Provide fiber vault lids marked, "UDOT Fiber Optic" using min 3 inch high lettering with.

10 ft x plus V-CV.

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Fiber Vault Conduit Penetration Detail

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Metal for Type CV Fiber Vault

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TYPICAL CABLE RACK

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Notes:

1. Supply type IV fiber vault with a tamperproof hinged metal lid for unpaved areas, or a tamperproof heavy duty manhole-style lid in paved areas. Supply fiber vault, lid, and covers rated for ASHTO HL-93 loading.

2. Supply type CV fiber vault with a hinged-style lid only.

3. Supply all lids with a hole or slot for removal, with a lever or hook.

4. Supply vaults with a permanent internal ladder.

5. Provide fiber vaults with 3 inch high lettering with 9 inch thickness form letters by engraving, casting, stamping, or with a neat weld bead.

6. Provide metal lid with a minimum of 5 inch high diamond pattern.

7. Provide fiber vaults with a heavy-duty non-metallic cable storage rack system. Provide rack arms or stanchions capable of supporting a minimum of 250 lbs. For Type IV CV fiber vault racks, include a maximum of 30 inch rack stanchions and 5 rack arms.

8. Enter conduits into fiber vault at the manhole, only. Core drill hole in manhole section to conduit size. Place lid in core and do not "knock out" the typ wall sect.

9. Comply with OSHA requirements for enclosed work spaces.

10. Bond and ground all metallic components of the fiber vault per NEC 250 if armored fiber optic cable is used.

11. Install conduit plugs per standard specification 13554.

12. Align arms conduit by color on each side of fiber vault.

13. Extend ground rods a minimum of 4 inches and a maximum of 6 inches above bottom of fiber vault.

14. Use a split bolt to attach ground wires to ground rod. Attach not more than two wires per bolt.

15. Do not cut ground rods.