



Bid Bulletin No. 2
20 November 2020

PUBLIC BIDDING No. 20-038-1

Construction of New Clark City Connecting Road to Industrial Park

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project, considering the issues raised and clarifications made by prospective bidders during the Pre-Bid Conference held on **October 28, 2020**, likewise, respond to bidders' written queries received within the prescriptive period for filing.

CLARIFICATIONS

No.	CONCERN	REFERENCE	CLARIFICATION/ RESOLUTION
China Harbour Engineering Company			
1.	Please update the completion progress of right of way.	Right of Way	<i>No right of way acquisition of the project since the property is under BCDA ownership.</i>
2.	During site inspection, the road will cross plenty of rice field, please confirm BCDA will be responsible for the land acquisition.	Right of Way	<i>BCDA is responsible for the road right of way acquisition.</i>
3	During site inspection, the road will cross several creeks, which will be backfilled with embankment as per the drawings, at the same time, a waterway is planned beside the road. Is the waterway will be constructed before the road?	Right of Way	<i>The winning contractor shall be responsible for their own methodology throughout the implementation of the Project. The Contractor shall also be solely responsible for their program and methodology for all the works required that will be considered to prepare their bids intelligently.</i>
4	Kindly request the geotechnical investigation data and report	Geotechnical Investigation	<i>Geotechnical Investigation Data and Report will be provided only to the winning bidder.</i>

1

5	Kindly request editable copy of BOQ and Bidding Forms	BOQ	<p>Please refer to Bid Bulletin No. 1.</p> <p>However, in case of any discrepancy/ies between the editable version and the issued PDF version, the latter shall govern. The BAC and the Procuring Entity for any omissions made by the bidder in accomplishing this form.</p>
6	Kindly request the drawings in "Auto Cad" version	Drawings	<p>The Detailed Engineering Design (DED) of the Project in Auto CAD format will only be provided to the Winning Contractor during the Project implementation.</p>
7	Is there any area to be provided by BCDA for contractor to build the temporary facilities, e.g. living camp, site office and stocking yard.	Temporary Facilities	<p>Yes. BCDA shall determine the location of the site area for the use of Contractor, free of charge.</p> <p>However, all the contractor's temporary facilities, required works, necessary permits, application and payment for utilities shall be at the cost of the Contractor.</p>
8	Please confirm the relevant permit of the project construction work shall be applied and secured by the Client, which may include the building permit, tree cutting permit and etc.	Permits	<p>All necessary and required permits, and its corresponding costs, for the Project shall be applied and secured by the Winning Contractor.</p>

9	Please specify the progress payment schedule, Is it monthly progress payment?	Progress payment	Yes.
10	For BOQ items Part C item 102(2) Surplus Common Excavation, please specify the distance of disposal area.	BOQ	<i>Disposal area for the surplus excavated materials will be located in a designated area within the limits of the Project.</i>
11	For BOQ items Part E item 311(1) f1 PCC Pavement, Please specify the strength of concrete.	BOQ	<i>28 MPa shall be used.</i>
12	For BOQ items Part G item 404(1)b and 405(1)a3, Please clarify are the quantities of rebar and concrete cover the STORM DRAIN(RCBC type) and Manhole?	BOQ	<i>Storm Drain and Manhole will be paid in linear meter and in each, respectively. This includes all the materials, labor and equipment to complete the work.</i>
13	Please specify the concrete strength of RCBC storm drain, Manhole and concrete curb.	BOQ	<i>20.68 MPa shall be used.</i>

CM Pancho Construction

14	<p>1. Who will provide the temporary facilities, the Employer or the Contractor?</p> <p>2. If the Contractor will provide the Temporary Facilities, to what particular pay item shall we include the provision of temporary facilities?</p>	<p>Part A. Facilities for the Engineer</p> <p>As specified in Clause A.1.1.2.a Temporary Office "The Employer shall provide the temporary field office building for the Engineers initial use while the permanent field office building is under construction for 4 month period. The contractor shall provide the</p>	<p><i>The Employer will provide the temporary facilities for its own Engineer's until such time that Pay Item A.1.1(3) Construction of Field Office Building for the Engineers is completed or 4 months from the issuance of Notice to Proceed, whichever comes first.</i></p>
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		temporary office with sufficient furniture, fixtures, equipment, appliances, internet service and necessary supplies, with the Engineer's prior approval.	
15	<p>1. Please clarify which one is correct.</p> <p>2. Do we have a designated disposal area for surplus common excavation? If yes, kindly provide us the location of designated disposal area.</p>	<p>Part C. Earthworks</p> <p>Based on the given Bill of Quantities, we have excess materials from the excavation under Item 102(2) Surplus Common Excavation = 157, 581.30 cu.m. however based on the given drawings under Part I: Roadworks, the summary of Quantities specified that we have no Item 102(2) Surplus Common Excavation for this project and instead we have Item 104(2) Embankment from Borrow Excavation, Common Soil = 132, 549.01 cu.m. In addition, based on the given profile and cross section, we can conclude that there is more fill section than cut section for this project.</p>	<p>1. For bidding purposes, the bill of quantities (BOQ) on the Bidding Documents will remain as estimated quantity. These quantities will be subjected to as-stake quantities during implementation. In case there are any changes or additional work items during implementation, it will be treated as Variation Order in accordance with Annex E of RA 9184 - Contract Implementation Guidelines for the Procurement of Infrastructure Projects.</p> <p>2. Disposal area for the surplus excavated materials will be located in designated areas within the limits of the Project.</p>

