|
| | | ST02 |

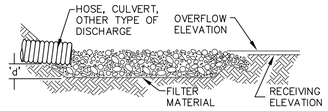



## FIBER LOG

TO BE USED FOR PERIMETER CONTROL AT CONSTRUCTION AREA LIMIT WITHIN SMALL WATERSHEDS.
POINT "A" MUST BE A MINIMUM OF 6 INCHES HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE FIBER LOG AND NOT AROUND THE ENDS.

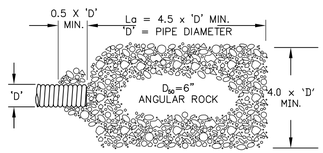
TRENCH LOG 2" IF 100% CONTACT WITH SOIL NOT IS ACHIEVABLE

| | TEMPORARY SEDIMENT CONTROL FIBER LOG – PERIMETER CONTROL | LAST REVISED: 01/31/13 |
|---|---|---|
| | | GD24 |




THICKNESS ('d') = 1.5 x MAX. ROCK DIAMETER – 6" MIN.

**SECTION**




**PLAN**

**NOTE:**

1. 'La' = LENGTH OF APRON. DISTANCE 'La' SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
2. APRON SHALL BE SET AT A ZERO GRADE AND ALIGNED STRAIGHT.
3. FILTER MATERIAL SHALL BE FILTER FABRIC OR 6" THICK MINIMUM GRADED GRAVEL LAYER.

| | ENERGY DISSIPATOR | LAST REVISED: 01/29/13 |
|---|---|---|
| | | ED01 |

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Eden Prairie, MN 55344

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Record Drawing by/date:

Revisions:

| # | DATE | DESCRIPTION |
|---|---|---|
| . | . | . |

Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 26 OF 254

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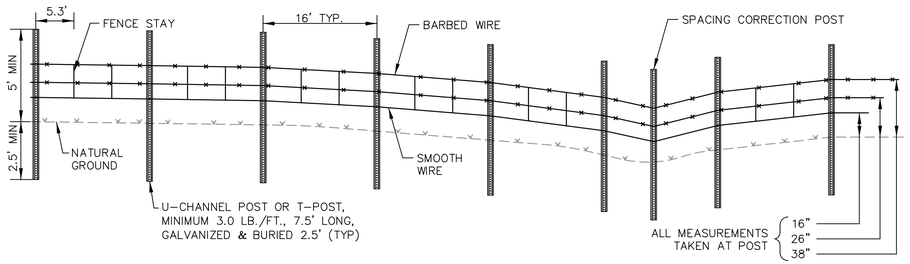
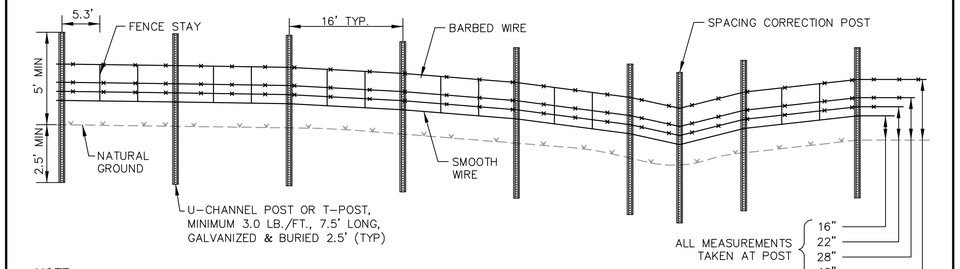



**NOTE:**

1. ALL FENCES SHALL BE TIED BACK TO MAINTAIN TENSION ON EXISTING FENCE PRIOR TO CUTTING OF THE EXISTING FENCE.
2. DISTANCE FROM GROUND LEVEL TO BOTTOM WIRE CAN VARY FROM 16–20" BETWEEN FENCE POSTS. EXTRA FENCE POSTS SHOULD BE USED TO MAINTAIN THE CORRECT SPACING.
3. ALL WIRES CONNECT TO METAL FENCE POSTS WITH WIRE CLIPS OR WOODEN FENCE POSTS WITH METAL STAPLES.
4. ALL WIRES MUST BE STRETCHED AND ATTACHED TO APPROPRIATE SUPPORT STRUCTURES.
5. BOTTOM WIRE IS ALWAYS SMOOTH – NO BARBS.

DRAWING NOT TO SCALE

| | | |
|---|---|---|
| Westwood | 3 WIRE TEMPORARY FENCE | LAST REVISED: 04/05/13<br>FN04 |




**NOTE:**

1. ALL FENCES SHALL BE TIED BACK TO MAINTAIN TENSION ON EXISTING FENCE PRIOR TO CUTTING OF THE EXISTING FENCE
2. BARBED WIRE SHALL MATCH EXISTING 4, 5 OR 6 WIRE FENCE.
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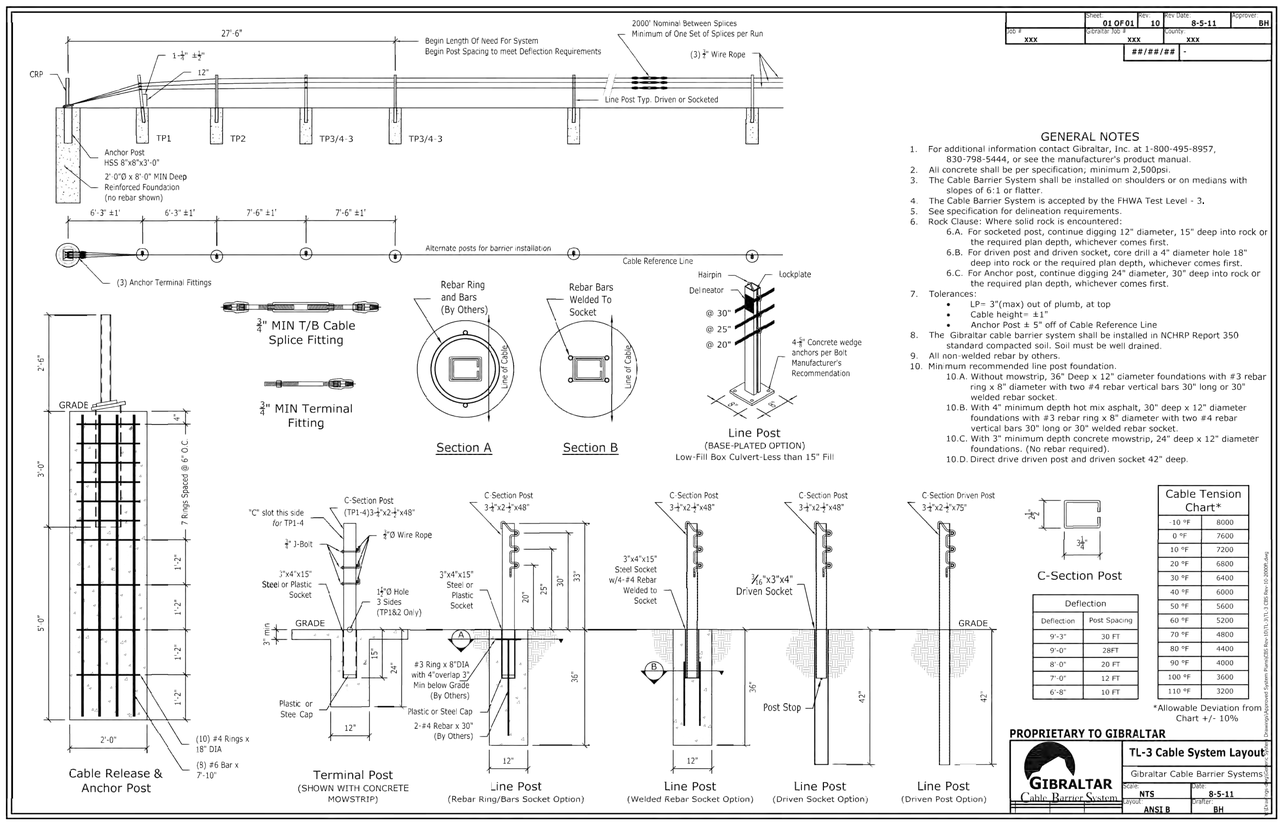
6. BOTTOM WIRE IS ALWAYS SMOOTH – NO BARBS.

DRAWING NOT TO SCALE

| | | |
|---|---|---|
| Westwood | PERMANENT FENCE | LAST REVISED: 04/05/13<br>FN03 |




| Deflection | |
|---|---|
| Deflection | Post Spacing |
| 9'-3" | 30 FT |
| 9'-0" | 28FT |
| 8'-0" | 20 FT |
| 7'-0" | 12 FT |
| 6'-8" | 10 FT |

| Cable Tension Chart* | |
|---|---|
| 10 °F | 8000 |
| 0 °F | 7600 |
| 10 °F | 7200 |
| 20 °F | 6800 |
| 30 °F | 6400 |
| 40 °F | 6000 |
| 50 °F | 5600 |
| 60 °F | 5200 |
| 70 °F | 4800 |
| 80 °F | 4400 |
| 90 °F | 4000 |
| 100 °F | 3600 |
| 110 °F | 3200 |

*Allowable Deviation from Chart +/- 10%

GENERAL NOTES

1. For additional information contact Gibraltar, Inc. at 1-800-495-8957, 830-798-5444, or see the manufacturer's product manual.
2. All concrete shall be per specification; minimum 2,500psi.
3. The Cable Barrier System shall be installed on shoulders or on medians with slopes of 6:1 or flatter.
4. The Cable Barrier System is accepted by the FHWA Test Level - 3.
5. See specification for delineation requirements.
6. Rock Clause: Where solid rock is encountered:
   - 6.A. For socketed post, continue digging 12" diameter, 15" deep into rock or the required plan depth, whichever comes first.
   - 6.B. For driven post and driven socket, core drill a 4" diameter hole 18" deep into rock or the required plan depth, whichever comes first.
   - 6.C. For Anchor post, continue digging 24" diameter, 30" deep into rock or the required plan depth, whichever comes first.
7. Tolerances:
   - LP= 3"(max) out of plumb, at top
   - Cable height= ±1"
   - Anchor Post ± 5° off of Cable Reference Line
8. The Gibraltar cable barrier system shall be installed in NCHRP Report 350 standard compacted soil. Soil must be well drained.
9. All non-welded rebar by others.
10. Min mum recommended line post foundation.
    - 10.A. Without mowstrip, 36" Deep x 12" diameter foundations with #3 rebar ring x 8" diameter with two #4 rebar vertical bars 30" long or 30" welded rebar socket
    - 10.B. With 4" minimum depth hot mix asphalt, 30" deep x 12" diameter foundations with #3 rebar ring x 8" diameter with two #4 rebar vertical bars 30" long or 30" welded rebar socket.
    - 10.C. With 3" minimum depth concrete mowstrip, 24" deep x 12" diameter foundations. (No rebar required).
    - 10.D. Direct drive driven post and driven socket 42" deep.

