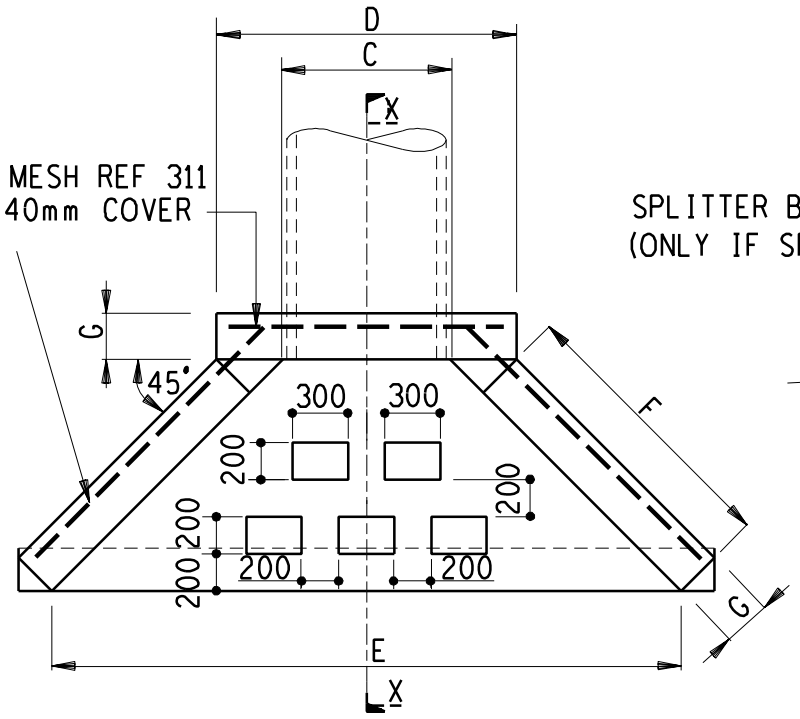
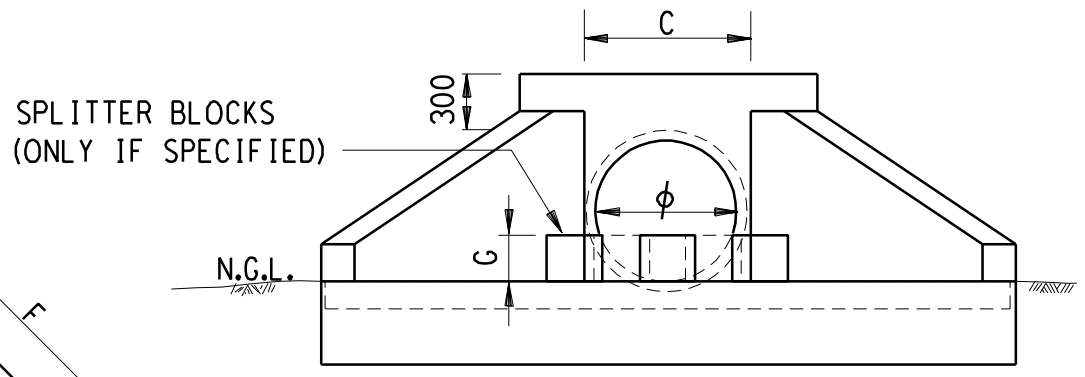
# DETAIL 13A or 13B

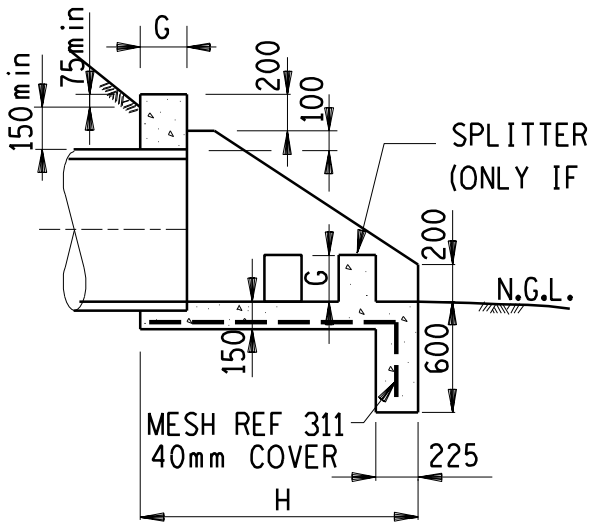



PLAN – HEADWALL




FRONT VIEW

| HEADWALL DIMENSIONS | | | | | | |
|---|---|---|---|---|---|---|
| ϕ | C | D | E | F | G | H |
| 300 | 450 | 1015 | 2050 | 930 | 200 | 1000 |
| 450 | 600 | 1160 | 2200 | 930 | 200 | 1000 |
| 600 | 750 | 1390 | 2700 | 1150 | 225 | 1200 |
| 750 | 900 | 1610 | 3400 | 1520 | 250 | 1500 |
| 900 | 1050 | 1825 | 4100 | 1880 | 275 | 1800 |
| 1050 | 1200 | 2050 | 4800 | 2245 | 300 | 2100 |
| 1200 | 1350 | 2270 | 5500 | 2605 | 325 | 2400 |
| 1500 | 1650 | 2640 | 6950 | 3400 | 350 | 3000 |
| 1800 | 1950 | 3010 | 8500 | 4200 | 350 | 3600 |