16	<p>1. Kindly confirm that we need to install the 36mm dia. x 0.60m @ 0.274m O.C. for every 4.5m transverse construction joint/weakened plane joints for the carriageway pavement. Previous bidded project within New Clark City (access road and connecting road) does not include this specification. Please clarify.</p> <p>2. Kindly provide us also the specification/tensile strength of Plain Dowel Bars.</p>	<p>Part E. Surface Course</p> <p>Item 311(1)F1 PCCP (unreinforced) 0.30m thick</p> <p>Based on the Standard Portland Cement Concrete Typical Plan (drawing no. PHI-R-404) we need to install Plain Dowel Bars 36mm dia. x 0.60m @0.274m o.c. for every contraction joint (every 4.5m) of the PCCP with corresponding steel basket for setting dowels.</p>	<p>1. Dowel bars are to be installed for every joint for this Project.</p> <p>2. Dowel bars shall be at Grade 40.</p>
17	<p>Kindly provide us the status of the ROW acquisition and project target date of completion of clear ROW upon the award of the project to the winning contractor.</p>	<p>Right of Way Acquisition</p> <p>We noted during our group site inspection that the proposed alignment of the connecting road will traverse through agricultural land (rice field and plantation) and although BCDA is the owner of the land, there are several tenants along the propose alignment which will cause delayance and will affect the</p>	<p>Informal settlers are still being resolved/settled by BCDA.</p>

		target completion of the project.	
18	We would like to clarify if BCDA will provide a lot area near the project site for facilities of the winning contractor free of rental charge?	Facilities for the Winning Contractor	<i>Yes. BCDA shall determine the location of the site area for the use of Contractor, free of charge. However, all the contractor's temporary facilities, required works, necessary permits, application and payment for utilities shall be at the cost of the Contractor.</i>
19	Kindly confirm that the reinforcement and thickness of the wall and slab for the lateral RCBC will be the same as to the tabulation provided for the Single Barrel Box Culvert?	Part G: Drainage and Slope Protection Storm Drain (RCBC Type)	<i>Details are the same with the details provided for Single Barrel RCBC.</i>
20	Kindly provide us of the detailed plan of the manhole	Manhole There are eleven (11) types of manhole in the given Bill of Quantities, however, the given plan for the manhole is incomplete and no details for reinforcement, wall thickness, etc	<i>Please see attached revised Drawing No. PH1-D-325 attached as Annex A.</i>
21	We noted that in the Bill of Quantities for Waterway Channel, there is no pay item of Structure Excavation. Please clarify.	Waterway Channel, Sta 0+00 to Sta 1+200 (L=1,288.32)	<i>The quantity for the channel excavation is included in the Roadway Excavation quantities.</i>
22	1. Since the Stamped Concrete pattern and color will follow the Pedestrian/Sidewalk already constructed in new Clark City, may we request for the sample plan of	Part H. Miscellaneous Structures SPL 601(2)1	<i>1. Please see illustration attached as Annex B.</i>

	<p>completed section for our reference?</p> <p>2. Kindly confirm that the reinforcement is 10mm dia. at 400mm spacing bothways for sidewalk and bike lane.</p> <p>3. Kindly indicate in the plan the location of the expansion joint filler 5mm thick and the control joints.</p> <p>4. Kindly provide us also the plan for Bike Lane paving with Sand Washed Finished Texture including the details and spacing of required diamond dowels to provide load transfer.</p> <p>5. Kindly provide us also the Section details showing the thickness of concrete, thickness of sand washed or stamped concrete for bike lane paving and sidewalk paving</p>	<p>Sidewalk/Pedestrian Lane Paving (Reinforced) 100mm thick with Stamped Concrete Finished Texture</p> <p>SPL 601(2)2 Bike Lane Paving (Reinforced) 100mm thick with Sand Washed Finished Texture</p>	<p>2. The reinforcement is 10mm diameter at 400mm spacing both ways.</p> <p>3. Please see illustration attached as Annex C.</p> <p>4. Please see Bikeway Finish attached as Annex D.</p> <p>5. Please see Bikeway Finish attached as Annex C.</p>
23	<p>1. Kindly confirm that in lieu of sand bedding it will be concrete encasement since this is for road crossing</p> <p>2. What is the concrete compressive strength of concrete encasement?</p> <p>3. Kindly provide us the detail of reinforcement for concrete encasement which are not included in the given plan</p> <p>4. Kindly confirm also that the concrete tile 50mm thick x 250mm W x 250mm L is unreinforced</p>	<p>Part J. Roadway Lighting</p> <p>Concrete Encasement (Reinforced)</p> <p>Item 624(8)b1 Duct Banks (Concrete Encasement) 10.0m Single and Double Arm Pole for Road Crossing</p> <p>Based on the given drawing detail 4 of PHI-PS-21, the scope of works include excavation</p>	<p>1. Ducting for road crossing is concrete encased.</p> <p>2. 20.68MPa shall be used.</p> <p>3. Please see revised Drawing No. PH1-PS-23 attached as Annex E.</p> <p>4. Concrete tile is plain concrete.</p>

		for trench, placing of sand bedding, placing of concrete tile 50mm thick x 250mm W x 250mm L, installation of early warning tape and backfilling works for trench.	
24	Kindly provide detailed plan and specification for this item	Item 625(8)b Battery Handhole	<i>Please refer to Drawing No. PH1-PS-20 to 22.</i>
China Geo Engineering (Phil) Corporation			
25	Request for complete details of plans	<p>Part G: Drainage and Slope Protection Structures</p> <p>Part H: Miscellaneous Structures</p> <p>Part J: Roadway Lighting</p>	<p><i>The drawings for Part G: Drainage and Slope Protection Structures are included in Drawing Part 2: Drainage System.</i></p> <p><i>The drawings for Part H: Miscellaneous Structures are included in Drawing Part 1: Road Works</i></p> <p><i>The drawings for Part J: Roadway Lighting are included in Drawing Part 3: Electrical System</i></p>
26	Request for corrected form	List of Equipment, Owned or Leased and/or Under Purchase Agreement, Pledged to the Contract to be Bid	<i>Please refer to bidding forms issued under Bid Bulletin No. 1</i>
RII Builders			
27	Please provide the following drawings:	General	<i>1. For landscaping drawings, please see</i>