| Job # | Gibraltar Job # | Sheet | Rev. | Rev Date: | Approver |
|---|---|---|---|---|---|
| xxx | xxx | 01 OF 01 | 10 | 8-5-11 | BH |
| | | County: xxx | | | |
| | | ##/##/## | - | | |

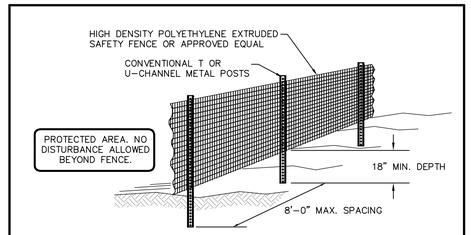
PROPRIETARY TO GIBRALTAR

GIBRALTAR Cable Barrier System

TL-3 Cable System Layout

Gibraltar Cable Barrier Systems

| Scale | Date |
|---|---|
| NTS | 8-5-11 |
| Layout | Drafter |
| ANSI B | BH |




**NOTE:**

1. CONTRACTOR TO INSTALL SAFETY FENCE AROUND PROTECTED AREAS PRIOR TO CONSTRUCTION ACTIVITIES IN THE VICINITY.
2. CONTRACTOR MAY USE APPROVED ALTERNATE PRODUCTS AND CONSTRUCTION PRACTICES AS LONG AS THE INTENT AND EFFECTIVENESS OF THE FENCE IS MAINTAINED. VERIFY ALL CHANGES WITH THE ENGINEER.
3. SEE PLANS FOR LOCATIONS.

| | | |
|---|---|---|
| Westwood | SAFETY FENCE | LAST REVISED: 01/25/13<br>FN05 |

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Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Fence Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 27 OF 254

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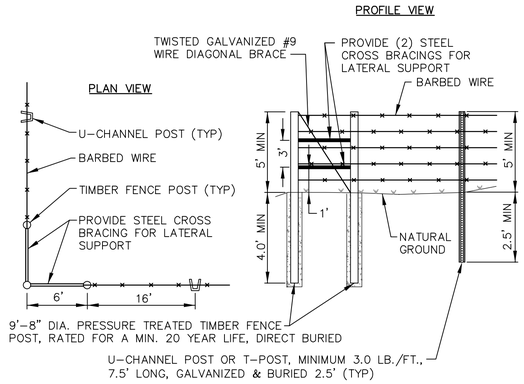


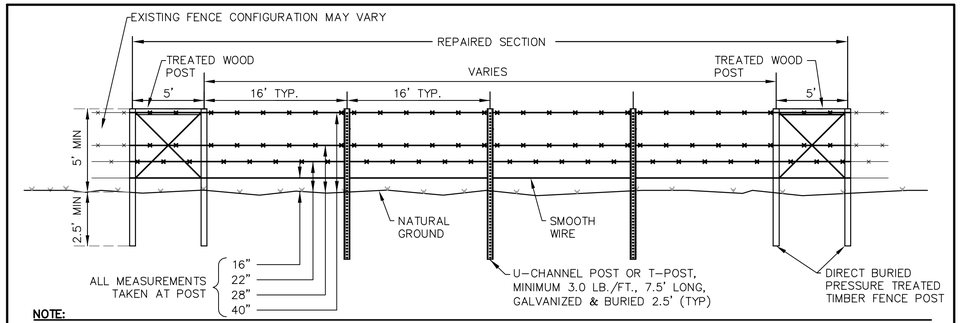

**NOTE:**

1. ALL DIRECT BURIED POSTS SHALL BE BACKFILLED WITH TWO BAGS OF UNMIXED, NO WATER ADDED, QUICKRETE℠, OR APPROVED EQUAL, FOLLOWED BY NATIVE SOIL.

PERMANENT FENCE CORNER POST

LAST REVISED: 05/14/09

FN01




**NOTE:**

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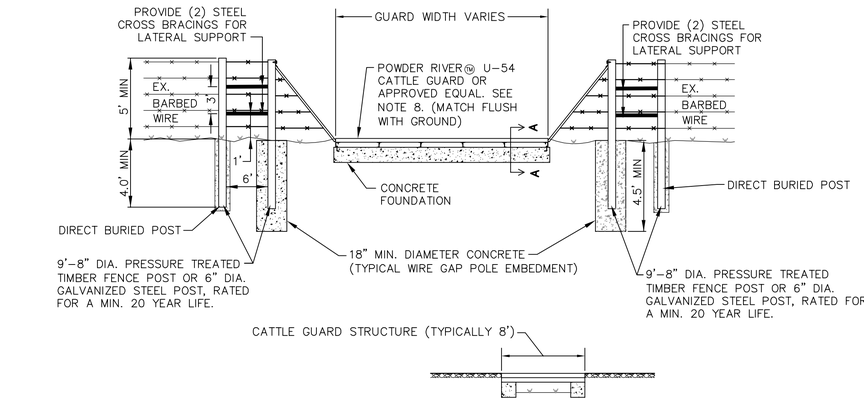
5. ALL WIRES MUST BE STRETCHED AND ATTACHED TO APPROPRIATE SUPPORT STRUCTURES.
6. BOTTOM WIRE IS ALWAYS SMOOTH – NO BARBS.
7. WHEN EXISTING FENCE IS REMOVED, H-BRACING SHALL BE CONSTRUCTED ON EACH END OF THE REPAIRED SECTION TO ALLOW FENCE TO BE TIGHTENED.

FENCE REPAIR

LAST REVISED: 04/10/14

FN02




| TABLE A: CROWN TO CATTLE GUARD TRANSITION LENGTHS | |
|---|---|
| LANE CROSS-SLOPE | TRANSITION LENGTH (L) |
| 1% | 35 FT |
| 2% | 70 FT |
| 3% | 105 FT |

* IF CATTLE GUARD IS LOCATED IN A CROWNED SECTION OF ROAD, PROVIDE TRANSITION PER TABLE A. IF CATTLE GUARD IS LOCATED IN A CROSS-SLOPED OR SUPERELEVATED SECTION, CATTLE GUARD SHOULD MATCH ROAD CROSS-SLOPE.

**NOTE:**

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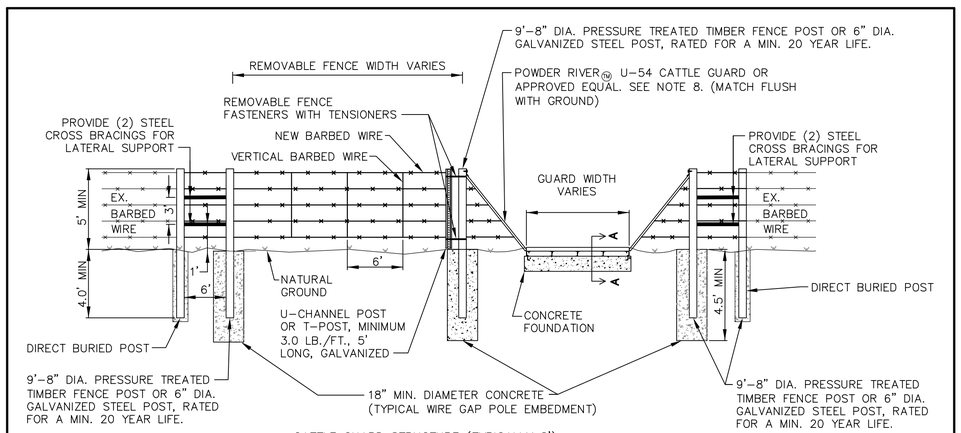
6. IF CATTLE GUARD IS LOCATED IN A CROWNED SECTION OF ROAD, PROVIDE TRANSITION PER TABLE A. IF CATTLE GUARD IS LOCATED IN A CROSS-SLOPED OR SUPERELEVATED SECTION, CATTLE GUARD SHOULD MATCH ROAD CROSS-SLOPE.
7. PROVIDE POSITIVE DRAINAGE FOR CATTLE GUARD INTO ADJACENT ROAD DITCH OR SIDE-SLOPE. INSTALL EROSION AND SEDIMENT CONTROL AS SHOWN ON PLANS AND IN SWPPP.
8. U-54 CATTLE GUARD IS RATED FOR 25 TONS PER AXLE. IF THE CONTRACTOR ANTICIPATES LOADINGS IN EXCESS OF 25 TONS PER AXLE, ADDITIONAL MEASURES MAY BE NEEDED.

CATTLE GUARD TYPE A – CATTLE GUARD ONLY

LAST REVISED: 01/22/13

CG01

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7. PROVIDE POSITIVE DRAINAGE FOR CATTLE GUARD INTO ADJACENT ROAD DITCH OR SIDE-SLOPE. INSTALL EROSION AND SEDIMENT CONTROL AS SHOWN ON PLANS AND IN SWPPP.
8. U-54 CATTLE GUARD IS RATED FOR 25 TONS PER AXLE. IF THE CONTRACTOR ANTICIPATES LOADINGS IN EXCESS OF 25 TONS PER AXLE, ADDITIONAL MEASURES MAY BE NEEDED.

