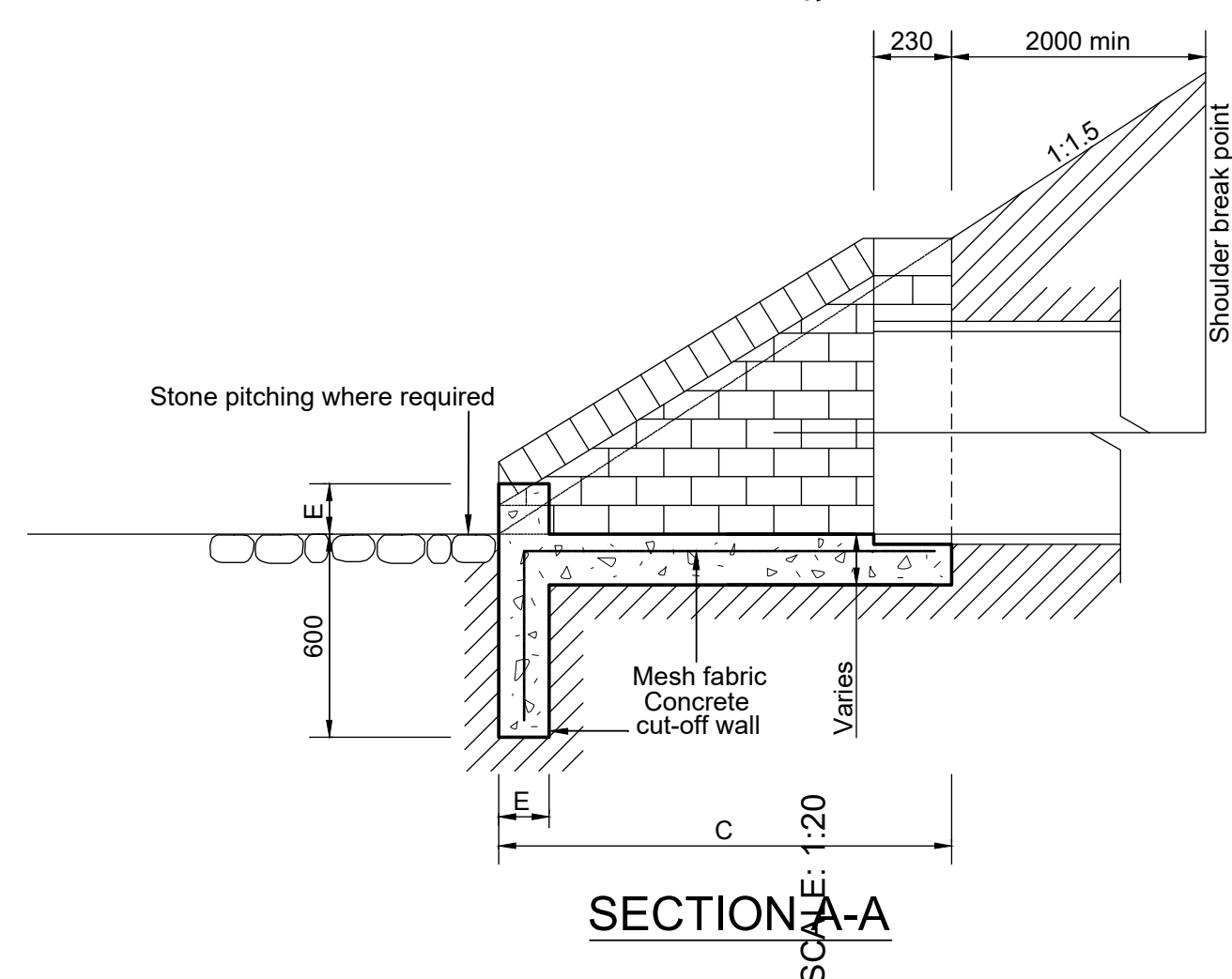