	1. Landscaping Drawings 2. Living quarters and laboratory for the engineer		drawings PH1-LS-01 to PH1-LS-09. 2.The living quarters and laboratory shall be constructed in accordance with the location, floor plans and drawings prepared by the Contractor and approved by the Engineer
28	Please provide the following drawings: 1. PH1-D-292 (Curb Inlet, Box Culvert & Junction Box Details) 2. PH1-D-295 (Typical Culvert and Curb Inlet Details) 3. PH1-D-298 (Waterway General Plan)	Drainage System	1. Please see revised Drawing No. PH1-D-325 attached as Annex A. 2. Please see revised Drawing No. PH1-D-325 attached as Annex A. 3. Please refer to the drawing PH-D-328.
29	Type of XLPE Cables, shielded or unshielded?	Electrical Works	Unshielded
30	Can we offer integrated LED fixtures against conventional type as per requirements?	Electrical Works	The requirement is Integrated LED Fixtures.
31	Can you provide foundation detail of Panel Foundation pad?	Electrical Works	Please see drawing PS1-PS-23 attached as Annex E.
32	Can you identify our limit of scope of our work from Panel Board (Bottom Feed) to transformer if include duct bank works/termination going to Transformer?	Electrical Works	The limit of scope of work is in the Panel Board
33	Do we include in our offer Remote Monitoring of Road Lightings?	Electrical Works	Yes
34	Detail Plan of Battery Handhole? Is this Pole mounted or underground?	Electrical Works	Please refer to drawings PH1-PS-20 to PH1-PS-22.
JC Rodriguez			

35	<p>Contents reflected in the ff forms of Bidding Documents soft and hardcopy is not complete:</p> <ol style="list-style-type: none"> 1. Ongoing Government and Private Contracts 2. Single Largest Completed Contract 3. List of Equipment 4. List of Key Personnel 	Technical Component	<i>Please refer to bidding forms issued under Bid Bulletin No. 1</i>
36	Please provide sample form for statement of availability for equipment	Technical Component	<i>Please refer to bidding forms issued under Bid Bulletin No. 1</i>
37	May we request for the project post-qualification schedules	Technical Component	<i>Please refer to Instruction to Bidders, Clause 28 - Post-Qualification (Page 30) for the Post-qualification procedure and duration.</i>
38	Based on ITB Clause 24.7, submission of documents required under ITB Clauses 12.1(a)(ii) to 12.1(a)(iv) (NFCC) by any of the joint venture partners constitutes compliance, we would like to confirm if only one of the JV partners must submit an NFCC computation?	Technical Component	<i>Yes. For NFCC computation, the JV can submit at least one computation from any of the JV partners. However, for the purpose of evaluation, the submitted NFCC computation shall be substantiated with the Statement of All Ongoing Contracts and Audited Financial Statement.</i>
39	Do all parties in a JV must submit Bid Securing Declaration and Omnibus Sworn Statement?	Technical Component	<i>The Joint Venture shall submit Bid Securing Declaration and Omnibus Sworn Statement as a single entity, signed by the representative authorized by both parties.</i>

40	For ITB Clause 12.1(b)(i) to (iii) and curriculum vitae, do the authorized representative to all parties in a JV must sign the designated signatory of the forms?	Technical Component	<i>Only the authorized representative of the Joint Venture must sign the forms.</i>
41	For Curriculum Vitae form given for the personnel, do all parties' company name must be present at the certification of the personnel at the end of the form?	Technical Component	<i>The name of the Joint Venture, as a single entity, shall be present.</i>
42	Do the authorized representative of all parties in a JV must sign all documents?	Technical Component	<i>Only the authorized representative of the Joint Venture must sign the forms.</i>
43	We would like to confirm what method will be used for the accomplishment billing, indicated in the BDS ITB Clause 2 that payment will be composed of 10% advance payment followed by the progress payments while indicated in the cashflow milestone is that payment will be composed of 10% advance payment and with quarterly schedule for the accomplishment billing	Financial Component	<i>Terms of payment will be composed of:</i> <i>a) 10% advance/mobilization payment; and</i> <i>b) Progress Payments</i>
JD Legaspi Construction			
44	Request Letter	Request for Extension	<i>Schedule of the deadline for submission and opening of bid to be retained.</i>
China Geo Engineering (Phil) Corporation			
45	We would like to ask a question involving special PCAB license requirement for Joint Ventures. Is it allowed if we submit first the receipt from applying for a Special PCAB License and then afterwards, submit the special pcab license itself?	PCAB License	<i>No. The JV shall submit the Special PCAB License during the opening of bids.</i>

All other portions of the Bidding Documents affected by these amendments shall be made to conform to the same.

