

## **CONSTRUCTION NOTES**

- 1.0 GENERAL
- 1.1 THESE NOTES APPLY TO HIGHWAYS DRAWINGS H1 TO H2.
- 1.2 ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
- 1.3 ALL WORKS IS TO BE DONE IN ACCORDANCE WITH THE MINISTRY OF WORKS & ENGINEERING STANDARD SPECIFICATIONS DATED 2010.
- 1.4 ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS FOR THIS PACKAGE, WHERE A DISCREPANCY EXISTS BETWEEN THE DRAWINGS AND SPECIFICATIONS SHOULD BE BOUGHT TO THE ENGINEER'S ATTENTION.
- 1.5 DO NOT SCALE THE DRAWINGS, DIMENSIONS ARE TO BE USED AS A GUIDE ONLY, CONTRACTOR TO FIELD MEASURE FOR ALL DIMENSIONAL REQUIREMENTS.
- 1.6 ALL DETAILS AND ARRANGEMENTS OF EXISTING CONDITIONS, DIMENSIONS, ETC, TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION, AND DISCREPANCIES TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER REPRESENTATIVE.
- 1.7 CONTRACTOR TO MAKE GOOD ANY DAMAGES CAUSED ON SITE, REPAIRING TO MATCH EXISTING OR AS APPROVED BY ENGINEER.

# 2.0 FOUNDATIONS

- 2.1 FOUNDATION ARE TO BEAR ON UNDISTURBED GROUND OR ROCK. BEARING MATERIAL IS TO REMAIN UNDISTURBED AND BE REVIEWED BY THE ENGINEER PRIOR TO POURING FOOTING.
- 2.2 ANY SOFT AREAS IN THE ROCK ARE TO BE REMOVED AND FILLED WIH 20MPA CONCRETE TO THE ENGINEERS APPROVAL.

# 3.0 CONCRETE

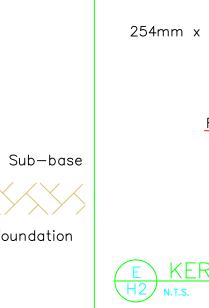
- 3.1 ALL CONCRETE WORK TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.
- 3.2 CONCRETE MIX DESIGNS TO BE SUBMITTED TO ENGINEER FOR APPROVAL.
- 3.3 CONCRETE PROPERTIES ARE TO BE AS FOLLOWS; USE 20MPA (3,000PSI) CONCRETE STRENGTH AT 28 DAYS, SLUMP 75MM +/- 20MM
- 3.4 REINFORCING CHAIRS TO BE PLASTIC OR CONCRETE.
- 3.5 NO ADDITIVES TO BE USED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

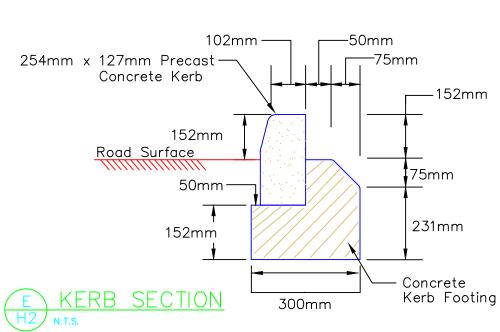
# 4.0 REINFORCING STEEL

- 4.1 REINFORCING STEEL TO HAVE A MINIMUM YIELD STRENGTH OF 40 MPA, TYPE 2 DEFORMED TO BS4449.
- 4.2 REINFORCING STEEL TO BE GALVANIZED IN ACCORDANCE WITH PART 1.1. SECTION 03200 OF THE SPECIFICATIONS.

# 5.0 INSPECTION AND TESTING

- 5.1 CONTRACTOR TO PROVIDE 24 HOURS NOTICE FOR THE INSPECTION OF ALL REINFORCING PRIOR TO POURING CONCRETE.
- 5.2 CONCRETE SHALL BE TESTED FOR SLUMP ON SITE. THE TEST CYLINDERS SHALL BE TAKEN FOR 3, 7, AND 28 DAY STRENGTHS. COMPRESSION TESTING SHALL BE CONDUCTED AT THE MINISTRY'S QUARRY TEST FACILITY.





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Highways Section

| ME | NDMENTS:    |    |     |          |
|----|-------------|----|-----|----------|
| 10 | REVISION    | BY | APP | DATE     |
|    |             |    |     |          |
|    |             |    |     |          |
|    |             |    |     |          |
|    |             |    |     |          |
|    |             |    |     |          |
| Λ  | Wall Detail | тн | RC  | 11/ 2015 |

|   | SCALE: NTS          |                   |  |  |
|---|---------------------|-------------------|--|--|
|   | SURVEY PREPARED BY: | DATE:             |  |  |
|   | CompuCAD            | 09/2010           |  |  |
|   | DESIGN              |                   |  |  |
|   | PREPARED BY:<br>ABH | DATE:<br>6/2015   |  |  |
|   | CHECKED BY:<br>RC   | DATE:<br>10/2016  |  |  |
|   | <u>DRAWING</u>      |                   |  |  |
|   | PREPARED BY:<br>ABH | DATE:<br>6/2015   |  |  |
|   | CHECKED BY:<br>TH   | DATE:<br>11/ 2015 |  |  |
| ١ | APPROVED BY:<br>TS  | DATE:<br>10/2016  |  |  |
|   | PROJECT NUMBER:     |                   |  |  |
|   | H 41/48 - 89993     |                   |  |  |

# PROJECT NAME:

# RETAINING WALL & SIDEWALK

CONSTRUCTION 1 Hillsdale Avenue

H 41/48\_2\_A

Wall & Constr. details

# sometric Reinforcement layout

n legs in ne cell of block

1220mm Concrete Sidewalk -See E/H2 for kerb details Existing Road <del>-</del>152mm Sub−base Sub Grade -Concrete Kerb Foundation SIDEWALK DETAIL