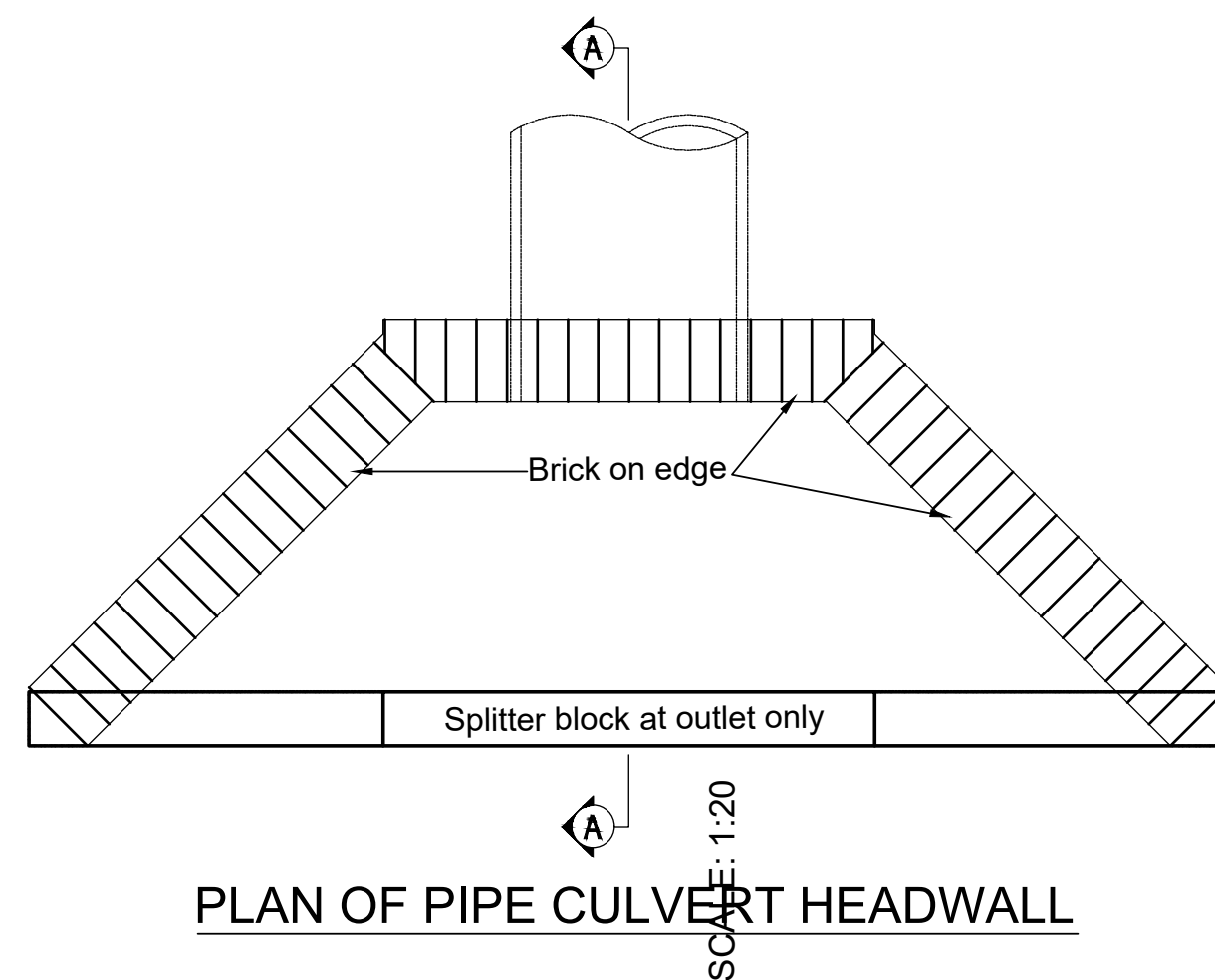
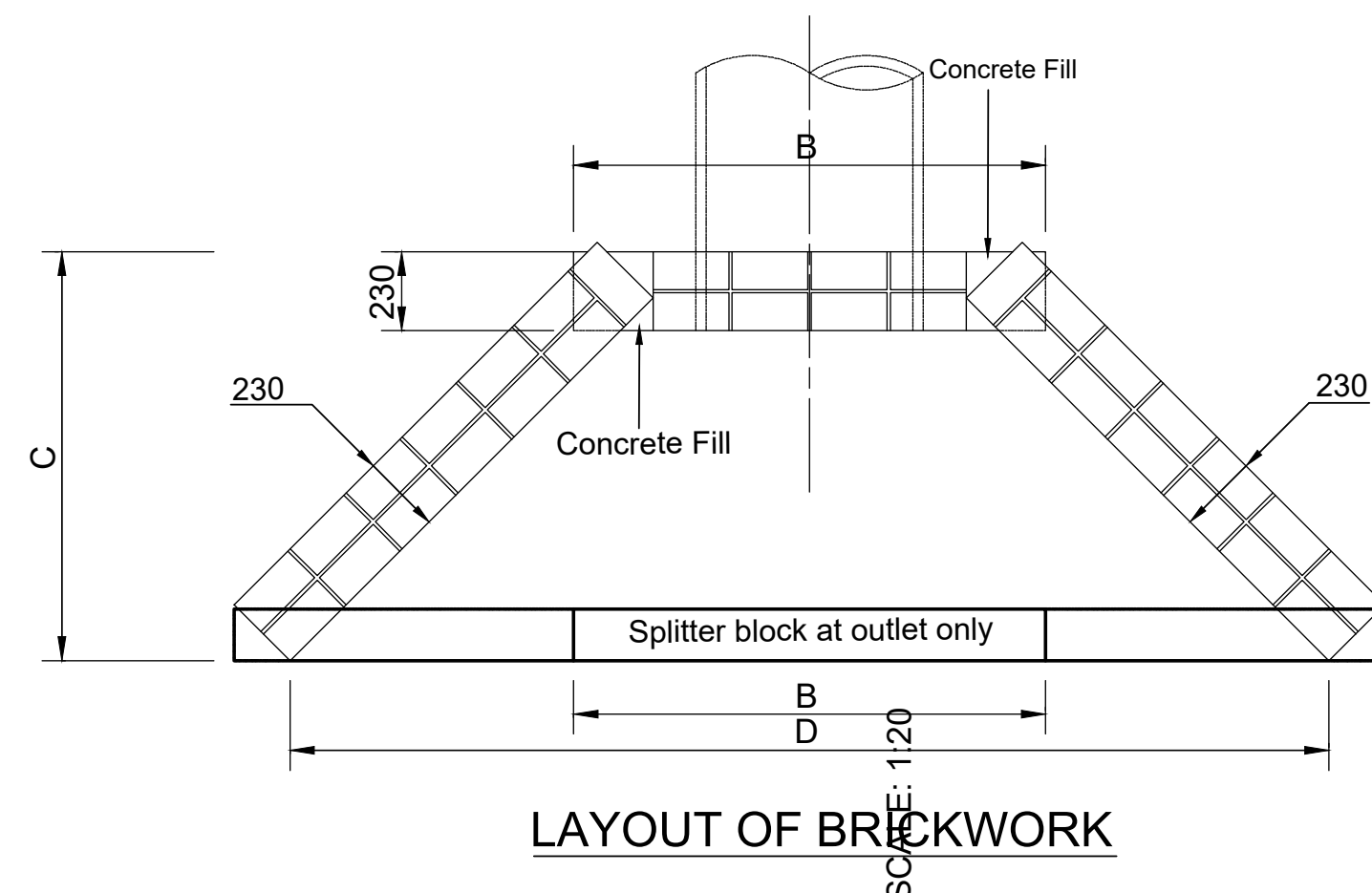