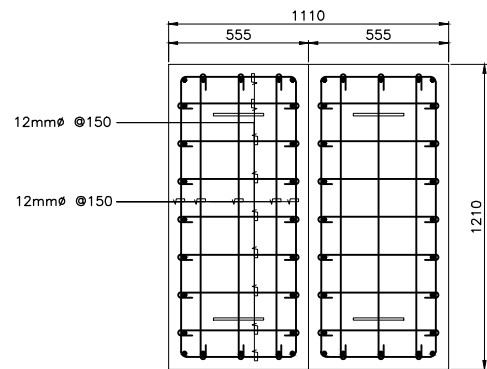
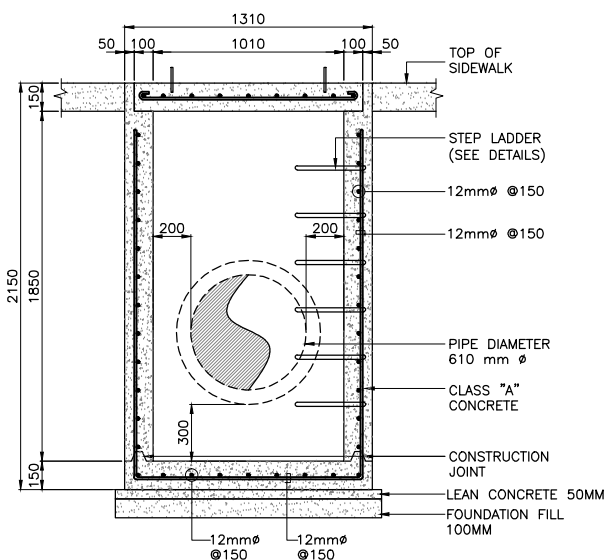
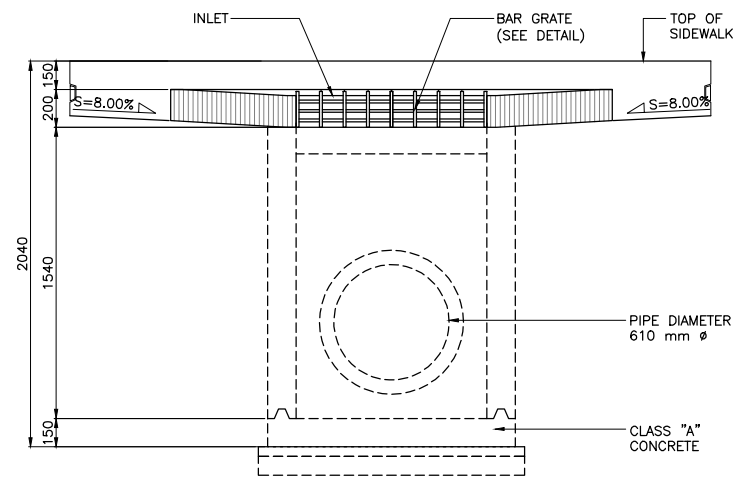
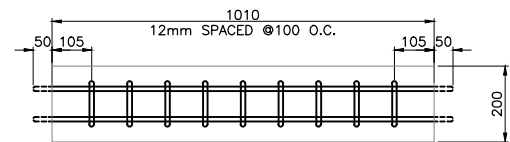
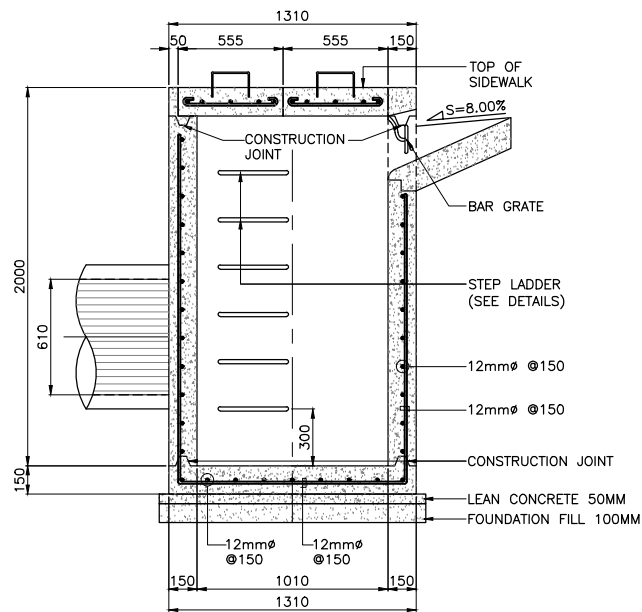
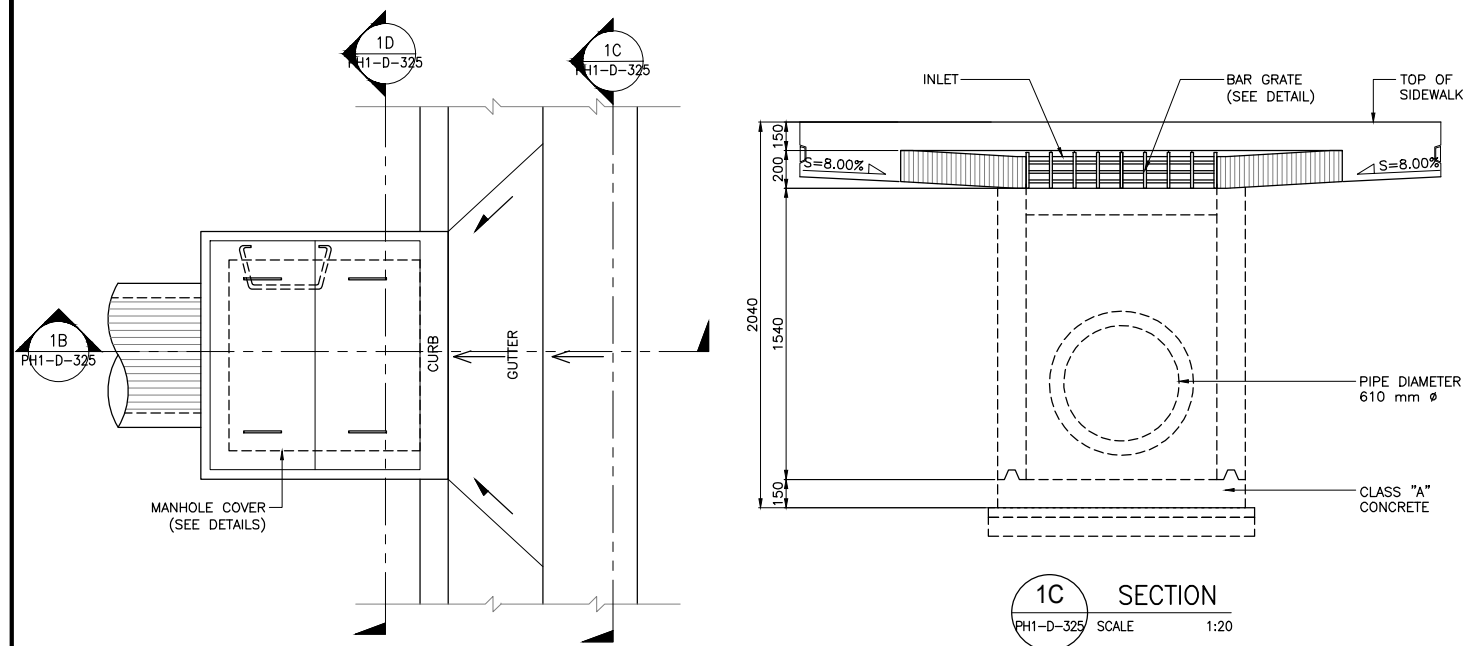
Amendments/inclusions/clarifications made herein shall be considered an integral part of the Bidding Documents.

The changes made in the Philippine Bidding Documents (5th Edition, August 2016) are deemed integrated in the terms and conditions for this project.

