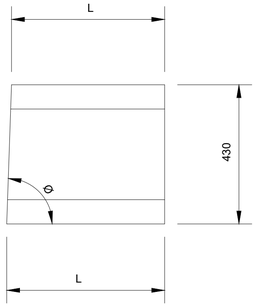
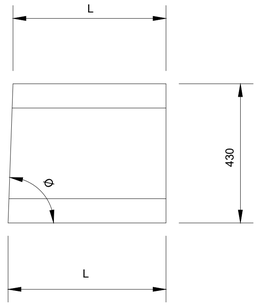
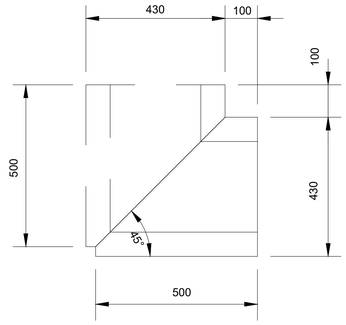


BASE 205, 295 OR 365
(EXT. OR INT. RADIUS)

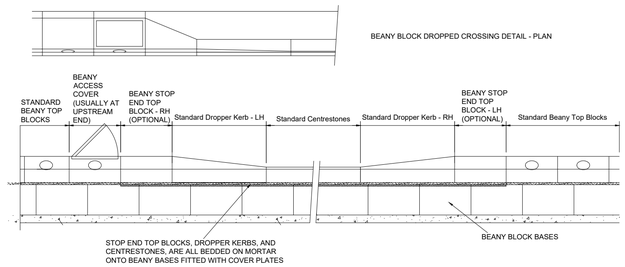


BASE 630
(EXT. OR INT. RADIUS)

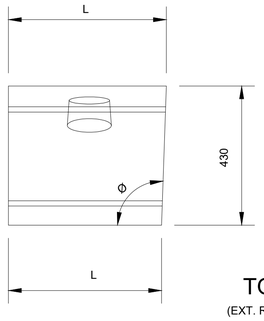


90° TOP AND BASE
(EXT. OR INT. RADIUS)

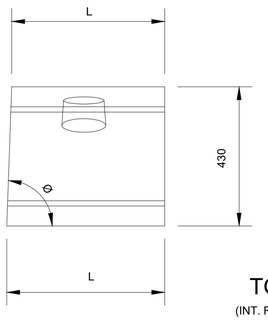
NOTES FOR BEANY BLOCK DETAILS SHEETS
DRAWINGS 1 TO 8
1. Mortars shall be;
i) A Mortar class 12 cement mortar to BS EN 998-2 for bedding the Top Blocks
ii) Marshalls' M-Flex for bedding Base Block Outfalls onto the Beany Trapped Gully Unit
iii) Marshalls' M-Flex for bedding the sections of the Marshalls' Trapped Gully Unit sections
2. Concrete bed, haunch and surround shall be;
i) A mix ST1 concrete to BS 8500-1&2 and BS EN 206-1 for Base Blocks used in the normal kerb application
ii) A mix ST4 concrete to BS 8500-1&2 and BS EN 206-1 for Base Blocks used within the carriageway (i.e. where Base Block are used with cover plates and are trafficked)
iii) A mix ST4 concrete to BS 8500-1&2 and BS EN 206-1 for Beany Trapped Gully, Silt Traps, Catch Pits and outfall details
iv) The specification for carrier pipe concrete surround is by others
3. Marshalls' vertical joint sealant, M-Seal, shall be applied to all Base Blocks.
4. For Base 630 applications, all Outfalls, Silt Traps and junctions should be formed by a brick Catch Pit structure;
i) The outfall pipe diameter, gradient, depth to invert, depth of trap shall be by others
ii) The internal dimensions of the catch pit shall be 540 wide x 1000 long for Base 630 applications
iii) Corbelled brickwork with a maximum of 22mm steps shall be used to support the Access Cover and Frames
5. Beany Block Access Covers and Frames are hinged and handed to the direction of the traffic, specified "nearside" and "offside".
6. Movement joint details that fully isolate the Beany Block whilst maintaining restraint shall be provided adjacent to all concrete slabs, even when the slab is covered by other materials.
7. Stop End Top Blocks Units are available as left hand (LH) or right hand (RH) for use at transitions to half battered kerbs.
8. For Beany Block with cover plate a minimum of 50mm concrete cover (d) and 100mm of surfacing (D) will be required.
9. All dimensions are in millimetres.



