PHILIPPINE BIDDING DOCUMENTS

Procurement of INFRASTRUCTURE PROJECTS

Government of the Republic of the Philippines

PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY-ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

Project number: 23-00118

Sixth Edition July 2020

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the "Works") through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv)the obligations, duties, and/or functions of the winning Bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Works to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.
- b. Specific details, such as the "name of the Procuring Entity" and "address for bid submission," should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the names of the Project, Contract, and Procuring Entity, in addition to date of issue.

- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria.

The IB should be incorporated into the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.



REPUBLIC OF THE PHILIPPINES QUEZON CITY GOVERNMENT BIDS AND AWARDS COMMITTEE FOR INFRASTRUCTURE & CONSULTANCY



2nd floor, Finance Building, Procurement Department, Quezon City Hall Complex, Elliptical Road, Quezon City

August 16, 2023

Invitation to Bid

		111	vitation	to Dia			
No	Project No.	Project Name	Location	Amount	Durati on Cal. Days	Office	Source Fund
Ви	ildings –	- Small B					
1	23- 00109	1 at ()110700 (1t/ POlice Fairney 14/3 1111 38 DU		Department of Engineering	Engineering Department		
2	23- 00110	Proposed Rehabilitation of Multi-Purpose Building Annex (Phase 2)	Amihan	4,163,143.83	90	Department of Engineering	20% Community Development Fund
3	23- 00111	Proposed Rehabilitation of Republic Health Center	Holy Spirit	4,228,472.26	90	Department of Engineering	20% Community Development Fund
4	23- 00112	Proposed Waterproofing of Roofdeck and Rehabilitation of 8th Floor Ceiling at Civic Center Building A and B, Quezon City Hall Compound	Central	4,573,231.81	120	Department of Engineering	Engineering Department (Continuing Appropriation)
5	23- 00113	Proposed Structural Retrofitting and Waterproofing of the seven (7) storey Building - District 3 Action Center	Marilag	7,120,006.45	240	Department of Engineering	Engineering Department
6	23- 00114	Proposed Construction of Roofing for Pedestrian Underpass at QMC and at Quezon City Hall	Central	9,718,219.30	90	Department of Engineering	Engineering Department
7	23- 00115	Proposed Construction of Elevator and Rehabilitation of Laging Handa Barangay Hall	Laging Handa	13,934,781.78	120	Department of Engineering	Engineering Department (Continuing Appropriation)
8	23- 00116	Proposed Construction of Community Main Gate and Multi-Purpose Building at Housing Project 4	Culiat	23,090,871.91	180	Department of Engineering	20% Community Development Fund
9	23- 00117	Proposed Construction of two (2) storey with Roof Deck Multi-Purpose Building (Offices and MRF)	Escopa 3	23,979,877.26	180	Department of Engineering	20% Community Development Fund
Co	ommuni	cation Facilities – Mediu	<u>m B</u>				
10	23- 00118	Proposed Installation of Fiber Optic Cable within Quezon City for the Connectivity of One Hundred Fifty-One (151)	Various Barangay	251,006,554.6 4	720	Department of Engineering	OCM Continuing Appropriation

		Surveillance Sites to Camp Karingal Command and Control Center					
Pa	rks – Sm	nall B					
11	23- 00119	Proposed Improvement of Toro Hills Park	Bahay Toro	10,144,282.41	150	Parks Development & Administration Department	Engineering Department
Ro	ads – Sr	nall B					
12	23- 00120	Proposed Rehabilitation (Surface Improvement) at King Ferdinand, King Charles Extension, King Edward and King Christian Streets	Bagbag	22,091,257.54	30	Department of Engineering	20% Community Development Fund

- The QUEZON CITY LOCAL GOVERNMENT, through funding source of various years
 intends to apply the sum stated above being the Approved Budget for the Contract (ABC) to
 payments under the contract for the above stated Projects. Bids received in excess of the ABC
 shall be automatically rejected at bid opening.
- The QUEZON CITY LOCAL GOVERNMENT now invites bids for the above Procurement Project. Completion of the Works is required as stated above. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
- 3. Bidding will be conducted through open competitive bidding procedures using non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
- 4. Interested bidders may obtain further information from QUEZON CITY LOCAL GOVERNMENT BAC Secretariat and inspect the Bidding Documents at the address given below weekdays from 8:00 am. 5:00 p.m.
- 5. A complete set of Bidding Documents may be acquired by interested bidders on 17 August 2023 (Thursday) from given address and website/s below and upon payment of a non-refundable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person.

STANDARD RATES:

Approved Budget for the Contract	Maximum Cost of Bidding Documents (in Philippine Peso)		
500,000 and below	500.00		
More than 500,000 up to 1 Million	1,000.00		
More than 1 Million up to 5 Million	5,000.00		
More than 5 Million up to 10 Million	10,000.00		
More than 10 Million up to 50 Million	25,000.00		
More than 50 Million up to 500 Million	50,000.00		
More than 500 Million	75,000.00		

The following are the requirements for purchase of Bidding Documents;

- 1. PhilGEPS Registration Certificate (Platinum 3 Pages)
- 2. Document Request List (DRL)
- 3. Authorization to purchase bidding documents
 - 3.1 Secretary's Certificate (for corporation)
 - 3.2 Special Power of Attorney (for sole proprietorship)
- 4. Notarized Joint Venture Agreement (if applicable)
- 5. Letter of Intent

It must be duly received by the BAC Secretariat at 2nd Floor, Procurement Department, Finance Building, Quezon City Hall Compound.

6. The QC-BAC-INFRASTRUCTURE & CONSULTANCY will hold a Pre-Bid Conference¹ on August 29, 2023 at 10:00 AM at 2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound or we encourage the prospective bidders to join through our Virtual Conference (ZOOM APP) which shall be open to prospective bidders.

Virtual Conference (ZOOM APP)

Meeting ID: 854 9489 0133

Password: 273320

- 7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before **September 14, 2023 9:00 AM**. Late bids shall not be accepted.
- 8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 16.
- 9. Bid opening shall be on **September 14, 2023 10:00 AM** at **2nd Floor**, **Procurement Department-Bidding Room**, **Finance Building**, **Quezon City Hall Compound** and/or via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Virtual Conference (ZOOM APP)

Meeting ID: 810 3646 5257

Password: 201522

- 10. The Quezon City Local Government reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
- 11. For further information, please refer to:

ATTY. DOMINIC B. GARCIA

OIC, Procurement Department

2nd Floor, Procurement Department,

Finance Building, Quezon City Hall Compound

Elliptical Road, Barangay Central Diliman, Quezon City.

Tel. No. (02)8988-4242 loc. 8506/8710

Email Add: bacinfra.procurement@quezoncity.gov.ph

Website: www.quezoncity.gov.ph

May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid

12. You may visit the following websites:

For downloading of Bidding Documents: https://quezoncity.gov.ph/public-notices/procurement/

By:

ARCH. LUCILLE H. CHUA, fuap, piep Chairperson, AC-Infra and Consultancy

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

1. Scope of Bid

The Procuring Entity, Quezon City Government invites Bids for the PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY-ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER, with Project Identification Number 23-00118.

[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]

The Procurement Project (referred to herein as "Project") is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for 2023 in the amount of Two Hundred Fifty-One Million Six Thousand Five Hundred Fifty-Four Pesos and 64/100 Ctvs. (P 251,006,554.64).
- 2.2. The source of funding is:
 - a. LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

a. Subcontracting is not allowed.

7.1. [If Procuring Entity has determined that subcontracting is allowed during the bidding, state:] The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criterial stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.

- 7.2. [If subcontracting is allowed during the contract implementation stage, state:] The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in ITB Clause 5 to the implementing or end-user unit.
- 7.3. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address on August 29, 2023, 10:00 A.M. at 2nd Floor, Procurement Department-Bidding Room, Finance Building, Quezon City Hall Compound and/or we encourage the prospective bidders to join through our Virtual Conference (ZOOM APP) Meeting ID: 854 9489 0133 Password: 273320

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in Section IX. Checklist of Technical and Financial Documents.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this

Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.

- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

- 14.2. Payment of the contract price shall be made in:
 - a. Philippine Pesos.

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security in no case shall exceed One Hundred Twenty (120) calendar days from the date of opening of bids, unless duly extended by the bidder upon the request of the Head of the Procuring Entity (HoPE) of the Quezon City Local Government. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 5 of the IB.

18. Opening and Preliminary Examination of Bids

18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "passed" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Notes on the Bid Data Sheet (BDS)

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

ITB Clause					
5.2	For this purpose, similar contracts shall refer to contracts which have the same major categories of work.				
7.1	Subcontracting is not allowed.				
10.3	No additional contractor license or permit is required				
	In aaaiii0 	n, eligible bidders shall qualify	y or comply with the	ne jouowing:	
	1. Bidders	with valid Philippine Contract	ors Accreditation	Board (PCAB)	
	Type				
	Ele	ctrical Works – Medium B			
10.4	The mini following:	mum work experience requi	rements for key	personnel are the	
	Qnty.	Key Personnel	General	Relevant	
			Experience	Experience	
	1	Project-in-Charge	3 years	3 years	
	1	(Project Engineer)	2	2	
	1	General Foreman	3 years	3 years	
	1	Trade Engineer/Leadman for civil works	3 years	3 years	
	1	Trade Engineer/Leadman for electrical works	3 years	3 years	
	1	Safety Officer	3 years	3 years	
	1	DPWH duly accredited			
		Materials Engineer	3 years	3 years	
	notarized for the pro	on, the bidder must execute stating that the foregoing pers oject until its completion. Plea	onnel shall perfor se see attached bid	m work exclusively l forms.	
10.5	The minin	num major equipment requirem	ents are the follow	ving:	
		Equipment	Capacity	Number of Units	
		Dumptruck	$12yd^3$	1	
		One Bagger Mixer	4-6 ft ³ /min	1	
		Bar Cutter		1	
		Bar Bender		1	
		Microtrenching		1	
		Jackhammer		1	
		HDD Machine		1	

	In addition, the bidder must execute an affidavit of undertaking duly notarized stating that the foregoing equipment shall be used exclusively for the project until its completion. Please see attached bid forms.
12	[Insert Value Engineering clause if allowed.]
15.1	The bid security shall be in the form of a Bid Securing Declaration with project number, or any of the following forms and amounts:
	a) The amount of not less than Php 5,020,131.09 or equivalent to two percent (2%) of ABC if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or
	b) The amount of not less than Php 12,550,327.73 or equivalent to five percent (5%) of ABC if bid security is in Surety Bond.
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
20	No additional requirement.
21	Additional Contract Documents relevant to the Project as required: 1. Construction Schedule and S-curve,
	2. Manpower Schedule,
	3. Construction Methods,
	4. Equipment Utilization Schedule,5. PERT/CPM or other acceptable tools of project scheduling, shall be
	included in the submission of Technical Proposal.

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Contractor, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract** (SCC), references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

- 3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the SCC, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.
 - 3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the **SCC**.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

- 11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.
- 11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the **SCC**, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the SCC, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

15.1. If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals as specified in the **SCC**.

15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the **SCC** from payments due to the Contractor.

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Works procured. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
2	Completion of work shall be within 720 calendar days.
4.1	The Procuring Entity shall give possession of all parts of the Site to the
	Contractor upon receipt of the Notice to Proceed.
6	The site investigation reports are: [list here the required site investigation reports.]
7.2	[Select one, delete the other.]
	[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:] Fifteen (15) years.
	[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:] Five (5) years.
	[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:] Two (2) years.
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
13	The amount of the advance payment is no more that fifteen percent (15%) of the Contract Price subject to approval by the HOPE and compliance with the conditions under RA 9184 and its IRR.
14	No further instructions.
15.1	The date by which operating and maintenance manuals are required is thirty (30) days The date by which "as built" drawings are required as part of final payment
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is ten (10%) percent of the contract price.

Section VI. Specifications

Notes on Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying or conditioning their Bids. In the context of international competitive bidding, the specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of Bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

Samples of specifications from previous similar projects are useful in this respect. The use of metric units is mandatory. Most specifications are normally written specially by the Procuring Entity or its representative to suit the Works at hand. There is no standard set of Specifications for universal application in all sectors in all regions, but there are established principles and practices, which are reflected in these PBDs.

There are considerable advantages in standardizing General Specifications for repetitive Works in recognized public sectors, such as highways, ports, railways, urban housing, irrigation, and water supply, in the same country or region where similar conditions prevail. The General Specifications should cover all classes of workmanship, materials, and equipment commonly involved in construction, although not necessarily to be used in a particular Works Contract. Deletions or addenda should then adapt the General Specifications to the particular Works.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for goods, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that goods, materials, and workmanship that meet other authoritative standards, and which ensure substantially equal or higher quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the SCC.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted

subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

These notes are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final Bidding Documents.



Republic of the Philippines Quezon City

KAGAWARAN NG INHINYERYA

(CITY ENGINEERING DEPARTMENT)

Civic Center Building B, Quezon City Hall Compound, Effiptical Road Diliman, Central 1100 Quezon City Trunkline: +63 2 8988 4242



PROJECT TITLE:

PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY-ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL

CENTER

LOCATION:

QUEZON CITY

TECHNICAL SPECIFICATIONS

- Fiber Optic Cable: The specifications of the fiber optic cable to be used should be defined. This
 includes the type of cable (single-mode or multi-mode), the core diameter, cladding diameter, and
 numerical aperture (NA) for multi-mode cables.
- Cable Routing and Protection: The specifications for cable routing and protection should be determined. This includes the type of cable trays, conduits, or ducts to be used, as well as any necessary supports, clamps, or hangers to secure the cable along its route.
- Cable Pulling Tension: The maximum allowable pulling tension for the fiber optic cable should be specified to avoid damaging the cable during installation. This is typically expressed in pounds or Newtons.
- 4. Bend Radius: The minimum bend radius for the fiber optic cable should be defined to ensure that the cable is not subjected to excessive bending, which can cause signal loss or damage. The bend radius is usually specified in terms of a ratio to the cable diameter.
- Splicing and Termination: The specifications for splicing and termination methods should be outlined. This includes the type of splices (fusion or mechanical) and connectors (SC, LC, ST, etc.) to be used, as well as any required testing procedures for verifying the quality of the splices and terminations.
- Testing and Certification: The specifications for testing and certification of the installed fiber optic system should be defined. This includes the required tests (such as loss measurements, reflectance, and end-to-end continuity) and the acceptable performance criteria.
- Environmental Considerations: Any specific environmental considerations, such as temperature range, moisture resistance, or fire ratings, should be taken into account and specified for the fiber optic installation.
- Safety Guidelines: Safety guidelines and precautions should be established for the installation process. This includes proper handling of fiber optic cables, use of protective equipment, and adherence to industry safety standards.