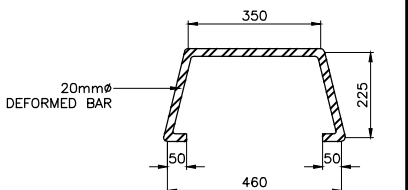
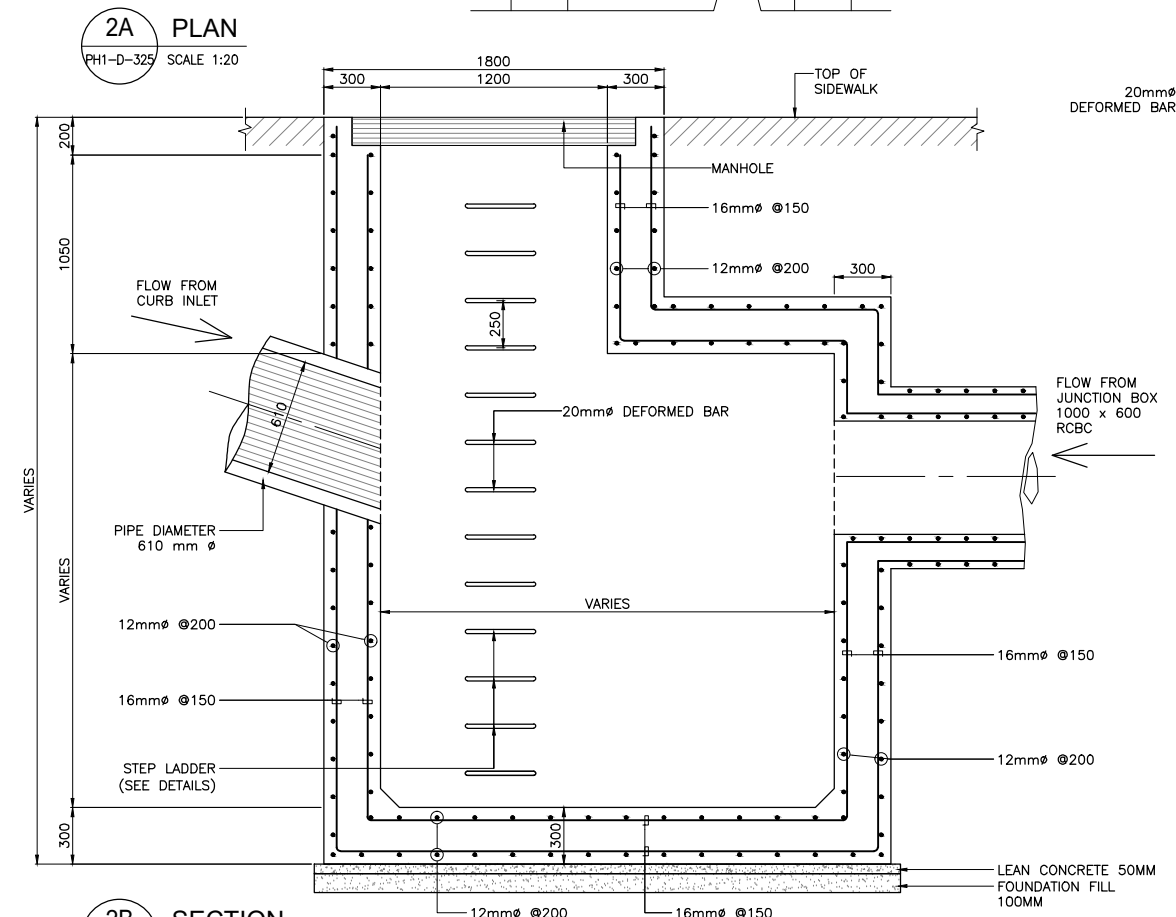
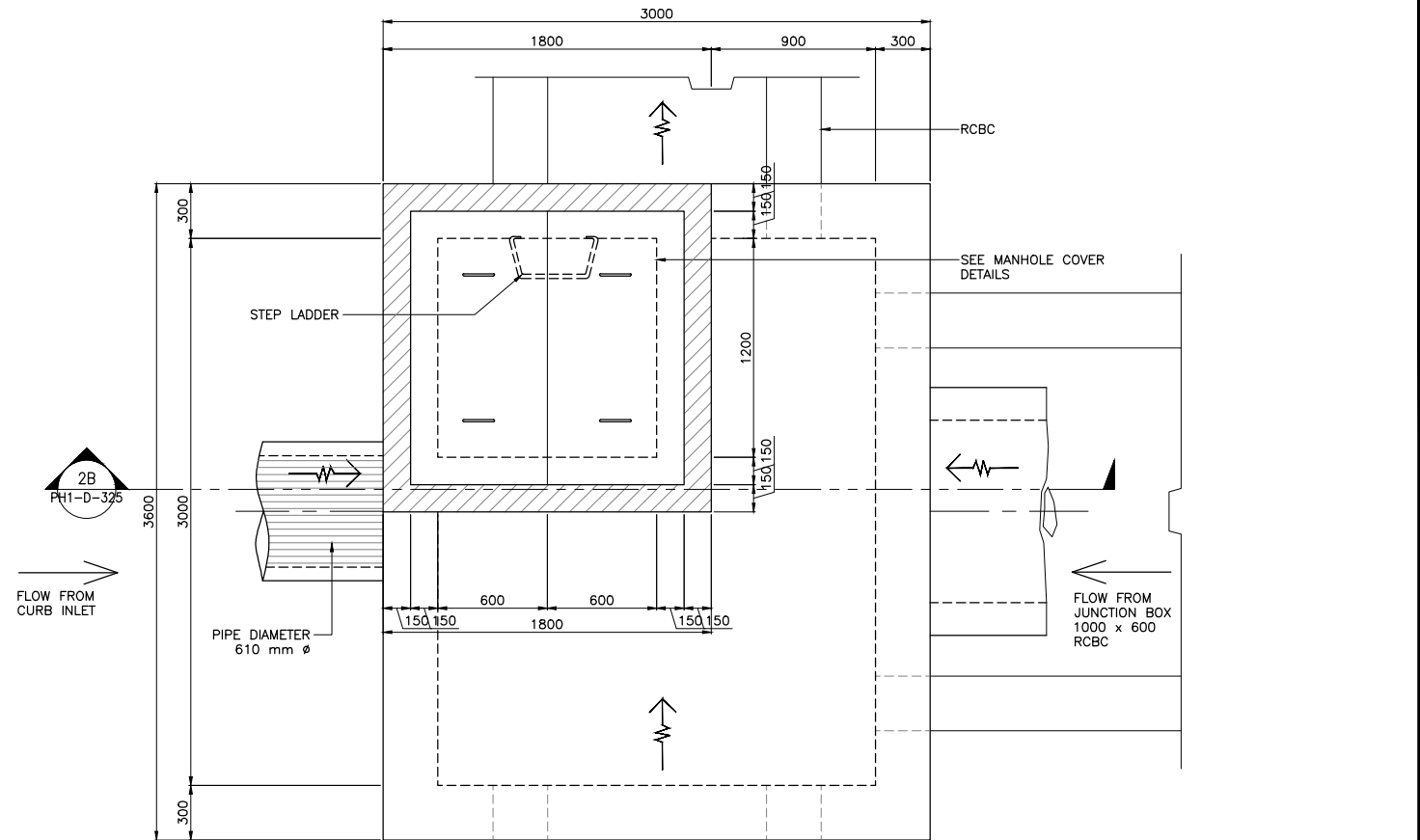


