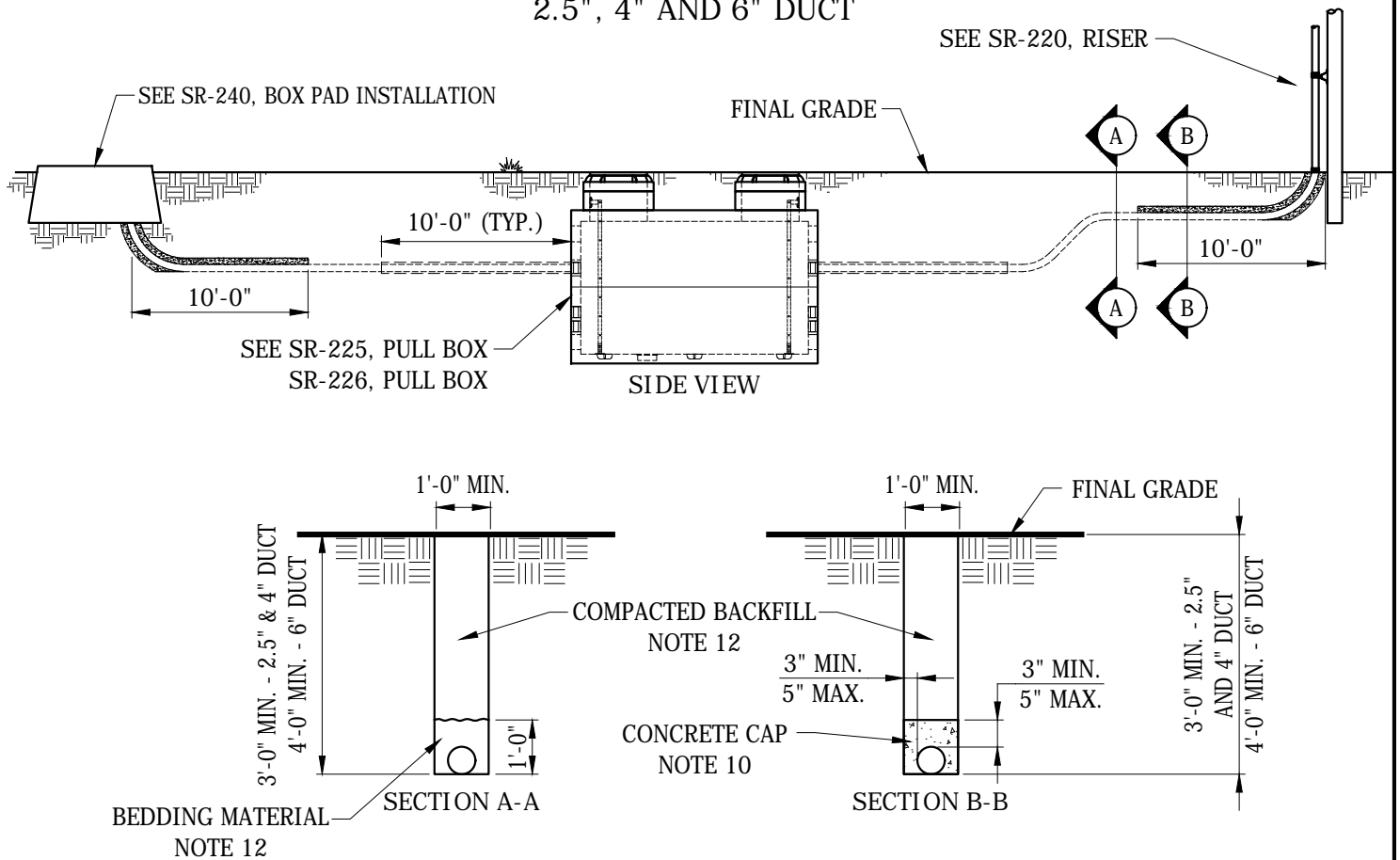


## TRENCHING 2.5", 4" AND 6" DUCT



SEE ALSO:  
 SR-232, 3Ø FUSED JUNCTION CABINET (F2) PAD  
 SR-233, 3Ø TRANSFORMER/CAPACITOR PAD  
 SR-234, 3Ø JUNCTION CABINET ( J-2 )  
 SR-209, 1Ø TRANSFORMER, PEDESTAL & J-10  
 SR-235, 1Ø JUNCTION CABINET (J-1)

**NOTES:**

1. Horizontal radius bends shall meet the following requirements:
  - Grey PVC electrical grade;
    - \* Minimum radius of 12 ft. 6 inches for 2.5, 4 or 6 inch duct system
  - Wave-rib or Dura-line;
    - \* Minimum radius of 4 ft. for 2.5 inch conduit
    - \* Preferred radius of 12 ft. 6 inches for 4 or 6 inch duct system. A minimum of 4 ft. radius can be used if approved by Design Services.
2. Vertical radius bends at riser and pad-mounted equipment shall meet the following requirements:
  - Radius of 3 ft. for 2.5 or 4 inch conduit
  - Radius of 4 ft. for 6 inch conduit
3. Conduit sweeps into existing equipment shall be 2.5" x 36" x 90 degree, Grey PVC Electrical Grade, Schedule 40. Wave-rib conduit is NOT approved to be used in existing Company equipment.
4. Total of all deflections shall not exceed 360° in any continuous duct run between outlets.
5. Horizontal and vertical direction changes in the duct at the coupling shall not exceed 5 degrees.



(Notes continued on page 2)

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## TRENCHING 2.5", 4" AND 6" DUCT

### NOTES CONT'D:

6. All inactive duct ends shall be closed with appropriate duct plugs.
7. All duct ends and stubs shall be capped with appropriate duct plugs. For stub detail refer to SR-218.
8. Joints shall form a continuous smooth interior surface between joining duct sections to prevent cable damage.
9. Concrete of vertical sweeps is required for duct runs of more than 150 ft. in length or when 270° of bends or greater is present, regardless of length. Total bend shall not exceed 360° at any time.
10. Ducts entering pull boxes must be horizontal with the box and to be concrete encased for a distance of 10 ft. from the box.
11. For duct and concrete specifications and mandrel pull information, see SR-205.
12. For bedding and backfill material specifications, see SR-207.
13. Do not trench under Company owned pad-mounted equipment without Service Provider personnel present. Service Provider's access crew can be scheduled to assist with conduit placement and/or if trenching is required under Company owned equipment. Arrangements must be made by calling 520-918-8300 (TEP) or 520-761-7951 (UES), a minimum of five working days in advance.

 <b>TEP</b> Tucson Electric Power	 <b>UniSourceEnergy</b> <b>SERVICES</b> SANTA CRUZ COUNTY	INITIATED BY	GC	REVISION NO.	0	SR-215 Pg. 2 of 2
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