NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

| PROJECT | SHEET NUMBER |
|---|---|
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| | |
|---|---|
| Δ | total central angle |
| Δc | curve central angle |
| Ø | diameter |
| θs | spiral central angle |
| abut. | abutment |
| ACP | asphalt concrete pavement |
| ADT | average daily traffic |
| Agg | aggregate |
| AH | ahead |
| AMD | amendment |
| appr. | approach |
| ASC | aggregate surface course |
| Asph | asphalt |
| BK | back |
| BL | baseline |
| bldg. | building |
| BM | bench mark |
| BP | balance point |
| br. | bridge |
| brg. | bearing |
| BW | broken white |
| cc or c. to c. | center to center |
| CL | centerline |
| CMP | corrugated metal pipe |
| col. | column |
| conc. | concrete |
| conn. | connection |
| constr. jt. | construction joint |
| cont. | continuous |
| CS | curve to spiral |
| ctrs. | centers |
| D | directional distribution factor |
| DHV | design hourly volume |
| dia. | diameter |
| diag. | diagonal |
| diaph. | diaphragm |
| dist. | distance |
| drwg(s). | drawing(s) |
| DSY | double solid yellow |
| DW or DTW | dotted white |
| DY or DTY | dotted yellow |
| E | east |
| e | superelevation rate |
| elec. | electric |
| elev. | elevation |
| emb. | embankment |
| EOP | edge of pavement |
| EOS | edge of shoulder |
| EOT | edge of travel way |
| EQ or eq. | equation |
| ER | edge of road |
| ESAL | equivalent single axle load |
| EW | edge of water |
| ex. or exist. | existing |
| exc. | excavation |
| exp. jt. | expansion joint |
| fin. | finish |
| flg. | flange |
| ftg. | footing |
| ga. | gage (gauge) |
| GAB | graded aggregate base |
| galv. | galvanized |
| gnd or grnd | ground |
| hdwl. | headwall |
| hex. | hexagon |
| HLSD | headlight sight distance |
| HW | high water |
| ID | inside diameter |
| INF | infinite |
| inv. | invert |
| jt. | joint |
| K | K-Value |
| L | length of curve |
| lam. | lamination |
| lat. | latitude |
| LOD | Limits of Disturbance |
| long. | longitudinal |
| LPSM | lump sum |
| Ls | length of spiral |
| lt. or LT | left |
| LW | low water |
| ML | main line |
| MOD | modification |
| MP | mile post |
| max. | maximum |
| min. | minimum |
| mon. | monument |
| N | north |
| NC | normal crown |
| NMSA | nominal maximum size aggregate |
| No. | number |
| o. c. | on center |
| ohwm | ordinary high water mark |
| o. to o. | out to out |
| OD | outside diameter |
| OG | original ground |
| PC | point of curve |
| PCC | point of compound curve |
| PCS | point of curve to spiral |
| PGL | profile grade line |
| PI | point of intersection |
| pl. | plate |
| POB | point of beginning |
| POC | point on curve |
| POE | point of ending |
| POS | point on spiral |
| POT | point on tangent |
| prop. | proposed |
| PS | point of tangent to spiral |
| PSC | point of spiral to curve |
| PST | point of spiral to tangent |
| PT | point of tangent |
| pvmt. | pavement |
| R | radius |
| R. | range |
| R/W | right-of-way |
| rdwy. | roadway |
| RECP | rolled erosion control product |
| reinf. | reinforcement |
| reqd. | required |
| rt. or RT | right |
| rte. | route |
| S | south |
| SADT | seasonal average daily traffic |
| SC | point of spiral to curve |
| sec. | section |
| shldr. | shoulder |
| spa. | spacing, spaces or spaced |
| sqft | square foot |
| sqyd | square yard |
| SRS | point of spiral to reverse spiral |
| SS | point of spiral to spiral (no curve) |
| SSD | stopping sight distance |
| ST | point of spiral to tangent |
| Sta. | station |
| std. | standard |
| stgr. | stringer |
| stiff. | stiffener |
| struc. | structural |
| STS | point of spiral to tangent spiral |
| SW or SDW | solid white |
| sym. | symmetrical |
| S/W | sidewalk |
| T | tangent distance |
| T. | township |
| TBM | temporary bench mark |
| thd. | thread |
| traf. | traffic |
| TS | point of tangent to spiral |
| Ts | tangent distance (spiraled curve) |
| typ. | typical |
| V | design speed |
| VC | vertical curve |
| var. | varies |
| vph | vehicles per hour |
| VPI | vertical point of intersection |
| W | west |