MR. DICKSON T. PANTI
Chairperson, Bids and Awards Committee I

ANNEX A



1 CURB INLET DETAIL
PH1-D-325 SCALE 1:20



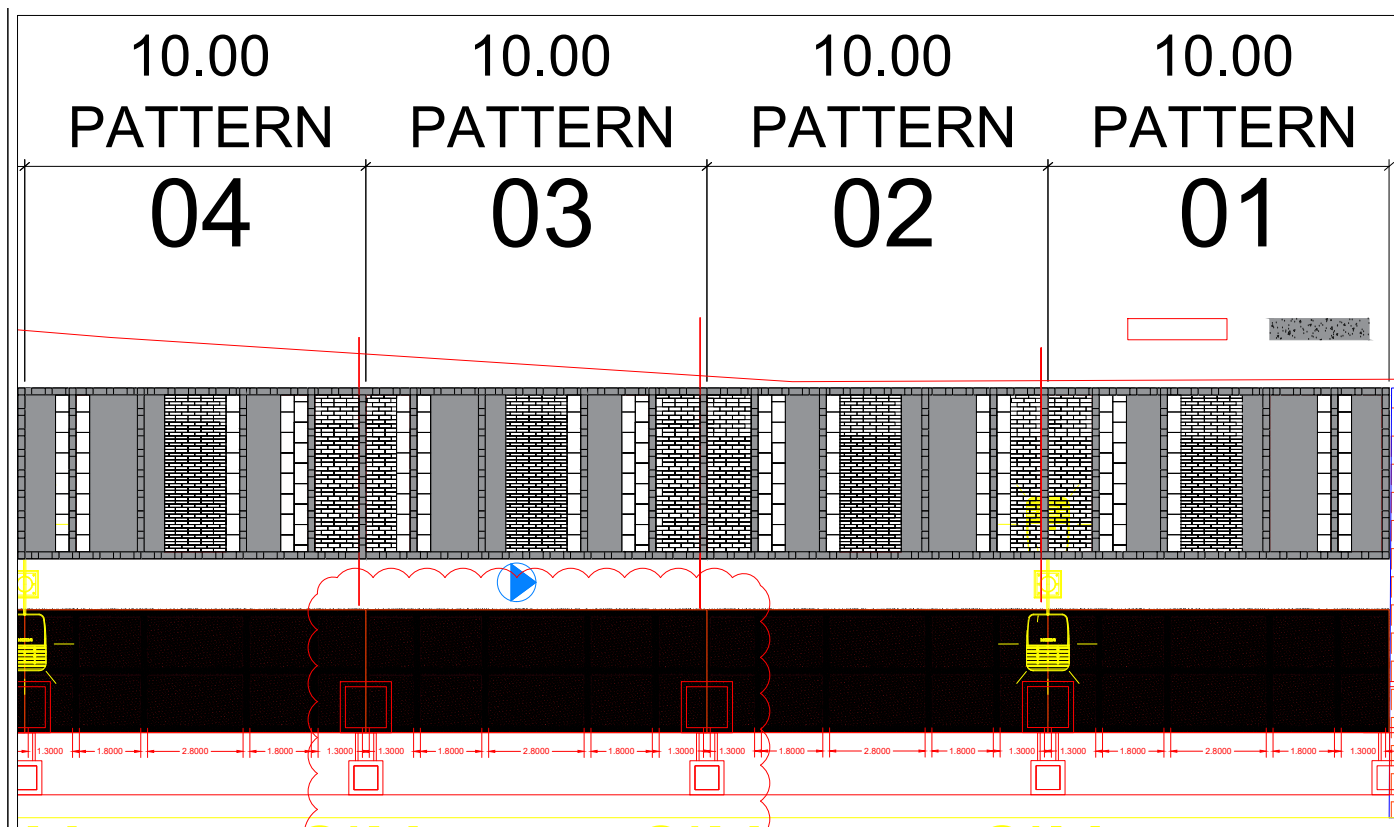
2 DETAILS OF BOX CULVERT MANHOLE
PH1-D-325 SCALE 1:20

CONSULTANTS		DESIGNED BY	SUBMITTED BY	REPUBLIC OF THE PHILIPPINES		PROJECT TITLE		SHEET CONTENT		SCALE	DRAWING STATUS
NIPPON KOEI NIPPON KOEI CO.,LTD.		REYNANTE P. TEMPLE DRAINAGE ENGINEER DATE:	TEDDY MASANORI PROJECT MANAGER DATE:	BCDA BAYAN LARANG CANTONMENT DEVELOPMENT AUTHORITY		INFRASTRUCTURE DESIGN OF NEW CLARK CITY ROAD WORKS (C.2) AND DRAINAGE SYSTEM (C.3) PHASE 1 R1 (STA. 0+000 - STA. 6+600) & R2 (STA. 0+000 - STA. 2+220)		TYPICAL CULVERT AND CURB INLET DETAILS		AS SHOWN	FINAL
PKII PHIL KOEI INTERNATIONAL, INC. CONSULTANTS PLANNERS ENGINEERS		DANILO L. LIZARDO CO-TEAM LEADER DATE:		PJIC PHILIPPINE JAPAN INITIATIVE FOR CGC INC.		RECOMMENDING APPROVAL APPROVED BY				DRAWING NO.	SHEET NO.
				RYAN PAUL S. GALURA OIC, PMD CLARK PROJECTS DATE:		JOSHUA M. BINGCANG SVP, CONVERSION AND DEVELOPMENT GROUP DATE:				PH1-D-325	9 OF 11

