STRUCTURAL NOTES:

A. GABIONS

1. GABION MATERIALS & CONSTRUCTION REQUIREMENTS SHALL BE IN ACCORDANCE W/ THE ITEM 511 OF THE DPWH STANDARD SPECIFICATIONS.

2. GABIONS SHALL BE CONSTRUCTED OF WIRE MESH & SHALL BE SUPPLIED IN VARIOUS LENGTHS& HEIGHTS. A DOUBLE TWISTED WIRE MESH CONTAINER OF VARIABLE SIZES, UNITS & FILLED W/ STONES AT THE PROJECT SITE TO FORM FLEXIBLE, PERMEABLE, MONOLITHIC STRUCTURES SUCH AS RETAINING WALL. SEA WALLS, CHANNEL LININGS, REVETMENT & WEIRS FOR EROSION CONTROL LENGTH SHALL BE MULTIPLES OR AS SHOWN ON THE PLANS, THE HORIZONTAL SHALL NOT BE LESS THAN ONE METER GABION FURNISHED SHALL BE UNIFORM WIDTH.

3. THE WIDTH, WEIGHT & LENGTH OF THE GABIONS AS MANUFACTURED SHALL NOT DIFFER MORE THAN 15% FROM THE ORDERED SIZE PRIOR TO FILLING.

4. THE WIRE USE IN THE MANUFACTURED OF DOUBLE-TWISTED MESH FOR USE IN GABIONS SHALL CONFORM TO ITEM 511.2.2.1 AS APPROPRIATE FOR STYLE ORDERED.

5. THE MINIMUM SIZE OF THE GALVANIZED & PVC COATED WIRE TO BE USED IN THE FABRICATION OF THE GABIONS SHALL BE AS FOLLOWS;

FOR GABION:
BODY WIRE = 9.05MMW
SELVEDGE OR PERIMETER WIRE = 3.80MMW
TYING & CONNECTION = 2.20MMW

6. DIAMETER TOLERANCES FOR GALVANIZED WIRE TO BE USED IN THE FABRICATION O GABIONS SHALL BE 0.10 .

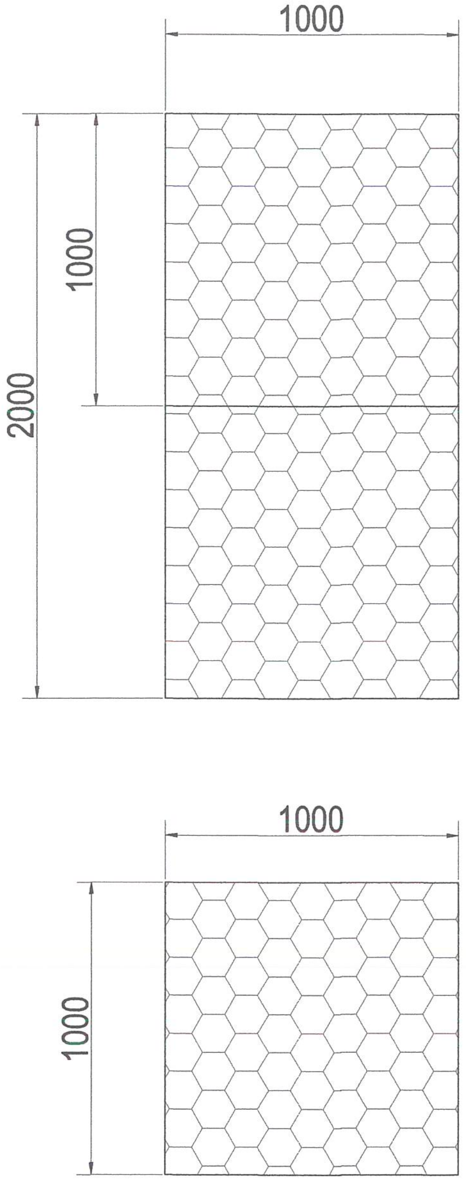
7. ROCK USED IN THE GABIONS SHALL CONSIST OF HARD, DURABLE ROCK PIECES THAT WILL NOT DETERIORATE WHEN SUBMERGED IN WATER OR EXPOSED TO SEVERE WEATHER CONDITIONS. ROCK PIECES SHALL BE GENERALLY UNIFORMLY GRADED IN SIZES RANGING FROM 100MMW TO 200MMW. FILLED GABIONS SHALL HAVE A MINIMUM DENSITY OF 1,400 KGS/Mii.