| | |
|---|---|
| Control Point (Terrestrial and GPS); Jump Hub | RBAR 3000 / JH |
| National Boundary | |
| State Boundary | |
| County Boundary | |
| City Boundary | |
| Township or Range Line | |
| Section Line | |
| Section Corner (Found, Projected) | 36 31 1 6 / 36 31 1 6 |
| ¼ Section Line | |
| ¼ Section Corner (Found, Projected) | 15 22 / 15 22 |
| 1/16 Section Line | |
| 1/16 Section Corner (Found, Projected) | 1/16 SEC. / 1/16 SEC. |
| Property Line w/Found Property Corner | P/L P/L |
| Parcel Number | 00000 |
| National Park Boundary | NP |
| National Forest Boundary | |
| National Wildlife Refuge Boundary | NWR |
| BLM Lands Boundary | |
| Indian Reservation Boundary | |
| Existing Roadway (Road, Paved, Gravel) | |
| Railroad | |
| Trail | |
| Intermittent Drainage or Small Creek | |
| Large Creek or River | |
| Lake, Pond or Reservoir | |
| Spring or Seep | |
| Treeline; Individual Trees | |
| Material Source; Bore Hole; Test Pit | BH TP |
| Spot Elevation; Coordinate Grid Tick | EL. 0.00 X / N 0 E 1 |

| NO. | DATE | BY | REVISIONS |
|---|---|---|---|
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FEDERAL HIGHWAY ADMINISTRATION
OFFICE OF FEDERAL LANDS HIGHWAY

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# SYMBOLS AND ABBREVIATIONS

NPS PMIS No. XXXXXX NPS Drwg No. XXX/XXXX

| PROJECT | SHEET NUMBER |
|---|---|
| | |

North Arrow

| | EXISTING | PROPOSED |
|---|---|---|
| Slope Stake Limits — Top of Cut | | |
| Slope Stake Limits — Toe of Fill | | |
| Slope Stake Limits — Transition | | |
| Fence | | |
| Gate with Fence | | |
| Cattleguard | | |
| Guardrail | | |
| Concrete Barrier | | |
| Retaining Wall | | |
| Signs (single, double post; portable) | | |
| Delineators | | |
| Pipe Culvert (arrow shows flow) | | |
| Pipe Culvert with End Section | | |
| Pipe Culvert with Headwall | | |
| Pipe Culvert with Drop Inlet | | DI |
| Box Culvert | | |
| Underdrain | UD | UD |
| Overhead/Above Ground Utilities | P | P |
| Underground Utilities | W | W |

FM = force main, FO = fiber optic, G = gas, IRR = irrigation, O = oil,
P = power, SA = sanitary sewer, SD = storm drain, SS = storm sewer,
STEAM = steam, T = telephone, TV = CATV, W = water

Poles (Power, Telephone, Joint Use, Light, Support w/Anchor)

Miscellaneous Utility Features

EM = electric meter, T = telephone pedestal, TV = CATV pedestal,
UP = transformer or junction box, WF = water fountain

Building

Right-of-Way Line with Monument — r/w — R/W

Permanent Easement — P/E — P/E

Construction Easement — TCE

Riprap

| | AREA PATTERN |
|---|---|
| Pavement Removal / Roadway Obliteration | |
| Full Depth Pavement | |
| Sidewalk Asphalt/Concrete | |
| Mill and Overlay | |
| Overlay | |

| | |
|---|---|
| Silt Fence | SF |
| Diversion Berm | DB |
| Drainage Divide | |
| Check Dam | |
| Limits of Disturbance | LOD LOD LOD |
| Fiber Roll or Wattle | |

PROJECT SPECIFIC SYMBOLS AND ABBREVIATIONS:

| NO. | DATE | BY | REVISIONS |
|---|---|---|---|
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# SYMBOLS AND ABBREVIATIONS

Sheet 2 of 2

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8 February 2024 4:58 PM