ANNEX B



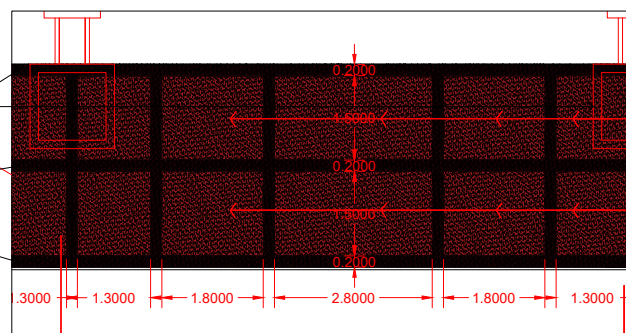
ANNEX C



PROPOSED BIKEWAY FINISH
SCALE NTS

DRAINAGE MANHOLE 1.350MX1.350M

WIDE BIKEWAY PAVING BANDING
PROPOSED SUBSTITUTE TO GLOW IN THE DARK AND $\frac{3}{8}$ GRAVEL FINISH
INTEGRAL CONCRETE
MEDIUM SANDWASH FINISH (3000 PSI)
0.20M



Bomanite System: Sandwash Finish
Color Description:
Color Hardener: Currant Red
Integral Color: Berry Red
Deactivator: Standard
Sealer Process:
1. Conshield
2. Bomanite Premium SB Sealer

ANNEX D

Project Name: **NEW CLARK CITY (BIKE LANE)**

Location: **TARLAC CITY**

System: **SANDWASH**



Bomanite System: Sandwash Finish

Color Description:

Color Hardener: Currant Red

Integral Color: Berry Red

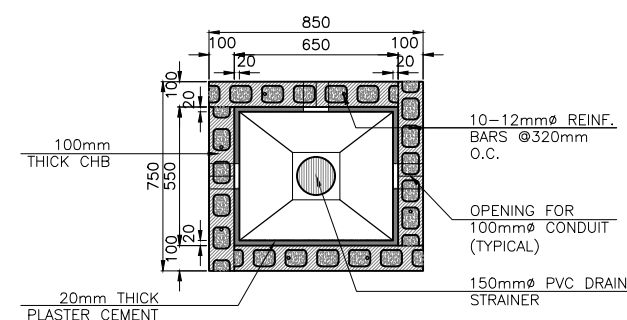
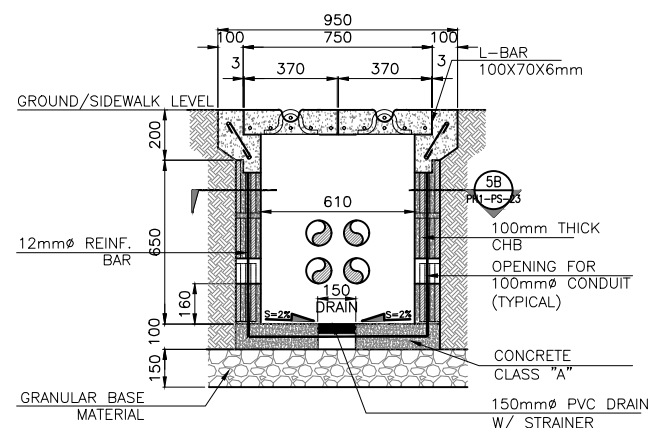
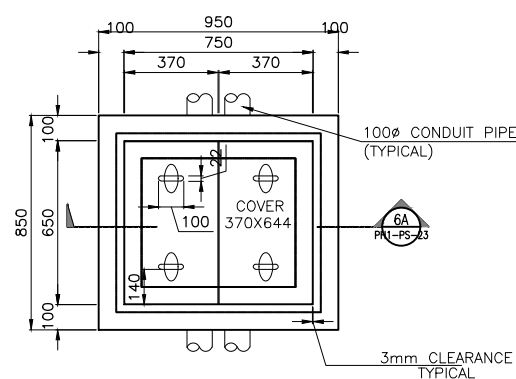
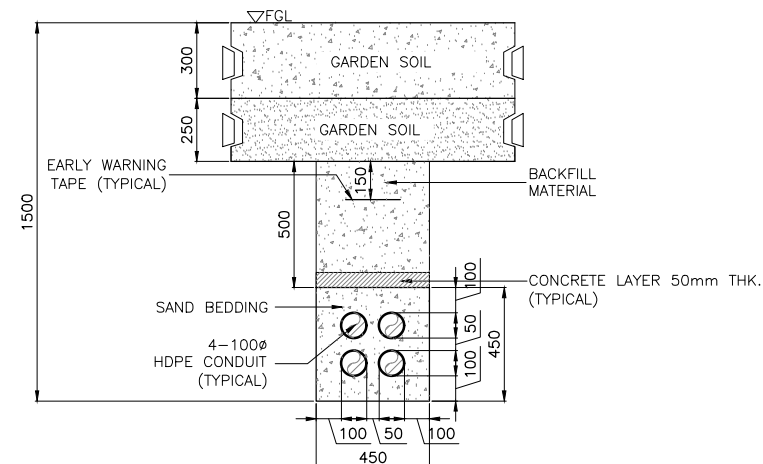
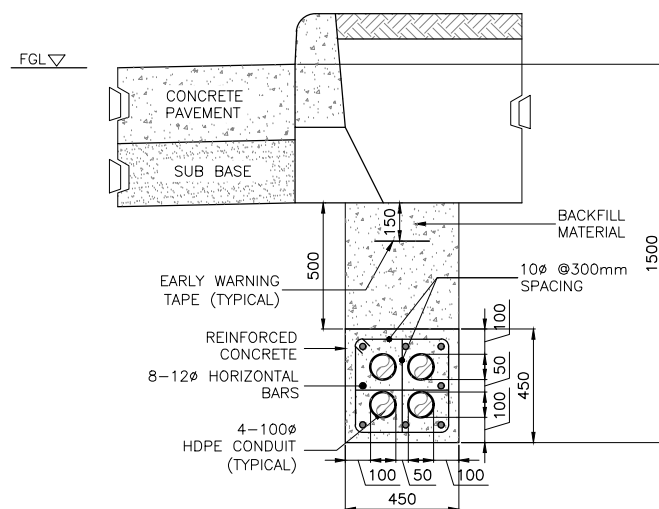
Deactivator: Standard