CATTLE GUARD TYPE B – CATTLE GUARD W/REMOVABLE FENCE

LAST REVISED: 01/22/13

CG02

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Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Cattleguard Details

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

**Date:** 01/05/15
**Sheet:** 28 OF 254

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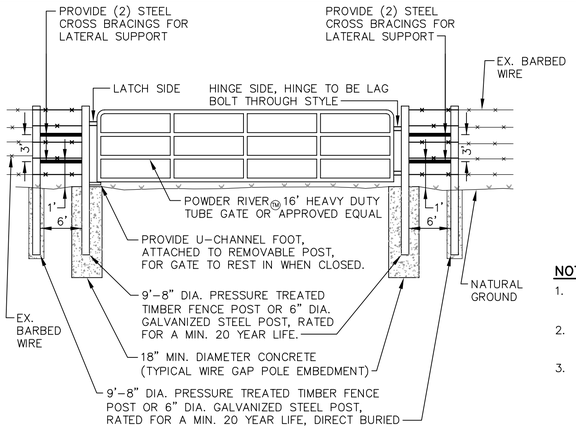


**NOTE:**

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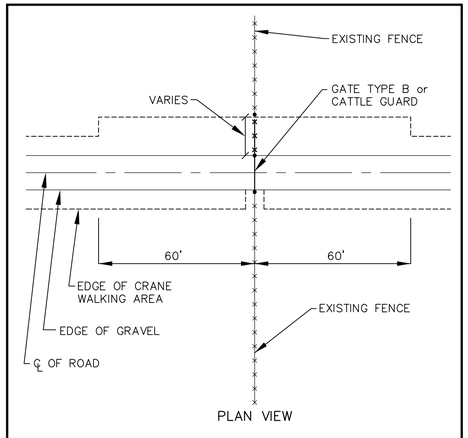
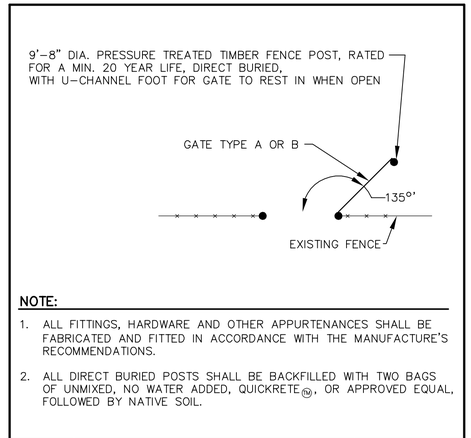
3. BARBED WIRE SHALL MATCH EXISTING 4, 5, OR 6 WIRE FENCE.

| | GATE TYPE A – SINGLE GATE | LAST REVISED: 05/14/09 GA01 |
|---|---|---|




PLAN VIEW

| | CRANE PATH AT TYPE B GATE / CATTLE GUARD | LAST REVISED: 05/14/09 GA04 |
|---|---|---|

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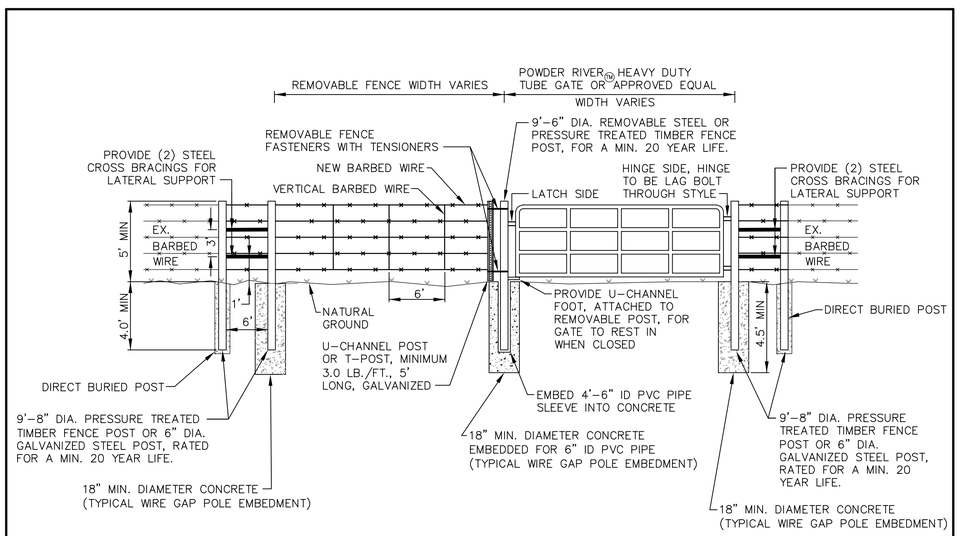
| | GATE TYPE A/B SUPPORT POST | LAST REVISED: 05/14/09 GA05 |
|---|---|---|




**NOTE:**

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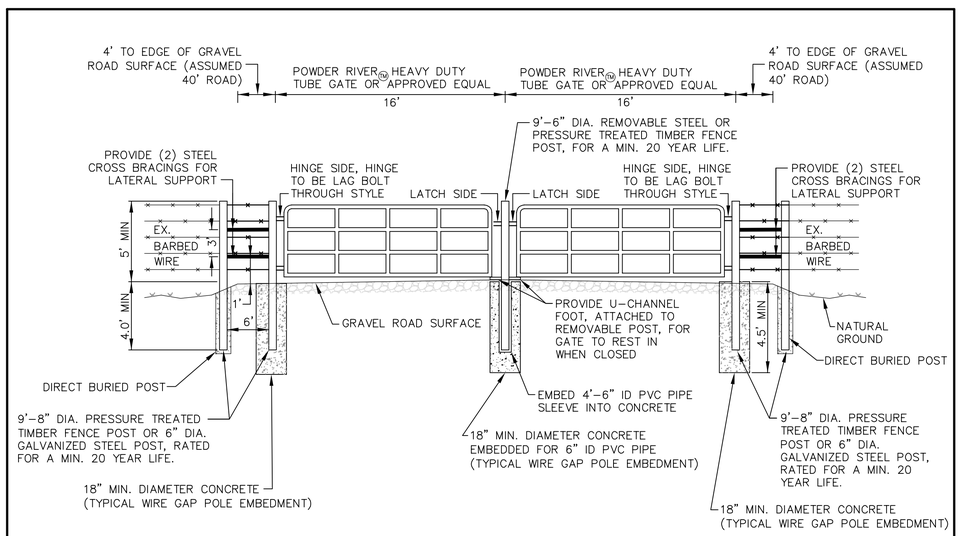
5. BARBED WIRE SHALL MATCH EXISTING 4, 5, OR 6 WIRE FENCE.

| | GATE TYPE B – DOUBLE GATE | LAST REVISED: 01/22/13 GA02 |
|---|---|---|

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5. BARBED WIRE SHALL MATCH EXISTING 4, 5, OR 6 WIRE FENCE.
6. "GATE TYPE B – DOUBLE GATE" IS INTENDED TO BE USED ONLY BY OWNER'S DIRECTION.

| | GATE TYPE B – DOUBLE GATE | LAST REVISED: 01/22/13 GA03 |
|---|---|---|

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**Revisions:**

| # | DATE | DESCRIPTION |
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**Prepared for:**

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

**Carbon County, Wyoming**

## Gate Details

**Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure**
**NOT FOR CONSTRUCTION**

**Date:** 01/05/15
**Sheet:** 29 OF 254

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## Phase 1 Wind Development Area Wind Turbine Generator Sites and Related Infrastructure Utility Crossing Schedule

