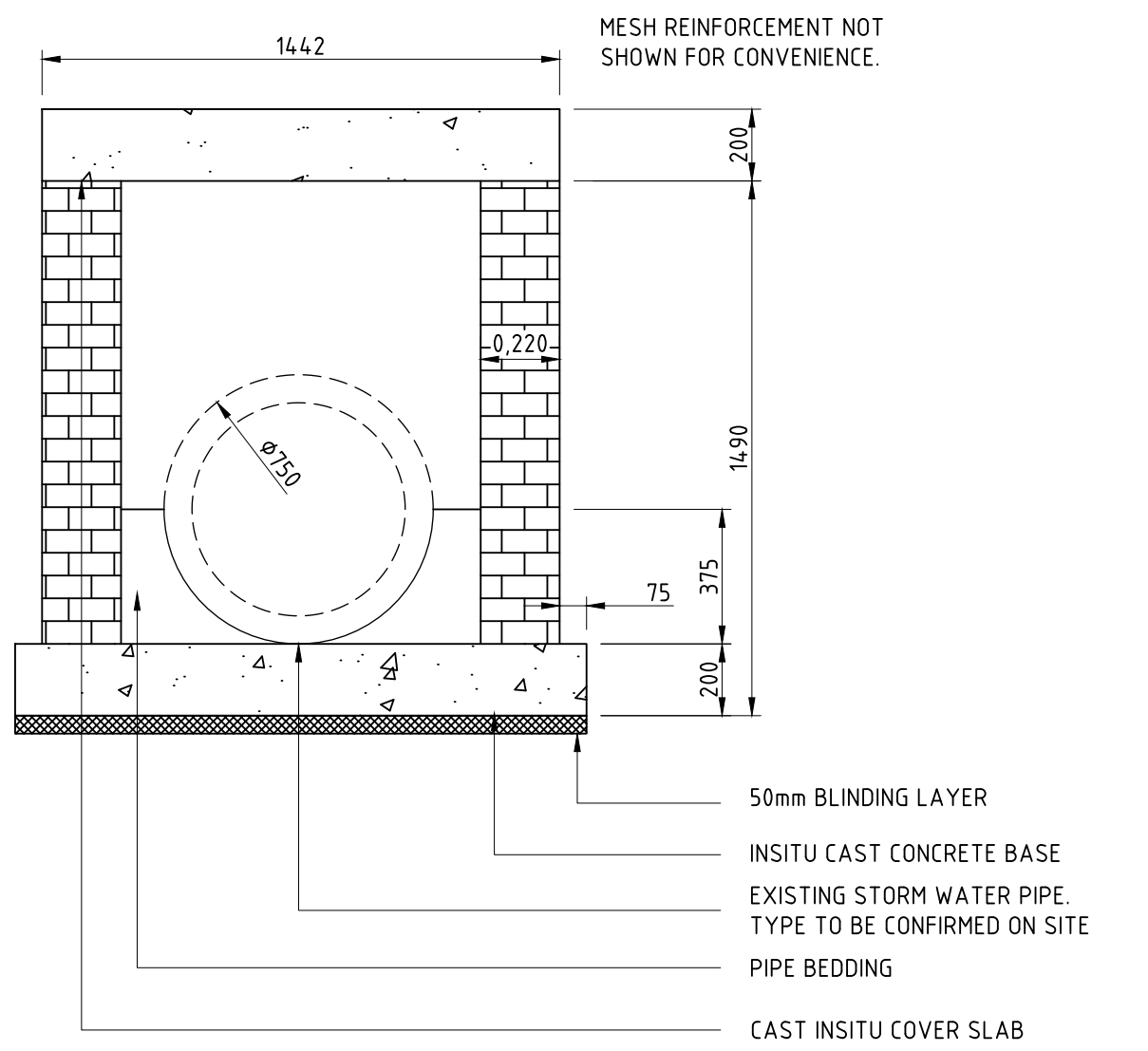
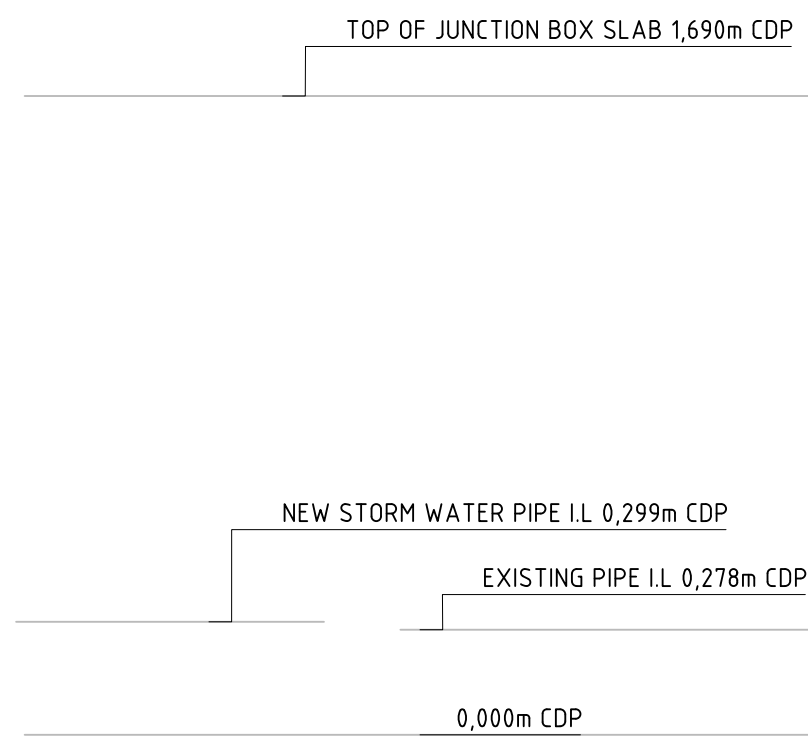
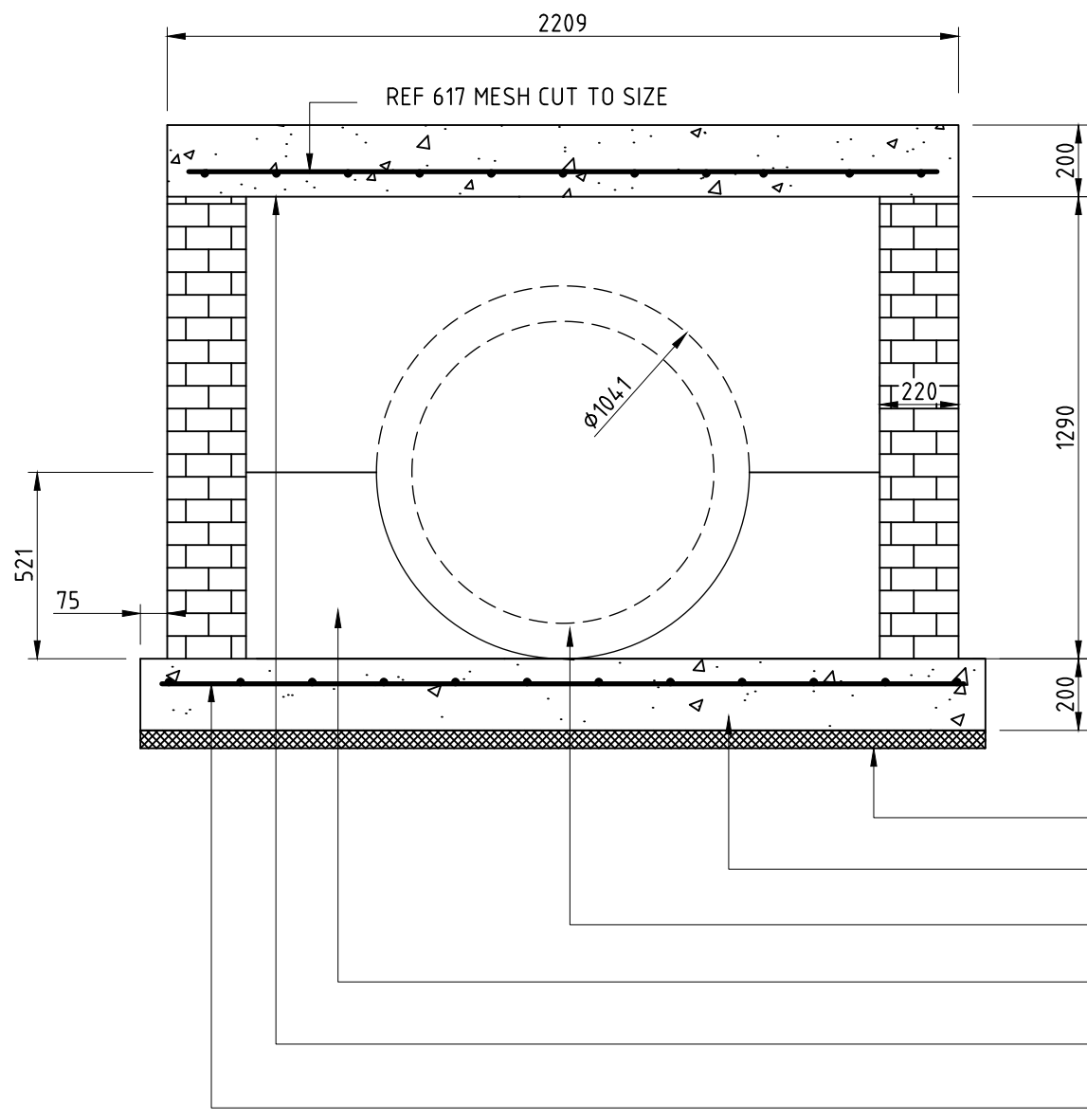