1. Fiber Optic Cable:

- a. Fiber Type: Single-mode or multi-mode
- b. Core Diameter: Typical values are 9/125 μm for single-mode and 50/125 μm or 62.5/125 μm for multi-mode fibers
- c. Cable Construction: Loose tube or tight-buffered
- d. Fiber Count: Number of fibers in a cable (e.g., 4, 12, 24, 48 fibers)
- e. Cable Outer Diameter: Typically measured in millimeters (e.g., 4.5 mm, 7.0 mm, 12.0 mm)
- Cable Jacket Material: PVC (polyvinyl chloride), LSZH (low smoke zero halogen), or other specified material
- g. Tensile Strength: Maximum allowable pulling force in Newtons (N)
- h. Bend Radius: Minimum allowable bending radius in millimeters (mm)

2. Connectors and Splices:

- Connector Type: SC (Standard Connector), LC (Lucent Connector), ST (Straight Tip), etc.
- b. Splice Type: Fusion splice or mechanical splice
- c. Loss Budget: Maximum acceptable signal loss in decibels (dB) for connectors and splices

3. Equipment and Hardware:

- a. Patch Panels: Used for termination and connection of fiber optic cables
- Patch Cords/Jumpers: Short fiber optic cables used for interconnecting equipment or patch panels
- Termination Boxes: Enclosures for terminating fiber optic cables and managing cable slack
- d. Fiber Optic Transceivers: Devices that convert electrical signals to optical signals and vice versa

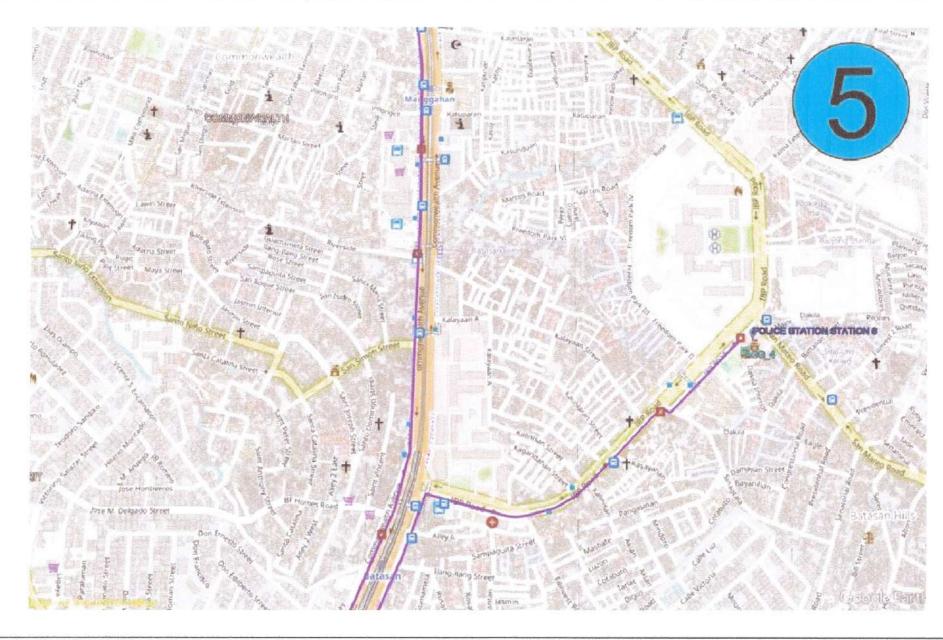
4. Installation Guidelines:

- a. Installation Method: Underground, aerial, or indoor installation
- Cable Routing: Proper routing and support of the fiber optic cable to avoid excessive stress or damage
- Cable Protection: Adequate protection against environmental factors (e.g., moisture, UV exposure)
- d. Cable Testing: Procedures for testing and verifying the installed fiber optic cable's performance and integrity

ENGR. KELVIN M. MARZONIA Planning and Design Division ENGR. RALPHGREGOR M. MANALO
Planning and Design Division

Section VII. Drawings

[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]



AGGREGATE 4 FOC 5



Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY (INGINEERING DEPARTMENT) PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DATE: DESIGNED BY: DRAWN BY: IAM ELECTRICAL DIGNEER CHECKED BY: HON

REVISION NO.:

SUBMITTED BY: ENGR. LEO S. DEL ROSARIO

ATTY. MARK DALE DIAMOND P. PERRAL

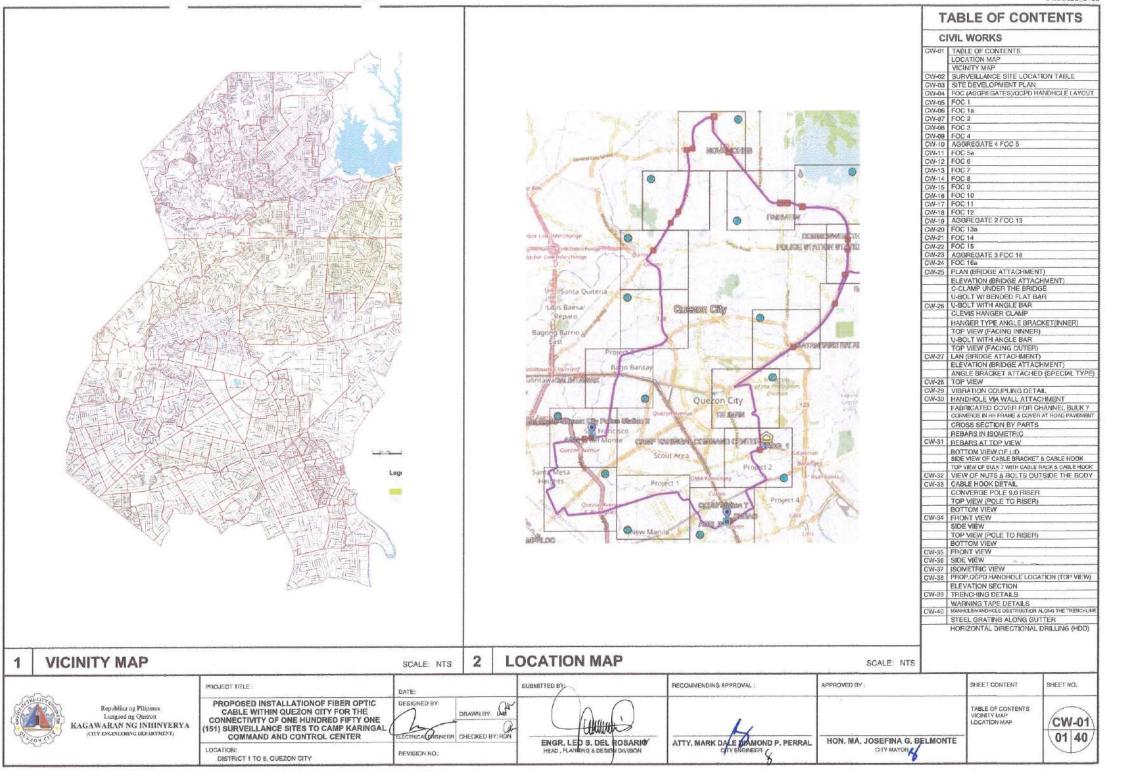
RECOMMENDING APPROVAL:

HON, MA, JOSEFINA G. BELMONTE

APPROVED BY :

SHEET CONTENT SHEET NO. AGGREGATE 4 FOC 5

CW-10 10 40



SITE No.	SITE NAME	POLICE STATIO
1	A.Bonifacio / Puregold Extra	Police Station :
2	A.Bonifacio Cor Sgt Rivera	Police Station :
3	A.Bonifacio / Balintawak	Police Station
4	A.Bonifacio Cor Mauban St	Police Station :
5	A Samson /Kaingin St	Police Station 1
6	Balintawak Lrt	Police Station 1
7	Balintawak Puj Terminal	Police Station 1
8	Banawe Cor Dapitan St	Police Station
9	Biak Na Bato Cor Quezon Ave	Police Station 1
10	D. Tuazon Cor G Roxas	Police Station 1
11	Del Monte Cor Biak Na Bato	Police Station :
12	Ns Amoranto Cor Banawe	Police Station :
13	Quezon Ave Cor D Tuazon	Police Station
14	Sto Domingo Cor Ns Amoranto	Police Station
15	Sto Domingo Cor Quezon Ave	Police Station 1
16	D Tuazon Cor Ma Clara	Police Station 1
17	Dapitan Cor Kanlaon St	Police Station
18	Edsa Cor Kaingin Road	Police Station
19	Road 1 Cor Mindanao Ave	Police Station 2
20	Visayas Ave Cor Eliptical Road	Police Station 2
21	Visayas Ave Cor Road 1	Police Station 2
22	Congressional Cor Cagayan St	Police Station 2
23	Congressional Cor Shorthorn St	Police Station
24	Delmonte Police Staion 2	Police Station 2
25	Edsa Cor Veterans Village	Police Station 2
26	Pitimini St Cor Roosevelt	Police Station 2
27	Roosevelt Cor Delmonte	Police Station 2
28	Roosevelt Cor Dangay St	Police Station 2
29	West Triangle Cor Quezon Ave	Police Station 2
30	Matatag Cor Matalino St	Police Station 2
31	Nia Road Cor Bir Road	Police Station 2
32	Quezon Ave Cor Gen Lim St	Police Station 2
33	Quezon Ave /Edsa Dilg	Police Station 2
34	Quezon Ave Lung Center	Police Station 2
35	Commonwealth / Tandang Sora	Police Station 3
36	Congressional Cor Luzon Ave	Police Station 3
37	Mindanao Cor Talipapa (Arty 1)	Police Station 3
38	Mindanao Ave Pedestrian Overpass Beside Volvo Trucks	Police Station 3
39	Mindanao Ave Cor Tandang Sora Ave	Police Station 3
40	Quirino Hi-Way Cor Tullahan Road	Police Station 3
41	Tandang Sora Ave Cor Visayas Ave Wet Market	Police Station 3
42	Edsa Cor Seminary Road	Police Station 3
43	Mendez St Cor Quirino Hi-Way	Police Station 3
44	North Diversion Road Camachille	Police Station 3
45	Shorthorn St Cor Road 20 St	Police Station 3
46	Buenmar St Cor Gen Luis	Police Station 4
47	Damong Maliit Cor Queen Victoria	Police Station 4
48	Gen Luis Cor Damong Maliit	Police Station 4
49	Gen Luis Cor Katipunan	Police Station 4
50	Infront Of Our Lady Of Mercy Along Quirino Hi-Way	Police Station 4

51	Jordan St Cor Susano Road Beside Hardware	Police Station 4
52	Kingspoint Footbridge/ Quirino Hi-Way	Police Station 4
53	Millionaires Subdivision Cor Susano Road	Police Station 4
54	Novaliches Proper Ps4 Commbox Besside Villarica	Police Station 4
 55	Quirino Hi-Way Cor P Dela Cruz	Police Station 4
56	Quirino Hi-Way /Sauyo Market	Police Station 4
57	Quirino Hi-Way Front Of Sti College	Police Station 4
58	Commonwealth Ave Cor Quirino Hi-Way	Police Station 5
59	Commonwealth Ave Cor Fairlane St	Police Station 5
60	Maligaya St Cor Oval Drive	Police Station 5
61	Mindanao Cor Commonwealth Ave	Police Station 5
62	Omega St Cor Rolex St	Police Station 5
63	Pearl Drive Cor Commonwealth Ps5	Police Station 5
64	Quirino Hi-Way Cor Esperanza St	Police Station 5
65	Quirino Hi-Way Cor Bellfast St	Police Station 5
66	Quirino Hi-Way Cor Regalado	Police Station 5
67	Quirino Hi-Way Cor Zaparte	Police Station 5
68	Regalado Cor Republic Ave	Police Station 5
69	Republic Ave Cor Chesnut St	Police Station 5
70	Commonwealth Cor Bf Road	Police Station 6
71	Commonwealth / Villonco St	Police Station 6
72	Commonwealth Cor Bf Road Hb Soliven	Police Station 6
73	Commonwealth / Market	Police Station 6
74	libp Road Cor Kalayaan St	Police Station 6
75	Ibp Road Cor Sinagtala St	Police Station 6
76	Litex Road (Litex Cor lbp Road Outpost)	Police Station 6
77	Eagle St Boundary Of Payatas	Police Station 6
 78	Jp Rizal Cor A Bonifacio	Police Station 6
79	Old Balara Cor Dupax (Commonwealth Cor Dupax)	Police Station 6
80	Riverside Tricycle Terminal (Commonwelth Near Riverside St)	Police Station 6
81	San Mateo Rd Cor Dakila St	Police Station 6
82	Sitio Veterans Front Of Sagrada Church	Police Station 6
83	Sitio Veterans Wet Market	Police Station 6
 84	Tandang Sora Ave Cor Capitol Hills	Police Station 6
85	Viologo St Cor Sitio Pugot Bagong Silangan	Police Station 6
86	Zuzuareggui Cor Capitol Hills	Police Station 6
87	Front Station 6	Police Station 6
88	Aurora Blvd / Toyota (Aurora Cor La Salle St)	Police Station 7
89	Mataba / Pa Bernardo	Police Station 7
90	Aurora Cor Benitez	Police Station 7
91	Aurora Blvd Cor Remulia	Police Station 7
92	Aurora / Timeaquare (Aurora Cor Cambridge)	Police Station 7
93	Aurora Blvd Cor Imperial St	Police Station 7
94	P.Tuazon Cor. Edsa Police Station 7	Police Station 7
95	20th Ave Cor Kalantiaw St	Police Station 8
96	20th Ave Cor P. Tuazon St	Police Station 8
97	Aurora Blvd Cor 20th Ave	Police Station 8
98	Aurora Blvd / Hi Top Super Market	Police Station 8
99	Aurora Blvd Cor Jp Rizal	Police Station 8
100	Aurora Blvd Cor Anonas (Wcc)	Police Station 8

101	Katipunan Cor Boni Sserano	Police Station
102	Katipunan / Kopiroti (Katipunan Cor T Castro)	Police Station
103	P Tuazon Cor Jp Rizal	Police Station
104	Police Station 8 / Project 4	Police Station
105	T Castro Cor Jp Rizal	Police Station
106	Kamias Cor Edsa (Beside 7/11)	Police Station
107	Sikatuna / Anonas (Anonas Cor V Luna)	Police Station
108	Katipunan Cor Dela Rosa	Police Station
109	Maginhawa Cor Mapagkumbaba	Police Station
110	Aurora Blvd Cor Katipunan	Police Station
111	Aurora Blvd Cor Laoan	Police Station
112	Camp Karingal	Police Station
113	Kalayaan Cor V Luna	Police Station
114	Kamias Cor K-J St (Petron Cor Kalayaan)	Police Station
115	Anonas Cor Pajo St	Police Station
116	Up Wet Market Along Commonwelth Ave	Police Station
117	University Ave Cor Cp Garcia	Police Station
118	Old Balara Cor Tandang Sora (Tandang Sora Corvic Valley)	Police Station
119	Katipunan Ave /Mwss Nawasa	Police Station
120	Masaya St Cor Maginhawa St	Police Station
121	Commonwealth Cor Masaya	Police Station
122	Anonas St. Police Station 9	Police Station
123	Edsa Cor Nia Road	Police Station
124	11th Jamboree Cor Kamuning	Police Station
125	Aurora Blvd/ Lantana (Aurora Blvd / Dried St)	Police Station
126	E.Rodriguez Cor Don Egea St	Police Station :
127	E.Rodriguez Cor New York St	Police Station
128	East Ave Cor Magalang St	Police Station
129	Edsa Cor Panay Ave	Police Station
130	Edsa Cor Sct Borromeo St	Police Station
131	F. Manalo Cor Monte De Piedad	Police Station :
132	Police Station 10 Edsa Southbound Near Kamias St	Police Station :
133	Quezon Ave Cor Don A Roces	Police Station :
134	Quezon Ave Cor Sct Borromeo	Police Station :
135	Sct Reyes Cor Magnolia St	Police Station :
136	Sct Tobias Cor St Chuatoco	Police Station 3
137	Timog Ave Cor Quezon Ave	Police Station :
138	Timog Ave Cor Sct Tobias	Police Station
139	Tomas Morato Cor Kamuning	Police Station 1
140	A. Roces Cor. Sct. Reyes	Police Station 1
141	E.Rodriguez Cor Banawe St	Police Station 1
142	Welcome Rotonda	Police Station 1
143	Aurora Blvd /Sta Mesa (Uerrmc)	Police Station 1
144	E.Rodriguez Cor Cordillera St	Police Station 1
145	E. Rodriguez Cor Florella St	Police Station 1
146	E.Rodriguez Cor Gilmore St	Police Station 1
147	Brgy Ugong Norte Cor. C5 Ortigas	Police Station 1
148	C5 / Former Shopwise Libis (Robinson Holdings)	Police Station 1
149	C5 / Mercury Ave.	Police Station 1
150	Police Station 12 C5/ Richmond Road	Police Station 1
151	Wilcon Footbridge C5 Libis	Police Station 1

SURVEILLANCE SITE LOCATION TABLE

SCALE: NTS.