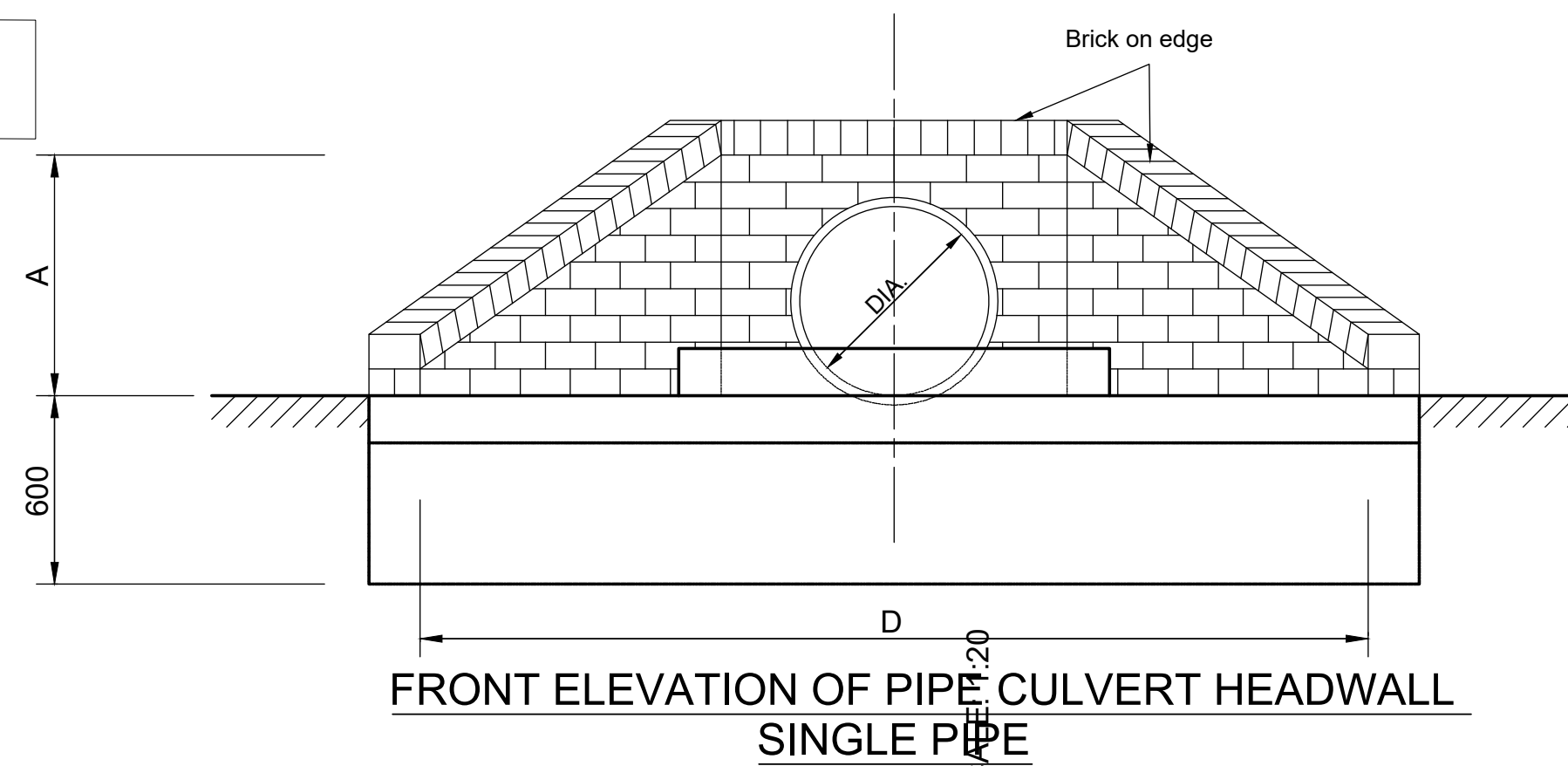