Sealer Process:

1. Conshield
2. Bomanite Premium SB Sealer

ANNEX E

Part 1



- NOTES

1. PIPE THICKNESS IS 3.0mm.
STRUCTURAL MATERIALS TUBULAR STEEL
IN HOT-DIPPED GALVANIZED W/ BASE
PLATE (SQUARE) 10.5" (267mm)
2. POLE HEIGHT - 10m WITH DOUBLE
ARM - 1.8m
3. POLE HEIGHT - 6m WITH DOUBLE ARM
1.0m W/ BASE PLATE (SQUARE) 10"
(254mm)
4. ANCHOR BOLTS SIZE: 3/4"(20mm) X
34.4" (900mm) LENGTH X 4" (100mm)
hook dia. CONTRACTOR TO VERIFY
FROM POLE MANUFACTURER ACTUAL
MOUNTING DIMENSION OF ANCHOR BOLT
PLACEMENT PRIOR TO CONCRETING
WORKS.
5. ANCHOR BOLTS SIZE: 11/16"(18mm) X
27'9/6" (700mm) LENGTH X 4"
(100mm) hook dia. CONTRACTOR TO
VERIFY FROM POLE MANUFACTURER
ACTUAL MOUNTING DIMENSION OF
ANCHOR BOLT PLACEMENT PRIOR TO
CONCRETING WORKS.
- A. REINFORCED CONCRETE 3,000 PSI,
3/4 AGGREGATES 28 DAYS
- B. SCHEDULE OF REINFORCING BARS

DIAMETER OF BARS	GRADE	ASTM
Ø12 AND SMALLER (WELDABLE)	GRADE 40 (40,000psi)	A706M PNS49
Ø16 AND LARGER (WELDABLE)	GRADE 60 (60,000psi)	A706M PNS49

- C. ASSUMED SOIL BEARING CAPACITY
=100 KPA
- D. WIND SPEED = 260 KPH

ANNEX E

Part 2

6M DOUBLE ARM POLE
LOW VOLTAGE DUCTBANK DETAIL
FOR ROAD CROSSING – ROAD LIGHTING CABLE

1

DH1_PS_73 SCALE 1:15

6M DOUBLE ARM POLE
LOW VOLTAGE DIRECT BURIAL POWER CABLE IN HDPE CONDUIT
(FOR NON-ROAD CROSSING)

2
PH1-PS-23 SCALE 1:15

5 HANDHOLE PLAN
PH1-PS-23 SCALE 1:15

10M SINGLE AND DOUBLE ARM POLE
LOW VOLTAGE POWER CABLE IN REINFORCED CONCRETE
(FOR ROAD CROSSING)

3

PH1-PS-23/ SCALE 1:15

10M SINGLE AND DOUBLE ARM POLE
LOW VOLTAGE DIRECT BURIAL POWER CABLE IN HDPE CONDUIT
(FOR NON-ROAD CROSSING)

4
PH1-PS-23/ SCALE 1:15

5A SECTION
PH1-PS-23 SCALE 1:15

6 LIGHTING DISTRIBUTION PANEL
FOUNDATION PAD DETAIL
PH1-PS-23 SCALE 1:15

6A LIGHTING DISTRIBUTION PANEL
FOUNDATION PAD SECTION
PH1-PS-23 SCALE 1:15

5B SECTION
PH1-PS-23 SCALE 1:15

NOTES

1. PIPE THICKNESS IS 3.0mm.
STRUCTURAL MATERIALS TUBULAR STEEL
IN HOT-DIPPED GALVANIZED W/ BASE
PLATE (SQUARE) 10.5" (267mm)
2. POLE HEIGHT - 10m WITH DOUBLE
ARM - 1.8m
3. POLE HEIGHT - 6m WITH DOUBLE ARM
1.0m W/ BASE PLATE (SQUARE) 10"
(254mm)
4. ANCHOR BOLTS SIZE: 3/4"(20mm) X
34.4" (900mm) LENGTH X 4" (100mm)
hook dia. CONTRACTOR TO VERIFY
FROM POLE MANUFACTURER ACTUAL
MOUNTING DIMENSION OF ANCHOR BOLT
PLACEMENT PRIOR TO CONCRETING
WORKS.
5. ANCHOR BOLTS SIZE: 11/16"(18mm) X
27'9/6" (700mm) LENGTH X 4"
(100mm) hook dia. CONTRACTOR TO
VERIFY FROM POLE MANUFACTURER
ACTUAL MOUNTING DIMENSION OF
ANCHOR BOLT PLACEMENT PRIOR TO
CONCRETING WORKS.

- A. REINFORCED CONCRETE 3,000 PSI,
3/4 AGGREGATES 28 DAYS
- B. SCHEDULE OF REINFORCING BARS

DIAMETER OF BARS	GRADE	ASTM
Ø12 AND SMALLER (WELDABLE)	GRADE 40 (40,000psi)	A706M PNS49
Ø16 AND LARGER (WELDABLE)	GRADE 60 (60,000psi)	A706M PNS49

- C. ASSUMED SOIL BEARING CAPACITY
=100 KPA
- D. WIND SPEED = 260 KPH