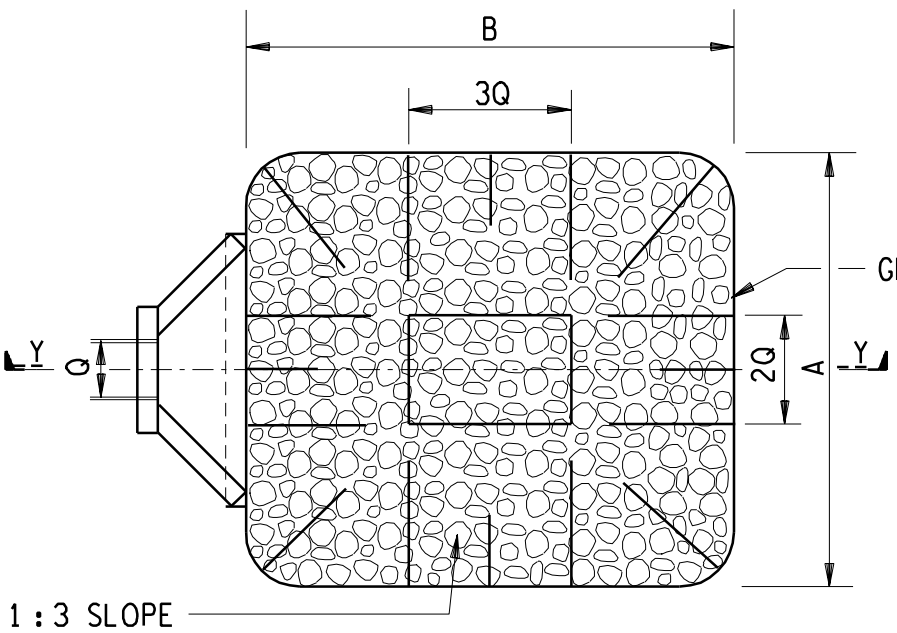

SECTION X-X

NOTE:

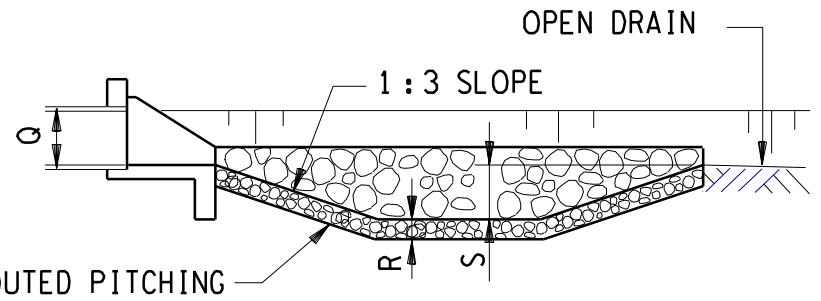
TYPE 13A - WITHOUT STILLING BASIN

TYPE 13B - WITH STILLING BASIN

ALL EXPOSED CORNERS TO BE CHAMFERED 20x20mm




PLAN – STILLING BASIN




SECTION Y-Y

| STILLING BASIN DIMENSIONS | | | | | |
|---|---|---|---|---|---|
| ϕ | A | B | R | Q | S |
| 300 | 2250 | 2700 | 220 | 300 | 150 |
| 450 | 2250 | 2700 | 220 | 450 | 225 |
| 600 | 3000 | 3600 | 220 | 600 | 300 |
| 750 | 3750 | 4500 | 300 | 750 | 375 |
| 900 | 4500 | 5400 | 300 | 900 | 450 |
| 1050 | 5550 | 6600 | 300 | 1050 | 575 |
| 1200 | 6000 | 7200 | 400 | 1200 | 600 |
| 1500 | 7500 | 9000 | 400 | 1500 | 750 |
| 1800 | 9000 | 10800 | 400 | 1800 | 900 |

TYPICAL CONCRETE HEADWALL AND STILLING BASIN

C.A.D. DRG. NAME: 390K13.DGN

C.A.D. REFERENCE No.MUTS 0.54/390k013R03

TRANSMISSION SUBSTATION TECHNOLOGY DEPARTMENT

ESKOM

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRAWN GETEKEN | DJC.S | 01.94 | CHKD NAGES | | | AUTH MAS | DJC.S | 01.94 | REV | 3 | DATE DATUM | 01.94 |

# H. V. YARD CIVIL WORK

# STANDARD DETAILS

0.54/390

SHEET 13

DRG.TEK REGISTR

A4L

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