NOTES:

1. MACHINING MAY BE REQUIRED FOR PIPES OVER 450 MM REFER TO PIT SCHEDULE FOR SIZES OF SPECIFIC FITTS. FITTS WITH MACHINING IN TWO DIRECTION REQUIRE SPECIAL STRUCTURAL DESIGN.

2. PIT REINFORCEMENT - FIBRE-REINFORCED CONCRETE IS SUPPORTED UNDER THE MAIN RAILS HORIZONTALLY. EARS TO BE 30 MM CLEAR COVER TO BE 300 MM. CONCRETE MAY BE FABRIC OR EQUIVALENT END AND GRADE WY 60 & FAIRIES COMPLY WITH AS/NZS 4471. CONCRETE SHALL BE NORMAL-CLASS N30 STANDARD STRENGTH GRADE OR HIGHER COMPLIES WITH THE REQUIREMENTS OF AS 1379, EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B2.

3. FITTS DEEPER THAN 1000 MM SHALL BE FITTED WITH STEP RINGS, REFER SD 1041.

4. PRECAST UNITS MAY BE CONSTRUCTED TO THE MANUFACTURER'S DETAILS. THE DESIGN SHALL COMPLY WITH THE AS 1196 BRIDGE DESIGN AND THE FOLLOWING ADDITIONAL REQUIREMENTS:
   - COMBINED factored LATERAL PRESSURE AT ANY POINT AT THE ULTIMATE LIMIT STATE SHALL BE NOT LESS THAN 15 kPa.
   - ADEQUATE DRAINAGE SHALL BE PROVIDED TO FIT WALLS TO AVOID HYDROSTATIC PRESSURE.
   - VERTICAL LOAD 70 kN APPLIED ANYWHERE ON FITT 5.
   - MINIMUM REINFORCEMENT AREA SHALL BE 500 mm²/1 m².
   - CONCRETE SHALL BE NORMAL-CLASS N30 STANDARD STRENGTH GRADE OR HIGHER COMPLIES WITH THE REQUIREMENTS OF AS 1379, EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B2.

5. CONCRETE FRAMES TO BE SET ON 50 mm OF MORTAR.

6. CO2 CHANNEL SHOULD NOT BE LOCATED ADJACENT TO TRAFFIC LINES.

SECTIONS A-A & B-B

SECTION A-A

SECTION B-B

PLAN

EXPANSION JOINT

CONCRETE SHAPED TO PIPE INVERT

SET OUT POINT

SM TYPE UNITE

B

SET OUT POINT

CO2 CHANNEL

LINE OF REGB

TYPE W2 FRAME AND LD

EXPANSION JOINT TO THEIR SELF-FLEXIBLE CORR.

B

BACK OF CHANNEL

SECTION C-C

FORM HOLES IN WALL TO ACCOMODATE PAVEMENT DRAINAGE WHERE SHOWN ON DRAWINGS.