SHEET CONTENT



Republika ng Pilipinaa Lungsud ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING BEPARIMENT) ROJECT TITLE :

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION: DISTRICT 1 TO 8, QUEZON CITY DATE:
DESIGNED BY:
DRAWN BY: IAM

ELECTRICAL ENGINEER CHECKED BY: RDN

REVISION NO.:

ENGR. LED S. DEL ROSARIO
HEAD, PLANGING & DESIGN DIVISION

SUBMITTED BY:

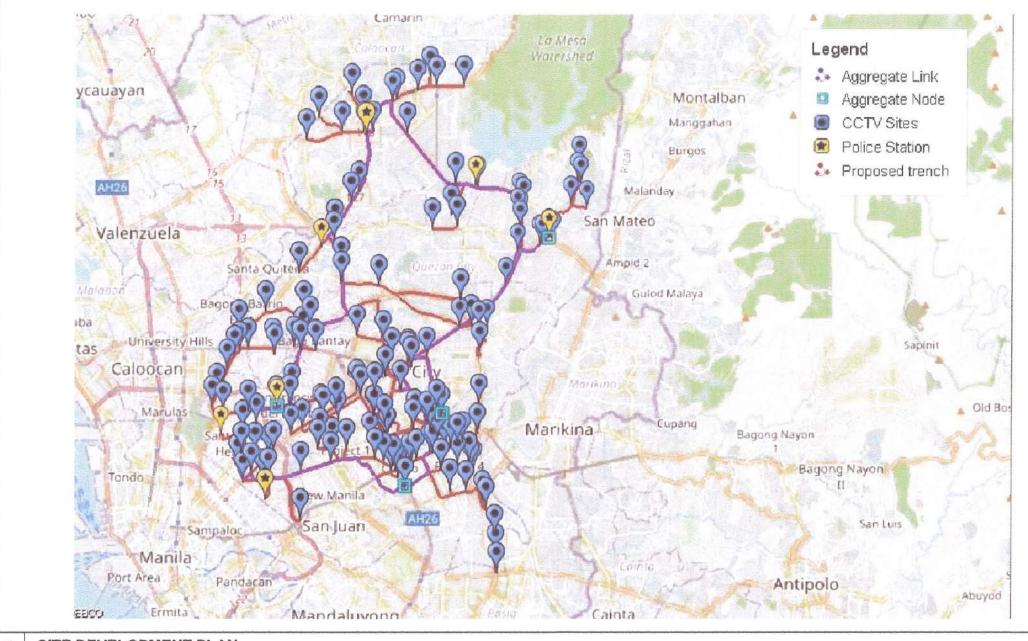
ATTY, MARK DAKEDIAMOND P. PERRAL

RECOMMENDING APPROVAL:

HON. MA. JOSEFINA G. BELMONTE

APPROVED BY:

CW-02 02 40



1 SITE DEVELOPMENT PLAN

SCALE: NTS.

SHEET CONTENT



PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DATE:

DESIGNED BY:

DRAWN BY: YAM

DRAWN BY: YAM

DRECKED BY: MON

FREVISION NO.:



	1
-	ATTY, MARK PALE DIAMOND P. PERRAL
	CITY ENGINEER

RECOMMENDING APPROVAL:

HON, MA, JOSEFINA G, BELMONTE

APPROVED BY:

CW-03 03 40

PROPOSED UNDERGROUND FOC CAGGREGATES PROPOSED UNDERGROUND FOC PROPOSED AERIAL FOC PROPOSED GCPD HANDHOLE PROPOSED GCPD HANDHOLE W/ CLOSURE PROPOSED COMBOX

PROPOSED UNDERGROUND FOC(AGGREGATES)

2,260m

PROPOSED UNDERGROUND FOC

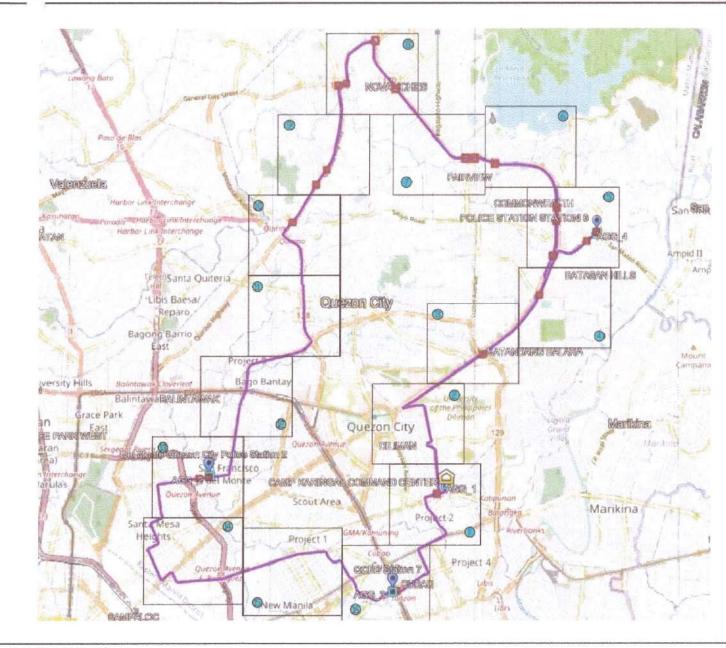
1,270m

PROPUSED AERIAL FOC

120m

PROPOSED HANDHOLE

23



1 FOC (AGGREGATES) AND QCPD HANDHOLE LAYOUT

SCALE: NTS.

SHEET CONTENT



Republika ng Pilipinas Lungsod ng Quezoo KAGAWARAN NG INHINYERYA PROJECT TITLE:

PROPOSED INSTALLATIONOF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL (
COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DATE:

DESIGNED BY:

DRAWN BY: JAM

DRAWN BY: JAM

REVISION NO.:



ATTY, MARK DALE DIAMOND P. PERRAL

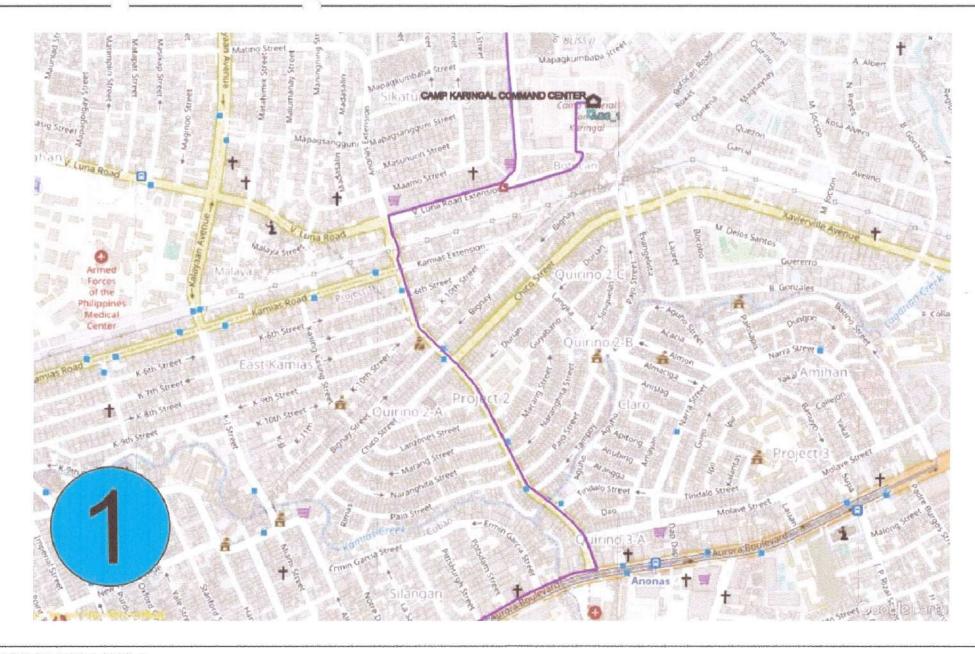
RECOMMENDING APPROVAL

FOC (AGGREGATES)/AGPO HANDHOLE LAYOUT

HON, MA, JOSEFINA G, BELMONTE

APPROVED BY

CW-04 04 40



1 AGGREGATE 1 FOC 1



Republika ng Pilipinus
Laingsod ng Quezon
KAGAWARAN NG INHINYERYA
(CITY ENGENEERING DEPARTMENT)

PROJECT TITLE :

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION: DISTRICT 1 TO 6, QUEZON CITY DESIGNED BY:

DESIGNED BY:

DRIAWN BY: IAM

DESCRIPTION OF THE CHECKED BY: ROW

REVISION NO.:

ENGR, LEO S, DEL ROSARIO,
HEAD, FLANNING & DESIGNA DIVISION

ATTY, MARK DALE GRAMOND P. PERRAL BY ENGINEER C

RECOMMENDING APPROVAL:

A

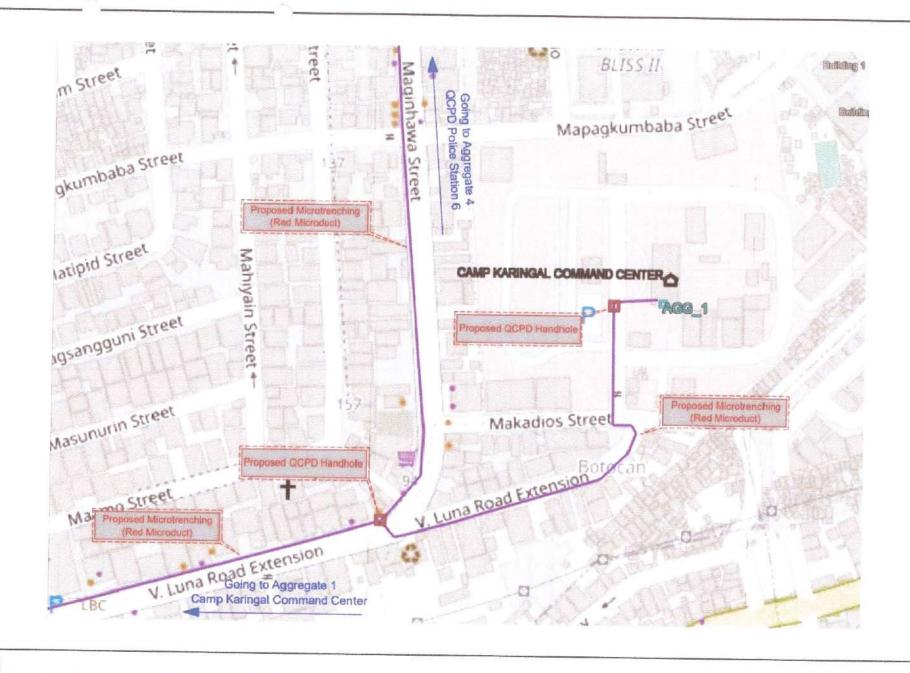
HON, MA. JOSEFINA G. BELMONTE

APPROVED BY

SHEET CONTENT SHEET NO.

AGGREGATE 1 FOC 1

CW-05 05 40



1 FOC 1a



Republika ng Pilipinas
Lungsod ng Quezog
KAGAWARAN NG INHINYERYA
(CITY ENGINEERING DEPARTMENT)

PROJECT TILE:

PROPOSED INSTALLATION OF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL
COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DATE:	
DESIGNED BY:	DRAWN BY: JAM
FLECTHICAL ENGINEER	CHECKED BY: ABY

REVISION NO.

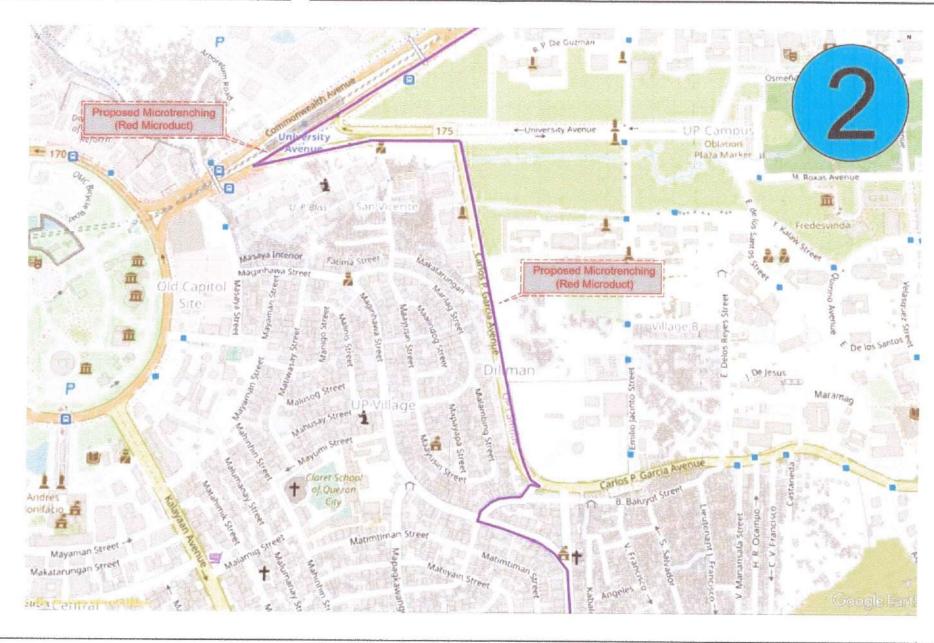
BMITTED BY		
	Account 1	
ENGR, LEG	S, DE	ROSARIO

TILOGRAPIA AFFRONAL;	APPH
1,	
ATTY, MARK DALE DIAMOND P. PERRAL	НО

BECOMMENDING ARRESONAL

PROVED BY:	SHEET CONTENT	SHEET NO.
	FOC ta	CW-06

DN. MA. JOSEFINA G. BELMONTE





Republika ng Pilipinas Lungsod ng Operon KAGAWARAN NG INHINYERYA PROPOSED INSTALLATIONOF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL
COMMAND AND CONTROL CENTER

LOCATION:

DISTRICT 1 TO 8, QUEZON CITY

DESIGNED BY:

DESIGNED BY:

DRAWN BY: INM

DRAWN BY: INM

REVISION NO.:

ENGR. LES S. DEL ROSARIOL
HEAD, PLANSING & DESIGN DIVISION

ATTY, MARK DALE DIAMOND P. PERRAL HON. MA. JOSEFINA G. BELMONTE

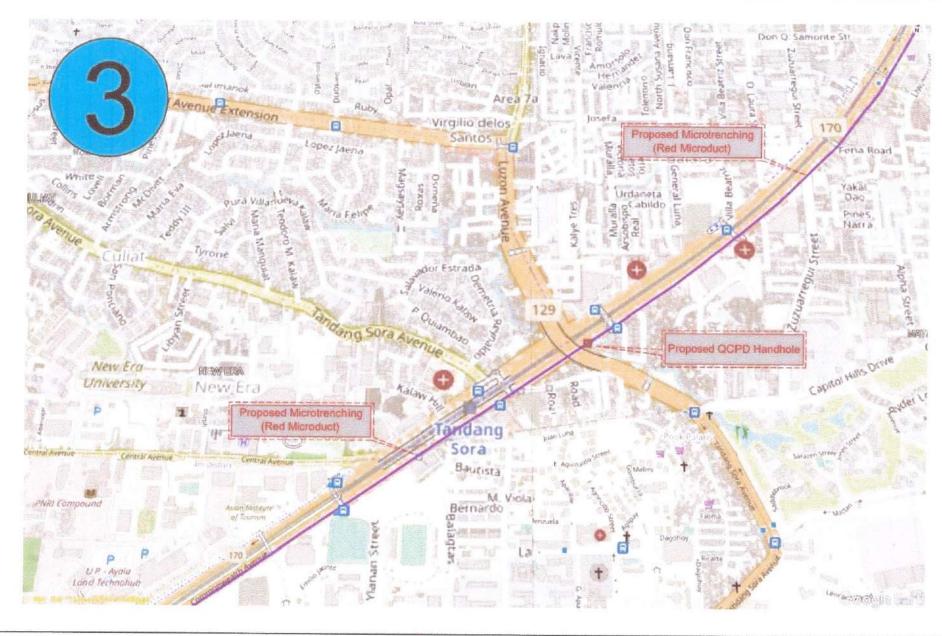
RECOMMENDING APPROVAL:

APPROVED BY:

SHEET CONTENT

SHEET NO.

CW-07 07 40





Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CHY ENGINEERING DEPARTMENT) PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION:

DISTRICT 1 TO 8, QUEZON CITY

DESIGNED BY:

DRAWN BY: MA

DR

ENGR. LEO S, DEL ROSARIO
HEAD , PLANNING & DESIGN DIVISION

ATTY. MARK DALE DIAMOND P. PERRAL

RECOMMENDING APPROVAL:

APPROVED BY:

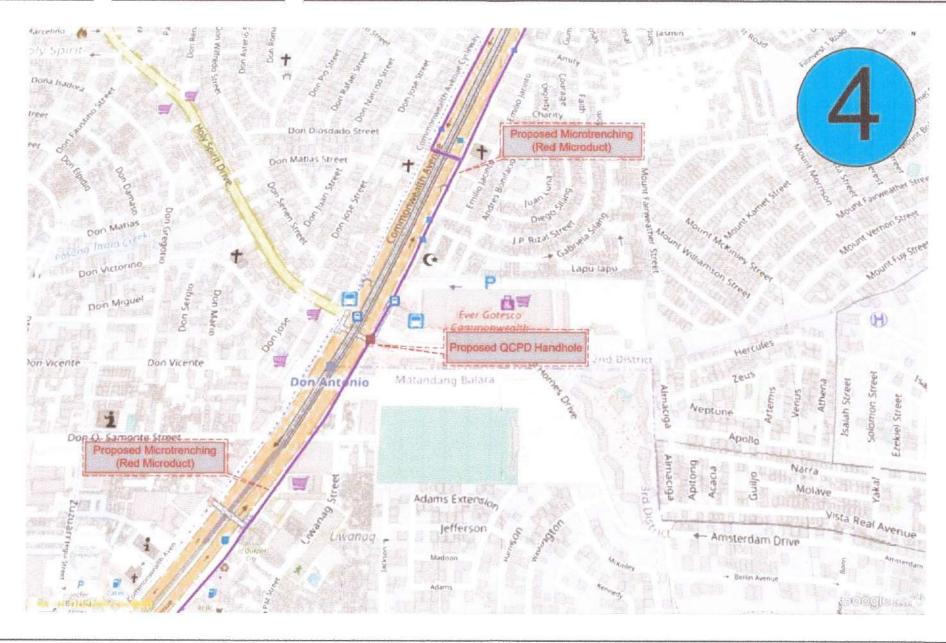
BHEET CONTENT

FOC 3

HON, MA, JOSEFINA G, BELMONTE

CW-08 08 40

SHEET NO.





Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT) PROJECTITILE:

PROPOSED INSTALLATIONOF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL
COMMAND AND CONTROL CENTER

LOCATION:

DISTRICT 1 TO 6, QUEZON CITY

DATE:

C DESIGNED BY:

DRAWIN BY:

DRAWIN

ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & DESIGN DIVISION

ATTY, MARK DAVE PLAMOND P. PERRAL CITY ENGINEER C

RECOMMENDING APPROVAL

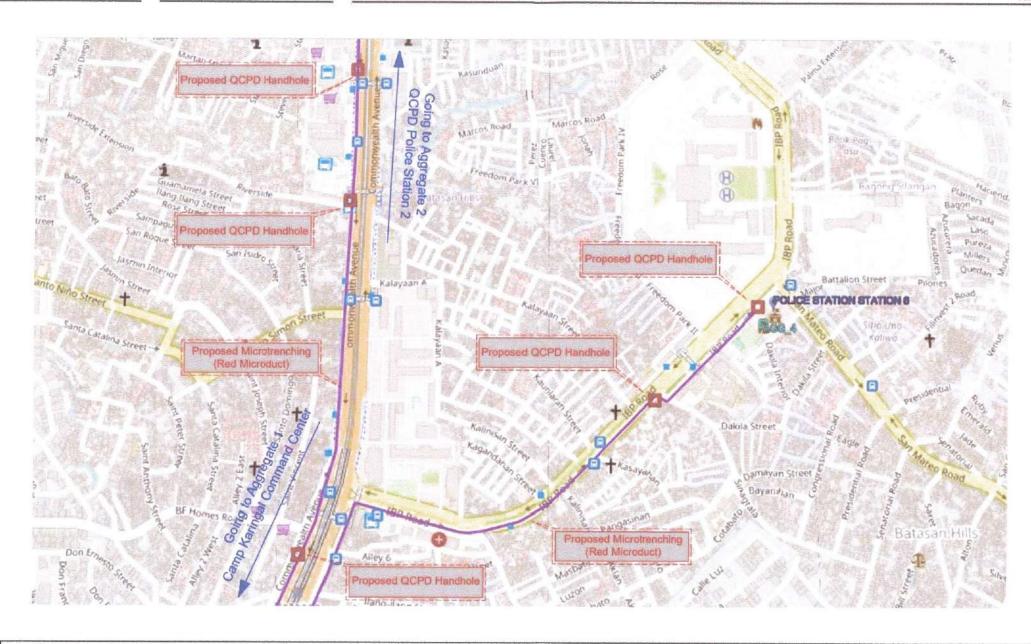
HON, MA, JOSEFINA G, BELMONTE

SHEET CONTENT

APPROVED BY

CW-09 09 40

SHEET NO.



1 FOC 5a

K.

Republika ng Pilipinas
Lungsod ng Quezon
KAGAWARAN NG INHINYERYA
(CITY ENGINEERING DEPAREMENT)

PROPOSED INSTALLATION OF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE

DISTRICT 1 TO 6, QUEZON CITY

CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER LOCATION:

DATE:

DESIGNED BY:

DRAWN BY:

CHECKED BY SON

REVISION NO.

ENGR, LEO'S, DEL ROSARIO
HEAD , PLANNING A DESIGN DIVISION

ATTY. MARK DALE DIAMOND P. PERRAL

RECOMMENDING APPROVAL:

FOC 63
HON, MA, JOSEFINA G, BELMONTE

APPROVED BY:

CW-11 11 40

SHEET NO.





Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT) PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION:

DISTRICT 1 TO 8, QUEZON CITY

DATE:
DESIGNED BY:
DRAWN BY: JAIN
DR

ENGR, LEG S. DEL ROSARIO
HEAD, PLANNING & DESIGN DIVISION

ATTY, MARK DALE DIAMOND P. PERRAL H

RECOMMENDING APPROVAL

APPROVED BY:

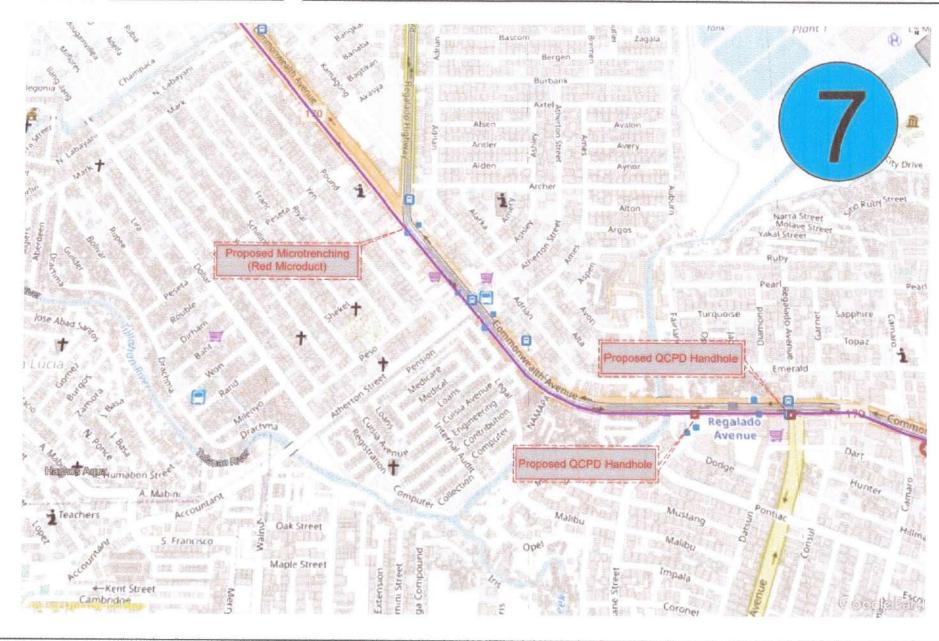
SHEET CONTENT

FOC 8

HON. MA. JOSEFINA G. BELMONTE

CW-12 12 40

SHEET NO.





Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT)

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

PROJECT TITLE:

LOCATION:

DISTRICT 1 TO 6, QUEZON CITY

DRAWN BY: TAM ECONOMINATION CHECKED BY JOH REVISION NO.:

DESIGNED BY:

SUBMITTED BY: ENGR. LEOS, DEL ROSARID

ATTY, MARK DIAL BIAMOND P. PERRAL

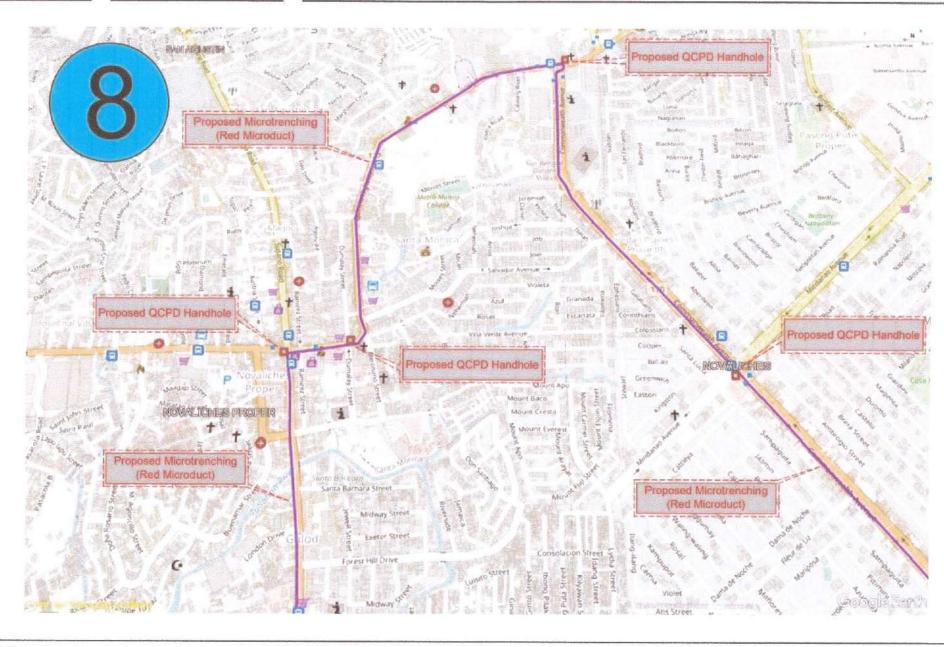
RECOMMENDING APPROVAL:

FOC 7 HON, MA. JOSEFINA G. BELMONTE

APPROVED BY

CW-13 13 40

SHEET NO.



Republika ng Pilipinas Langsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT)

PROJECT TITLE : PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DESIGNED BY: ELECTRICAL ENGINEER CHECKED BY: RON REVISION NO.

DRAWN BY: IAM

SUBMITTED BY: ENGR. LED S. DEL ROSARION HEAD, PLANNING & DESIGN DIVISION

ATTY, MARK DALE DIAMOND P. PERRAL

RECOMMENDING APPROVAL:

FOC 8 HON, MA, JOSEFINA G. BELMONTE CITY MAYOR

APPROVED BY:

CW-14 14 40

SHEET NO.





Republika ng Pilipinus
Lungsod ng Quezon
KAGAWARAN NG INHINYERYA
(CHY ENGINEERING DEPARTMENT)

PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON GITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION:

DISTRICT 1 TO 6, QUEZON CITY

DATE:

DESIGNED BY:

DRAWN BY: IAM

DRAWN BY: WON

REVISION NO.:

ENGR. LEO S. DEL ROSARIO
HEAD, PLANNING & DESIGN DIVISION

ATTY, MARK DALE DIAMOND P. PERRAL

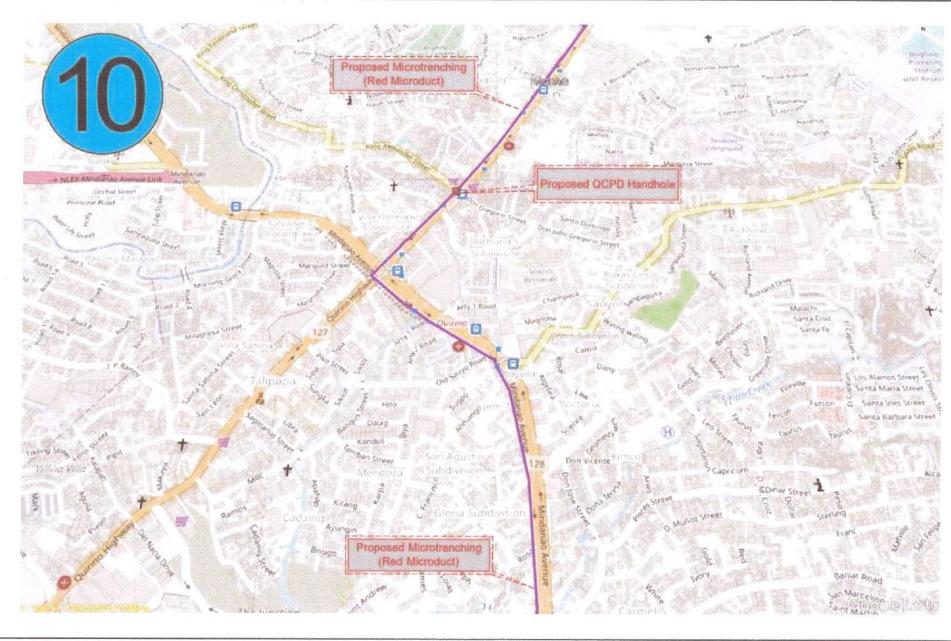
RECOMMENDING APPROVAL:

HON. MA. JOSEFINA G. BELMONTE

APPROVED BY

CW-15 15 40

SHEET NO.





Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT) PROJECTITILE:

PROPOSED INSTALLATIONOF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL
COMMAND AND CONTROL CENTER
LOCATION:

DISTRICT 1 TO 6, QUEZON CITY

DATE:

DESIGNED BY:

DRAWN BY:

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ENGR, LEO S. DEL ROSARION HEAD, PLANNING & DESIGN DIVISION

SUBMITTED BY:

ATTY, MARK DALEDIAMOND P. PERRAL

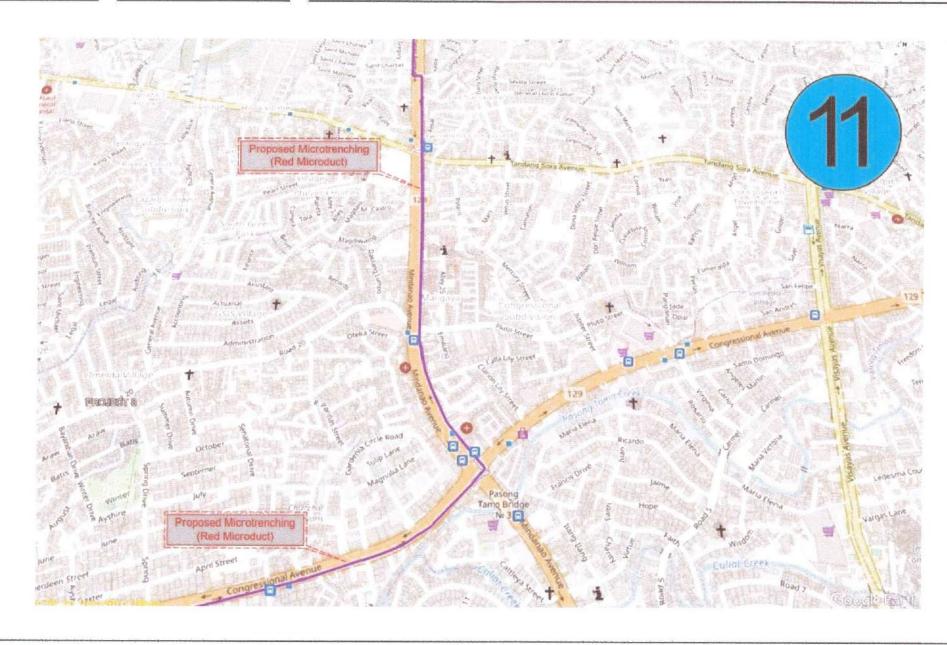
RECOMMENDING APPROVAL:

HON. MA. JOSEFINA G. BELMONTE

APPROVED BY:

CW-16

SHEET NO.





