TERMS OF REFERENCE
“ANNEX C”

SITE DEVELOPMENT
(Design and Build for the PSHS System Training and Administration Center)

Design Development Parameter List

Preparation of the following Detailed Design Drawings (see PSHS-DBC Checklist of Drawings Requirements) based on the approved Design Development Drawings and Design Parameters including any revisions and refinements as approved and required by the PSHS-DBC: **This will be submitted by the winning bidder, to be reviewed and approved within twenty-one (21) days from the receipt of Notice of Award.**

I. DESIGN DEVELOPMENT DRAWING
   A. Landscape Design Parameter
      i. Laws and codes
         b. RA 9053 or Landscape Architecture Law and its Latest and Amended IRR
         c. Landscape Architect’s National Code of the Philippines
         d. RA 9266 or Architectural Law and its Latest and Amended IRR
         e. BP 344 or Accessibility Law and its Latest and amended IRR
         f. Existing Local Codes, Ordinances and other Laws that applies to the project
      ii. Standards
         a. Philippine National Standards (PNS)
         b. Bureau of Product Standards (BPS)
         c. Underwriters Laboratory (UL)
      iii. Proposal should include the ff.
         a. Perspective, Site Development Plan, Vicinity Map/Location Plan
         b. Hardscape Plan ie. driveway, paths, parking area (Scale 1:200m Minimum)
         c. Landscape Planting Plan (Scale 1:200m Minimum)
         d. Landscape Section – Elevation (Scale 1:200 Minimum)
e. Landscape Planting Enlargement/Dimension Plan (Scale 1:100 Minimum)

f. Landscape Section – Elevation Enlargement Detail (Scale 1:100 Minimum)

g. Landscape Feature Elements and Details (Scale 1:25 Minimum)

h. Site Grading Plan (Scale 1:200 Minimum)

i. Drainage and Irrigation Plan (Scale 1:200 Minimum)

j. Drain and Catch Basin Detail

k. Architectural Plan and Elevation of Covered Parking and Covered Sidewalk/walkway (Scale 1:100 Minimum)

l. Enlarged Driveway, Grade, Curbs and Pavement Section/Detail (Scale 1:20 Minimum)

m. Listing of Plants and Materials.

n. Landscape Design Technical Specification

o. Landscape Design-Build Scope of Works

p. Landscape Design Bill of Quantities

B. Structural/Civil Design Parameter

i. Laws and codes

   a. National Structural Code the Philippines (NSCP) 2010

   b. National Building Code of the Philippines and its revised IRR

   c. Accessibility Law

   d. Local Codes and Ordinances

ii. Standards

   a. Bureau of Product Standards (BPS)

   b. Philippine National Standards (PNS)

   c. DPWH Blue Book

   d. American Concrete Institute (ACI)

   e. American Society for Testing Materials (ASTM)

   f. American Welding Society (AWS)

iii. Proposal should include the ff.

   a. General Notes and Construction Standards

   b. Covered Parking / Covered walkway Foundation Plan (scale 1:100m minimum)

   c. Roof Framing Plan (scale 1:100m minimum)
d. Details of Typical Footings and Columns  
e. Details of Trusses  
f. Structural Technical Specification  
g. Structural Scope of Works  
h. Structural Bill of Quantities  

C. Sanitary/Plumbing Design Parameter  
i. Laws and codes  
b. National Plumbing Code of the Philippines (NPCP)  
c. Sanitation Code of the Philippines  
d. Existing Local Codes and Ordinances  

ii. Standards  
a. Bureau of Product Standards (BPS)  
b. Underwriters Laboratory (UL)  
c. National Water Resources Board (NWRB)  

iii. Proposal should include the ff.  
a. Storm Drainage Layout (scale 1:200m minimum) including actual length of tapping line to Main Drainage line  
b. Water line Layout (scale 1:200m minimum) including actual length of tapping line from main water source.  
c. Details of connections catch basins, downspouts, etc.  
d. Plumbing Technical Specifications, Scope of Works and Bill of Quantities  

D. Electrical Design Parameter  
i. Laws and codes  
a. Philippine Electrical Code  
b. National Electrical Code  
c. New Fire Code of the Philippines  
d. National Building Code of the Philippines and Its new IRR  
e. Existing Local Codes and Ordinances  

ii. Standards  
a. Bureau of Product Standards (BPS)
b. Underwriters Laboratory (UL)
c. International Electro technical Commission (IEC)
d. Illumination Engineering Society (IES)
e. National Electrical Manufacturer’s Association (NEMA)

iii. Proposal should include the ff.

a. General Notes and Legends
b. Power and Lighting Layout (scale 1:100m minimum) including details
c. Schedule and Details of Loads and Electrical Computation
d. Electrical Diagram
e. Electrical Technical Specifications, Scope of Works, and Bill of Quantities

- END OF SECTION -