| Owner or Operator | Crossing Number | Crossing Detail | | Proposed Improvement Description | Utility Type | Utility Line Name | Utility Contact | | Coordinate (NAD83/HARN Wyoming Stl eht Plane, East Central Zone, US Feet) | | Landowner | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Detail | Page | | | | Name | Phone | X | Y | | |
| NuStar Logistics LP | 2201 | | | Sanitary Sewer | Petroleum | | Unknown | 1-800-481-0038 | 1354039 | 795024 | Union Pacific Railroad Company | |
| NuStar Logistics LP | 2202 | | | Utility Corridor | Petroleum | | Unknown | 1-800-481-0038 | 1356143 | 794470 | Union Pacific Railroad Company | |
| Source Gas | 2203 | | | Utility Corridor | Petroleum | | Unknown | 1-866-477-1190 | 1356719 | 790577 | Union Pacific Land Resources | |
| Plains Pipeline Company | 2204 | | | Utility Corridor | Petroleum | | Unknown | 1-866-800-7677 | 1357038 | 790017 | Union Pacific Land Resources | |
| Pioneer Pipeline Company | 2205 | | | Utility Corridor | Petroleum | | Unknown | 1-800-231-2551 | 1357061 | 789952 | Union Pacific Land Resources | |
| Pioneer Pipeline Company | 2206 | | | Utility Corridor | Petroleum | | Unknown | 1-800-231-2551 | 1357070 | 789925 | Union Pacific Land Resources | |
| Mountain Gas Resources, Inc | 2207 | | | Utility Corridor | Liquid Natural Gas | | Unknown | 307-382-4562 | 1365518 | 783599 | BLM | |
| Colorado Interstate Gas | 2208 | | | Utility Corridor | Natural Gas | | Unknown | 1-877-712-2288 | 1365519 | 783561 | BLM | |
| Colorado Interstate Gas | 2209 | | | Utility Corridor | Natural Gas | | Unknown | 1-877-712-2288 | 1365521 | 783514 | BLM | |
| Southern Star | 2210 | | | Utility Corridor | Natural Gas | | Unknown | 1-800-324-9696 | 1365523 | 783439 | BLM | |
| Wyoming Interstate Gas | 2211 | | | Utility Corridor | Natural Gas | | Unknown | 1-877-712-2288 | 1365525 | 783383 | BLM | |
| Kinder Morgan (Rockies Express, LLC) | 2212 | | | Utility Corridor | Natural Gas | | Unknown | 1-877-436-2253 | 1365529 | 783276 | BLM | |
| Oneok NGL Pipeline, LP | 2213 | | | Utility Corridor | Liquified Petroleum Gas | | Unknown | 1-800-666-9041 | 1365531 | 783224 | BLM | |
| AT&T | 3201 | | | Water Line | Fiber Optic Line | | Unknown | 1-800-348-1030 | 1353967 | 795076 | Union Pacific Land Resources | |
| AT&T | 3202 | | | Power Line | Fiber Optic Line | | Unknown | 1-800-348-1030 | 1356217 | 794767 | Union Pacific Railroad Company | |
| AT&T | 3203 | | | Utility Corridor | Fiber Optic Line | | Unknown | 1-800-348-1030 | 1356589 | 793165 | TOTCO | |
| AT&T | 3204 | | | Utility Corridor | Fiber Optic Line | | Unknown | 1-800-348-1030 | 1356588 | 793161 | TOTCO | |
| WilTel | 3205 | | | Utility Corridor | Fiber Optic Line | | Unknown | 1-800-248-0133 | 1365523 | 783454 | BLM | |
| WilTel | 3206 | | | Utility Corridor | Fiber Optic Line | | Unknown | 1-800-248-0133 | 1365524 | 783419 | BLM | |
| E.C.I. (ENRON) | 3207 | | | Utility Corridor | Fiber Optic Line | | Unknown | 1-800-267-7028 | 1365527 | 783332 | BLM | |
| AT&T | 3208 | | | Utility Corridor | Fiber Optic Line | | Unknown | 1-800-849-2476 | 1365528 | 783317 | BLM | |
| Union Pacific Land Resources | 3209 | | | 16' Facility Road | Fiber Optic Line | | Unknown | Unknown | 1332691 | 769533 | Union Pacific Land Resources | |
| Unknown | 3210 | | | 16' Turbine Road | Fiber Optic Line | | Unknown | Unknown | 1333516 | 769255 | Union Pacific Land Resources | |
| Unknown | 3211 | | | Water Line | Fiber Optic Line | | Unknown | Unknown | 1339171 | 762114 | TOTCO | |
| Unknown | 3211 | | | Overhead Collection Line | Fiber Optic Line | | Unknown | Unknown | 1339119 | 762182 | TOTCO | |
| Unknown | 3212 | | | 24" Arterial Road | Fiber Optic Line | | Unknown | Unknown | 1339392 | 761935 | TOTCO | |
| Unknown | 3213 | | | 16" Turbine Road | Fiber Optic Line | | Unknown | Unknown | 1339382 | 761568 | TOTCO | |
| Unknown | 3214 | | | 24' Arterial Road | Fiber Optic Line | | Unknown | Unknown | 1339029 | 760092 | BLM | |
| City of Rawlins | 4201 | | | Water Line | Water Line | | Unknown | Unknown | 1353920 | 795125 | Union Pacific Land Resources | |
| City of Rawlins | 4202 | | | Water Line | Sanitary Sewer | | Unknown | Unknown | 1354000 | 795066 | Union Pacific Railroad Company | |
| City of Rawlins | 4203 | | | Sanitary Sewer | Water Line | | Unknown | Unknown | 1354024 | 794986 | Union Pacific Railroad Company | |
| City of Rawlins | 4204 | | | Power Line | Water Line | | Unknown | Unknown | 1356159 | 794549 | Union Pacific Railroad Company | |
| City of Rawlins | 4205 | | | Utility Corridor | Water Line | | Unknown | Unknown | 1356247 | 794402 | Union Pacific Railroad Company | |
| Rocky Mountain Power (PacifiCorp) | 5201 | | | Utility Corridor | Transmission Line | | Unknown | Unknown | 1357182 | 788257 | Union Pacific Land Resources | |
| Unknown | 5202 | | | Water Line | Electrical Distribution Line | | Unknown | Unknown | 1330363 | 768406 | BLM | |
| Unknown | 5203 | | | Facility Pad Grading | Electrical Distribution Line | | Unknown | Unknown | 1319777 | 712063 | TOTCO | |
| Unknown | 5204 | | | 16' Facility Road | Electrical Distribution Line | | Unknown | Unknown | 1320940 | 711593 | BLM | |
| Unknown | 5205 | | | 24' Arterial Road | Electrical Distribution Line | | Unknown | Unknown | 1321730 | 711274 | BLM | |
| Unknown | 5206 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1324855 | 711080 | TOTCO | |
| Unknown | 5207 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1325963 | 712405 | TOTCO | |
| Unknown | 5208 | | | Turbine Pad | Electrical Distribution Line | | Unknown | Unknown | 1327860 | 714678 | BLM | |
| Unknown | 5209 | | | Overhead Transmission Line | Electrical Distribution Line | | Unknown | Unknown | 1323765 | 707007 | TOTCO | |
| Unknown | 5210 | | | 12' Structure Road | Electrical Distribution Line | | Unknown | Unknown | 1322772 | 703056 | TOTCO | |
| Unknown | 5211 | | | Unimproved Access Route | Electrical Distribution Line | | Unknown | Unknown | 1322473 | 702439 | TOTCO | |
| Unknown | 5212 | | | Overhead Transmission Line | Electrical Distribution Line | | Unknown | Unknown | 1321992 | 701434 | BLM | |
| Unknown | 5213 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1325047 | 690032 | BLM | |
| Unknown | 5214 | | | Overhead Collection Line | Electrical Distribution Line | | Unknown | Unknown | 1326002 | 688310 | TOTCO | |
| Unknown | 5215 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1327649 | 684878 | State Board Lands | |
| Unknown | 5216 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1327704 | 683010 | State Board Lands | |
| Unknown | 5217 | | | Overhead Collection Line | Electrical Distribution Line | | Unknown | Unknown | 1327735 | 681750 | TOTCO | |
| Unknown | 5218 | | | Water Line | Electrical Distribution Line | | Unknown | Unknown | 1327721 | 681682 | TOTCO | |
| Unknown | 5219 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1327616 | 681399 | TOTCO | |
| Unknown | 5220 | | | Water Line | Electrical Distribution Line | | Unknown | Unknown | 1328243 | 681075 | TOTCO | |
| Unknown | 5221 | | | 36' Crane Path | Electrical Distribution Line | | Unknown | Unknown | 1328397 | 680987 | TOTCO | |
| Unknown | 5222 | | | Overhead Collection Line | Electrical Distribution Line | | Unknown | Unknown | 1328563 | 680892 | TOTCO | |
| Unknown | 5223 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1329808 | 680170 | TOTCO | |
| Unknown | 5224 | | | Turbine Pad | Electrical Distribution Line | | Unknown | Unknown | 1331485 | 679259 | TOTCO | |
| Unknown | 5225 | | | 36' Crane Path | Electrical Distribution Line | | Unknown | Unknown | 1332088 | 679123 | TOTCO | |
| Unknown | 5226 | | | 36' Crane Path | Electrical Distribution Line | | Unknown | Unknown | 1332406 | 679067 | BLM | |
| Unknown | 5227 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1333335 | 678864 | BLM | |
| Unknown | 5228 | | | Turbine Pad | Electrical Distribution Line | | Unknown | Unknown | 1335390 | 678297 | TOTCO | |
| Unknown | 5229 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1335701 | 678205 | TOTCO | |
| Unknown | 5230 | | | 16' Turbine Road | Electrical Distribution Line | | Unknown | Unknown | 1337852 | 677606 | BLM | |

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Checked: RC/PC
Drawn: KM/TR
Record Drawing by/date:

Revisions:

| # | DATE | DESCRIPTION |
|---|---|---|
| | | |

Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Utility Crossings

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 30 OF 254

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## Phase 1 Wind Development Area Wind Turbine Generator Sites and Related Infrastructure Fence Crossing Schedule