Republika ng Pilipinas Lungaod ng Queron KAGAWARAN NG INHINYERYA

PROJECT TITLE :

DISTRICT 1 TO 6, QUEZON CITY

LOCATION:

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DRAWN BY: IAM TENTHICADENGERA CHECKED BY: RON REVISION NO.:

DESIGNED BY:

DATE:

SUBMITTED BY ENGR. LEG S. DEL ROSARION

ATTY, MARK DALE DIRMOND P. PERRAL

RECOMMENDING APPROVAL:

HON. MA. JOSEFINA G. BELMONTE

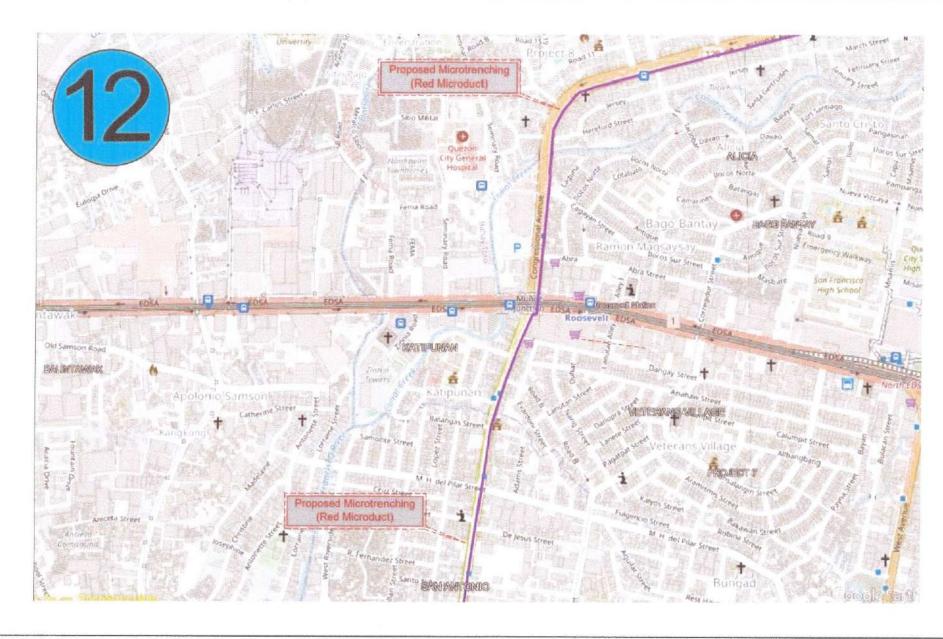
APPROVED BY :

SHEET NO.

CW-17 17 40

SHEET CONTENT

FOC 11





PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL

DISTRICT 1 TO 6, QUEZON CITY

PROJECT TITLE :

DESIGNED BY: ELECTRICAL ENGINEER CHECKED BY RON COMMAND AND CONTROL CENTER REVISION NO.:

DATE:

DRAWN BY: TAM



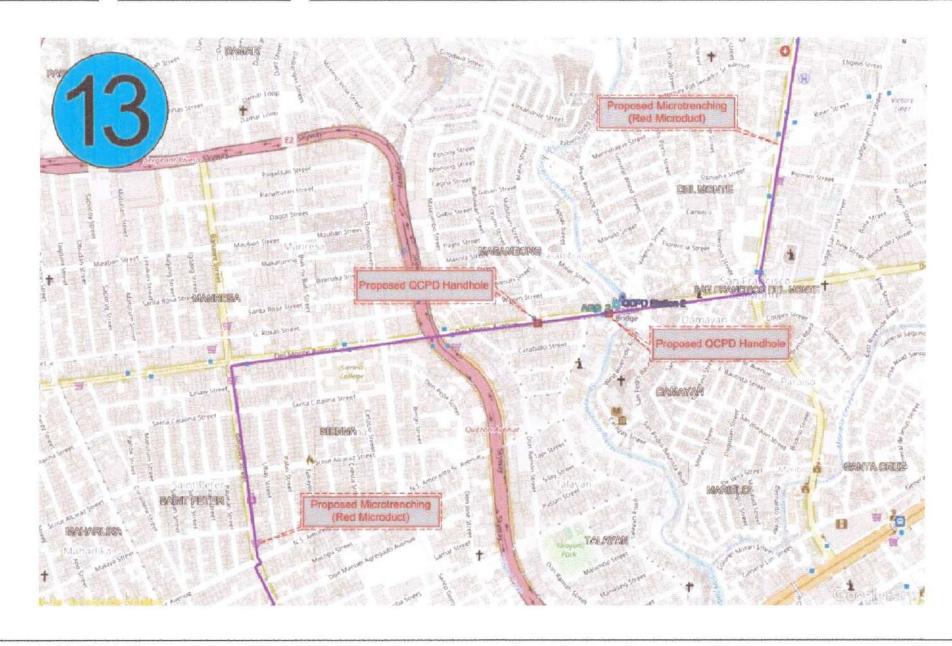


RECOMMENDING APPROVAL:

APPROVED BY: SHEET CONTENT SHEET NO. FOG 12

HON. MA. JOSEFINA G. BELMONTE

CW-18 18 40



AGGREGATE 2 FOC 13



PROJECT TITLE : PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DEFANN BY IAM HEORICAL ENGINEER CHECKED BY: RUN REVISION NO.:

DESIGNED BY:

ENGR. LEO S. DEL ROSARION

SUBMITTED BY:

ATTY. MARK DALE DIAMOND P. PERRAL

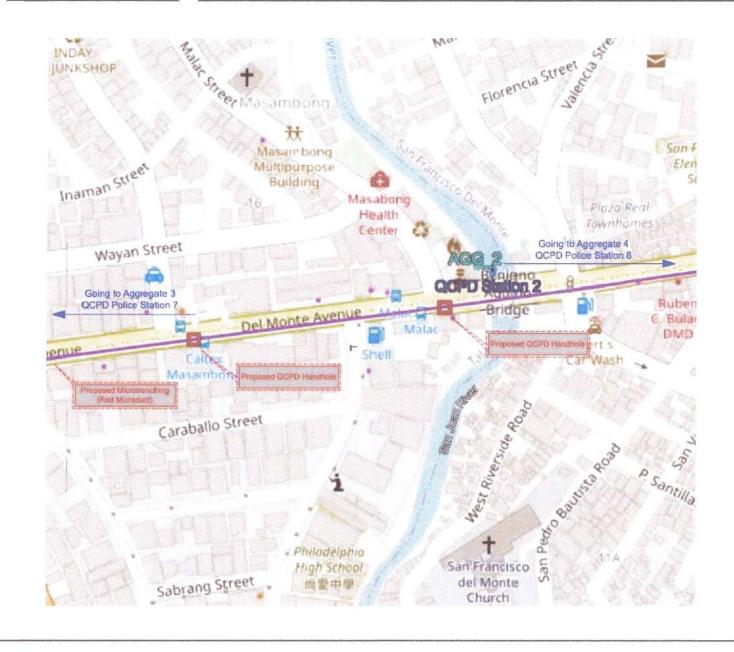
RECOMMENDING APPROVAL:

HON, MA. JOSEFINA G. BELMONTE

APPROVED BY:

AGGREGATE 2 FOC 15 CW-19 19 40

SHEET NO.



FOC 13a



Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING HEPARTMENT) PROJECT TITLE:

PROPOSED INSTALLATION OF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
ONNECTIVITY OF ONE HUNDRED FIFTY ONE
151) SURVEILLANCE SITES TO CAMP KARINGAL

(151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION:
DISTRICT 1 TO 5, QUEZON CITY

DATE:

DEGIGNED BY:

DRAWN BY: 1AM

CHECKED BY: ADN

FIEVISION NO.

ENGR, LED S. DEL ROSARIQ, HEAD, FLANING & DESIGN DIVISION

SUBMITTED BY:

ATTY, MARK DALE DIAMOND P. PERRAL

RECOMMENDING APPROVAL:

HON. MA. JOSEFINA G. BELMONTE

APPROVED BY

FOC 15a

SHEET CONTENT

CW-20 20 40

SHEET NO.





PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

PROJECT TITLE :

DESIGNED BY:	100V
0 -	DETAWN BY: IAM
BECKNICA ENGINEER	CHECKED BY: RIDN

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	(Indus	,
CHOP I	Limm	Donable
ENGR, L	ED S. DE	ROSARIO

K	
ATTY. MARK DALE BIAMOND P. PERRAL	ŀ

RECOMMENDING APPROVAL:

AL HON. MA. JOSEFINA G. BELMONTE
CITY MAYOR #6

SHEET CONTENT

SHEET NO.

APPROVED BY :





Republika ng Pilipinas T.ungsud ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT)

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

PROJECT TITLE :

LOCATION.

DISTRICT 1 TO 5, QUEZON CITY

DESIGNED BY: ELECTRICAL ENGINEER CHECKED BY: REN REVISION NO.:

DRAWN BY: IAM

SUBMITTED BY: ENGR. LEO S. DEL ROSARIQ

ATTY. MARK DAVE DIAMOND P. PERRAL

RECOMMENDING APPROVAL:

FOC 15 HON, MA. JOSEFINA G. BELMONTE

APPROVED BY :

CW-22 22 40

SHEET NO.



1 AGGREGATE 3 FOC 16

Republika ng Pilipinas
Lungsad ng Quezon

KAGAWARAN NG INHINYERYA
(CTV ENGINLERING DEPARTMENT)

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

PROJECT TITLE :

DESKINED BY: DRAWN BY: IAM
DRAWN BY: IAM
DRAWN BY: IAM
REVISION NO.:

ENGR. LED S. DER ROSARION HEAD, FLANGUNG & DESIGN DIVISION

SUBMITTED BY:

ATTY. MARK DALEGUMOND P. PERRAL CITY ENGINEER

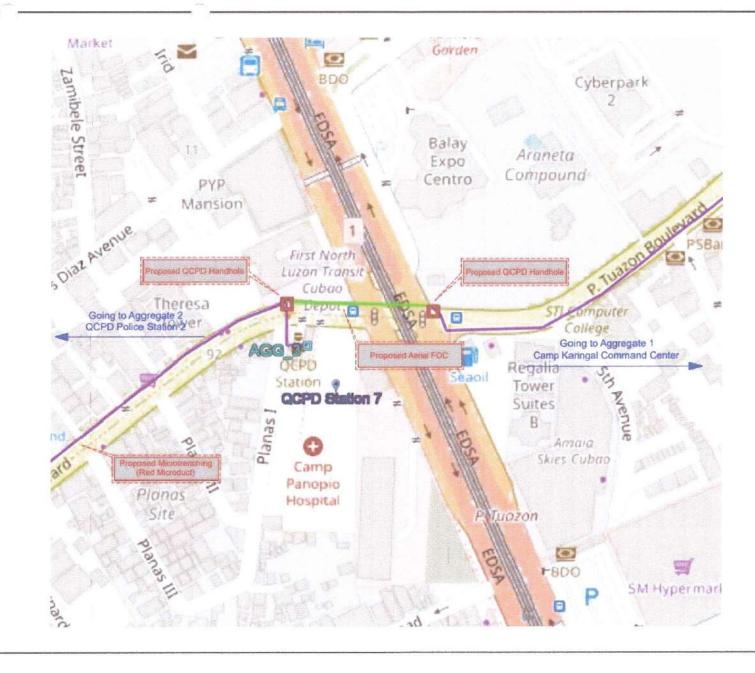
RECOMMENDING APPROVAL:

AGGREGATE 3 FOC 16
HON, MA, JOSEFINA G, BELMONTE
CITY MAYOR

APPROVED BY :

CW-23 23 40

SHEET NO.

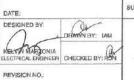


1 FOC 16a



PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY



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	All Hills	
ENGR. L	EO S. DEL ROSA	RICI
HEAD, PLA	WINNO & DESIGN DIVISI	NC

/
ATTY, MARK DALE DIAMOND P. PERRAL
OLY ENGINEER

RECOMMENDING APPROVAL:

APPROVED BY:

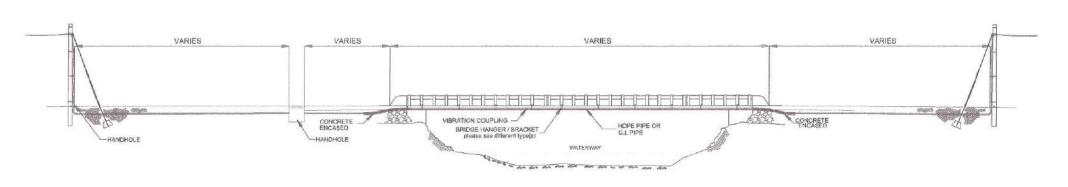
SHEET CONTENT

FOC 16a

HON. MA. JOSEFINA G. BELMONTE
CIT MAYOR,

SHEET NO.

CW-24 24 40

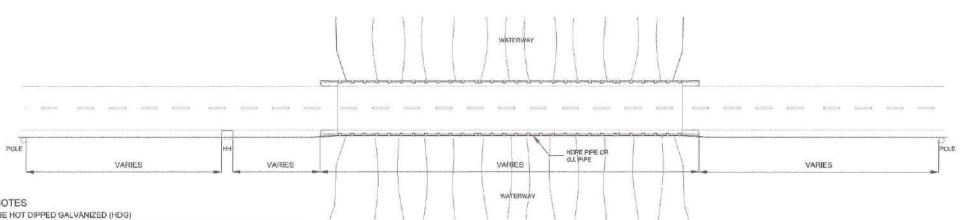


CONSTRUCTION NOTES

- 1. ALL STEEL MUST BE HOT DIPPED GALVANIZED (HDG)
- FIELD CONDITIONS AND MEASUREMENTS MUST BE VERIFIED BEFORE FABRICATION OF MATERIALS.
- WELDING ELECTRODES SHALL CONFORM WITH ASTM A233 E60XX OR E79XX
- ALL VIBRATION COUPLINGS SHALL BE PROVIDED
- ALL STRUCTURES AFFECTED BY THE INSTALLATION SHALL BE RESTORED TO ITS ORIGINAL CONDITION.
- 6. SECURE ALL THE NECESSARY PERMITS FROM DPWH PRIOR TO IMPLEMENTATION.

SIDE ELEVATION (DETAILED DESIGN OF BRIDGE ATTACHMENT)

SCALE: NTS.



CONSTRUCTION NOTES

- 1. ALL STEEL MUST BE HOT DIPPED GALVANIZED (HDG)
- 2. FIELD CONDITIONS AND MEASUREMENTS MUST BE VERIFIED BEFORE FABRICATION OF MATERIALS.
- 3. WELDING ELECTRODES SHALL CONFORM WITH ASTM A233 E60XX OR E79XX
- ALL VIBRATION COUPLINGS SHALL BE PROVIDED
- ALL STRUCTURES AFFECTED BY THE INSTALLATION SHALL BE RESTORED TO ITS ORIGINAL CONDITION,
- 6. SECURE ALL THE NECESSARY PERMITS FROM DPWH PRIOR TO IMPLEMENTATION.

PLAN (DETAILED DESIGN OF BRIDGE ATTACHMENT)

SCALE: NTS. SHEET NO.



Republika ng Pilipinas Lung and no Oueston KAGAWARAN NG INHINYERYA ICTIV ENGINEERING DEPARTMENT)

PROJECT TITLE : PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE

(151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DATE: DESIGNED BY: DRAWN BY: IAM LECTRICAL ENGINEER CHECKED BY: RDN REVISION NO.:

ENGR. LEW S. DEL ROSARIO HEAD , PLANNING & DESIGN DIVISION

SUBMITTED BY:

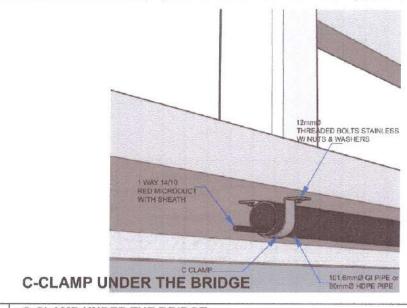
ATTY, MARK DALE PIAMOND P. PERRAL

RECOMMENDING APPROVAL:

ELEVATION (BRIDGE ATTACHMENT) HON. MA. JOSEFINA G. BELMONTE CITY MAYOR

APPROVED BY

PLAN (BRIDGE ATTACHMENT) CW-25 25 40



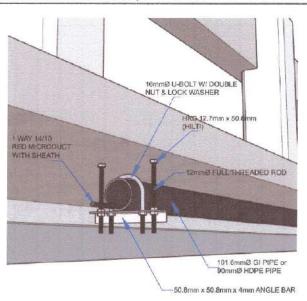
THREADED BOLTS STAINLESS W/ NUTS & BENDED FLAT BAR WASHERS 1 WAY 14/10 RED MICRODUCT WITH SHEATH 16mm@ U-BOLT W/ DOUBLE 101 6mmØ GI PIPE or 90mm0 HDPE PIPE NUT & LOCK WASHER

C-CLAMP UNDER THE BRIDGE (DETAILED DESIGN OF BRIDGE ATTACHMENT)

SCALE: NTS.

U-BOLT WITH BENDED FLAT BAR UNDER THE BRIDGE (DETAILED DESIGN OF BRIDGE ATTACHMENT)

SCALE: NTS.



HKD 12.7mm x 50.8mm 12mm@ FULL THREADED ROD. CLEVIS HANGER 1-WAY 14/10 RED MICRODUCT FULL THREADED ROD WITH SHEATH 101.6mmØ GI PIPE or

APPROVED BY

U-BOLT WITH ANGLE BAR UNDER THE BRIDGE (DETAILED DESIGN OF BRIDGE ATTACHMENT)

SCALE: NTS.