DRAWING STATUS:
DETAILED DESIGN



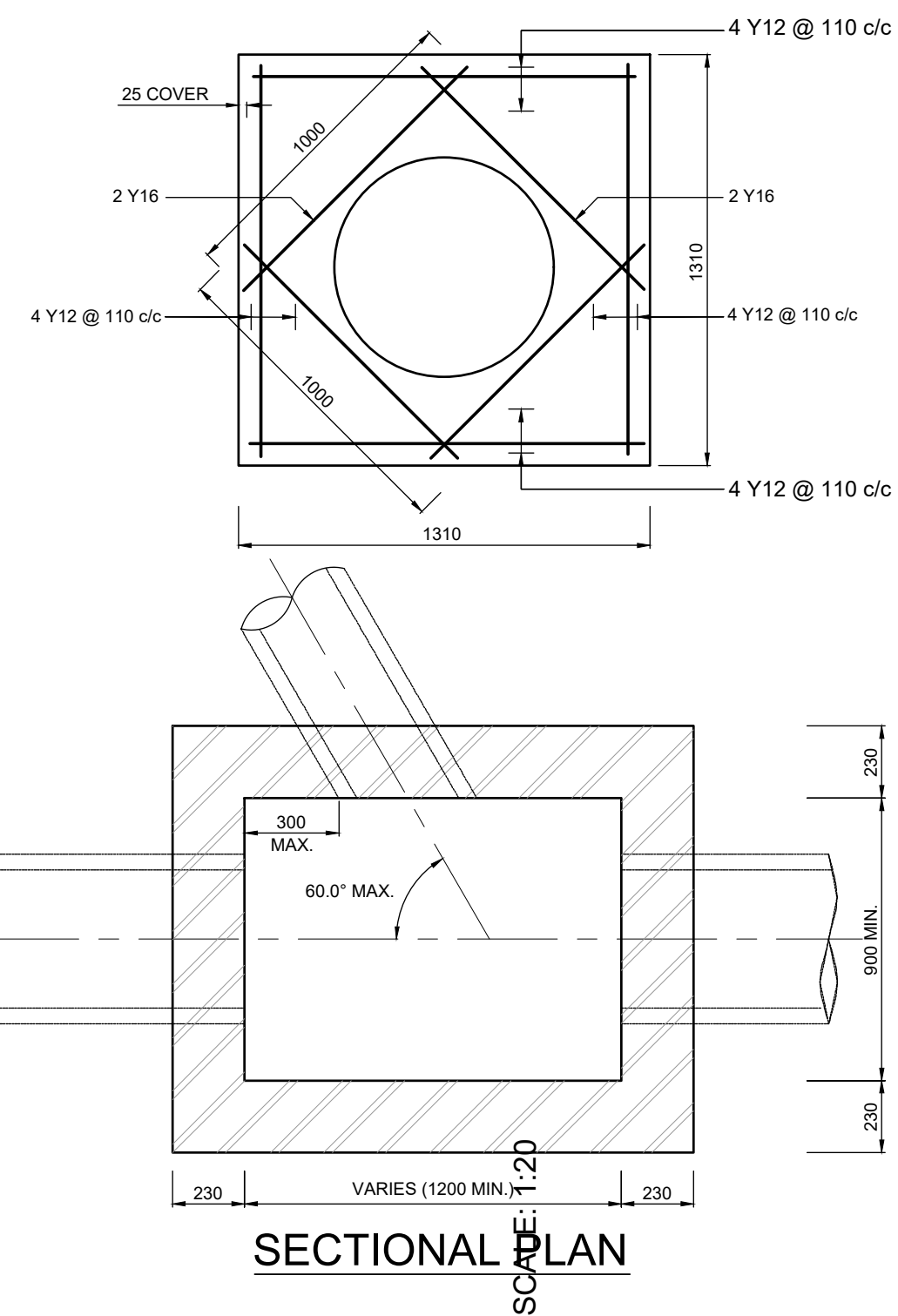