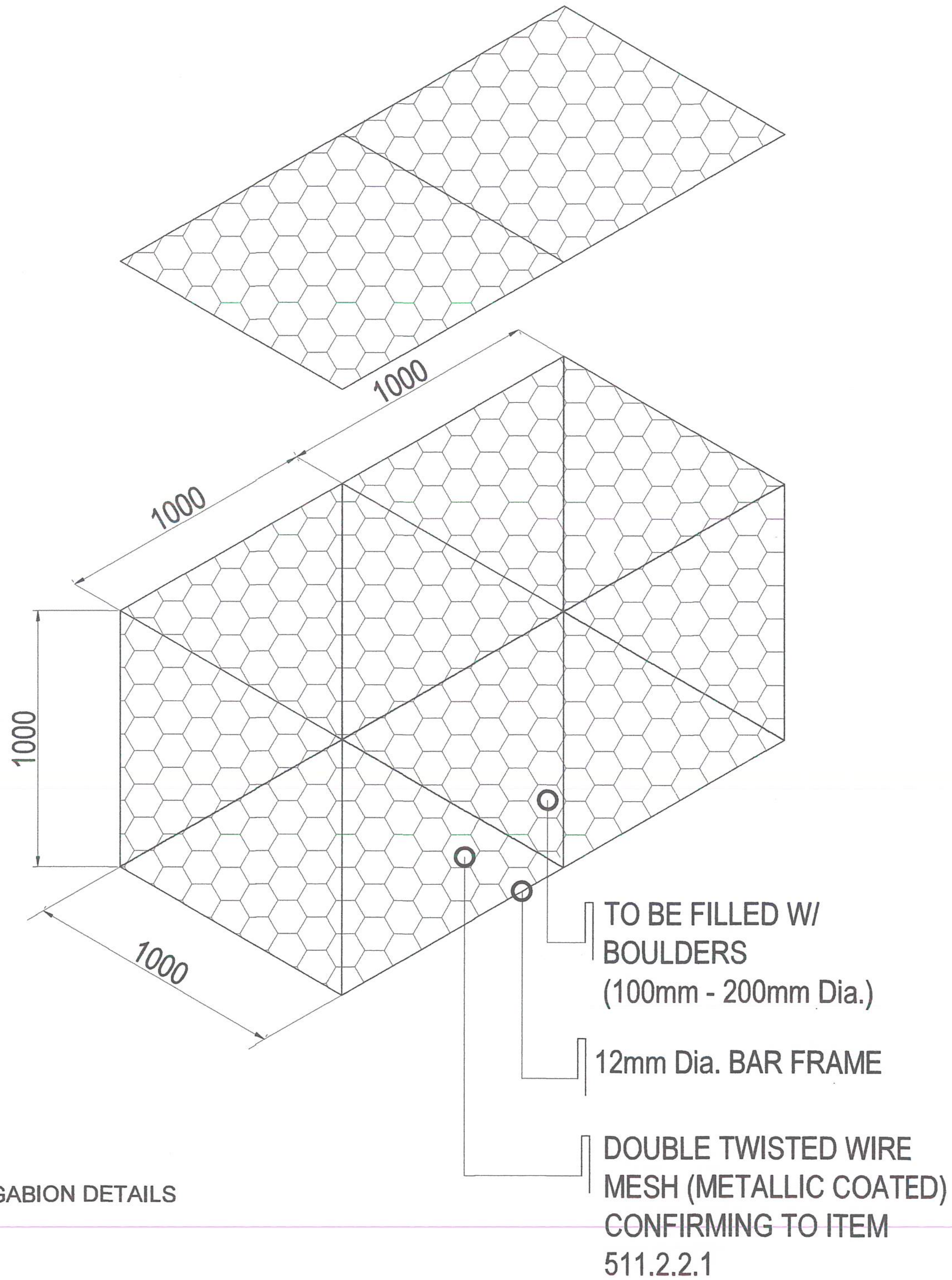
8. THE ROCK SHALL MEET THE REQUIREMENTS OF AASHTO M63 EXCEPT THAT THE SODIUM SULPHATE SOUNDNESS LOS SHALL NOT EXCEED 9% AFTER 5 CYCLES.

9. FABRICATION OF GABIONS MUST BE BASED ON IEM 511.3.1.1 I SHALL BE IN THE FORM OF RECTANGULAR BASKETS OF THE REQUIRED DIMENSIONS & SHALL BE MANUFACTURED FROM WIRE AS SPECIFIED IN ITEM 511.2.2.

10. GABIONS SHALL BE MADE OF A STEEL WIRE DOUBLE TWISTED FORMING A UNIFORM HEXAGONAL MESH TYPE 8x10 HAVING A NOMINAL MESH OPENINGS OF 88mm BY 114mm. TOLERANCES ON HEXAGONAL, DOUBLE TWISTED WIRE MESH OPENING SHALL NOT EXCEED 10% ON THE NOMINAL DIMENSION D VALUES , 83MM FOR GABIONS. THE EDGES SHALL BE FORMED INTO A SECURELY CONNECTED SELVEDGE ADEQUATE TO PREVENT RAVELING.

11. ASSEMBLY & CONSTRUCTION OF GABIONS MUST BE IN ACCORDANCE W/ ITEM 511.3.2.





GABION DETAILS

ENGINEERING DEPARTMENT PUBLIC WORKS & TECHNICAL SERVICES GROUP BLDG. 255 BARRYMAN ROAD, SUBIC BAY FREEPORT ZONE	CAD: REP DESIGNED BY: LSD/HFF	CHECKED BY : EDISON D. ICO DIVISION CHIEF III, PDD	REVIEWED BY : GARY P. FERNANDEZ MANAGER, ENGINEERING DEPT	RECOMMENDED BY: MARCO A. ESTABILLO DA FOR PWTSG	APPROVED BY: EDUARDO JOSE L. ALIÑO CHAIRMAN & ADMINISTRATOR	SUBIC BAY METROPOLITAN AUTHORITY SUBIC BAY FREEPORT ZONE	PROJECT TITLE: **CONSTRUCTION OF SLOPE PROTECTION NEAR BUILDING 8172** NGDC SUBIC VICINITY, BLDG. 8172, ZAMBALES HIGHWAY, CUBI-TRIBOA SBFZ	C8 8 of 9