| Crossing Number | Proposed Improvement Name | Proposed Improvement Description | Station | Crossing Detail | Landowner 1 | Landowner 2 (If applicable) | Notes | Coordinate (NAD83 Wyoming State Plane, East Central Zone, US Feet) X | Coordinate (NAD83 Wyoming State Plane, East Central Zone, US Feet) Y | Coordinate (UTM83 Zone 13, Meter) Easting | Coordinate (UTM83 Zone 13, Meter) Northing |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9001 | HAY GULCH ROAD | Arterial Road | 42+50 | CG02 | TOTCO | | See Note 3 | 1339345 | 765550 | 314081 | 4618957 |
| 9002 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1365556 | 744354 | 321893 | 4612282 |
| 9003 | | Structure Road | | CG01 | BLM | | See Note 3 | 1362056 | 724782 | 320665 | 4606347 |
| 9004 | | Structure Road | | CG01 | State Board Lands | | See Note 3 | 1362236 | 718055 | 320664 | 4604296 |
| 9005 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1352950 | 718075 | 317835 | 4604379 |
| 9006 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1352610 | 718075 | 317732 | 4604381 |
| 9007 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1351834 | 718076 | 317495 | 4604388 |
| 9008 | | Structure Road | | CG01 | BLM | | See Note 3 | 1350912 | 718079 | 317214 | 4604397 |
| 9009 | | Structure Road | | CG01 | BLM | | See Note 3 | 1350366 | 718081 | 317048 | 4604402 |
| 9010 | | Structure Road | | CG01 | BLM | | See Note 3 | 1350163 | 718082 | 316986 | 4604404 |
| 9011 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1332773 | 714596 | 311658 | 4603485 |
| 9012 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1332310 | 714141 | 311513 | 4603350 |
| 9013 | LMH ROAD AG | Turbine Road | 131+50 | CG02 | BLM | | See Note 3 | 1330694 | 713572 | 311016 | 4603190 |
| 9014 | LMH ROAD AG | Arterial Road | 48+25 | CG02 | TOTCO | | See Note 3 | 1323869 | 712382 | 308927 | 4602883 |
| 9015 | LMH ROAD G-01 | Turbine Road | | CG02 | TOTCO | | See Note 3 | 1323924 | 712357 | 308943 | 4602875 |
| 9016 | LMH ROAD AG | Arterial Road | 37+00 | CG02 | BLM | | See Note 3 | 1322839 | 711945 | 308609 | 4602759 |
| 9017 | LMH ROAD AI | Turbine Road | 5+25 | CG02 | TOTCO | | See Note 3 | 1324579 | 712058 | 309140 | 4602779 |
| 9018 | LMH CRANE AM | Crane Path | 7+75 | FN02 | TOTCO | | See Note 1 | 1327467 | 711829 | 310019 | 4602685 |
| 9019 | LMH ROAD AI | Turbine Road | 15+50 | CG02 | TOTCO | | See Note 3 | 1324825 | 711128 | 309208 | 4602493 |
| 9020 | LMH ROAD AJ | Turbine Road | 2+50 | CG02 | TOTCO | | See Note 3 | 1328642 | 711349 | 310373 | 4602529 |
| 9021 | | Structure Road | | FN02 | TOTCO | | See Note 1 | 1327715 | 710531 | 310083 | 4602288 |
| 9022 | | Structure Road | | FN02 | TOTCO | | See Note 1 | 1327752 | 710499 | 310094 | 4602278 |
| 9023 | | Structure Road | | FN02 | TOTCO | | See Note 1 | 1327762 | 710491 | 310097 | 4602275 |
| 9024 | | Structure Road | | FN02 | TOTCO | | See Note 1 | 1327775 | 710480 | 310101 | 4602272 |
| 9025 | LMH ROAD AI | Facility Road | | CG02 | TOTCO | | See Note 3 | 1327522 | 710122 | 310021 | 4602165 |
| 9026 | LMH ROAD AI | Facility Road | | CG02 | TOTCO | | See Note 3 | 1327516 | 710114 | 310019 | 4602162 |
| 9027 | LMH ROAD AI | Turbine Road | 46+00 | CG02 | TOTCO | | See Note 3 | 1327148 | 709641 | 309903 | 4602021 |
| 9028 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1327341 | 709299 | 309959 | 4601915 |
| 9029 | LMH ROAD AG | Arterial Road | 1+50 | CG02 | BLM | | See Note 3 | 1322514 | 709634 | 308491 | 4602057 |
| 9030 | LMH ROAD AF | Turbine Road | 2+25 | CG02 | BLM | | See Note 3 | 1322938 | 709670 | 308621 | 4602065 |
| 9031 | LMH ROAD F-03 | Turbine Road | | CG02 | TOTCO | | See Note 3 | 1323864 | 708849 | 308896 | 4601807 |
| 9032 | LMH ROAD AD | Turbine Road | 13+25 | CG02 | TOTCO | | See Note 3 | 1324917 | 708840 | 309217 | 4601795 |
| 9033 | LMH ROAD AN | Turbine Road | 0+00 | CG02 | TOTCO | | See Note 3 | 1322218 | 707427 | 308383 | 4601387 |
| 9034 | LMH ROAD AA | Turbine Road | 20+00 | CG02 | TOTCO | | See Note 3 | 1325580 | 707103 | 309405 | 4601261 |
| 9035 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1324604 | 705874 | 309097 | 4600894 |
| 9036 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1324323 | 705135 | 309005 | 4600671 |
| 9037 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1325152 | 703350 | 309243 | 4600121 |
| 9038 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1325493 | 702584 | 309341 | 4599884 |
| 9039 | | Structure Road | | CG01 | BLM | | See Note 3 | 1325622 | 701094 | 309368 | 4599429 |
| 9040 | UMH ROAD PJ | Turbine Road | 25+75 | CG02 | BLM | | See Note 3 | 1298972 | 706461 | 301291 | 4601284 |
| 9041 | UPPER MILLER ROAD | Arterial Road | 663+00 | CG02 | BLM | | See Note 3 | 1301054 | 707416 | 301934 | 4601558 |
| 9042 | UMH RADIUS Q1 | Turbine Road | 3+25 | CG02 | BLM | | See Note 3 | 1304115 | 707559 | 302867 | 4601576 |
| 9043 | UPPER MILLER ROAD | Arterial Road | 603+50 | CG02 | TOTCO | | See Note 3 | 1306285 | 708302 | 303535 | 4601785 |
| 9044 | UPPER MILLER ROAD | Arterial Road | 599+75 | CG02 | TOTCO | | See Note 3 | 1306570 | 708044 | 303620 | 4601704 |
| 9045 | UMH ROAD H-02 | Turbine Road | | CG02 | TOTCO | | See Note 3 | 1306566 | 707854 | 303617 | 4601646 |
| 9046 | UPPER MILLER ROAD | Arterial Road | 596+50 | CG02 | TOTCO | | See Note 3 | 1306793 | 707842 | 303686 | 4601641 |
| 9047 | UMH ROAD QH | Turbine Road | 11+50 | CG02 | BLM | | See Note 3 | 1309222 | 706003 | 304411 | 4601060 |
| 9048 | UMH ROAD QF | Turbine Road | 4+00 | CG02 | BLM | | See Note 3 | 1309606 | 705767 | 304526 | 4600985 |
| 9049 | UPPER MILLER ROAD | Arterial Road | 551+50 | CG02 | TOTCO | | See Note 3 | 1310673 | 705972 | 304853 | 4601039 |
| 9050 | UMH ROAD QA | Turbine Road | 9+50 | CG02 | TOTCO | | See Note 3 | 1312233 | 704148 | 305313 | 4600470 |
| 9051 | UMH ROAD RM | Turbine Road | 15+75 | CG02 | Other Private | | See Note 3 | 1314782 | 702567 | 306077 | 4599967 |
| 9052 | UPPER MILLER ROAD | Arterial Road | 456+50 | CG02 | TOTCO | | See Note 3 | 1316971 | 701225 | 306733 | 4599540 |
| 9053 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1321338 | 701278 | 308064 | 4599521 |
| 9054 | UMH ROAD SG | Turbine Road | 4+00 | CG02 | TOTCO | | See Note 3 | 1318229 | 698880 | 307097 | 4598815 |
| 9055 | UMH ROAD SF | Turbine Road | 28+00 | CG02 | TOTCO | | See Note 3 | 1318564 | 698253 | 307194 | 4598622 |
| 9056 | UPPER MILLER ROAD | Arterial Road | 406+50 | CG02 | BLM | | See Note 3 | 1317038 | 697076 | 306719 | 4598276 |
| 9057 | UMH ROAD SF | Turbine Road | 15+00 | CG02 | BLM | | See Note 3 | 1318024 | 697081 | 307020 | 4598269 |
| 9058 | LMH ROAD DA | Turbine Road | 42+50 | CG02 | BLM | | See Note 3 | 1323667 | 697134 | 308740 | 4598239 |
| 9059 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1326435 | 697511 | 309586 | 4598331 |
| 9061 | LMH CRANE DJ | Crane Path | | FN02 | TOTCO | | See Note 1 | 1327071 | 696009 | 309768 | 4597868 |
| 9062 | UMH ROAD RM | Turbine Road | 107+50 | CG02 | TOTCO | | See Note 3 | 1312450 | 694979 | 305304 | 4597674 |
| 9063 | LMH ROAD DF | Turbine Road | 22+00 | CG02 | TOTCO | | See Note 3 | 1323335 | 694354 | 308616 | 4597394 |
| 9064 | LMH ROAD DF | Turbine Road | 15+75 | CG02 | TOTCO | | See Note 3 | 1323949 | 694374 | 308803 | 4597395 |
| 9065 | LMH ROAD DH | Turbine Road | 117+25 | CG02 | BLM | | See Note 3 | 1338049 | 694861 | 313103 | 4597428 |

## Phase 1 Wind Development Area Wind Turbine Generator Sites and Related Infrastructure Fence Crossing Schedule

| Crossing Number | Proposed Improvement Name | Proposed Improvement Description | Station | Crossing Detail | Landowner 1 | Landowner 2 (If applicable) | Notes | Coordinate (NAD83 Wyoming State Plane, East Central Zone, US Feet) X | Coordinate (NAD83 Wyoming State Plane, East Central Zone, US Feet) Y | Coordinate (UTM83 Zone 13, Meter) Easting | Coordinate (UTM83 Zone 13, Meter) Northing |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9066 | LMH ROAD DE | Turbine Road | 3+00 | CG02 | BLM | | See Note 3 | 1326327 | 693458 | 309520 | 4597097 |
| 9067 | | Structure Road | | CG01 | BLM | | See Note 3 | 1326385 | 692628 | 309531 | 4596843 |
| 9068 | LMH ROAD EA | Turbine Road | 7+00 | CG02 | TOTCO | | See Note 3 | 1326501 | 691766 | 309559 | 4596579 |
| 9069 | | Structure Road | | CG01 | TOTCO | | See Note 3 | 1326590 | 691101 | 309581 | 4596376 |
| 9070 | LMH ROAD EA | Turbine Road | 33+75 | CG02 | TOTCO | | See Note 3 | 1326712 | 690221 | 309611 | 4596107 |
| 9071 | UMH ROAD RB | Turbine Road | 18+50 | CG02 | BLM | | See Note 3 | 1312886 | 689434 | 305391 | 4595981 |
| 9072 | UMH ROAD RB | Turbine Road | 14+75 | CG02 | BLM | | See Note 3 | 1313272 | 689368 | 305508 | 4595958 |
| 9073 | UMH ROAD RC | Turbine Road | 2+50 | CG02 | BLM | | See Note 3 | 1312832 | 689367 | 305374 | 4595961 |
| 9074 | UPPER MILLER ROAD | Arterial Road | 314+50 | CG02 | BLM | | See Note 3 | 1314600 | 689257 | 305912 | 4595913 |
| 9075 | UMH ROAD RB | Turbine Road | 2+00 | CG02 | BLM | | See Note 3 | 1314526 | 689240 | 305889 | 4595908 |
| 9076 | UMH ROAD C-04 | Turbine Road | | CG02 | BLM | | See Note 3 | 1313803 | 689073 | 305667 | 4595863 |
| 9077 | UMH ROAD RD | Turbine Road | 3+00 | CG02 | BLM | | See Note 3 | 1312237 | 688644 | 305187 | 4595745 |
| 9078 | LMH CRANE EP | Crane Path | 23+00 | FN02 | TOTCO | | See Note 1 | 1324225 | 686388 | 308821 | 4594960 |
| 9079 | UPPER MILLER ROAD | Arterial Road | 256+50 | CG02 | BLM | | See Note 3 | 1314853 | 684139 | 305947 | 4594351 |
| 9080 | UMH ROAD RA | Turbine Road | 1+75 | CG02 | BLM | | See Note 3 | 1314845 | 684097 | 305944 | 4594338 |
| 9081 | LMH ROAD EN | Turbine Road | 3+50 | CG02 | State Board Lands | | See Note 3 | 1327767 | 684871 | 309888 | 4594468 |
| 9082 | LMH ROAD EN | Turbine Road | 1+00 | CG02 | State Board Lands | | See Note 3 | 1327993 | 684928 | 309957 | 4594484 |
| 9083 | LMH ROAD FB | Turbine Road | 1+50 | CG02 | TOTCO | | See Note 3 | 1327823 | 682493 | 309886 | 4593743 |
| 9084 | LMH ROAD FB | Turbine Road | 2+50 | CG02 | TOTCO | | See Note 3 | 1327887 | 682447 | 309905 | 4593729 |
| 9085 | LMH ROAD FC | Turbine Road | 3+00 | CG02 | TOTCO | | See Note 3 | 1327778 | 682312 | 309870 | 4593688 |
| 9086 | LMH ROAD FB | Turbine Road | 15+00 | CG02 | TOTCO | | See Note 3 | 1329026 | 682097 | 310249 | 4593613 |
| 9087 | LMH CRANE FS | Crane Path | 22+50 | FN02 | BLM | | See Note 1 | 1333566 | 682626 | 311637 | 4593736 |
| 9088 | LMH ROAD FH | Turbine Road | 10+50 | CG02 | TOTCO | | See Note 3 | 1333582 | 682296 | 311639 | 4593636 |
| 9089 | LMH ROAD B-07 | Turbine Road | | CG02 | TOTCO | | See Note 3 | 1334144 | 682295 | 311810 | 4593631 |
| 9090 | LMH ROAD FO | Turbine Road | 3+50 | CG02 | BLM | | See Note 3 | 1337591 | 679368 | 312836 | 4592711 |
| 9091 | LMH ROAD FN | Turbine Road | 9+00 | CG02 | BLM | | See Note 3 | 1337533 | 679238 | 312818 | 4592671 |
| 9092 | LMH ROAD FP | Turbine Road | 3+00 | CG02 | BLM | | See Note 3 | 1336710 | 677399 | 312552 | 4592118 |
| 9093 | UPPER MILLER ROAD | Arterial Road | 136+25 | CG02 | BLM | | See Note 3 | 1323152 | 677395 | 308420 | 4592228 |
| 9094 | UMH ROAD TH | Turbine Road | 15+00 | CG02 | BLM | | See Note 3 | 1321985 | 676534 | 308058 | 4591975 |
| 9095 | UMH ROAD TG | Turbine Road | 9+50 | CG02 | BLM | | See Note 3 | 1324214 | 675461 | 308728 | 4591630 |
| 9096 | UMH ROAD C-24 | Turbine Road | | CG02 | BLM | | See Note 3 | 1325740 | 674682 | 309187 | 4591380 |
| 9097 | UPPER MILLER ROAD | Arterial Road | 95+50 | CG02 | BLM | | See Note 3 | 1325841 | 674629 | 309217 | 4591363 |
| 9098 | UPPER MILLER ROAD | Arterial Road | 90+00 | CG02 | BLM | | See Note 3 | 1326317 | 674380 | 309360 | 4591283 |
| 9099 | UMH ROAD C-25 | Turbine Road | | CG02 | BLM | | See Note 3 | 1326646 | 674210 | 309459 | 4591229 |
| 9100 | UMH ROAD UI | Turbine Road | 4+75 | CG02 | BLM | | See Note 3 | 1326888 | 674088 | 309531 | 4591189 |
| 9101 | UMH ROAD TE | Turbine Road | 6+50 | CG02 | BLM | | See Note 3 | 1330060 | 674106 | 310498 | 4591169 |
| 9102 | UMH ROAD TB | Turbine Road | 5+00 | CG02 | BLM | | See Note 3 | 1332937 | 673293 | 311368 | 4590897 |
| 9103 | UMH ROAD UA | Turbine Road | 18+00 | CG02 | BLM | | See Note 3 | 1334659 | 672821 | 311889 | 4590740 |
| 9105 | UMH ROAD TA | Turbine Road | 3+00 | CG02 | BLM | | See Note 3 | 1333659 | 672590 | 311583 | 4590678 |
| 9106 | UMH ROAD UA | Arterial Road | 2+00 | CG02 | BLM | | See Note 3 | 1333709 | 672525 | 311597 | 4590657 |
| 9107 | UMH ROAD UA | Turbine Road | 8+75 | CG02 | BLM | | See Note 3 | 1333957 | 672211 | 311670 | 4590559 |
| 9108 | UMH ROAD UC | Turbine Road | 2+75 | CG02 | BLM | | See Note 3 | 1334043 | 672103 | 311696 | 4590526 |
| 9109 | UMH ROAD UC | Turbine Road | 3+25 | CG02 | BLM | | See Note 3 | 1334076 | 672079 | 311705 | 4590518 |
| 9500 | | Watermain | | FN02 | BLM | | See Note 1 | 1366207 | 780113 | 322386 | 4623172 |
| 9501 | | Watermain | | FN02 | BLM | | See Note 1 | 1330200 | 768224 | 311316 | 4619847 |
| 9502 | | Emergency Egress | | CG01 | BLM | | See Note 3 | 1330199 | 768155 | 311316 | 4619826 |
| 9503 | | Emergency Egress | | CG01 | TOTCO | | See Note 3 | 1331881 | 714779 | 311388 | 4603548 |
| 9504 | | Watermain | | FN02 | BLM | | See Note 1 | 1322522 | 709683 | 308494 | 4602072 |
| 9507 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1323863 | 706122 | 308829 | 4601048 |
| 9506 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1323773 | 706296 | 308847 | 4601030 |
| 9505 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1323710 | 706354 | 308873 | 4600976 |
| 9510 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1323669 | 704450 | 308857 | 4600530 |
| 9509 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1323775 | 704574 | 308834 | 4600505 |
| 9508 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1323849 | 704659 | 308801 | 4600468 |
| 9511 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1321349 | 701343 | 308068 | 4599540 |
| 9512 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1321332 | 701262 | 308062 | 4599516 |
| 9513 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1321324 | 701150 | 308059 | 4599482 |
| 9514 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1317835 | 699002 | 306983 | 4599039 |
| 9517 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1317315 | 700590 | 306879 | 4599253 |
| 9516 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1317368 | 700493 | 306848 | 4599314 |
| 9515 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1317477 | 700296 | 306833 | 4599344 |
| 9518 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1315402 | 702199 | 306263 | 4599850 |
| 9519 | UMH RADIUS Q1 | Turbine Road | 2+50 | CG02 | BLM | | See Note 3 | 1303922 | 707553 | 302809 | 4601576 |
| 9520 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1301755 | 707446 | 302147 | 4601561 |

