GENERAL NOTES

DESIGN SPECIFICATIONS: THIS STANDARD DRAWING CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 1990, INCLUDING THE 1993 INTERIM SPECIFICATIONS AND THE DOT BRIDGE DESIGN MANUAL.

DESIGN LOADING: WSR AND THE ALTERNATE MILITARY LOADING

DESIGN DATA: CONCRETE CLASS C - COMPRESSIVE STRENGTH 28 MPa (SUBSTRUCTURE);
REINFORCING STEEL - ASTM A510, A610 OR ASTM A611, GRADE 400 WITH A MINIMUM YIELD STRENGTH OF 400 MPa AND SHALL BE EPoxy COATED.

POROUS BACKFILL: POROUS BACKFILL 400 mm THICK WITH FILTER FABRIC SHALL EXTEND UPWARD TO THE PLANE OF THE SUBGRADE, TO 200 mm BELOW THE EMBANKMENT SURFACE, AND LATERALLY TO THE SURFACE OF THE EMBANKMENT SLIDES. GEOTEXTILE FABRIC SHALL CONFORM WITH TIDQ0-A TYPE A. THE TOP OF THE POROUS BACKFILL SHALL BE SLOPED (1:10 MINIMUM) LATERALLY TO DRAIN. GEOTEXTILE FABRIC IS INCLUDED WITH POROUS BACKFILL FOR PAVEMENT.

ANIMAL GUARD: ANIMAL GUARD SHALL BE PROVIDED AT THE OUTLET END OF THE DRAINAGE PIPE. SEE STANDARD CONSTRUCTION DRAWING NO.44 FOR DETAILS. PAVEMENT FOR THE ANIMAL GUARD SHALL BE INCLUDED WITH THE DRAINAGE PIPE BID ITEM.

DESIGN INSTRUCTIONS

GENERAL: THIS DRAWING PROVIDES DESIGN AND GENERAL CONSTRUCTION DETAILS. THE PROJECT PLANS FOR EACH STRUCTURE SHALL SHOW STATIONS, SPAN LENGTHS, ROADWAY WIDTHS, CURVE AND SUPERELEVATION DATA OF ANY ELEVATIONS, SUPERSTRUCTURE DETAILS, ESTIMATED QUANTITIES, REINFORCING STEEL SIZE, AREAS OF SEALING, TYPE OF SEALER AND OTHER NECESSARY DETAILS AND SPECIAL NOTES.

PILE TYPE, SIZE AND ESTIMATED PAY LENGTHS SHALL BE SHOWN ON THE PROJECT PLANS. PILES SHALL BE CAST-INPLACE REINFORCED CONCRETE OR AS 250 mm OR 300 mm DIAMETER STEEL "H" PILES. SPACING SHALL NOT EXCEED 2500 mm. THE ERECTION LOADS SHALL BE GIVEN IN THE STRUCTURE GENERAL NOTES.


BAR SIZE IS INDICATED IN THE BAR MARK. THE FIRST LETTER IDENTIFIES THE BAR LOCATION. NEXT TWO DIGITS AND LETTER INDICATES THE METRIC BAR SIZE DESIGNATION AND THE REMAINING DIGITS IT'S SEQUENCE NUMBER.

EXAMPLES: BAR
A - LOCATION OF THE BAR IN THE STRUCTURE
B - 15M - METRIC BAR SIZE DESIGNATION
C - 01 - SEQUENCE NUMBER

LEGEND
X = OUT TO OUT

SECTION C-C
SEE SHEET 1/4 FOR LOCATION OF SECTION C-C

ERS PIPES
300
500 mm
VARIES

AI5W01 LENGTH - 3575mm
AIW01 LENGTH - 2645mm

AI5W03
800 mm X
AIW01
530 mm X

A15W03
200 mm X
A15W02
200 mm X
A15W04