

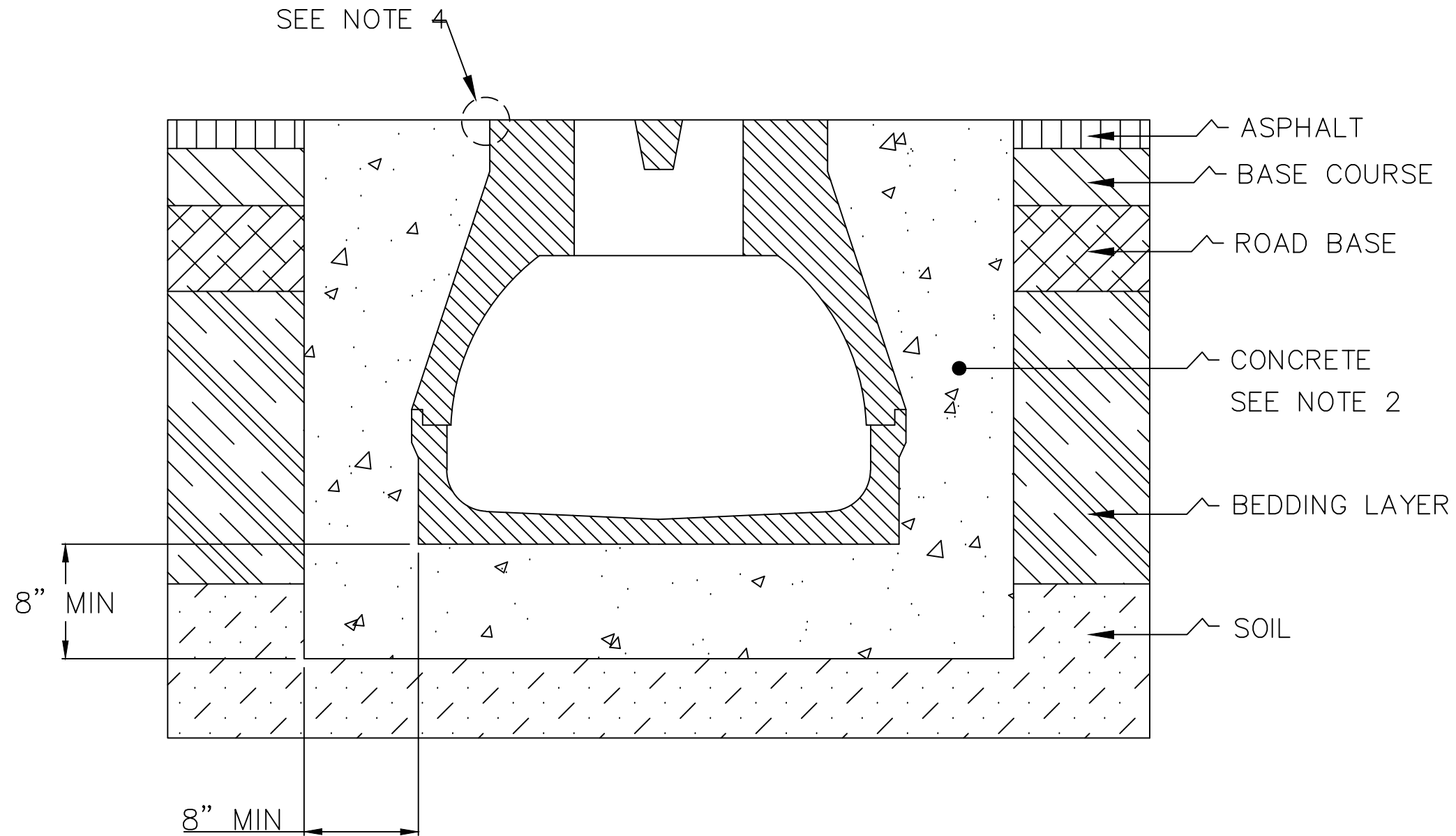


DRWG# 1619 Date: 12.17.17
WWW.ACOCAN.CA

INSTALLATION DRAWING

KT500: Amphibian Guidance System
Load Class A-D: Asphalt

ACO SYSTEMS Ltd.
1-2880 Brighton Rd
Oakville, ON L6H 5S3
PH: 905-829-0669
FX: 905-829-2908
e-mail: info@acocan.ca



NOTES:

1. It is necessary to ensure the minimum dimensions shown are suitable for the existing ground conditions. Engineering advice may be required.
2. A minimum concrete strength of 35 MPa is recommended. The concrete should be vibrated to eliminate air pockets.
3. The finished level of the surround must be approx. 3mm above the top of the channel edge.
4. Refer to ACO'S latest installation instructions for complete details.



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KT500: Amphibian Guidance System
Load Class A-D: Asphalt

The surface drainage system shall be polymer concrete KT500 tunnel system with a slotted upper surface as manufactured by ACO Systems Ltd., Oakville, ON.

Tunnels will be manufactured from polyester resin polymer concrete.

The system shall be 19.7 inches (500mm) nominal inside width with a 23.6 in. (599mm) overall width.

The complete Amphibian Guidance System shall be by ACO Systems Ltd., Any deviation or partial system design and/or improper installation will void any and all warranties provided by ACO Systems Ltd.

The tunnel system shall be independently certified to withstand loadings to load class D (DIN19580). The tunnel system shall have a slotted upper surface to ensure the climatic conditions remain constant.

Polymer Concrete shall have material properties of: compressive strength range between 14,000-14,500 psi; flexural strength between 3600-4500 psi; tensile strength of 1500 psi. The material water absorption rate shall not exceed 0.1% by weight and shall be resistant to prolonged salt exposure, repetitive frost cycles and chemically resistant to dilute acids and alkalis.

The system shall be installed in accordance with the manufacturer's instructions and recommendations.