## Phase 1 Wind Development Area Wind Turbine Generator Sites and Related Infrastructure Fence Crossing Schedule

| Crossing Number | Proposed Improvement Name | Proposed Improvement Description | Station | Crossing Detail | Landowner 1 | Landowner 2 (If applicable) | Notes | Coordinate (NAD83 Wyoming State Plane, East Central Zone, US Feet) X | Coordinate (NAD83 Wyoming State Plane, East Central Zone, US Feet) Y | Coordinate (UTM83 Zone 13, Meter) Easting | Coordinate (UTM83 Zone 13, Meter) Northing |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9521 | | Unimproved Access | | FN02 | BLM | | See Note 1 | 1317754 | 697083 | 306937 | 4598272 |
| 9522 | | Unimproved Access | | FN02 | TOTCO | | See Note 1 | 1326907 | 688785 | 309658 | 4595668 |
| 9523 | | Unimproved Access | | FN02 | State Board Lands | | See Note 1 | 1327758 | 684999 | 309886 | 4594507 |
| 9524 | | Unimproved Access | | FN02 | State Board Lands | | See Note 1 | 1327798 | 684343.3 | 309893 | 4594307 |
| 9525 | LMH ROAD DA | Turbine Road | 15+50 | CG02 | TOTCO | | See Note 3 | 1325662 | 698366.6 | 309358 | 4598598 |
| 9526 | Chokecherry Laydown Yard | Laydown Yard | | FN02 | TOTCO | BLM | See Note 1 | 1362044 | 729364.7 | 320699 | 4607744 |
| 9527 | | Watermain | | FN02 | BLM | | See Note 1 | 1325741 | 715269.8 | 309521 | 4603748 |
| 9528 | | Watermain | | FN02 | TOTCO | | See Note 1 | 1324819 | 714415.8 | 309233 | 4603495 |
| 9529 | LMH-G-01 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1324061 | 712286.3 | 308984 | 4602853 |
| 9530 | LMH-G-02 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1324712 | 711991.2 | 309180 | 4602757 |
| 9531 | LMH-G-03 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1324916 | 711307.3 | 309237 | 4602547 |
| 9532 | | Crane Assembly Area | | FN02 | BLM | | See Note 1 | 1330099 | 712935.8 | 310830 | 4603001 |
| 9533 | LMH-H-03 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1328123 | 711987.2 | 310220 | 4602728 |
| 9534 | LMH-H-04 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1328853 | 711599.9 | 310439 | 4602604 |
| 9535 | East Deadman Laydown Yard | Laydown Yard | | FN02 | BLM | | See Note 1 | 1334903 | 711171.3 | 312279 | 4602424 |
| 9536 | UMH-G-02 | Turbine Pad | | FN03 | BLM | TOTCO | See Note 3 | 1303376 | 707533.2 | 302642 | 4601575 |
| 9537 | LMH-F-03 | Turbine Pad/ Unimproved Access | | FN03 | TOTCO | | See Note 3 | 1323792 | 708916.8 | 308875 | 4601828 |
| 9538 | LMH-F-06 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1325642 | 707176.8 | 309424 | 4601283 |
| 9539 | McCarthy Substation (SM-A) | Substation | | FN03 | TOTCO | | See Note 2 | 1327351 | 710552.7 | 309973 | 4602297 |
| 9540 | UMH-F-19 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1314400 | 696457 | 305910 | 4598109 |
| 9541 | LMH ROAD DA | Turbine Road | | FN02 | BLM | | See Note 1 | 1325247 | 698396.7 | 309232 | 4598610 |
| 9542 | UMH-E-05 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1312641 | 695126 | 305363 | 4597717 |
| 9543 | UMH-C-03 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1312574 | 689060.1 | 305293 | 4595870 |
| 9544 | UMH-E-11 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1316479 | 691622.4 | 306504 | 4596618 |
| 9545 | UMH ROAD SC | Turbine Road | | FN02 | TOTCO | | See Note 1 | 1315797 | 689970.3 | 306282 | 4596120 |
| 9546 | UMH-B-03 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1312647 | 684847.1 | 305280 | 4594585 |
| 9547 | UMH-C-06 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1314972 | 684737.8 | 305988 | 4594533 |
| 9548 | UMH-C-25 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1326520 | 674276.8 | 309421 | 4591250 |
| 9549 | UMH-C-27 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1328779 | 674071.7 | 310108 | 4591169 |
| 9550 | UMH-C-28 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1329745 | 674110.2 | 310403 | 4591173 |
| 9551 | UMH ROAD UA | Turbine Road | | CG02 | BLM | | See Note 3 | 1334704 | 672956.7 | 311904 | 4590781 |
| 9552 | UMH ROAD UC | Turbine Road | | FN02 | BLM | | See Note 1 | 1334683 | 671294.2 | 311884 | 4590274 |
| 9553 | UMH-C-04 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1313998 | 689122.1 | 305727 | 4595877 |
| 9554 | LMH-C-01 | Turbine Pad | | FN03 | TOTCO | | See Note 3 | 1323138 | 694442.8 | 308556 | 4597423 |
| 9555 | UMH-C-24 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1325579 | 674766 | 309138 | 4591407 |
| 9556 | UMH-C-31 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1332791 | 673337.4 | 311324 | 4590912 |
| 9557 | UMH-C-33 | Turbine Pad | | FN03 | BLM | | See Note 3 | 1333843 | 672358 | 311637 | 4590605 |
| 9558 | | Structure Road | | CG01 | BLM | TOTCO | See Note 3 | 1331169 | 712840.7 | 311155 | 4602963 |
| 9559 | | Structure Road | | CG01 | BLM | TOTCO | See Note 3 | 1330854 | 712472.1 | 311056 | 4602853 |
| 9560 | LMH ROAD BD | Turbine Road | 4+00 | CG02 | BLM | TOTCO | See Note 3 | 1330868 | 709029.3 | 311032 | 4601804 |
| 9561 | Chokecherry Road | Haul Road | 316+50 | CG02 | BLM | TOTCO | See Note 3 | 1330877 | 707775.2 | 311024 | 4601422 |
| 9562 | LMH ROAD BB | Turbine Road | 42+25 | CG02 | BLM | TOTCO | See Note 3 | 1333731 | 707572.3 | 311892 | 4601337 |

NOTES:

1. EXISTING FENCE TO BE REMOVED TEMPORARILY AND REPLACED WHEN CONSTRUCTION IS COMPLETE OR FACILITY IS REMOVED.
2. EXISTING FENCE TO BE RELOCATED BEYOND PROPOSED CONSTRUCTION.
3. EXISTING FENCE TO BE REMOVED, FENCELINE RELOCATED TO CROSS ROAD PERPENDICULARLY WITH GATE OR CATTLE GUARD AT ROAD CROSSING.

