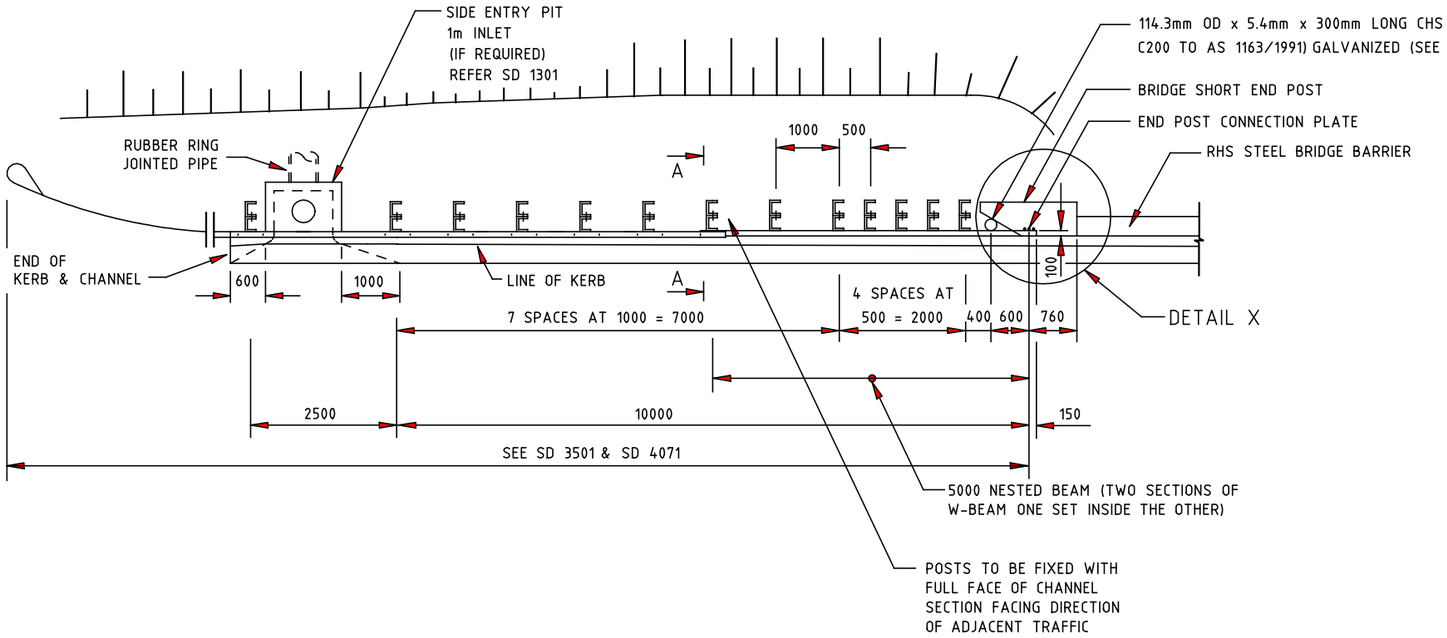
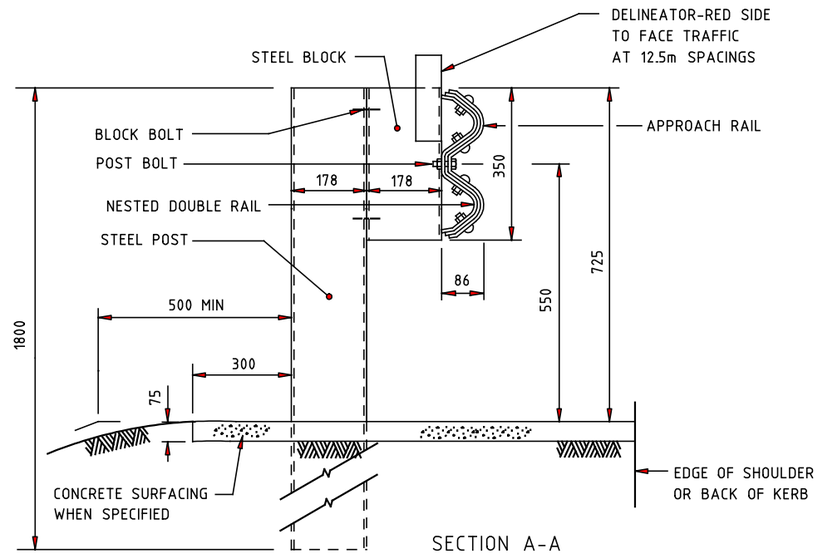
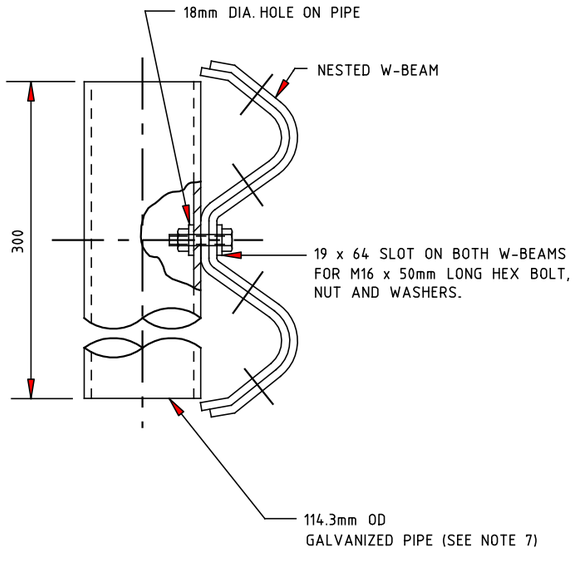