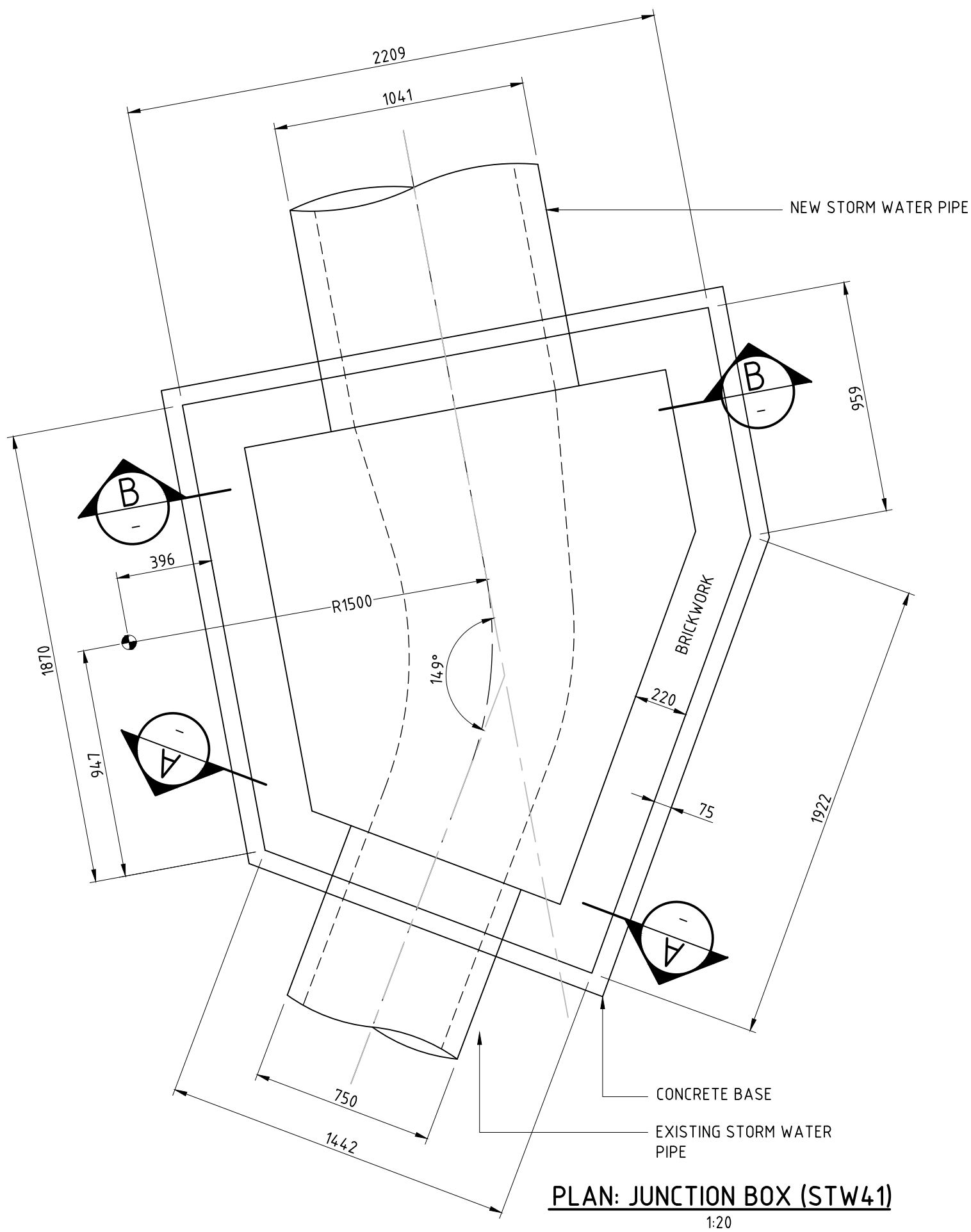




DO NOT SCALE - IF IN DOUBT, ASK



NOTES:

- MATERIALS
  - CONCRETE 28DAY STRENGTH = 40MPa/19mm
  - BLINDING LAYERS = 15MPa/19mm
- 60mm COVER TO REINFORCEMENT TO BE MAINTAINED, UNLESS OTHERWISE INDICATED.