Westwood Professional Services, Inc.
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Checked: RC/PC
Drawn: KM/TR
Record Drawing by/date:

Revisions:

| # | DATE | DESCRIPTION |
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Prepared for:

Power Company of Wyoming LLC
555 Seventeenth Street, Suite 2400
Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Fence Crossings

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

Date: 01/05/15
Sheet: 31 OF 254

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## Structure Index - Phase I Wind Development Areas

| Structure Number | Northing | Easting | Structure Type | Typical Detail |
|---|---|---|---|---|
| TA-001 | 689639 | 1327594 | Riser | 230kV Single Circuit-Riser |
| TA-002 | 689727 | 1327548 | DeadEnd | 230kV Single Circuit-Light Dead End |
| TA-003 | 690415 | 1327573 | DeadEnd | 230kV Single Circuit-Light Dead End |
| TA-004 | 691118 | 1327121 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TA-005 | 691936 | 1326734 | Tangent | 230kV Single Circuit-Tangent |
| TA-006 | 692634 | 1326404 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TA-007 | 693388 | 1326442 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TA-008 | 694240 | 1326690 | Tangent | 230kV Single Circuit-Tangent |
| TA-009 | 695129 | 1326950 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TA-010 | 695961 | 1326765 | Tangent | 230kV Single Circuit-Tangent |
| TA-011 | 696705 | 1326599 | Tangent | 230kV Single Circuit-Tangent |
| TA-012 | 697453 | 1326433 | Tangent | 230kV Single Circuit-Tangent |
| TA-013 | 698253 | 1326255 | Tangent | 230kV Single Circuit-Tangent |
| TA-014 | 699123 | 1326061 | Tangent | 230kV Single Circuit-Tangent |
| TA-015 | 699886 | 1325891 | Tangent | 230kV Single Circuit-Tangent |
| TA-016 | 700773 | 1325694 | Tangent | 230kV Single Circuit-Tangent |
| TA-017 | 701626 | 1325504 | Tangent | 230kV Single Circuit-Tangent |
| TA-018 | 702458 | 1325318 | Tangent | 230kV Single Circuit-Tangent |
| TA-019 | 703140 | 1325167 | Tangent | 230kV Single Circuit-Tangent |
| TA-020 | 704041 | 1324966 | Tangent | 230kV Single Circuit-Tangent |
| TA-021 | 704726 | 1324813 | Tangent | 230kV Single Circuit-Tangent |
| TA-022 | 705340 | 1324677 | Tangent | 230kV Single Circuit-Tangent |
| TA-023 | 705888 | 1324555 | Tangent | 230kV Single Circuit-Tangent |
| TA-024 | 706500 | 1324419 | DeadEnd | 230kV Single Circuit-Light Dead End |
| TA-025 | 706950 | 1324882 | Tangent | 230kV Single Circuit-Tangent |
| TA-026 | 707501 | 1325450 | Tangent | 230kV Single Circuit-Tangent |
| TA-027 | 707906 | 1325868 | Tangent | 230kV Single Circuit-Tangent |
| TA-028 | 708622 | 1326606 | Tangent | 230kV Single Circuit-Tangent |
| TA-029 | 708971 | 1326965 | Tangent | 230kV Single Circuit-Tangent |
| TA-030 | 709393 | 1327400 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TA-031 | 709784 | 1327939 | Tangent | 230kV Single Circuit-Tangent |
| TA-032 | 710423 | 1328821 | Tangent | 230kV Single Circuit-Tangent |
| TA-033 | 710882 | 1329454 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TA-034 | 711521 | 1330009 | Tangent | 230kV Double Circuit-Tangent |
| TA-035 | 712119 | 1330528 | Tangent | 230kV Double Circuit-Tangent |
| TA-036 | 712630 | 1330972 | Tangent | 230kV Double Circuit-Tangent |
| TA-037 | 713150 | 1331424 | Tangent | 230kV Double Circuit-Tangent |
| TA-038 | 713680 | 1331885 | Tangent | 230kV Double Circuit-Tangent |
| TA-039 | 714164 | 1332305 | LightAng | 230kV Double Circuit-Light Angle |
| TA-040 | 714647 | 1332851 | Tangent | 230kV Double Circuit-Tangent |
| TA-041 | 714918 | 1333158 | LightAng | 230kV Double Circuit-Light Angle |
| TA-042 | 715272 | 1333760 | Tangent | 230kV Double Circuit-Tangent |
| TA-043 | 715781 | 1334627 | Tangent | 230kV Double Circuit-Tangent |
| TA-044 | 716336 | 1335574 | Tangent | 230kV Double Circuit-Tangent |
| TA-045 | 716901 | 1336536 | Tangent | 230kV Double Circuit-Tangent |
| TA-046 | 717441 | 1337456 | Tangent | 230kV Double Circuit-Tangent |
| TA-047 | 717971 | 1338360 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-048 | 717978 | 1338948 | Tangent | 230kV Double Circuit-Tangent |
| TA-049 | 717990 | 1340078 | Tangent | 230kV Double Circuit-Tangent |
| TA-050 | 718002 | 1341104 | Tangent | 230kV Double Circuit-Tangent |
| TA-051 | 718011 | 1341995 | Tangent | 230kV Double Circuit-Tangent |
| TA-052 | 718023 | 1343005 | Tangent | 230kV Double Circuit-Tangent |
| TA-053 | 718031 | 1343802 | Tangent | 230kV Double Circuit-Tangent |
| TA-054 | 718041 | 1344650 | Tangent | 230kV Double Circuit-Tangent |
| TA-055 | 718038 | 1345413 | Tangent | 230kV Double Circuit-Tangent |
| TA-056 | 718036 | 1346126 | Tangent | 230kV Double Circuit-Tangent |
| TA-057 | 718033 | 1347010 | Tangent | 230kV Double Circuit-Tangent |
| TA-058 | 718031 | 1347711 | Tangent | 230kV Double Circuit-Tangent |
| TA-059 | 718028 | 1348586 | Tangent | 230kV Double Circuit-Tangent |
| TA-060 | 718025 | 1349499 | Tangent | 230kV Double Circuit-Tangent |
| TA-061 | 718022 | 1350395 | Tangent | 230kV Double Circuit-Tangent |
| TA-062 | 718020 | 1351020 | Tangent | 230kV Double Circuit-Tangent |
| TA-063 | 718018 | 1351686 | Tangent | 230kV Double Circuit-Tangent |
| TA-064 | 718015 | 1352581 | Tangent | 230kV Double Circuit-Tangent |
| TA-065 | 718011 | 1353640 | Tangent | 230kV Double Circuit-Tangent |
| TA-066 | 718008 | 1354716 | Tangent | 230kV Double Circuit-Tangent |
| TA-067 | 718005 | 1355717 | Tangent | 230kV Double Circuit-Tangent |
| TA-068 | 718001 | 1356797 | Tangent | 230kV Double Circuit-Tangent |
| TA-069 | 717998 | 1357788 | Tangent | 230kV Double Circuit-Tangent |
| TA-070 | 717995 | 1358730 | Tangent | 230kV Double Circuit-Tangent |
| TA-071 | 717992 | 1359661 | Tangent | 230kV Double Circuit-Tangent |
| TA-072 | 717989 | 1360460 | Tangent | 230kV Double Circuit-Tangent |

