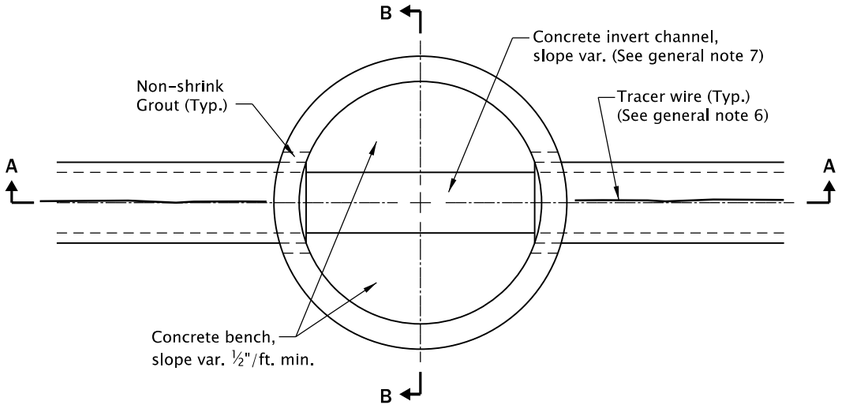
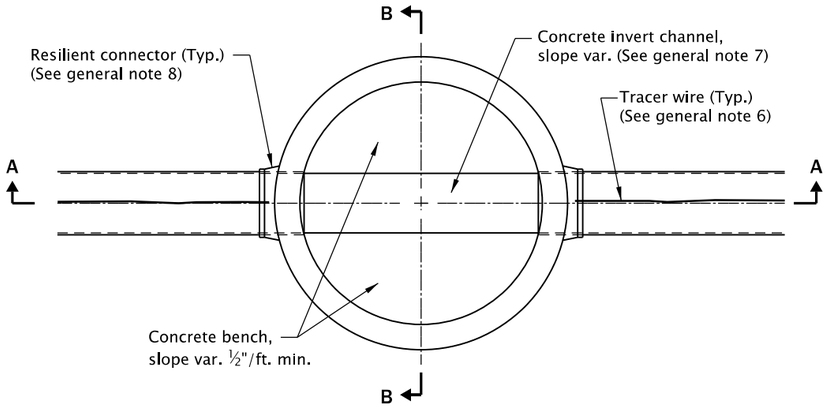


PLAN



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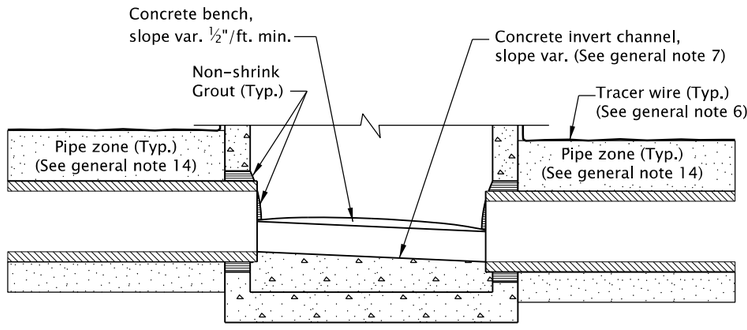
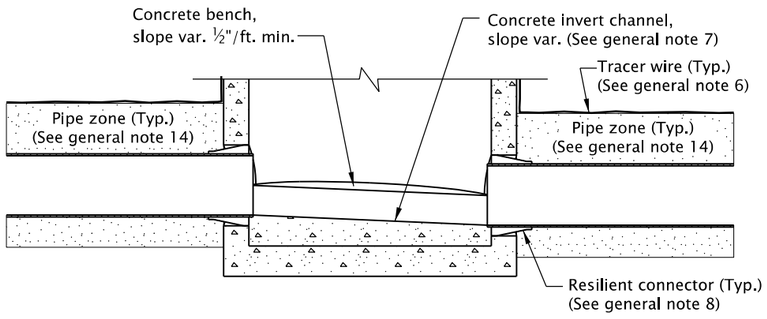
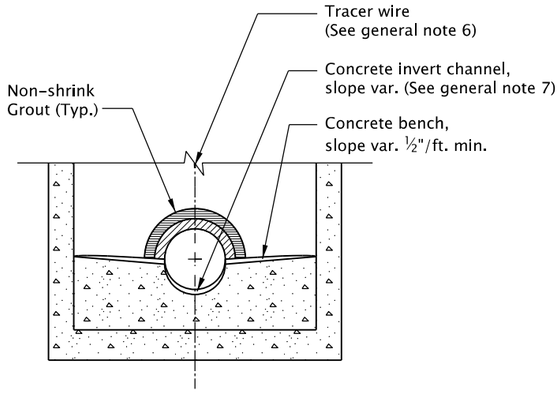


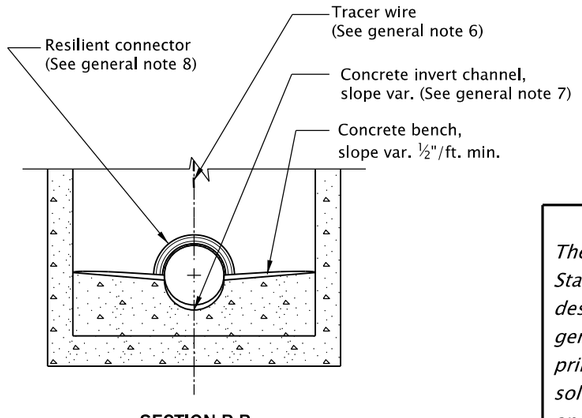
SECTION A-A



SECTION A-A



SECTION B-B



SECTION B-B

CONNECTION OF RIGID PIPE TO MANHOLE

CONNECTION OF FLEXIBLE PIPE TO MANHOLE

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. *All precast sections shall conform to requirements of ASTM C478.*
2. *Manhole base sections may be precast or cast-in-place.*
3. *All concrete shall be commercial grade concrete.*
4. *Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.*
5. *Maximum pipe diameter varies with pipe material.*
6. *All connecting pipes shall have a tracer wire, or approved alternate. See Std. Dwg. RD336 for tracer wire details.*
7. *Invert channels shall be constructed to provide smooth slopes and radii to outlet pipe.*
8. *When flexible pipe is used, install resilient connectors conforming to requirements of ASTM C923.*
9. *See Std. Dwgs. RD335, RD336, and RD338 for details not shown.*
10. *See Std. Dwg. RD336 for manhole steps details.*
11. *See Std. Dwg. RD342 for shallow manholes.*
12. *See Std. Dwg. RD344 for manhole base section.*
13. *See Std. Dwg. RD356 for manhole covers and frames, manhole adjustment rings, etc.*
14. *Pipe zone varies, see Std. Dwg. RD300.*

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

PIPE TO MANHOLE CONNECTIONS

2024

DATE	REVISION DESCRIPTION
01-2023	REVISED DETAILS AND NOTES

CALC. BOOK NO. N/A | SDR DATE 20-JAN-2023 | **RD345**

20-JAN-2023

RD345.dgn

Effective Date: June 1, 2026 - November 30, 2026