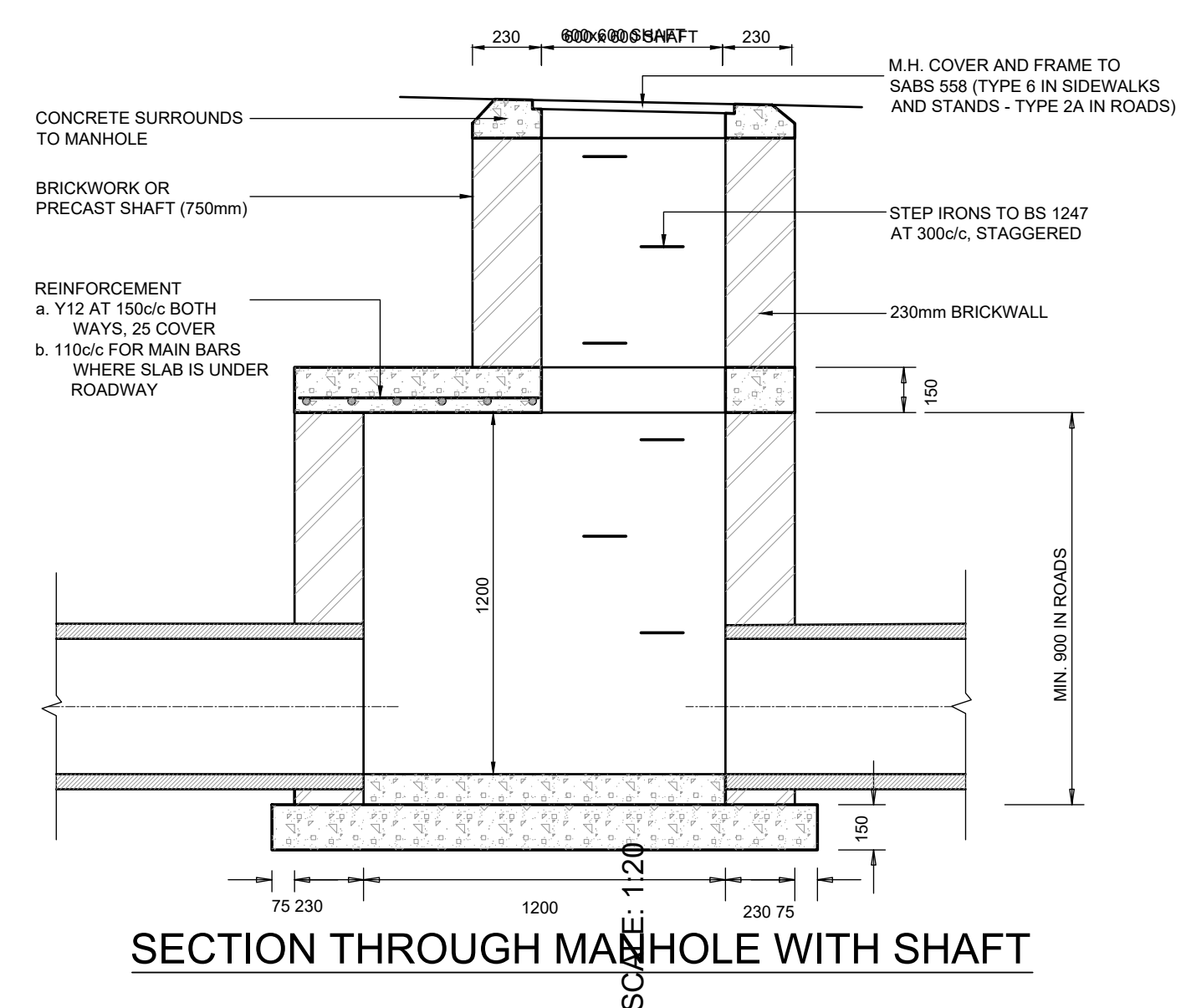
- NOTES :**