## Structure Index - Phase I Wind Development Areas

| Structure Number | Northing | Easting | Structure Type | Typical Detail |
|---|---|---|---|---|
| TA-073 | 717987 | 1361095 | LightAng | 230kV Double Circuit-Light Angle |
| TA-074 | 718035 | 1361723 | Tangent | 230kV Double Circuit-Tangent |
| TA-075 | 718075 | 1362241 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-076 | 718570 | 1362992 | Tangent | 230kV Double Circuit-Tangent |
| TA-077 | 718998 | 1363639 | Tangent | 230kV Double Circuit-Tangent |
| TA-078 | 719461 | 1364342 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TA-079 | 720127 | 1364319 | LightAng | 230kV Double Circuit-Light Angle |
| TA-080 | 721328 | 1364200 | Tangent | 230kV Double Circuit-Tangent |
| TA-081 | 721941 | 1364140 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-082 | 722658 | 1363653 | Tangent | 230kV Double Circuit-Tangent |
| TA-083 | 723385 | 1363160 | Tangent | 230kV Double Circuit-Tangent |
| TA-084 | 724069 | 1362696 | Tangent | 230kV Double Circuit-Tangent |
| TA-085 | 724791 | 1362206 | Tangent | 230kV Double Circuit-Tangent |
| TA-086 | 725567 | 1361680 | Tangent | 230kV Double Circuit-Tangent |
| TA-087 | 725984 | 1361397 | Tangent | 230kV Double Circuit-Tangent |
| TA-088 | 726776 | 1360860 | Tangent | 230kV Double Circuit-Tangent |
| TA-089 | 727588 | 1360309 | Tangent | 230kV Double Circuit-Tangent |
| TA-090 | 728247 | 1359862 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TA-091 | 728872 | 1360132 | Tangent | 230kV Double Circuit-Tangent |
| TA-092 | 729415 | 1360367 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-093 | 729889 | 1361001 | Tangent | 230kV Double Circuit-Tangent |
| TA-094 | 730413 | 1361701 | Tangent | 230kV Double Circuit-Tangent |
| TA-095 | 731084 | 1362599 | Tangent | 230kV Double Circuit-Tangent |
| TA-096 | 731533 | 1363200 | Tangent | 230kV Double Circuit-Tangent |
| TA-097 | 732091 | 1363945 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-098 | 732557 | 1364169 | Tangent | 230kV Double Circuit-Tangent |
| TA-099 | 733201 | 1364480 | Tangent | 230kV Double Circuit-Tangent |
| TA-100 | 733854 | 1364793 | Tangent | 230kV Double Circuit-Tangent |
| TA-101 | 734644 | 1365173 | Tangent | 230kV Double Circuit-Tangent |
| TA-102 | 735799 | 1365729 | Tangent | 230kV Double Circuit-Tangent |
| TA-103 | 736308 | 1365974 | LightAng | 230kV Double Circuit-Light Angle |
| TA-104 | 737042 | 1366114 | Tangent | 230kV Double Circuit-Tangent |
| TA-105 | 737948 | 1366288 | Tangent | 230kV Double Circuit-Tangent |
| TA-106 | 738579 | 1366408 | Tangent | 230kV Double Circuit-Tangent |
| TA-107 | 739271 | 1366540 | LightAng | 230kV Double Circuit-Light Angle |
| TA-108 | 739736 | 1366615 | Tangent | 230kV Double Circuit-Tangent |
| TA-109 | 740276 | 1366702 | LightAng | 230kV Double Circuit-Light Angle |
| TA-110 | 741011 | 1366629 | Tangent | 230kV Double Circuit-Tangent |
| TA-111 | 741783 | 1366552 | LightAng | 230kV Double Circuit-Light Angle |
| TA-112 | 742261 | 1366385 | Tangent | 230kV Double Circuit-Tangent |
| TA-113 | 742767 | 1366209 | LightAng | 230kV Double Circuit-Light Angle |
| TA-114 | 743354 | 1365964 | Tangent | 230kV Double Circuit-Tangent |
| TA-115 | 744083 | 1365659 | Tangent | 230kV Double Circuit-Tangent |
| TA-116 | 744741 | 1365384 | Tangent | 230kV Double Circuit-Tangent |
| TA-117 | 745709 | 1364980 | Tangent | 230kV Double Circuit-Tangent |
| TA-118 | 746593 | 1364610 | Tangent | 230kV Double Circuit-Tangent |
| TA-119 | 747473 | 1364243 | LightAng | 230kV Double Circuit-Light Angle |
| TA-120 | 748449 | 1363959 | LightAng | 230kV Double Circuit-Light Angle |
| TA-121 | 749326 | 1363939 | Tangent | 230kV Double Circuit-Tangent |
| TA-122 | 750211 | 1363918 | Tangent | 230kV Double Circuit-Tangent |
| TA-123 | 751082 | 1363898 | LightAng | 230kV Double Circuit-Light Angle |
| TA-124 | 751509 | 1364001 | Tangent | 230kV Double Circuit-Tangent |
| TA-125 | 751988 | 1364116 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TA-126 | 752350 | 1364549 | Tangent | 230kV Double Circuit-Tangent |
| TA-127 | 752848 | 1365144 | Tangent | 230kV Double Circuit-Tangent |
| TA-128 | 753440 | 1365852 | Tangent | 230kV Double Circuit-Tangent |
| TA-129 | 753901 | 1366404 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-130 | 754131 | 1367193 | Tangent | 230kV Double Circuit-Tangent |
| TA-131 | 754449 | 1368289 | Tangent | 230kV Double Circuit-Tangent |
| TA-132 | 754594 | 1368787 | Tangent | 230kV Double Circuit-Tangent |
| TA-133 | 754892 | 1369812 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TA-134 | 755666 | 1370160 | Tangent | 230kV Double Circuit-Tangent |
| TA-135 | 756048 | 1370332 | DeadEnd | 230kV Double Circuit-Heavy Dead End |
| TA-136 | 756589 | 1369605 | Tangent | 230kV Double Circuit-Tangent |
| TA-137 | 757109 | 1368906 | Tangent | 230kV Double Circuit-Tangent |
| TA-138 | 757578 | 1368277 | Tangent | 230kV Double Circuit-Tangent |
| TA-139 | 758181 | 1367467 | Tangent | 230kV Double Circuit-Tangent |
| TA-140 | 758660 | 1366823 | Tangent | 230kV Double Circuit-Tangent |
| TA-141 | 759126 | 1366197 | Tangent | 230kV Double Circuit-Tangent |
| TA-142 | 759541 | 1365640 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-143 | 760243 | 1365285 | Tangent | 230kV Double Circuit-Tangent |
| TA-144 | 760944 | 1364932 | Tangent | 230kV Double Circuit-Tangent |

## Structure Index - Phase I Wind Development Areas

| Structure Number | Northing | Easting | Structure Type | Typical Detail |
|---|---|---|---|---|
| TA-145 | 762118 | 1364339 | Tangent | 230kV Double Circuit-Tangent |
| TA-146 | 762731 | 1364030 | LightAng | 230kV Double Circuit-Light Angle |
| TA-147 | 763599 | 1363659 | Tangent | 230kV Double Circuit-Tangent |
| TA-148 | 764419 | 1363309 | Tangent | 230kV Double Circuit-Tangent |
| TA-149 | 765357 | 1362908 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-150 | 765973 | 1362267 | Tangent | 230kV Double Circuit-Tangent |
| TA-151 | 766682 | 1361528 | Tangent | 230kV Double Circuit-Tangent |
| TA-152 | 767485 | 1360693 | Tangent | 230kV Double Circuit-Tangent |
| TA-153 | 768307 | 1359837 | Tangent | 230kV Double Circuit-Tangent |
| TA-154 | 768574 | 1359560 | LightAng | 230kV Double Circuit-Light Angle |
| TA-155 | 769052 | 1359032 | Tangent | 230kV Double Circuit-Tangent |
| TA-156 | 769627 | 1358398 | Tangent | 230kV Double Circuit-Tangent |
| TA-157 | 770205 | 1357760 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TA-158 | 771176 | 1357314 | LightAng | 230kV Double Circuit-Light Angle |
| TA-159 | 772086 | 1357050 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-160 | 772835 | 1357211 | Tangent | 230kV Double Circuit-Tangent |
| TA-161 | 773453 | 1357345 | Tangent | 230kV Double Circuit-Tangent |
| TA-162 | 774151 | 1357495 | Tangent | 230kV Double Circuit-Tangent |
| TA-163 | 774838 | 1357643 | Tangent | 230kV Double Circuit-Tangent |
| TA-164 | 775906 | 1357874 | Tangent | 230kV Double Circuit-Tangent |
| TA-165 | 776826 | 1358072 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TA-166 | 777124 | 1358994 | Tangent | 230kV Double Circuit-Tangent |
| TA-167 | 777450 | 1360004 | Tangent | 230kV Double Circuit-Tangent |
| TA-168 | 777730 | 1360874 | Tangent | 230kV Double Circuit-Tangent |
| TA-169 | 777975 | 1361633 | LightAng | 230kV Double Circuit-Light Angle |
| TA-170 | 778486 | 1362613 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TA-171 | 779650 | 1363355 | LightAng | 230kV Double Circuit-Light Angle |
| TA-172 | 780876 | 1363943 | Tangent | 230kV Double Circuit-Tangent |
| TA-173 | 782098 | 1364529 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TA-174 | 782350 | 1364674 | Riser | 230kV Double Circuit-Riser |
| TA-175 | 710454 | 1327368 | Riser | 230kV Single Circuit-Riser |
| TA-176 | 710673 | 1327545 | DeadEnd | 230kV Single Circuit-Light Dead End |
| TA-177 | 710759 | 1328327 | Tangent | 230kV Single Circuit-Tangent |
| TB-001 | 761270 | 1358729 | Riser | 230kV Single Circuit-Riser |
| TB-002 | 761285 | 1359026 | DeadEnd | 230kV Single Circuit-Light Dead End |
| TB-003 | 761426 | 1359836 | Tangent | 230kV Single Circuit-Tangent |
| TB-004 | 761607 | 1360870 | Tangent | 230kV Single Circuit-Tangent |
| TB-005 | 761788 | 1361912 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TB-006 | 762070 | 1362544 | Tangent | 230kV Single Circuit-Tangent |
| TB-007 | 762337 | 1363143 | Tangent | 230kV Single Circuit-Tangent |
| TB-008 | 762685 | 1363925 | DeadEnd | 230kV Single Circuit-Heavy Dead End |
| TB-009 | 763543 | 1363571 | Tangent | 230kV Single Circuit-Tangent |
| TB-010 | 764493 | 1363179 | Tangent | 230kV Single Circuit-Tangent |
| TB-011 | 765311 | 1362842 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TB-012 | 765926 | 1362202 | Tangent | 230kV Single Circuit-Tangent |
| TB-013 | 766644 | 1361453 | Tangent | 230kV Single Circuit-Tangent |
| TB-014 | 767427 | 1360638 | Tangent | 230kV Single Circuit-Tangent |
| TB-015 | 768248 | 1359783 | Tangent | 230kV Single Circuit-Tangent |
| TB-016 | 768514 | 1359506 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TB-017 | 768989 | 1358968 | Tangent | 230kV Single Circuit-Tangent |
| TB-018 | 769565 | 1358314 | Tangent | 230kV Single Circuit-Tangent |
| TB-019 | 770138 | 1357664 | DeadEnd | 230kV Single Circuit-Light Dead End |
| TB-020 | 771142 | 1357234 | SuspAng | 230kV Single Circuit-Suspension Angle |
| TB-021 | 772086 | 1356944 | DeadEnd | 230kV Double Circuit-Heavy Dead End |
| TB-022 | 772842 | 1357107 | Tangent | 230kV Double Circuit-Tangent |
| TB-023 | 773474 | 1357244 | Tangent | 230kV Double Circuit-Tangent |
| TB-024 | 774169 | 1357394 | Tangent | 230kV Double Circuit-Tangent |
| TB-025 | 774857 | 1357543 | Tangent | 230kV Double Circuit-Tangent |
| TB-026 | 775934 | 1357775 | Tangent | 230kV Double Circuit-Tangent |
| TB-027 | 776909 | 1357986 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TB-028 | 777223 | 1358962 | Tangent | 230kV Double Circuit-Tangent |
| TB-029 | 777548 | 1359972 | Tangent | 230kV Double Circuit-Tangent |
| TB-030 | 777811 | 1360791 | Tangent | 230kV Double Circuit-Tangent |
| TB-031 | 778069 | 1361593 | LightAng | 230kV Double Circuit-Light Angle |
| TB-032 | 778553 | 1362528 | HeavyAng | 230kV Double Circuit-Heavy Angle |
| TB-033 | 779676 | 1363265 | LightAng | 230kV Double Circuit-Light Angle |
| TB-034 | 780895 | 1363848 | Tangent | 230kV Double Circuit-Tangent |
| TB-035 | 782113 | 1364430 | DeadEnd | 230kV Double Circuit-Light Dead End |
| TB-036 | 782394 | 1364387 | Riser | 230kV Double Circuit-Riser |
| TB-037 | 772203 | 1356236 | Riser | 230kV Single Circuit-Riser |
| TB-038 | 772352 | 1356300 | DeadEnd | 230kV Single Circuit-Light Dead End |

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Checked: RC/PC
Drawn: KM/TR
Record Drawing by/date:

Revisions:

| # | DATE | DESCRIPTION |
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Prepared for:

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Denver, CO 80202 USA

# Chokecherry and Sierra Madre Wind Energy Project

Carbon County, Wyoming

## Transmission Structure Index

Phase I Wind Development Area Wind Turbine Sites & Related Infrastructure
NOT FOR CONSTRUCTION

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