



Republic of the Philippines  
**CAVITE STATE UNIVERSITY**  
 Don Severino delas Alas Campus  
 Indang, Cavite

**BILL OF QUANTITIES**

<b>IMPROVEMENT OF PARKING AREA NEAR PPS                      (CONCRETING OF PARKING AREA WITH CURBS AND GUTTER)                      ABC: ₱ 5,546,065.28                      COLLEGE/UNIT/CAMPUS: PPS, MAIN CAMPUS</b>					
					<b>Bill of Quantities</b>
Item No.	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
I	EARTHWORKS (Pesos _____ _____ and _____ centavos)				
II	SUB-GRADE PREPARATION (Pesos _____ _____ and _____ centavos)				
III	CONCRETE PAVEMENT (Pesos _____ _____ and _____ centavos)				
IV	MISCELLANEOUS STRUCTURE (Pesos _____ _____ and _____ centavos)				
<b>GRAND TOTAL</b>					_____
<b>Write grand total in words</b>					_____ _____ _____

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Name of Bidder/Bidder's Representative: \_\_\_\_\_  
 Position: \_\_\_\_\_  
 Construction Company/Contractor: \_\_\_\_\_

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## SCOPE OF WORKS

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### A. IMPROVEMENT OF PARKING AREA NEAR PPS (CONCRETING OF PARKING AREA WITH CURBS AND GUTTER)

1. The project must be finished in 120 calendar days
2. Actual site inspection is a must.
3. The area should be cleared before and after the construction work at least twelve meters away from the job site. Unusable formworks, excessive soil fill and all other unwanted debris of installation works should be disposed properly.

### B. TECHNICAL DESCRIPTION

Total Area To Be Develop	=	2,445.75	sq.m
Total Volume of Gravel Fill	=	125.00	cu.m
Thickness of Base Course	=	50.00	mm
Thickness of Concrete Pavement:	=	150.00	mm
Total Volume of Concrete Pavement:	=	367.00	cu.m

#### I. Earthworks

1. Mobilization/demobilization
2. Clearing and grubbing
  - a. This work will include cutting of ipil tree and other foliage and trimming of mango tree

#### II. Sub-grade Preparation

1. Unsuitable excavation
2. Backfill
3. Subgrade preparation
  - a. Use grader and roller compactor for correction and compaction of grade and elevation and before laying the gravel fill.
4. Gravel Fill
  - a. Total Area to Be Fill (Gravel Base Course) = 2,445.75 sq.m
  - b. Total volume of Gravel Base Course = 125.00 cu.m
  - c. Provide slope

#### III. Concrete Pavement

1. Formworks
  - a. Provide necessary formworks for the completion of the project
2. Parking and Driveway
  - a. Use ready mix concrete, 3500 psi @ 28 days.
  - b. Parking and driveway should be 150 mm thick.
  - c. Concrete works should be rough finished.
  - d. Provide construction and transverse joint.
    - a. Use 16mm diameter dowels. *See details on plans attached*
  - e. All masonry works should be plastered, plain cement finished.
3. Electrical Roughing-in and Miscellaneous Works
  - a. Provide rented wires in electrical pipes before concrete pouring for lighting fixtures/ parking lights.
  - b. See attached plan for reference

#### IV. Miscellaneous Structure

1. Curb Gutter
  - a. Use ready mix concrete, 3,500 psi @ 28 days
  - b. Masonry works should be plastered, plain cement finished.
  - c. 64.00 lin.m Curb Gutter
2. Manhole
  - a. Use ready mix concrete, 3,500 psi @ 28 days
  - b. 1.00 unit Manhole
3. Concrete Curb
  - a. Use ready mix concrete, 3,500 psi @ 28 days
  - b. 51.00 units Concrete Curb
4. Reflectorized Pavement Markings and Traffic Paints
  - a. Follow international symbol/markings for pavement markings.
  - b. Use only reflectorized/traffic paints for signages and pavement markings.
  - c. 35.00 sq.m Reflectorized Pavement Markings and Traffic Paints

5. Grouted Riprap Class A (Slope Protection)
  - a. See attached plan for reference
  - b. 35.00 cu.m Grouted Riprap Class A (Slope Protection)
6. Drainage Canal with Cover, 600mm x 1000mm
  - a. See attached plan for reference
  - b. 18.00 lin.m Drainage Canal with Cover, 600mm x 1000mm
7. Retaining Wall (RC)
  - a. See attached plan for reference
  - b. 42.90 lin.m Retaining Wall (RC)
8. Plantbox
  - a. See attached plan for reference
  - b. 34.10 lin.m Plantbox

**Note**

1. Alignment and grade are subject to existing field conditions.
2. Distance and elevations are in meters, unless otherwise specified.
3. Watering and compaction of sub-base shall be considered subsidiary work pertaining to other contract items.
4. Exact location of private entrances, sidewalks and centerline of side streets shall be determined in the field by the end-user/project inspector.
5. Miscellaneous clearing/removal of concrete pavement, sidewalks, obsolete cross drain pipes and other miscellaneous remove works not shown in the plan shall be considered as subsidiary work pertaining to other contract items and payments shall be included in the contract unit bid for this item.
6. The contractor shall keep the road undergoing improvement continuously in a condition satisfactory to the project inspector such that traffic will be accommodated during the entire contract period without r any inconvenience to the traveling public. The contracto shall bear all the expenses if necessary in maintaining the road in such condition.
7. When shown on plans or as directed by the project inspector, unsuitable sub-grade materials shall be excavated/scarified to the depth and width necessary to attain stable foundation. The area excavated shall be backfilled with approved embankment material and compacted until the foundation is stable.
8. See/consult end user for details/extent of work. The silence of specification, plans, special provision and supplementary specifications as to any detail, or the apparent ommission therein of a detailed description or definition of the quality of materials and workmanship shall be regarded to mean that only materials and workmanship of first class quality are to be used or employed.
9. All works will be facilitated by the contractor.
10. All tools and equipment necessary for executing the work will be provided by the contractor.
11. Works that are necessary but are not cited in the above specifications will be facilitated by the contractor.
12. Materials that are necessary but are not included in the above program of works will be provided by the contractor.
13. No modifications will be done without the approval of end user, project inspector and implementor.
14. Every concrete pouring schedule, all ready-mix concrete deliveries will be subjected to inspection (by project inspector) before pouring/unloading.
15. Verify actual measurement on site.