



EC5-2.3501

DISTRIBUTION CONSTRUCTION STANDARD
 EUGENE WATER & ELECTRIC BOARD - EUGENE, OREGON

3' 3" X 2' 4" FIBERGLASS VAULT FOR SE-1 SECTIONALIZING ENCLOSURE

Approved Oct 14, 2013

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ASSEMBLY EC5-2.3501

3' 3" x 2' 4" FIBERGLASS VAULT FOR SE-1 SECTIONALIZING ENCLOSURE

1. 348-0000534 1 EA BX PULL FBGLS 3'3" X 2'4"

CONSTRUCTION NOTES:

1. Conduits shall not extend more than 1 1/2" + -1/2" above the crushed rock base.
2. The exposed ends of all conduits shall be cut off square, chamfered, free of any sharp edges and temporarily sealed to prevent rocks or other materials from entering them after mandreling.
3. Field bending of PVC conduits is not allowed. All sweeps shall be made with manufactured elbows.
4. Base for vault shall be 8" (minimum) of compacted 3/4" minus crushed rock.
5. Excavated area around all vaults shall be backfilled to final grade with 3/4" minus crushed rock.
6. Ground sleeve/vault shall be set 2" above the surrounding final grade.

DESIGN NOTES:

1. For new construction, an above ground sectionalizing enclosure (SE-1) or pulling vault is required within approximately 50 ft. up to a maximum of 100 ft. of any primary single phase, three phase or feeder pole dip installation to remedy safety concerns and reduce pulling tensions when pulling in conductors. Any deviation requires electric operations approval.
2. For new construction, when installing an above ground sectionalizing enclosure (SE-1), a minimum 3" conduit will be required for the underground substructure installation to reduce pulling tensions.

REFERENCE STANDARDS:

- A) Refer to EC5-5.7500 for Above ground single phase SE-1 sectionalizing enclosure.
- B) Refer to EC5-3.0500 for Grounding detail for 3' 3" x 2' 4" fiberglass vault for SE-1 sectionalizing cabinet.
- C) Refer to EC5-8.0500 for 15KV primary distribution, feeder and network cable.
- D) Refer to EC5-4.3500 for 15KV 1/0 200A. loadbreak elbow.
- E) Refer to EC5-2.0100 for Required minimum feeder, primary and secondary service conductor makeup lengths for vaults and secondary boxes.
- F) Refer to ED5-1.7000 for Underground Cable pulling program, Pull planning user guide.
- G) Refer to ED5-1.0100 for Electrical equipment placement clearances at a street corner, maximum size and setback requirements.
- H) Refer to ED5-1.0400 for Working Clearances around padmounted equipment.
- I) Refer to EC5-A.0500 for Customer requirements for vegetation management for underground systems.
- J) Refer to EC5-9.2600 for 3 1/2" x 7' screw type bollard post 8" helix, 6.625" x 6' galv steel bollard post, sleeve for removable bollard post.
- K) Refer to ED5-1.0800 for Bollard post placement requirements for Padmounted equipment.
- L) Refer to standard EC5-2.9500 for SE-1 fiberglass vault catalog number.