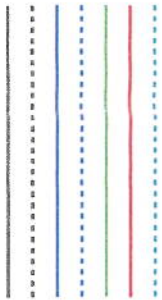


DO NOT SCALE

TIMBER CRIB WALL BY SPECIALIST SUBCONTRACTOR DESIGN.  
SLEEPER/LOG WALL.  
LOW MASONRY WALL. (DETAIL A, B, C DEPENDING ON HEIGHT)  
LOW REINFORCED CAVITY WALL. (DETAIL D)  
REINFORCED CAVITY WALL. (DETAIL E)  
TALL REINFORCED CAVITY WALL. (DETAIL F)  
PEDESTRIAN MASONRY WALL WITH RAILINGS. (DETAIL G)



NOTES

1. ALL DRAWINGS SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
2. REFERENCE TO BANNERS GATE ENGINEERING LAYOUT DRAWINGS SHOULD BE MADE FOR FULL SCOPE AND LOCATION OF RETAINING WALLS.
3. REFER TO URS DRAWING 1370 FOR RETAINING WALL DETAILS.
4. TIMBER CRIB AND SHEET PILE WALL TO SPECIALIST SUB-CONTRACTOR DESIGN AND SPECIFICATION. MINIMUM DESIGN LIFE: 60 YEARS.

Route 6:  
Barang Isulu

01 SEP 2010

RECEIVED  
ENVIRONMENTAL  
AND ECONOMIC



|                  |          |          |
|------------------|----------|----------|
| STATUS           |          | DATE     |
| DESIGN           | APPROVED | 14/01/10 |
| FOR CONSTRUCTION |          |          |

URS

CLIENT  
CREST NICHOLSON  
SOUTH WEST



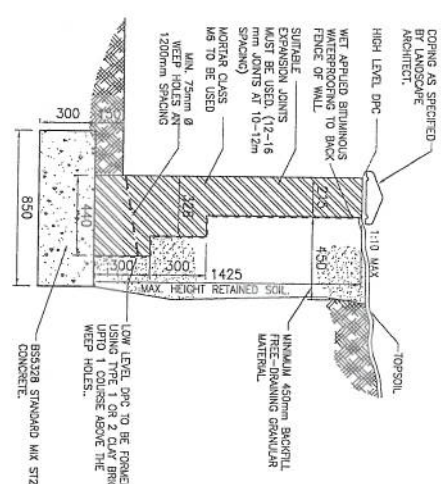
PROJECT  
PENARTH HEIGHTS  
PLOTS 273-377 (EX. BLOCK A)

DRAWING TITLE  
RETAINING WALLS

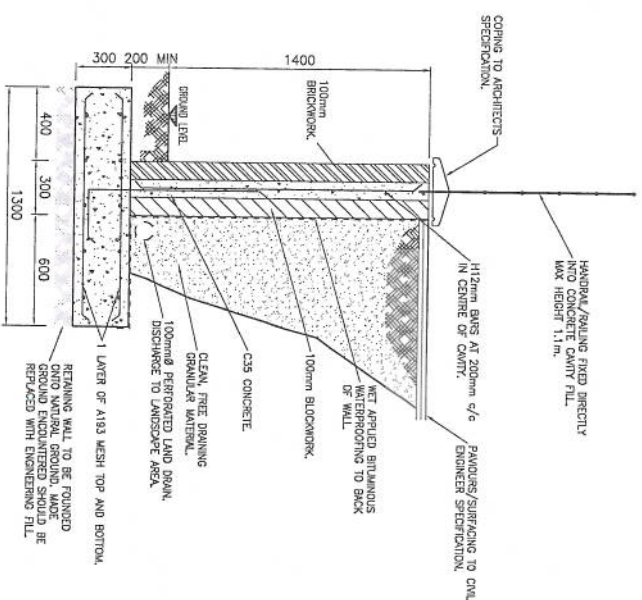
|       |                        |            |
|-------|------------------------|------------|
| DRAWN | DATE                   | DATE       |
| JM    | MB                     | APRIL 2010 |
| SCALE | REV                    | B          |
| 1:500 | 49310142/11845/PA/1362 |            |

ORIGINAL DRAWING A1

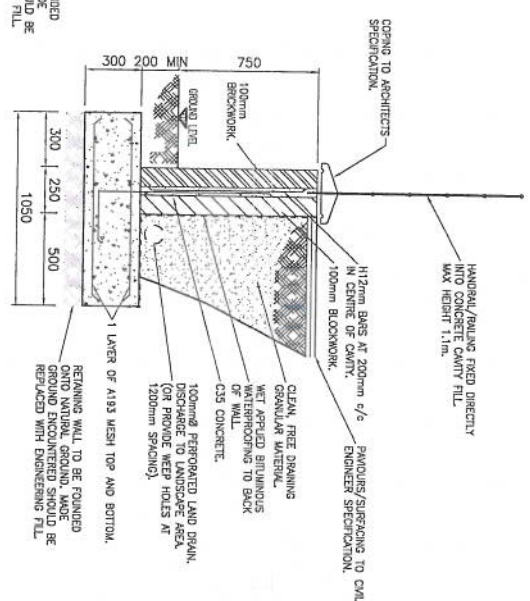




WALL TYPE C,  
TYPICAL MASONRY RETAINING WALL UP TO 1275mm  
FOR USE IN NON TRAFFICKED AREAS ONLY



WALL TYPE D  
(SUITABLE FOR TRAFFICKED AREAS)



WALL TYPE G  
(SUITABLE FOR TRAFFICKING)

PLEASE REFER TO THE DESIGNERS HEALTH AND SAFETY RISK ASSESSMENT FOR INFORMATION ABOUT THE IDENTIFIED ABNORMAL RISKS ASSOCIATED WITH THE DESIGN AND CONSTRUCTION.

URS DOCUMENT REFERENCE: BRN00001.

[illegible]

CONSULTING ENGINEERS



TEL 01173-178500 FAX 01173-178549



**Crest**  
NICHOLSON

Head Office: Suite 200, 250 West Street, New York, NY 10014  
Tel: 212 512 2000 Fax: 212 512 2001

 $\mathcal{K}(\mathcal{A})$ 

DRAWING TITLE  
TYPICAL MASONRY RETAINING WALL  
& FENCING SUPPORT DETAILS

|          |                        |         |          |            |
|----------|------------------------|---------|----------|------------|
| DRAWN    | TRACED                 | CHECKED | APPROVED | DATE       |
| JM       |                        | MB      | MB       | APRIL 2010 |
| SCALE    | Dwg. No.               |         |          | REV.       |
| AS SHOWN | 49310142/11845/PA/1370 |         |          | C          |



- DESIGN AND INSTALLATION OF TIMBER CRIB WALL TO SPECIALIST SUB CONTRACTOR SPECIFICATIONS.

DO NOT SCALE

DRIVEN PILED SOLUTION TO PLOTS 287 AND 288.

PROPOSED CRIB-LOCK WALL SOLUTION.

EM ACCESS

RETAINING WALL TAPERS TO ZERO HEIGHT

BORED PILE SOLUTION TO PLOT 308 TO AVOID DISPLACING CRIB WALL DURING PILE INSTALLATION WORK.

DRIVEN PILED SOLUTION TO PLOTS 307, 306 etc

ROAD 12

SECTION B-B  
(SCALE 1:50)

CAD drawing plotted on 16th July 2010 at 16:14 by JOSU\_MURILLO