 1. SPLITTER BLOCK AND PITCHING TO BE PROVIDED AT ALL OUTLETS WHERE EROSION IS LIKELY TO OCCUR.
 2. SPLITTER BLOCK MAY BE OMITTED IF DISCHARGE VELOCITY IS LESS THAN 0.9 M/SEC.
 3. CUT-OFF WALLS MAY BE OMITTED IF STRUCTURE IS FOUNDED ON ROCK.
 4. PIPES TO BE CUT FLUSH WITH HEADWALL.
 5. IF CORRUGATED METAL PIPES ARE USED 420X20MMX150MM LONG GALVANISED ANCHOR BOLTS IN THE HOLLOW OFS OF THE CORRUGATION ARE TO BE USED.
 6. ALL CONCRETE IS TO BE 20MPA.
 7. SQUARE MESH FABRIC (REFERENCE S.M.F. 200) IS TO BE PLACED 50MM FROM TOP IN ALL APRON SLABS AND CENTRALLY IN CUT-OFF WALLS.
 8. BRICKWORK IS TO CONSIST OF GOOD QUALITY BURNT CLAY COMMON BRICKS IN ACCORDANCE WITH

BRICKS IN ACCORDANCE WITH SABS 987 SPECIFICATION, UNIFORM IN SIZE AND SHAPE.

