



CONSTRUCTION NOTES:
STORMWATER

- CONSTRUCTION:**
 - ALL CONSTRUCTION, TESTING AND MATERIALS TO COMPLY WITH 1200 SERIES OF SPECIFICATIONS.
 - PIPE BEDDING TO BE CLASS B AS PER SABS 1200 LB WITH BEDDING CRADLE OF SELECTED FILL QUALITY.
 - PIPES AS PER DRAWING.
 - WHERE STORMWATER PIPES CROSS THE SEWER LINE A CLASS 'A' BEDDING MUST BE PROVIDED 2.0m EACH WAY UNDER THE STORMWATER LINE.
 - MINIMUM FALLS ON ALL PIPES = 1:100 U.O.S.
- MATERIALS:**
 - ALL BRICKS TO BE ENGINEERING UNITS TYPE NF-XE-14 AS PER SABS 27 & 285.
 - ALL MANHOLE COVERS TO BE 650x400 HEAVY DUTY, OGEE STORMWATER PIPES TO BE NON-PRESSURE PIPES, AS PER SABS 877 CLASS 750.
 - HOPE STORMWATER PIPES TO BE 8kN/m² RING STIFFNESS CORRUGATED PIPES AS SUPPLIED BY MAGNUM OR SIMILAR APPROVED.
 - STEP IRONS TO COMPLY WITH SABS 1247.
 - DUE TO THE CORROSIVE NATURE OF THE SOIL NO GALVANISED MATERIAL MAY BE USED.
- NOTE ON STORMWATER CONNECTIONS:**
 - CONTRACTOR TO LOCATE THE EXISTING STORMWATER PIPES ON SITE AND VERIFY ALL INVERT LEVELS WITH THE ENGINEER PRIOR TO ANY CONSTRUCTION. THE EXISTING SERVICES ARE TO ADEQUATELY PROTECTED AND ANY DAMAGE IS TO BE REPAIRED AT THE CONTRACTORS COST.
 - ALL NEW STORMWATER PIPES MUST BE LAID AT AN ANGLE OF NOT LESS THAN 30 DEG. AND NOT MORE THAN 60 DEG. TO THE EXISTING PIPE.
 - ALL PIPES MUST BE LAID SOFFIT TO SOFFIT.

- LEGEND**
- PROPOSED STORMWATER PIPE
 - PROPOSED JUNCTION BOX (REFER TO JRA STANDARD DETAILS)
 - PROPOSED KERB INLET (REFER TO JRA STANDARDDETAIL DRAWINGS)
 - PROPOSED HEAD WALL STRUCTURE AND ENERGY DISSIPATOR (REFER TO JRA STANDARD DETAIL DRAWINGS)
 - PROPOSED ATTENUATION POND

REFERENCE DRAWINGS
 2024_0021_3023
 JRA STANDARD DETAIL DRAWINGS

ENGINEER SIGNATURE:

ISSUE / REVISION

NO.	DATE	DESCRIPTION	ISS BY
1	2024-11-10	FOR APPROVAL	JB
2	2024-05-21	FOR INFORMATION	JB
3	2024-04-21	FOR INFORMATION	JB

DRAWING STATUS
APPROVAL



CLIENT
 CRAIG MURCHIE

PROJECT
 LANSERIA

DRAWING CHECKS

DESIGNED BY:	J. BRITS
DRAWN BY:	J. BRITS
CHECKED BY:	J. BRITS
APPROVED BY:	J. BRITS

SIGNATURE

DRAWING TITLE
 STORMWATER MANAGEMENT LAYOUT - PRE DEVELOPMENT

SCALE

DRAWING NUMBER	REV
2024-0021-C-3022	C

STORMWATER MANAGEMENT LAYOUT - PRE DEVELOPMENT
 Scale: 1:1750

CATCHMENT B3:
 AREA = 16 454 m²

CATCHMENT 006:
 AREA = 23 284 m²
 C COEFFICIENT: 0.95
 LONGEST FLOW = 290m