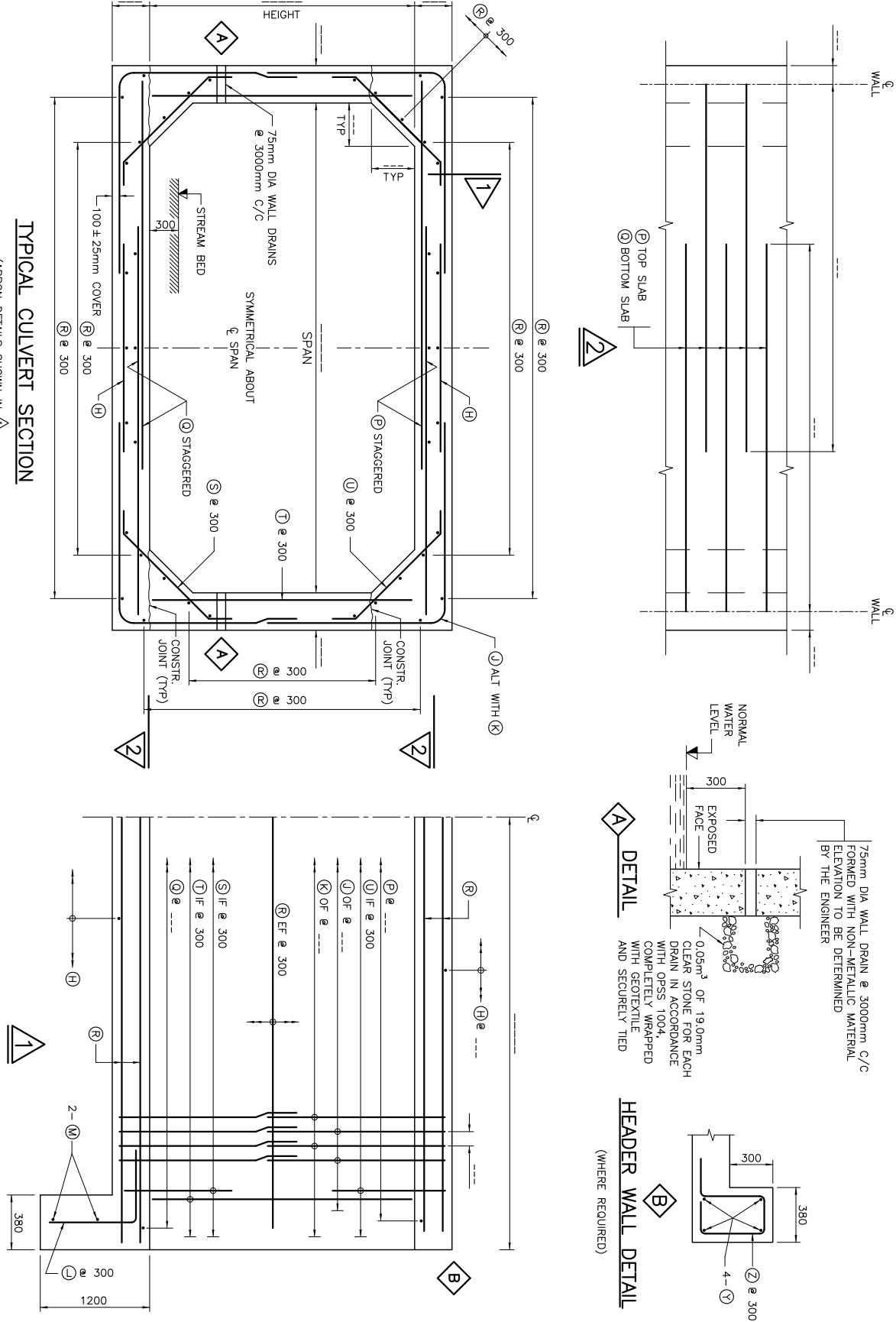


METRIC
 DIMENSIONS ARE IN METRES
 AND/OR MILLIMETRES
 UNLESS OTHERWISE SHOWN

CONT No	WP No	SHEET
RIGID FRAME BOX CULVERT		



- GENERAL NOTES:**
- CLASS OF CONCRETE TO BE 30MPa
 - CLEAR COVER TO REINFORCING STEEL
 BOTTOM OF TOP SLAB 40 ± 10 FOR SLABS ≤ 300 THICK
 50 ± 10 FOR SLABS > 300 THICK
 BOTTOM OF BOTTOM SLAB 100 ± 25
 REMAINDER 60 ± 20 UNLESS OTHERWISE NOTED
 - REINFORCING STEEL SHALL BE GRADE 400W UNLESS OTHERWISE SPECIFIED.
 - LEGEND
 ALT DENOTES ALTERNATE OF DENOTES OUTSIDE FACE
 IF DENOTES INSIDE FACE EF DENOTES EACH FACE
- CONSTRUCTION NOTES:**
- BACKFILL SHALL BE PLACED SIMULTANEOUSLY BEHIND BOTH SIDES OF CULVERT KEEPING THE HEIGHT OF THE BACKFILL APPROXIMATELY THE SAME. AT NO TIME SHALL THE DIFFERENCE IN ELEVATION BE GREATER THAN 500mm.
 - SUPPORTS FOR REINFORCING STEEL SHALL BE AS PER OPSD-3329.101 AND OPSD-3329.100 ON FORMED SURFACES ON NON-FORMED SURFACES. CONCRETE BLOCKS (MIN. 20MPa) SHALL BE USED.

MARK	BAR SIZE	C/C	DETAILS	REMARKS
H	15M	---	STRAIGHT	TOP OF TOP SLAB & BOTTOM OF BOTTOM SLAB
J	---	---	---	J BARS ALTERNATE WITH K BARS
K	---	---	---	K BARS ALTERNATE WITH J BARS
P	---	---	STRAIGHT	BOTTOM OF TOP SLAB
Q	---	---	STRAIGHT	TOP OF BOTTOM SLAB
R	15M	300	STRAIGHT	LONGITUDINAL MIN. LAP SPICE = 500
S	15M	300	---	HAUNCH
T	15M	300	STRAIGHT	INSIDE FACE OF WALLS
U	15M	300	---	HAUNCH
L	15M	300	---	DOWELS TO APRON WALLS
M	15M	---	STRAIGHT	APRON WALL
N	---	---	STRAIGHT	HEADER WALL
Z	15M	300	---	HEADER WALL

NOTES:
 - All dimensions shown to centre line of bar
 - --- represents vertical dimension
 - c/c spacing given at midspan

QUANTITIES		
ITEM	WALLS & SLABS	RETAINING WALL
VOLUME OF CONCRETE	---	---
CUBIC METRES	---	---
TOTAL	---	---

APPLICABLE STANDARD DRAWINGS

OPSD 3941.200 FIGURES IN CONCRETE SITE NUMBER AND DATE LAYOUT
 OPSD 803.010 BACKFILL AND COVER FOR CONCRETE CULVERTS

STANDARD DRAWING April, 2011

SS114-2

RIGID FRAME BOX CULVERT

REFER TO 4.3.1 IN THE CGO MANUAL FOR PROFESSIONAL ENGINEER STAMPING REQUIREMENTS.

DRAWING NOT TO BE SCALED
 100 mm ON ORIGINAL DRAWING

REVISIONS	DESCRIPTION	DATE
DESIGN	CHK	CODE CHBDC-00 CL 625-ONT
DRAWN	CHK	SITE DWG