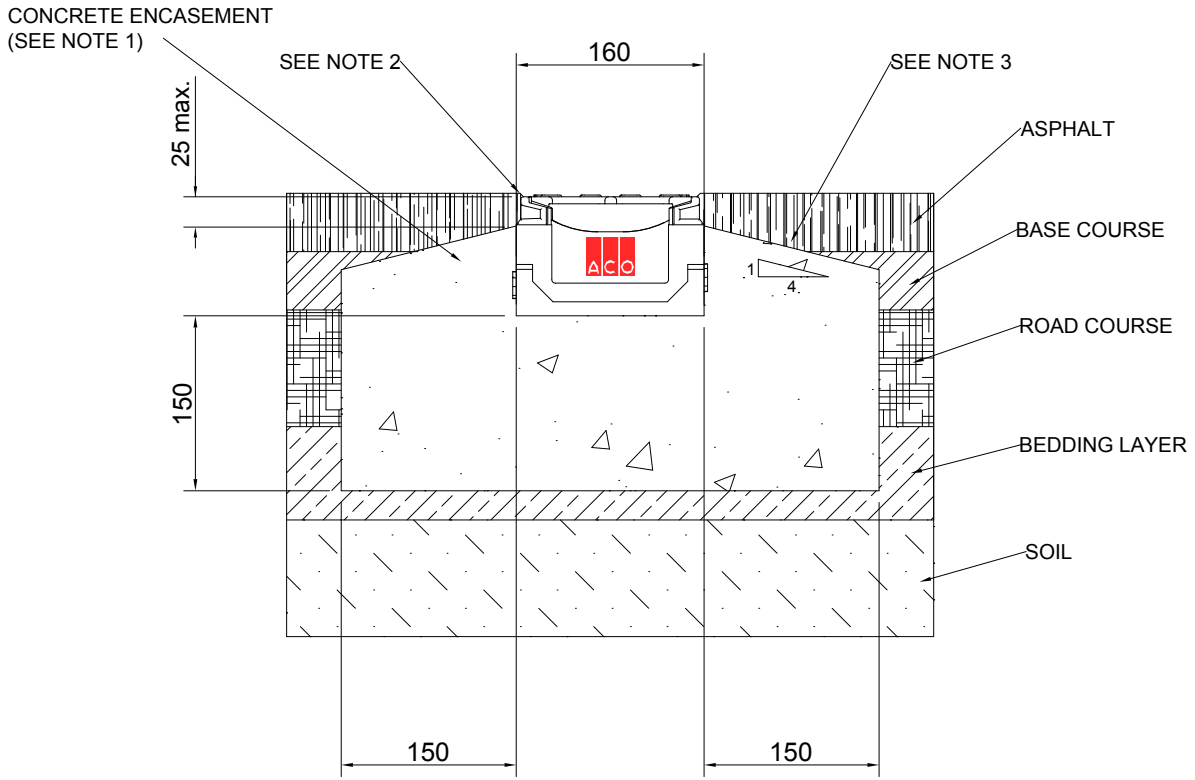

NOTES:
1. Specific site conditions may require an increase in concrete encasement dimensions and/or reinforcement. It is the customer's responsibility to ensure the concrete encasement is designed for the application. A minimum concrete strength of 25MPa is recommended. The concrete should be vibrated to eliminate air pockets. *Engineering advice may be required.*
2. The finished level of the asphalt must be approximately 3mm above the top of the channel edge.
3. Haunch slopes away at ratio 1:4, or approx 15°.
4. For further details, refer to ACO's design & site installation files at www.acodrain.com.au/resources

SPECIFICATION CLAUSE
SLABDRAIN H100SK - LOAD CLASS C-D

GENERAL
THE SURFACE DRAINAGE SYSTEM SHALL BE ACO'S SLABDRAIN H100SK POLYMER CONCRETE SHALLOW CHANNEL SYSTEM WITH DUCTILE IRON EDGE RAILS AS MANUFACTURED BY ACO.

MATERIALS
H100SK CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH INTEGRALLY CAST-IN DUCTILE IRON EDGE RAILS. PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS WITH SUPPORTING DOCUMENTATION:

COMPRESSIVE STRENGTH:	**98 MPa**
FLEXURAL STRENGTH:	**26 MPa**
TENSILE STRENGTH:	**14 MPa**
WATER ABSORPTION:	**0.07%**
FROST PROOF:	**YES**
COEFFICIENT OF EXPANSION/CONTRACTION:	**2.02×10^{-5}/°C**
WATER VAPOUR TRANSMISSION:	**0.0364g/m²**
NON FLAMMABLE:	**YES**
COEFFICIENT OF ROUGHNESS (MANNINGS):	**n=0.011**
RESISTANT TO WEATHERING:	**YES**
DILUTE ACID AND ALKALI RESISTANT:	**YES**
SF SEALANT GROOVE	**YES**

CHANNELS
H100SK CHANNEL SHALL BE 100mm NOMINAL INTERNAL WIDTH WITH AN OVERALL WIDTH OF 160mm. CHANNELS SHALL HAVE AN OVERALL DEPTH OF 100mm FOR USE IN AREAS WITH DEPTH RESTRICTIONS. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

GRATES
INSERT SPECIFICATION FOR THE SELECTED GRATE. REFER TO THE RELEVANT ACO SPECIFICATION INFORMATION SHEET. CLICK: www.acodrain.com.au/resources

INSTALLATION
THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO AND TO BE INSTALLED FOR ITS INTENDED PURPOSE. ANY DEVIATION OR PARTIAL USE OF THE SPECIFIED SYSTEM AND/OR IMPROPER INSTALLATION WILL VOID ALL WARRANTIES PROVIDED BY ACO.

H1SK-CD-A1

DATE: 01/14

H100SK - SLABDRAIN - LOAD CLASS: C-D
FOR ASPHALT

INSTALLATION DRAWING - ACO DRAIN

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