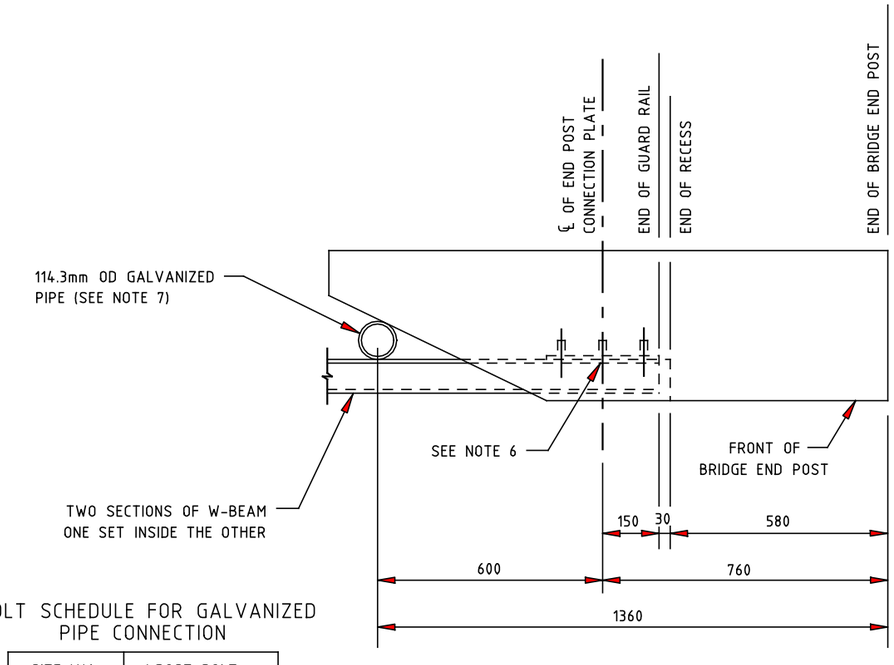
GUARD FENCE LAYOUT ON BRIDGE APPROACH



SECTION A-A



GALVANIZED PIPE CONNECTION



DETAIL X

BOLT SCHEDULE FOR GALVANIZED PIPE CONNECTION

SIZE M16	1 POST BOLT 1 NUT 2 WASHERS

NOTES:

1. FOR DETAILS OF STEEL POSTS, BLOCKS, BOLTS AND CONCRETE PAVING, REFER SD 3661.
2. GALVANIZED PIPES SHALL BE CONNECTED ONLY TO THE NESTED W-BEAMS AS SHOWN. BOLTS TO BE SNUG TIGHTENED TO AS 4100/1990. ALL HOLES TO BE DRILLED BEFORE GALVANIZING.
3. BACKING RAIL, 300 LONG, WITH GUARD RAIL PROFILE, SHALL BE PROVIDED AT ALL INTERMEDIATE POSTS FOR SINGLE W-BEAMS. NO BACKING RAIL IS REQUIRED FOR NESTED W-BEAMS.
4. FOR THE GEOMETRY OF THE GUARD FENCE APPROACHES REFER SD 4071 AND CONSTRUCTION DRAWINGS.
5. KERB AND CHANNEL, PIT AND FOOTWAY REQUIREMENTS MAY DIFFER FROM THOSE SHOWN. FOR DETAILS REFER TO CONSTRUCTION DRAWINGS.

   BRIDGE END POST ASSEMBLY:
   INCLUDES CONNECTION PLATE AND 3 THREADED M16 FERRULES FOR BRIDGES WITH NEW JERSEY BARRIER. TO BE ERECTED BY BRIDGE CONTRACTOR.
7. DIAMETER OF GALVANIZED PIPE MAY VARY TO SUIT THE PARTICULAR SITE.
8. WHERE THE FACE OF GUARD FENCE IS ERECTED WITHIN 0 TO 1m BEHIND THE BACK OF KERB, THE MOUNTING HEIGHT SHALL BE MEASURED FROM THE ADJACENT ROAD PAVEMENT SURFACE.
9. WASHERS ARE NOT TO BE PROVIDED AT POST BOLTS. WASHER TO BE PROVIDED UNDER PIPE CONNECTION BOLT.

ISSUE	APP'D	DATE	AMENDMENT
E			
D			
C	J.B.	1/8/02	DIMENSION FROM GROUND TO TOP OF BOLT & POST HAS BEEN AMENDED, POST ORIENTATION NOTE ADDED, NOTE 9 & 10 ADDED.
B	J.C.	1/7/95	CROSS REFERENCE TO SD 3501, GUARD RAIL OFFSET TO BACK OF KERB, NOTE 8 ADDED.
A	J.C.	9/94	SET OUT POINT OF PIT REMOVED, PIT COVER

GENERAL NOTES / CROSS REFERENCES

1. GUARD FENCE - LAYOUTS FOR BRIDGE APPROACHES	SD 4071
2. SIDE ENTRY PIT - CONCRETE COVER - ONE METRE INLET	SD 1301
3. GUARD FENCE (TYPE B) - STEEL POST	SD 3661

4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

DESIGNED
PRINCIPAL ROAD
DESIGN ENGINEER

APPROVED
24-2-94

CATALOG: PRED
PROJECT: sddgnnew

vicroads design
ENGINEERING & TECHNOLOGY CONSULTANTS

COMPUTER FILE: sd-4082c.dgn
SCALE OF METRES: HOR NOT TO SCALE VER

STANDARD DRAWING
GUARD FENCE
BRIDGE APPROACHES (SHORT END POST)

FILE NO.	CONTRACT NO.	SHEET NO.	DRAWING NO.	ISSUE
			SD 4082	C