CLEVIS HANGER CLAMP UNDER THE BRIDGE (DETAILED DESIGN OF BRIDGE ATTACHMENT) RECOMMENDING APPROVAL:

SCALE: NTS. SHEET NO.

CW-26

26 40

Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DESIGNED BY: al DRAWN BY: IAM CHECKED BY: FROM LECTRICAL ONGINEER REVISION NO.:

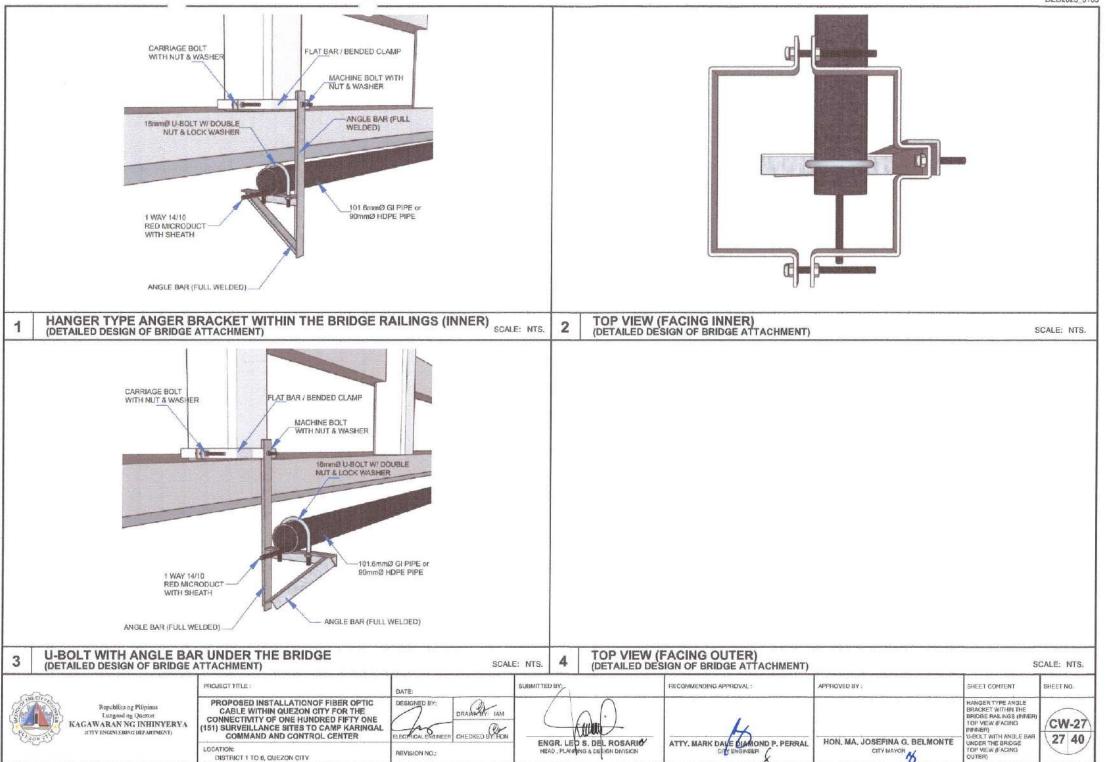
SUBMITTED BY ENGR. LEO'S, DEL ROSARIO

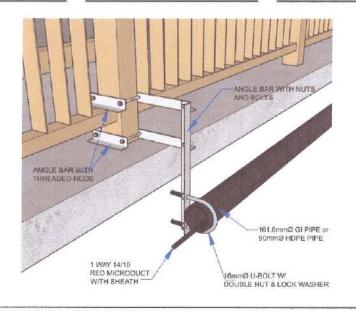
ATTY. MARK DALE DIAMOND P. PERRAL CITY ENGINEER

HON, MA. JOSEFINA G, BELMONTE

90mmØ HDPE PIPE

C-CLAMP UNDER THE J-BOLT WITH BENDED LAT BAR UNDER THE -BOLT WITH ANGLE BAR INDER THE BRIDGE CLEVIS HANGER CLAMP UNDER THE BRIDGE



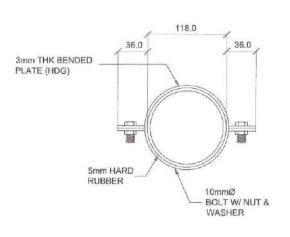


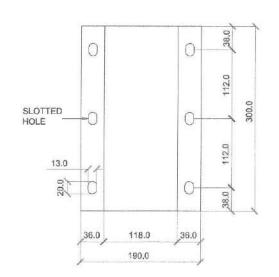
ANGLE BRACKET ATTACHED WITHIN THE BRIDGE RAILINGS (SPECIAL TYPE)
(DETAILED DESIGN OF BRIDGE ATTACHMENT)

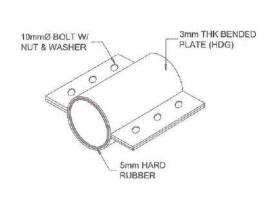
SCALE: NTS.

TOP VIEW (DETAILED DESIGN OF BRIDGE ATTACHMENT)

SCALE: NTS.







VIBRATION COUPLING DETAIL (DETAILED DESIGN OF BRIDGE ATTACHMENT)

SCALE: NTS.

THE CITY OF SERVICE STATES

Republika ng Pitipinus
Lungsod ng Quezon
KAGAWARAN NG INHINYERYA
ICITY ENGINEERING BEPARTMENTI

ROJECT TITLE :

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION: DISTRICT 1 TO 6, QUEZON CITY DESIGNED BY:

DESIGNED BY:

DRAWN BY: IAM

DRAWN BY: IAM

REVISION NO.:

ENGR. LEO S. DEL ROSARION
HEAD. PLANNING & DEPIGN DIVISION

ATTY, MARK DALE DIAMOND P, PERRAL

RECOMMENDING APPROVAL

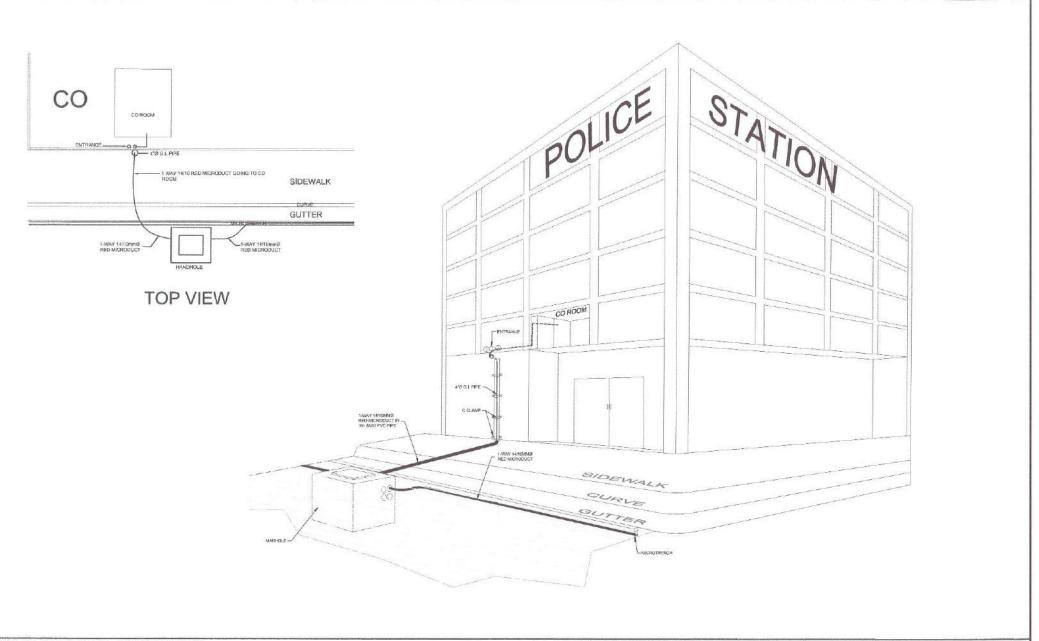
HON, MA, JOSEFINA G, BELMONTE

APPROVED BY

ANGLE BRACKET
ATTACHED WITHIN THE
BRIDGE HALINGS
(SPECIAL TYPE)
TOP YIEW
VIBRATION COUPLING
DETAIL

SHEET CONTENT

CW-28 28 40



1 HANDHOLE VIA WALL ATTACHMENT (DETAILED DESIGN OF FOC TO POLICE STATION)

SCALE: NTS



Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT) PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DESIGNED BY:

DESIGNED BY:

DRAMAN BY: IAM

ELECTRICAL CHOCKED BY: RDM

REVISION NO.:

ENGR. LED S. DEL ROSARIO,
HEAD, FLANING & DEBION DIVISION

ATTY, MARK DALE DIAMOND P, PERRAL CITY ENGINEER

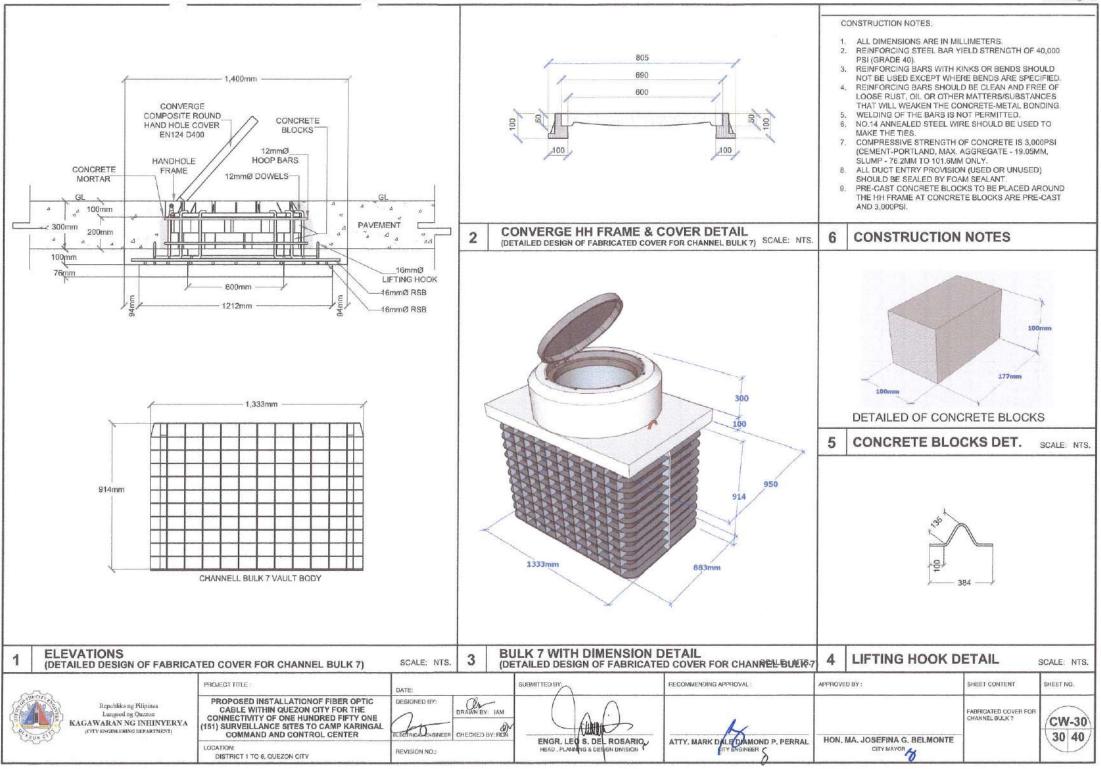
RECOMMENDING APPROVAL:

HANDHOLE VIA WALL
ATTACHMENT
HON, MA, JOSEFINA G, BELMONTE

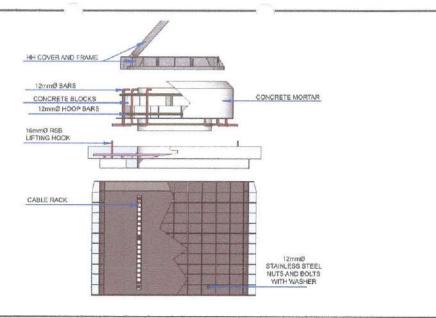
APPROVED BY

CW-29 29 40

SHEET NO.

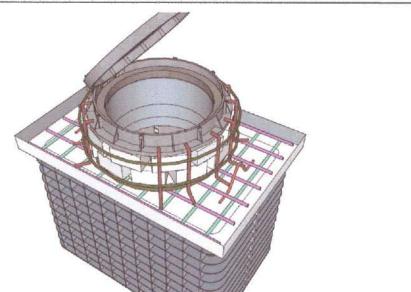


SCALE: NTS



CROSS SECTION BY PARTS (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)

SCALE: NTS



REBARS IN ISOMETRIC (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)

SCALE: NTS

RECOMMENDING APPROVAL:

PROJECT TITLE :

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY





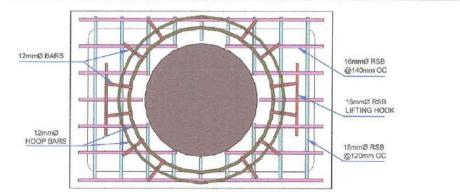
ATTY, MARK DAVE DIAMOND P. PERRAL

REPARS IN ISOMETRIC THEBOARS BY ISCANDING OF COMMERCE BY HE FRAME IS COVER AT ROAD PAVENER REBARS AT TOP VIEW BOTTOM VIEW OF LID

SHEET CONTENT

CROSS SECTION BY PARTS CW-31 31 40

CONVERGE IN HH FRAME AND COVER AT ROAD PAVEMENT (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)



REBARS AT TOP VIEW (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)

SCALE: NTS

APPROVED BY

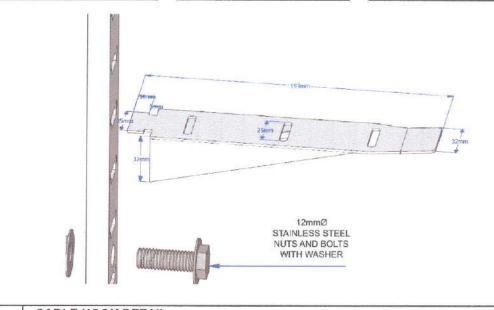
BOTTOM VIEW OF LID (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)

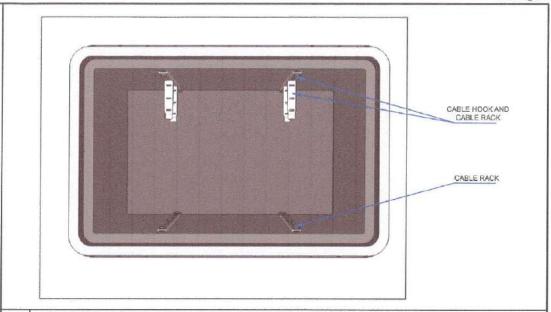
SCALE: NTS SHEET NO.



Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA

HON. MA. JOSEFINA G. BELMONTE CHYMAYOR #



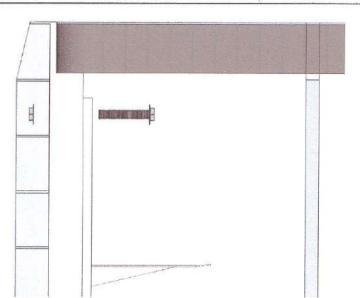


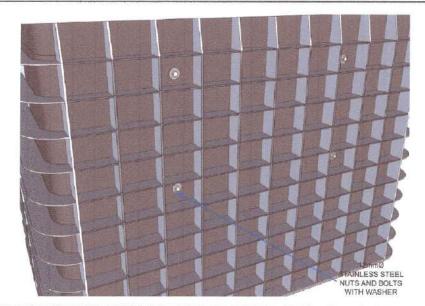
CABLE HOOK DETAIL (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)

SCALE: NTS

TOP VIEW INSIDE BODY OF BULK 7 WITH CABLE RACK AND CABLE HOOK (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)

SCALE: NTS





APPROVED BY

SIDE VIEW OF PLACING OF CABLE BRACKET AND CABLE HOOK (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)

DISTRICT 1 TO 6, QUEZON CITY

SCALE: NTS

VIEW OF NUTS AND BOLTS OUTSIDE THE BODY (DETAILED DESIGN OF FABRICATED COVER FOR CHANNEL BULK 7)

SCALE: NTS SHEET NO.