SKINS TIED TOGETHER WITH GALVANISED CRIMPED WIRE LATH TIES.

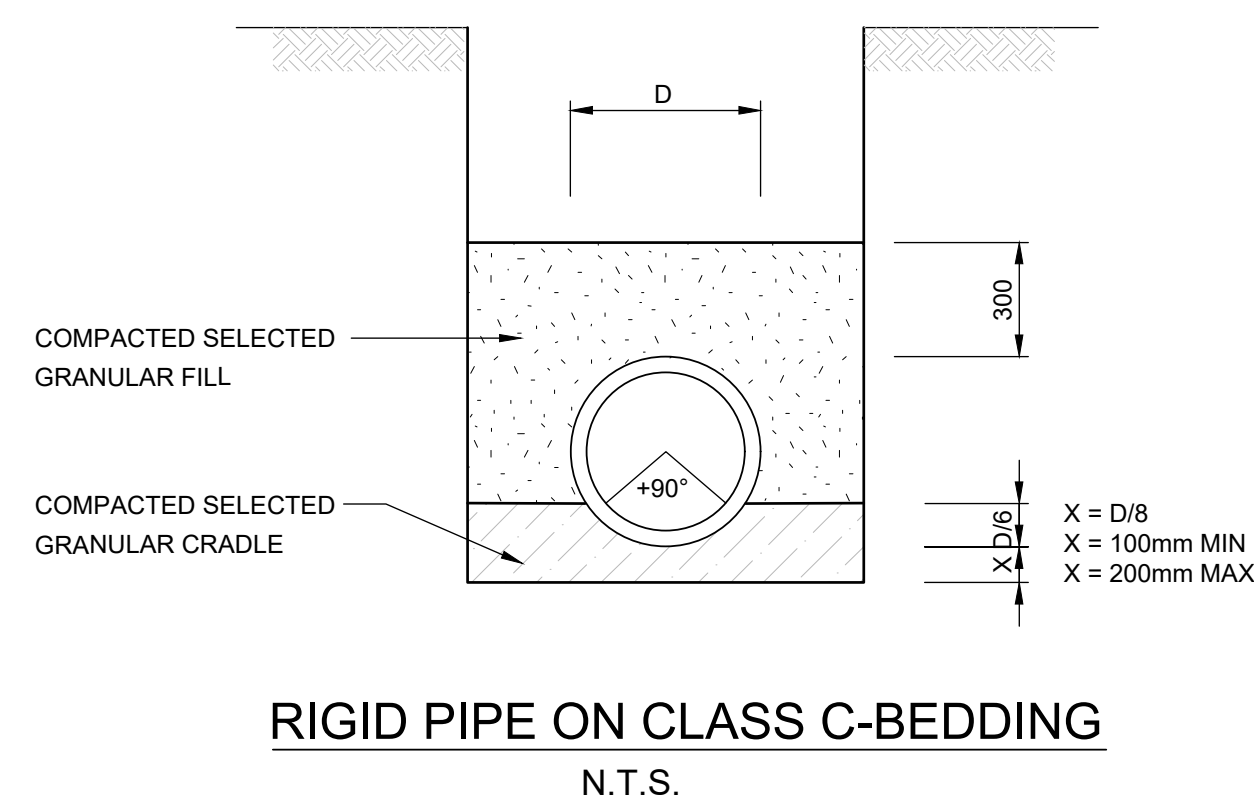
 9. BRICKWORK IS TO BE PLACED EVERY 4TH COURSE.
 10. JOINTING ON ALL VISIBLE FACES TO BE POINTED
 11. NO IN-FILL SHALL BE LARGER THAN A HALF STANDARD BRICK SIZE UNLESS 15MPA CONCRETE IS USED.