BEANY BLOCK DROPPED
CROSSING DETAIL - ELEVATION



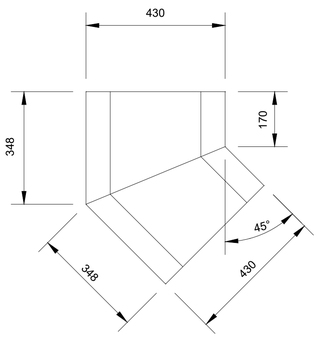
TOP
(EXT. RADIUS)



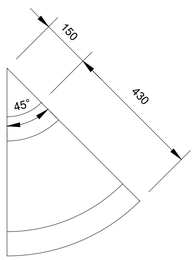
TOP
(INT. RADIUS)

COVER PLATE DIMENSIONS:

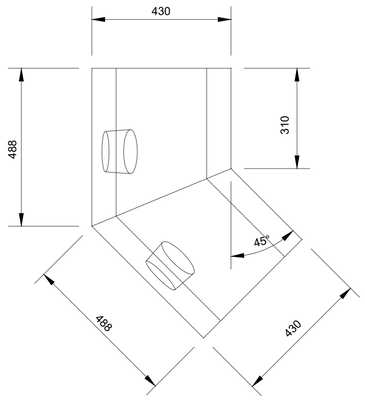
- STRAIGHT: 500 x 340.
- 50/11, 10/8, 7/6 AND 90°
  SUPPLIED TO MATCH
  RESPECTIVE BASES.
- ALL 12.5 THICK.



45° TOP AND BASE
(INTERNAL)



BASE UNIT BEND



45° TOP AND BASE
(EXTERNAL)

TYPE OF BLOCK		RADIUS	L	I	Ø°
50/20 -	BASE 205, 295 OR 365 (EXT. & INT. RAD.)	50.0 - 19.1	488	481	89
19/11	" " "	19.0 - 10.8	488	473	88
10/8	" " "	10.7 - 7.7	488	464	87
7/6	" " "	7.6 - 6.0	488	457	86
50/20 - BASE 630 (EXT. & INT. RAD.)		50.0 - 19.1	330	324	89
19/11	" " "	19.0 - 10.8	330	318	89
10/8	" " "	10.7 - 7.7	330	312	88
7/6	" " "	7.6 - 6.0	330	306	87
50/20 - TOP (EXT. RAD.)		50.0 - 19.1	488	481	91
19/11	" "	19.0 - 10.8	488	473	92
10/8	" "	10.7 - 7.7	488	464	93
7/6	" "	7.6 - 6.0	488	457	94
50/20 - TOP (INT. RAD.)		50.0 - 19.1	488	481	89
19/11	" "	19.0 - 10.8	488	473	89
10/8	" "	10.7 - 7.7	488	464	87
7/6	" "	7.6 - 6.0	488	457	86

DATE	STATUS	REV	REVISION DESCRIPTION	REFERENCE DRAWING No.	REFERENCE DRAWING TITLE

NOTES:

		SIGNATURE
DESIGNED BY	M.TSHUMA	N/A
DRAWN BY	Z.BIYELA	N/A
DESIGN CHECKED	T.ZUMA	N/A
DRAWING CHECKED	M.TSHUMA	N/A
Pr TECH/ Pr ENGINEER APPROVAL		
NAME	T.ZUMA	SIGNATURE
DATE		PROFESSIONAL REG No. 201170074

ENGINEER:
MAFAHLENI ENGINEERS AND PROJECT MANAGERS
49 Ferreira Street
Nelspruit
1200
DEPARTMENT: CIVIL

CLIENT:
Emalahleni Local Municipality
EMALAHLENI MUNICIPALITY
P.O. Box 3
Emalahleni
1035

PROJECT TITLE
PROPOSED REHABILITATION OF BEATTY & DIEDERICKS

DRAWING TITLE
BEANY BLOCK DETAILS: SHEET 2 OF 2

DRAWING STATUS DESCRIPTION: D=DEVELOPMENT T=TENDER P=PLANNING C=CONSTRUCTION A=AS BUILT
SCALE: NTS | SHEET: 2OF2 | SHEET SIZE: A1
MAFAHLENI ENGINEERS DRAWING NUMBER

ME PROJECT DESCRIPTION	DISCIPLINE	NUMBER	STATUS	REV
EMAL- 2024 - RDS -	015	- T -	00	