Republika ng Pilipinas Lungsod ng Quezoo KAGAWARAN NG INHINYERYA (CITY ENGINEERING BEPARTMENT)

PROJECT TITLE: PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DRAWN BY: IAM LECTRICAL ENGINEER CHECKED BY: RDN REVISION NO.

DATE:

DESIGNED BY:

SUBMITTED BY: ENGR, LEO S, DEL ROSARIO

ATTY, MARK DALE DIAMOND P. PERRAL

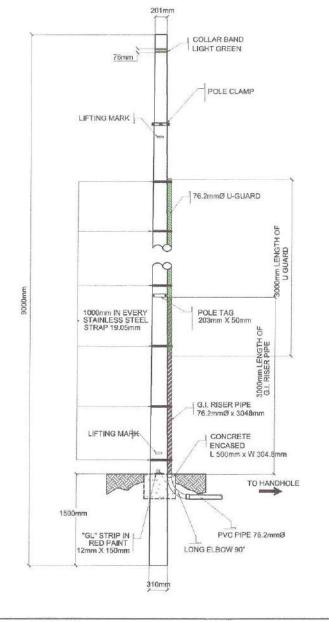
RECOMMENDING APPROVAL

HON. MA. JOSEFINA G. BELMONTE CITY MAYOR

GABLE HOOK DETAIL GREEF HOOK DETAIL
BARACKJET & CABLE HOOK
TOP VIEW OF BULK 7 WITH
CABLE RACK & CABLE HOOK VIEW OF NUTS & BOLTS OUTSIDE THE BODY

SHEET CONTENT

CW-32 32 40



CONSTRUCTION NOTES:

CONSTRUCTION NOTES:

1. BECUPE ALTH REGISSION PERMITS AT ALL CONCERNED AGENCY.

WINNERS SHOT CONFIGMINITY

TELECOMMUNICATION TRADPICES AND BULDOK! IT
THE COMMUNICATION TRADPICES AND BULDOK! IT
THE COMMUNICATION TRADPICES AND BULDOK! IT
ALL WORKS SHOW, EXCLUSIVE THE STRUCKNESS.

ALL WORKS SHOW, EXCLUSIVE AND THE STRUCKNESS.

ALL WORKS SHOW, EXCLUSIVE AND THE STRUCKNESS.

ALL WORKS SHOW IN COLOR OF THE STRUCKNESS.

BURNEY AND METAL IN A COLOR ONCE CONCENT.

FOR LANDWING WIND ACCESSORIES.

ASSISTED AS A LOCAL AND THE STRUCKNESS.

ASSISTED AS A LOCAL AND THE ACCESSORIES.

THE NATIVE MATERIAL CAN BE USED FOR BACKFILL, DEPENDING ON SITE CONDITIONS, ALTERNATIVE LIATERIALS MAY SE REQUIRED.

ELEVATION (CONVERGE POLE 9.0 RISER)

SCALE: NTS SHEET NO.



Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT)

PROJECT TITLE : PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DATE DESIGNED BY: DHAWN BY: IAM ELECTRICAL DIGINEER CHECKED BY: NON REVISION NO.

SUBMITTED, 87 ENGR, LEO S, DEL ROSARIO, HEAD, PLANNING & DESIGN DIVISION

ATTY, MARK DALE DIAMOND P. PERRAL

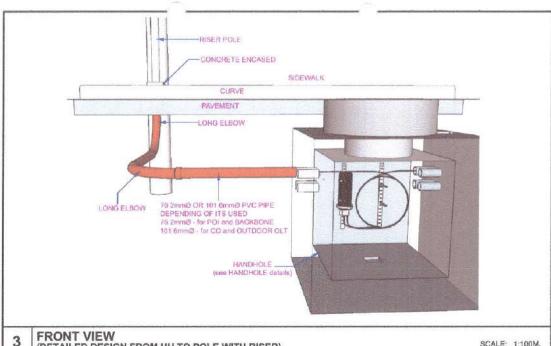
RECOMMENDING APPROVAL

CONVERGE POLE 9 & RISER HON, MA, JOSEFINA G, BELMONTE CITY MAYOR

APPROVED BY

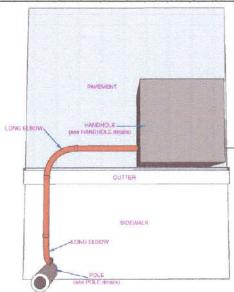
CW-33 33 40

PAVEMENT



(DETAILED DESIGN FROM HH TO POLE WITH RISER)

SCALE: 1:100M.



BOTTOM VIEW (DETAILED DESIGN FROM HH TO POLE WITH RISER)

SCALE: 1:100M.

TOP VIEW (DETAILED DESIGN FROM HH TO POLE WITH RISER)

SCALE: 1:100M. SHEET NO.

Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DATE: EDRAWN BY: IAM ELECTRICAL ENGINEER CHECKED BY: RON SUBMITTED BY: ENGR. LEG S. DEL ROSARIOL HEAD , FLAMMING & DESIGN DIVISION

ATTY. MARK DALEDIAMOND P. PERRAL

CW-34 34 40

SIDE VIEW (DETAILED DESIGN FROM HH TO POLE WITH RISER)

POLE

(see POLE details)

VARIES-

CONCRETE ENCASED

LONG ELBOW

76.2mm@ OR 101.6mm@ PVC PIPE DEPENDING OF ITS USED 76.2mmØ - for POI and BACKBONE 101 8mmØ - for CO and OUTDOOR OLT

SIDEWALK

CURVE

GUTTER

HANDHOLE (see HANDHOLE details)

RISER POLE

SCALE: 1:100M. RISER POLE-CONCRETE ENCASED PAVEMENT SIDEWALK

> RECOMMENDING APPROVAL APPROVED BY:

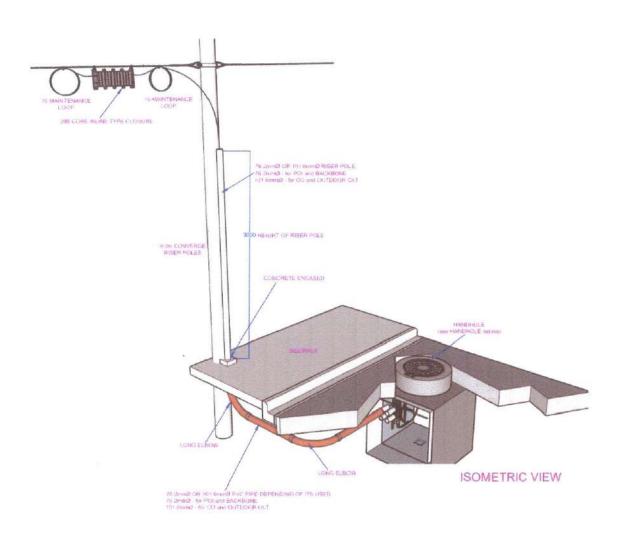
> > BOTTOM VIEW FRONT VIEW SIDE VIEW

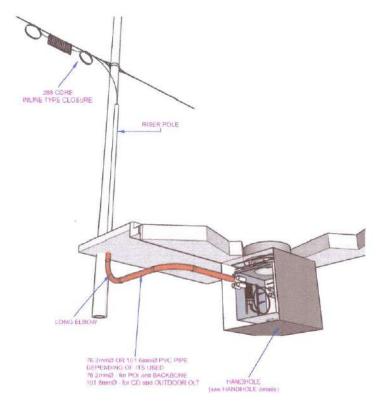
SHEET CONTENT

HON, MA, JOSEFINA G, BELMONTE CIET MAYOR &

DISTRICT 1 TO 6, QUEZON CITY

REVISION NO.





1 ISOMETRIC VIEW (DETAILED DESIGN FROM HH TO POLE WITH RISER)

SCALE: NTS

SHEET CONTENT



Republika ng Pilipinas
Laungsod ng Quezon
KAGAWARAN NG INHINYERYA
(CITY ENGINEERING DEPARTMENT)

PROPOSED INSTALLATIONOF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL
COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DATE:

DESIGNED BY:

DESIGNED BY:

DRAWN BY: IAM

ELECTRICAL ENGINEER

CHECKED BY: FIDN

REVISION NO.:

ENGR. LED S. DEL ROSARIO
HEAD, PLANTING & DESIGN DIVISION

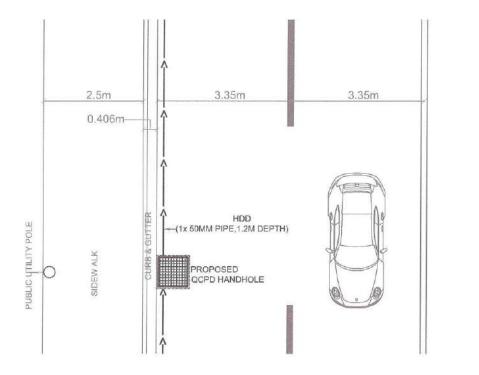
ATTY. MARK DALEDVAMOND P. PERRAL

RECOMMENDING APPROVAL:

HON, MA, JOSEFINA G, BELMONTE
CITYMAYOR #

APPROVED BY:

CW-35 35 40



1 HANDHOLE LAYOUT (TOP VIEW)
(DETAILED DESIGN OF HDD)

SCALE: NTS



Republika ng Pilipinas Lungsod ng Quezoon KAGAWARAN NG INHINYERYA (CITY ENGINEERING DEPARTMENT) PROPOSED INSTALLATION OF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL
COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DATE:

DESIGNED BY:

DRAWN BY: IAM

ELECTRICAL ENGINEER CHECKED BY: HON

REVISION NO.:

ENGR. LED S. DEL ROSARION HEAD. PLANNING A DESIGN DIVISION

ATTY, MARK DALE DIAMOND P. PERRAL

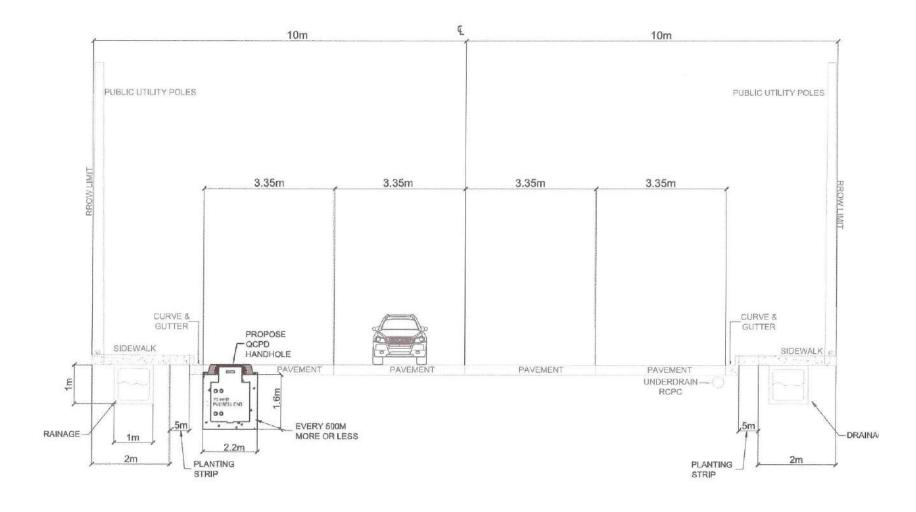
RECOMMENDING APPROVAL:

HON, MA, JOSEFINA G, BELMONTE

APPROVED BY:

PROPOSED GOPD HANDHOLE LOCATION (TOP VIEW)

CW-36
36 40



2 ELEVATION SECTION (PROPOSED QCPD HANDHOLE LOCATION)

SCALE: NTS

K.

Republika ng Pilipinus Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINEERING BEPARTMENT) PROJECT TITLE:

PROPOSED INSTALLATIONOF FIBER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL
COMMAND AND CONTROL CENTER

LOCATION:
DISTRICT + TO 6, QUEZON CITY

DATE:

DESIGNED BY:

DRAWN BY: IAM

BLECTRICAL ENGINEER CHECKED BY: REN

REVISION NO.:

ENGR. LEGS. DEL ROSARIO,
HEAD, PLANNING & DESERVI DIVISION

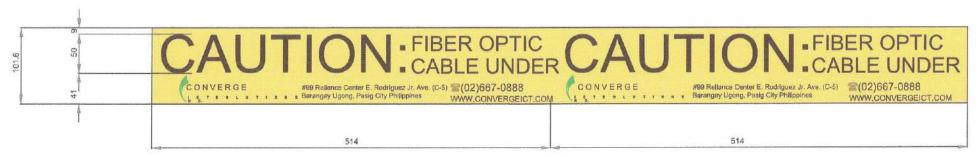
ATTY, MARK DALE DIAMOND P. PERRAL

RECOMMENDING APPROVAL

HON. MA. JOSEFINA G. BELMONTE
GITY MAYOR

APPROVED BY :

CW-37 37 40



NOTES:

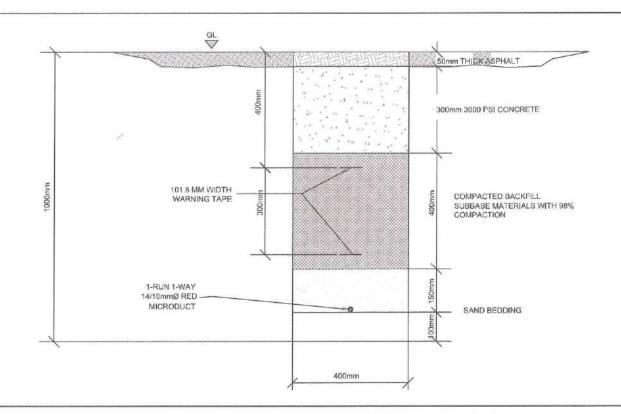
1. ALL DIMENSIONS ARE IN MILLIMETER

1. ALL DIMENSIONS ARE IN MILLIMETER

2. ARIAL NARROW USED IN BIG FONT(CAUTION:) WHILE REGULAR ARIAL USED IN (FIBER OPTIC CABLE UNDER)

WARNING TAPE DETAILS (OPEN TRENCH)

SCALE: NTS



TRENCHING DETAIL (OPEN TRENCH)

SCALE: NTS

SHEET NO.



