

GENERAL Notes:

1. SET BOTTOM ROW OF BLOCKS IN WET CONCRETE
2. ALL BACKFILL TO BE COMPACTED TO 95% MOD AASHTO DENSITY
3. PROVE ALL SERVICES PRIOR TO CONSTRUCTION
4. ALL WORK AREAS TO BE REINSTATE PREPARED CONCRETE, ETC.)
5. MUNICIPALITY TO EXECUTE ALL CONNECTIONS INTO MUNICIPAL LINES
6. UNLESS OTHERWISE AGREED WITH ENGINEER, CONTRACTOR TO SUPPLY ENGINEER WITH RESULTS OF COMPACTION TESTS, AND WHEN APPLICABLE, PERCENTAGE STABILIZATION TESTS ON BACKFILL
7. STORM WATER BEHIND THE TOP OF THE WALL TO BE MANAGED IN SUCH A MANNER AS TO OBVIATE SCOUR BEHIND OR OVER-TOPPING OF THE WALL
8. BACKFILL TO BE BENCHED IN COMPETENT GROUND
9. ALL LEVELS AND DIMENSIONS TO BE VERIFIED ON SITE
10. SUBSOL DRAINS TO BE USED WHEN INSTRUCTED BY ENGINEER
11. ALL SETTING OUT TO BE UNDERTAKEN BY A REGISTERED PROFESSIONAL LAND SURVEYOR
12. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE STRUCTURAL ENGINEERING DRAWINGS
13. ALL WORKS IN ACCORDANCE WITH CITY OF DURBAN SPEC AND SANS 1200

MATERIAL COMPLIANCE TESTING

1. RESULTS OF COMPACTION AND CBR TESTS ON IN-SITU SUB-BASE MATERIAL AND FILLED SUB-BASE MATERIAL MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE THE UPPER LAYER WORKS ARE IMPORTED TO THE SITE AND PLACED

FREQUENCY OF TESTS

1. CBR TESTS 1 PER 500m² (AS REQUESTED BY ENGINEER ON SITE)
2. COMPACTION TESTS 1 PER 200m² / LOT NOTE: COMPACTION TESTS WILL BE REQUIRED FOR EACH OF THE HAVING LAYER WORKS THAT IS IMPORTED AND COMPACTED IN PLACE

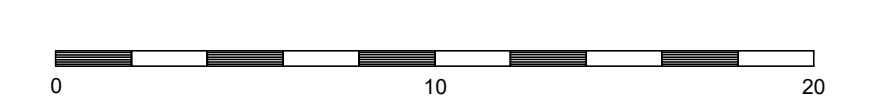
RETAINING WALL :

1. ALL LEVELS AND DIMENSIONS TO BE CHECKED ON SITE
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS
3. ALL CONCRETE WORK IS TO COMPLY WITH SANS 1200G
4. CONCRETE CLASS:
 - a) STRIP FOOTINGS & BASES
 - b) AS INDICATED ON DRAWINGS
5. COVER TO REINFORCEMENT:
 - a) AS INDICATED ON DRAWINGS
6. ALL FOUNDATION EXCAVATIONS ARE TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE
7. ALL REINFORCING FIXING IS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE
8. SIX CONCRETE CUBES TO BE TAKEN PER POUR, THREE CUBES TO BE TESTED AT SEVEN DAYS, THE REMAINDER AT TWENTY EIGHT DAYS, THE RESULTS ARE TO BE APPROVAL, FORWARDED TO THE ENGINEER FOR REVIEW AND
9. ALL STRUCTURAL CONCRETE IS TO BE CURED FOR A MINIMUM OF FIVE DAYS. INSPECTIONS
10. THE ENGINEER REQUIRES 24 HOURS NOTICE FOR ALL

ROADS :

1. ALL LEVELS, DIMENSIONS AND SETTING OUT DETAILS TO BE VERIFIED BY CONSULTANT AND CONTRACTORS ON SITE PRIOR TO CONSTRUCTION
2. ALL EXISTING DRAINAGE CULVERTS ARE TO BE INSPECTED, AND ANY FOUND IN UNSERVICEABLE CONDITION ARE TO BE REPLACED UNLESS SHOWN OTHERWISE
3. CULVERT INVERTS ARE TO BE DECIDED BY ENGINEER ON SITE UNLESS SHOWN OTHERWISE. MIN. COVER = 600MM, MIN SLOPE = 2%
4. FOR EROSION CONTROL, GABION MATTRESSES ARE RECOMMENDED AT CULVERT INLETS AND OUTLETS
5. ROCK BOLSTERS ARE TO BE PLACED ACROSS THE INVERT OF DRAINS SUSCEPTIBLE TO EROSION FOR EVERY 2M VERTICAL DROP
6. SUBSOL DRAINS ACCORDING TO CIVIL ENGINEERS DETAILS AND SPECIFICATIONS ARE TO BE INSTALLED WITH DRAINS OR WHERE HIGH WATER TABLES ARE ENCOUNTERED
7. THE POSITIONS OF ACCESSIBLE ARE TO BE DETERMINED IN CONSULTATION WITH THE LOCAL COMMUNITY. DAYLIGHT REQUIREMENTS ARE TO BE DECIDED BY THE ENGINEER ON SITE. CONCRETE WEDGES ACCORDING TO CIVIL ENGINEERS DETAILS AND SPECIFICATIONS MAY BE USED IN PLACE OF SURFACED BELL MOUTHS FOR ACCESSIBLE SERVING SINGLE RESIDENTIAL PROPERTIES
8. EXISTING ROAD SIGNS, SERVICES AND FENCING AFFECTED BY CONSTRUCTION ARE TO BE REMOVED/RELOCATED WHERE NECESSARY
9. UNDERGROUND SERVICE CROSSINGS AND MARKERS ARE TO BE ACCORDING TO CIVIL ENGINEERS DETAILS AND SPECIFICATIONS
10. ALL NEW ROAD SIGNS AND ROAD MARKING REQUIREMENTS ARE TO CONFORM TO THE SOUTHERN AFRICAN DEVELOPMENT COMMUNITY ROAD TRAFFIC SIGNS MANUAL (SADC - RTSMA)
11. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH "COLTO SPECIFICATIONS FOR ROAD AND BRIDGE WORKS FOR STATE ROAD AUTHORITIES"
12. ALL SURVEY AND SETTING OUT DATA PROVIDED IS BASED ON (WGS 84)
13. NEW FILLS AND EXPOSED CUTTINGS ARE TO BE TOP-SOILED AND VEGETATED IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION

SCALE (mm)



No.	REFERENCE DRAWINGS		
4917/100	ROAD, FOOTPATHS AND STORMWATER LAYOUT AND DETAILS		
REV	DESCRIPTION	BY	DATE
P1	PRELIMINARY	Z.M	2022.09.12

Professional person

Registration

CLIENT



PROJECT

eTHEKWINI INCREMENTAL SERVICES BHAMBAY

DETAILS

ROAD LONG SECTIONS SHEET 3



DESIGNED	Z.M	COPYRIGHT RESERVED	SCALES
DRAWN	Z.M	AS SHOWN	
APPROVED	A.S	PL	DATE 2022.09.12

TENDER No.

DRAWING No. 49171/306

REV P1

PRELIMINARY