REINFORCEMENT DETAIL FOR COVER SLAB
STORMWATER JUNCTION BOX DETAILS
SCALE 1:20

- ### NOTES:
1. CONCRETE STRENGTH TO BE AS FOLLOWS:
 - a. MANHOLE SURROUNDS AND BENCHING: CLASS 15/19
 - b. CAST IN-SITU DECK SLABS & FOUNDATION: CLASS 20/19
 - c. PRECAST COVER SLABS & OTHER ITEMS: CLASS 25/19
 - d. CAST IN-SITU KERBS, APRONS ETC.: CLASS 25/19
 2. ALL FLOORS AND BENCHING TO BE STEEL TROWELLED WITH A SMOOTH RADIUS.
 3. ALL BRICKS TO BE F30 SE TO SABS 227-1986 WITH WATER ABSORPTION < 14% AND EFFLORESCENCE OF 10, BUILT IN ENGLISH BOND.
 4. MANHOLE & KERB INLET WIDTHS AND DEPTHS:
WIDTH:-
 - 750 mm PIPES AND LESS - 900mm
 - 825 mm PIPES AND MORE - 1200mmSOME JUNCTION MANHOLE SIZES TO BE DETERMINED ON SITE.
DEPTH:-

THE DEPTH INDICATED SHOULD BE INCREASED IF NECESSARY FOR MANHOLES TO PERMIT SUFFICIENT DEGREE HEAD TO DEVELOP. MANHOLE DEPTH > 1.75m, WIDTH OF BACKWORK TO BE INCREASED TO 330mm.
 5. KERB INLET - THE APRON OVER THE LENGTH OF THE KERB INLET AND THE TRANSITION TO BE LOWERED BY 25mm
 6. NO BACKFILL TO BE DONE UNTIL MORTAR IS SEVEN DAYS OLD.
 7. PROVIDE STEEL IRONS WHEN DEPTH > 1.00m
 8. PIPES AT INLET AND OUTLET TO BE LAID SLOTT TO SOFFIT
 9. SHOULD THERE BE A CHANGE IN PIPE DIAMETER THE GREATER OF THE TWO SHOULD BE USED TO DETERMINE THE POSITIONING OF THE PIPES
 10. ALL ROAD WORKS TO COMPLY WITH THE SABS 1200 SPECIFICATIONS.



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| REV | DRAWINGS TITLE | CHK | APP |
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| P | REV | DESCRIPTION | DATE | CHK APP |
| | | REVISIONS | | |

PROFESSIONAL SERVICE PROVIDER

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Fax: 086 218 8529
email: admin@aesconsulting.co.za

| | NAME | PR. NUMBER | SIGNATURE | DATE |
|----------------|---------------------|------------|-----------|------------|
| DESIGNED | GEORGE T KALENGA | | | 25-05-2021 |
| DRAWN | GEORGE T KALENGA | | | 29-05-2021 |
| CHECKED | CUTHBERT NGAIRONGWE | | | 29-05-2021 |
| PROJ. ENGINEER | | | | |
| PROJ. MANAGER | | | | |
| APPROVED | | | | |

| CLIENT APPROVAL | | | |
|------------------|---------|-----------|------|
| TITLE | INITIAL | SIGNATURE | DATE |
| GENERAL MANAGER | | | |
| PROJECT MANAGER | | | |
| PROJECT ENGINEER | | | |

CLIENT



LIMPO
 LIMPO GROUP
 CONSULTING SERVICES

CoGHSTA
 20 Rabe Street
 Polokwane
 0699

DIVISION OF
**CO-ORDINATING GOVERNANCE,
 HUMAN SETTLEMENTS & TRADITIONAL AFFAIRS**

| |
|---------------------------------------|
| PROJECT / DRAWING TITLE |
| TALANA COMMUNITY RESIDENTIAL UNITS |
| HEADWALL DETAILS |

| | |
|------------------------|------------------|
| SCALE: NOT TO SCALE | SHT. No. of 1 |
| CONTRACT No. - | PROJECT No. - |

DRAWING No.
AES-COGHSTA-TCRU-C-213