Republika ng Pilipinas Lungsod ng Quezon KAGAWARAN NG INHINYERYA ICITY ENGINEERING DEPARTMENT)

PROJECT TITLE :

PROPOSED INSTALLATIONOF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY ONE (151) SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY

DESIGNED BY:

DATE:

REVISION NO.:

DRAWN BY: IAM

ELECTRICAL ENDINEER CHECKED BY HON

SUBMITTED BY

ENGR. LEO S. DEL ROSARIO

ATTY, MARK DALE MAMOND P. PERRAL CAY ENGINEER

RECOMMENDING APPROVAL:

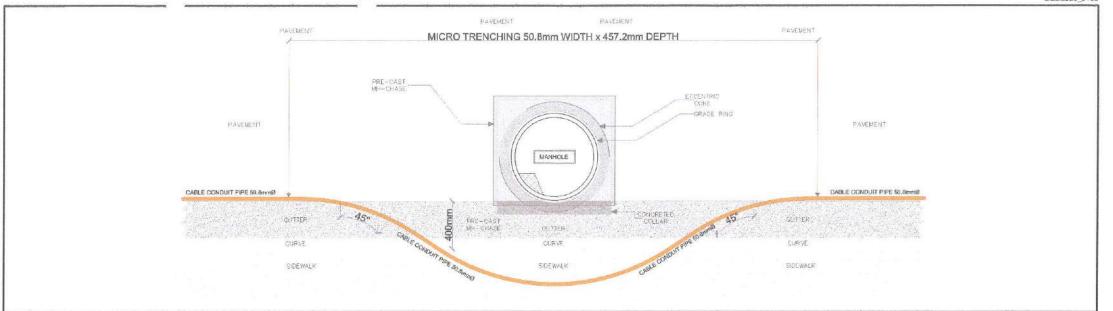
HON. MA. JOSEFINA G. BELMONTE

APPROVED BY:

TRENCHING DETALS WARNING TAPE DETAILS

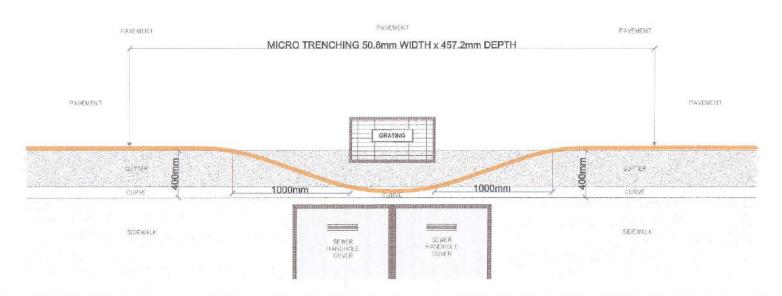
SHEET CONTENT

CW-38 38 40



MANHOLE/HANDHOLE OBSTRUCTION ALONG THE TRENCHLINE (METHOD OF TRENCHING & OTHER EXCAVATION METHODS)

SCALE: NTS



STEEL GRATING ALONG GUTTER (METHOD OF TRENCHING & OTHER EXCAVATION METHODS)

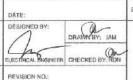
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Republika ng Pilipinsas Lungsod ng Quezon KAGAWARAN NG INHINYERYA (CITY ENGINTERNG DEPARTMENT) PROJECTITILE:

PROPOSED INSTALLATIONOF FISER OPTIC
CABLE WITHIN QUEZON CITY FOR THE
CONNECTIVITY OF ONE HUNDRED FIFTY ONE
(151) SURVEILLANCE SITES TO CAMP KARINGAL
COMMAND AND CONTROL CENTER

DISTRICT 1 TO 6, QUEZON CITY





	100
	18
ATTY, M	ARK DALE DIAMOND P, PERRAL

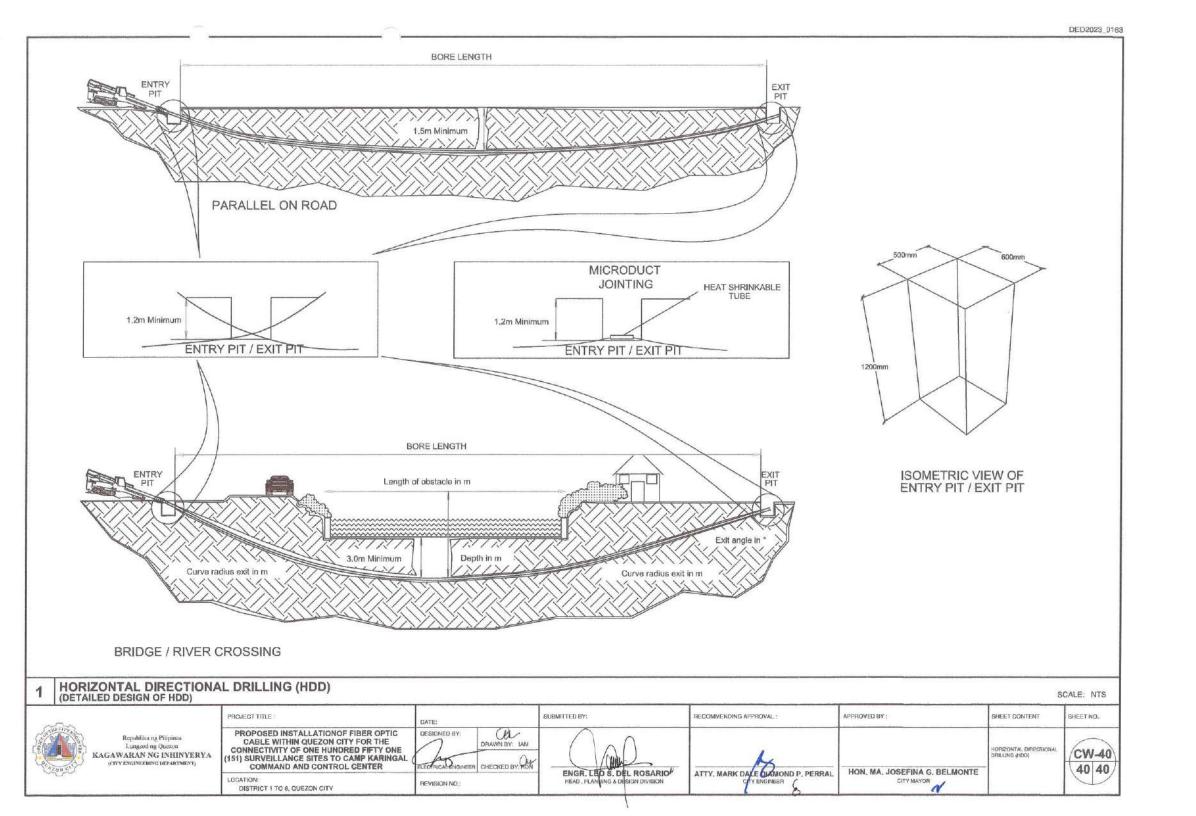
RECOMMENDING APPROVAL

MANIFOLEFANDHO OSSTRUCTION AND TRENGHLINE STEEL GRATING AL GUTTER HON, MA, JOSEFINA G, BELMONTE

APPROVED BY :



SHEET CONTENT



Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

- a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

- a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.
- b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

PROJECT TITLE: PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY-ONE (151)

SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION : VARIOUS BARANGAYS, DISTRICT 5, QUEZON CITY

PROJECT NO. : 23 - 00118

DURATION: Seven Hundred Twenty (720) Calendar Days

BREAKDOWN OF COST

ITEM NO.	DESCRIPTION	ESTIMATED DIRECT	TO	TAL MARK-UP	VAT	TOTAL INDIRECT COST	TOTAL COST
	DESCRIPTION	COST	%	VALUE			IOIAL COSI
PART I	OTHER GENERAL REQUIREMENTS						
PART II	ELECTRICAL WORKS						
	TOTAL OF PART II						
	TOTAL						

TOTAL COST P_____

LUMP SUM BID IN WORDS :				
Contractor :				

Page 3 of 3

Bid Form

BILL OF QUANTITIES

(Building Construction/Rehabilitation Project)

PROJECT TITLE: PROPOSED INSTALLATION OF FIBER OPTIC CABLE WITHIN QUEZON CITY FOR THE CONNECTIVITY OF ONE HUNDRED FIFTY-ONE (151)

SURVEILLANCE SITES TO CAMP KARINGAL COMMAND AND CONTROL CENTER

LOCATION : VARIOUS BARANGAYS, DISTRICT 5, QUEZON CITY

PROJECT NO. : 23 - 00118

DURATION : Seven Hundred Twenty (720) Calendar Days

ITEM CODE	DESCRIPTION	QUANTITY	/ UNIT	ESTIMATED DIRECT	MARK-UP IN %		TOTAL MARK-UP		VAT	TOTAL INDIRECT	TOTAL COST	UNIT COST
I I EW CODE	DESCRIPTION	QUANTITY	UNIT	COST	OCM	PROFIT	%	VALUE	VAI	COST	TOTAL COST	UNII COST
PART I	OTHER GENERAL REQUIREMENTS											
B.5	Project Billboard / Sign Board	1	ea									
B.7(1)	Occupational Safety and Health	24	mo									
	TOTAL OF PART II											
PART II	ELECTRICAL WORKS											
1105 (20)	Network Cabling	1	l.s									
1111	Hand Hole Casing with Cover	1	l.s									
1111	Microduct Trench	1	l.s									
1111	Concrete Pole with Accessories	1	l.s									
	TOTAL OF PART II											
	GRAND TOTAL											

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary "pass/fail" criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Leg	al Do	<u>cuments</u>
	(a)	Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
	(b)	and Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;
	(c)	and Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas; and
	(e)	Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).
Tec	hnica	l Documents
	(f)	Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (please see attached prescribed forms required by the QC – BAC for Infrastructure
	(g)	and Consultancy); <u>and</u> Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules with an attached Notice of Award, Notice to Proceed, Contract and Certificate of Acceptance (please see attached prescribed form required by the QC – BAC
П	(h)	for Infrastructure and Consultancy); and Philippine Contractors Accreditation Board (PCAB) License;
	(i)	or Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
	(j)	Original copy of Notarized Bid Securing Declaration; and Project Requirements, which shall include the following: a. Organizational chart for the contract to be bid;
		b. List of contractor's key personnel (<i>e.g.</i> , Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data (<i>please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy</i>);
		c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment

lessor/vendor for the duration of the project, as the case may be (please see attached prescribed form required by the QC - BAC for Infrastructure and Consultancy); and Original duly signed Omnibus Sworn Statement (OSS); \sqcap (k) and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder. Additional Technical Requirements: Certificate of Site Inspection or Affidavit of Site Inspection as part of **Omnibus Sworn Statement** • Affidavit of Undertaking for Key Personnel and Equipment (please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy) ■ • Equipment Utilization Schedule ■ • Manpower Schedule Construction Schedule and S-Curve \square • PERT-CMP □ • Construction Methods Financial Documents The prospective bidder's audited financial statements, showing, among others, (1) the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; and The prospective bidder's computation of Net Financial Contracting Capacity П (m) (NFCC) (please see attached prescribed form required by the QC – BAC for Infrastructure and Consultancy). Class "B" Documents If applicable, duly signed joint venture agreement (JVA) in accordance with \square (n) RA No. 4566 and its IRR in case the joint venture is already in existence; <u>or</u> duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful. II. FINANCIAL COMPONENT ENVELOPE (o) Original of duly signed and accomplished Financial Bid Form; and Other documentary requirements under RA No. 9184

rentals used in coming up with the Bid; and

Cash Flow by Quarter.

П

(p)

(q)

(r)

Original of duly signed Bid Prices in the Bill of Quantities; and

Duly accomplished Detailed Estimates Form, including a summary shee indicating the unit prices of construction materials, labor rates, and equipmen

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM	
Date : Project Identification No. :	

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: [insert name of contract];
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- The total price of our Bid in words and figures, excluding any discounts offered below is: [insert information];
- d. The discounts offered and the methodology for their application are: [insert information];
- e. The total bid price includes the cost of all taxes, such as, but not limited to: [specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of [insert percentage amount] percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

¹ currently based on GPPB Resolution No. 09-2020

- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
- We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name:	
Legal Capacity:	
Signature:	
Duly authorized to sign the Bid for and behalf of:	
Date:	

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)	
CITY OF) S.S.

BID SECURING DECLARATION Project Identification No.: [Insert number]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
- 2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
- 3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)				
CITY/MUNICIPALITY OF) S.S.			

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. [Select one, delete the other:]

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

- 3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. [Select one, delete the rest:]

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project

Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- 9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- 10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.
- 11. We pledge that the project will be completed in accordance and congruency with the approved plans and programs.

N WITNESS WHEREOF, I have hereunto set my hand this _	_ day of	20	_ at
, Philippines.			

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this [insert date] day of [insert month], [insert year] between [name and address of PROCURING ENTITY] (hereinafter called the "Entity") and [name and address of Contractor] (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute [name and identification number of contract] (hereinafter called "the Works") and the Entity has accepted the Bid for [contract price in words and figures in specified currency] by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
- 2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:
 - a. Philippine Bidding Documents (PBDs);
 - Drawings/Plans:
 - ii. Specifications;
 - iii. Bill of Quantities:
 - iv. General and Special Conditions of Contract;
 - v. Supplemental or Bid Bulletins, if any:
 - b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and
- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.
- In consideration for the sum of [total contract price in words and figures] or such
 other sums as may be ascertained, [Named of the bidder] agrees to [state the
 object of the contract] in accordance with his/her/its Bid.

The [Name of the procuring entity] agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature] [Insert Name and Signature]

[Insert Signatory's Legal Capacity] [Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity] [Insert Name of Supplier]

<u>Acknowledgment</u>

[Format shall be based on the latest Rules on Notarial Practice]

LIST OF ALL ON-GOING GOVERNMENT AND PRIVATE CONTRACTS

NAME OF CONTRACTOR:	
---------------------	--

PROJECT TITLE					CONTRACTOR'S ROLE (SOLE CONTRACTOR, SUBCONTRACTOR,	TOTAL	DATE OF	TOTAL CONTRACT	PERCE	NTAGE	
(Name of the Contract) & EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	PARTHNER IN A JV) and PERCENTAGE OF PARTICIPATION	CONTRACT VALUE AT AWARD	COMPLETION or ESTIMATED COMPLETION TIME	VALUE AT COMPLETION IF APPLICABLE	ACTUAL ACCOMPLISHMENT	PLANNED ACCOMPLISHMENT	VALUE OF OUTSTANDING WORKS (IN PHP)

									TOTAL AMOUNT OUTSTANDING V		

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

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LIST OF ALL AWARDED BUT NOT YET STARTED GOVERNMENT AND PRIVATE CONTRACTS OF THE BIDDER NAME OF CONTRACTOR: PROJECT TITLE: _____ ROLE OF BIDDER IN THE NAME AND ADDRESS CONTRACT PRICE MAJOR SCOPE OF WORKS & DATE DATE OF SCHEDULED **CONTRACT SOLE** PROJECT TITLE & EXACT LOCATION STARTED OF PROJECT OWNER (PHP) AS AWARDED COMPLETION **CONTRACTOR / SUB-**CONTRACTOR/PARTNER IN A TOTAL AMOUNT OF CONTRACT (Php)

PHOTOCOPY ADDITIONAL FORMS, IF NECESSARY

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NAME OF CONTRACTOR: PROJECT TITLE:

PROJECT TITLE (Name of the Contract) & EXACT PROJECT LOCATION	DATE OF CONTRACT	CONTRACT DURATION	PROJECT OWNER & POSTAL ADDRESS	NATURE OF WORK	CONTRACTOR'S ROLE (SOLE CONTRACTOR, SUBCONTRACTOR, PARTHNER IN A JV) and PERCENTAGE OF PARTICIPATION	TOTAL CONTRACT VALUE AT AWARD	DATE OF COMPLETION or ESTIMATED COMPLETIONTIME	TOTAL CONTRACT VALUE AT COMPLETION IF APPLICABLE

D	
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LIST OF MAJOR EQUIPMENT TO BE USED FOR THE PROJECT

NAME OF CONTRACTOR:			
PROJECT TITLE:			

DESCRIPTION / CAPACITY	SERIAL NO.	YEAR ACQUIRED	PRESENT LOCATION (SPECIFIC ADDRESS)	STATUS OF AVAILABILITY (OWNED/LEASED)

D		
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A. LIST OF KEY CONSTRUCTION PERSONNEL TO BE ASSIGNED TO THE PROJECT

NAME OF CONTRACTOR:	
PROJECT TITLE:	

NAME	POSITION	AGE	EDUCATIONAL ATTAINMENT	TYPE OF CONSTRUCTION EXPERIENCE	NO.OF YEARS WITH THE CONTRACTOR	PROFESSION	PRC NO.

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COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY (NFCC)

NAME OF BIDDER:		-		
	CURRENT ASSETS*		PHP	
	(LESS) CURRENT LIABILITIES*	(LESS)	PHP	
	NETWORTH		PHP	
	NETWORTH x 15	x 15	PHP	
	(LESS) VALUE OF ALL OUTSTANDING ON-GOING CONTRACTS**	(LESS)	PHP	
	(LESS) VALUE OF ALL AWARDED BUT NOT YET STARTED CONTRACTS AS OF DATE**	(LESS)	PHP	
	NET FINANCIAL CONTRACTING CAPACITY		PHP	

NOTES:

^{*} CURRENT ASSETS AND LIABILITIES BASED ON AUDITED FINANCIAL STATEMENT FOR THE PRECEDING CALENDAR YEAR SUBMITTED TO B.I.R.

^{**} BASED ON LIST OF ON-GOING AND AWRDED BUT NOT YEY STARTED CONTRACTS SUBMITTED

REPUBLIC OF THE PHILIPPINES)	
) S. S.	
AFFIDAVIT OF UNDER	RTAKING
I,, of legal REPRESENTATIVE]	age, Filipino,
with office address at	after
having been duly sworn to in accordance with law, hereby	voluntary depose and state:
That I am duly authorized representative of the _I undertaking as evidenced by Secretary's Certificate	Name of Bidderto execute this and Board Resolution.
That[Name of Bidder]bidding for the (Nam	ne of Project)
That relative to the aforementioned Project, the[that the equipment to be use and the key personnel will only perform to the said project until its comple	to be assign shall exclusively be used and
That I am executing this affidavit to attest to the trul with the submission of the technical requirements for	th of the foregoing and in compliance or the public bidding of the said project.
IN WITNESS HEREOF, I have hereunto signed of	d my name below this day
AFFIANT FURTHER SAYETH NAUGHT.	
	Affiant
SUBSCRIBED AND SWORN TO BEFORE ME this	s day of
affiant exhibiting to me his/heron	issued at
Doc. No. ;	
Page No. ;	
Book No. ;	
Series of 2020	Notary Public