- BRICK WORK IN ENGINEERING CLASS BRICKS ACCORDING TO SANS 277 IN CS 1 MORTAR. BRICKS TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 14 MPa.
- ALL PIPE INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCEMENT OF CONSTRUCTION.
- ALL CONCRETE SLABS BEARING ON BRICKWORK TO HAVE A SLIP JOINT MADE UP OF 2 SHEETS OF 3mm THICK MASONITE WITH SMOOTH FACES ABUTTING EACH OTHER AT TOP OF BRICK CONCRETE INTERFACE.
- ALL MANHOLE JOINTS TO BE SEALED AND MADE WATERPROOF.
- ALL DEVIATIONS FROM ENGINEERS DRAWINGS TO BE CONFIRMED BY ENGINEER PRIOR TO CONSTRUCTION.

|                           |  |  |  |   |  |  |  |                                 |  |                        |  |   |  |   |  |       |  |        |  |     |  |
|---------------------------|--|--|--|---|--|--|--|---------------------------------|--|------------------------|--|---|--|---|--|-------|--|--------|--|-----|--|
|                           |  | Engineers  |  |  |  | 31 Melkhout Crescent<br>Hout Bay 7806<br>Fax: +27(21) 790 4470 |  | EPCM CONSULTANT: <b>TNPA</b>    |  | ORIGINATOR: <b>ZAA</b> |  | Transnet National Ports Authority<br>237 MAHATMA GANDHI ROAD<br>DURBAN<br>P.O. BOX 31683, DURBAN<br>TEL: 031 361 8852 |  |  |  |       |  |        |  |     |  |
|                           |  | P O Box 26546<br>HOUT BAY 7872<br>Tel: +27(21) 791 9100<br>E-Mail: zaaepna@zaaepna.com |  |   |  |  |  | TITLE                           |  | TITLE                  |  | PORT OF DURBAN  |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | LEAD DES. ENG.                  |  | DRAWN                  |  | DCT BERTHS 203 to 205 RECONSTRUCTION<br>DEEPENING AND LENGTHENING   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | ENG. COORD.                     |  | CHECKED                |  | STORM WATER   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | ENG. MANAGER                    |  | MC / WwW               |  | STW41 JUNCTION BOX  |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | AREA MANAGER                    |  | DISCIP. ENG.           |  | TYPICAL DETAILS   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | PROJECT MGR.                    |  | ENG. MANAGER           |  |   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | DIVISION                        |  | AREA MANAGER           |  |   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | 0A ISSUED FOR TENDER            |  | DM MC JZ 2019.07.26    |  |   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | NO. DESCRIPTION                 |  | BY CHK'D APP'D DATE    |  |   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  | REVISIONS / ISSUE AUTHORIZATION |  |                        |  |   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  |                                 |  | PR.ENG. / PR. TECH.    |  |   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  |                                 |  | NAME J. ZIETSMAN       |  | DATE  |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  |                                 |  | SIGNATURE              |  | 19/07/26  |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  |                                 |  | REG. NUMBER 760293     |  |   |  |   |  |       |  |        |  |     |  |
|                           |  |  |  |   |  |  |  |                                 |  | SCALE :                |  | OR AS NOTED A1  |  |   |  |       |  |        |  |     |  |
| 1785-CO-150-C-DWG-0001-01 |  | STORM WATER PHASE 1  |  | PROJECT NO  |  | DIS CODE   |  | AREA                            |  | DISP                   |  | TYPE  |  | DRG NO  |  | SHEET |  | STATUS |  | REV |  |
| DRAWING NO.               |  | REFERENCE  |  | 1   |  | 7  |  | 8                               |  | 5                      |  | C   |  | O   |  | 1     |  | 5      |  | 0   |  |
|                           |  |  |  | C   |  | D  |  | W                               |  | G                      |  | 0   |  | 0   |  | 0     |  | 9      |  | 0   |  |
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