SMC INFRASTRUCTURE
MRT 7
SMC MASS RAIL TRANSIT 7 INC.

PRE-BID MEETING FOR THE SUPPLY, DELIVERY, INSTALLATION, INTEGRATION, AND TESTING AND COMMISSIONING OF MRT-7 STATIONS AND DEPOT ELECTRONICS NETWORKS

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Agenda

1. Project Overview
2. Scope of Works
3. Technical Requirements
4. Commercial Requirements
5. Site Inspection

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Project Overview

The SMC MRT7 is currently looking for a System Integrator who specializes in Fire Detection and Alarm Systems (FDAS) and Access Control Systems (ACS) integration.

The System Integrator will facilitate the overall integration of the Station and Depot Building FDAS and ACS systems, including the supply and installation of cables, equipment, workstations, servers, furniture's and other accessories at the Depot Administration Building Operations and Control Center (OCC) to complete a functional system.

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Project Overview

The objective of this integration project is to establish a **unified platform for centralized monitoring and operational control** of all MRT7 Stations and Depot Buildings **Fire Detection and Alarm Systems and Access Control Systems.**

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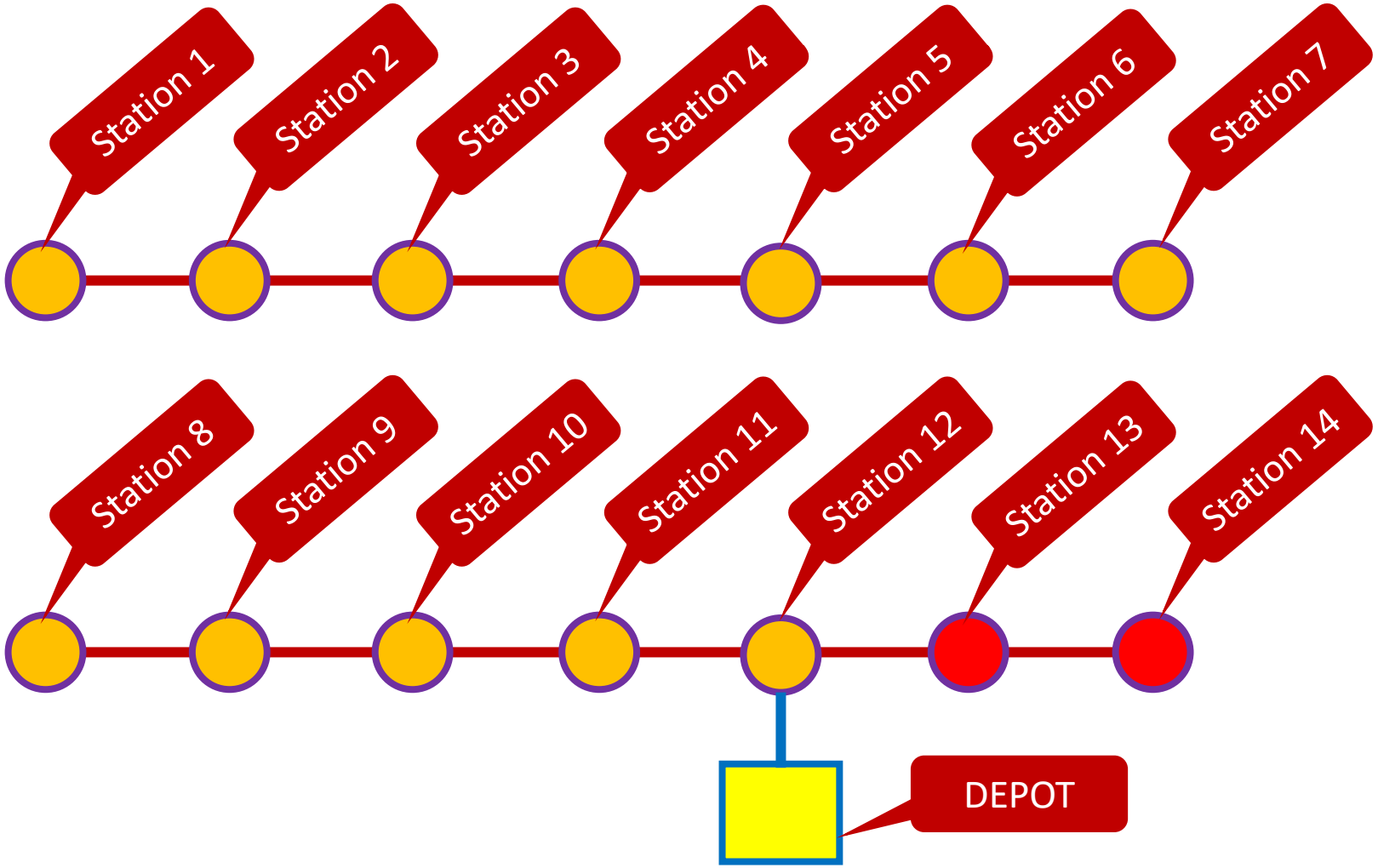
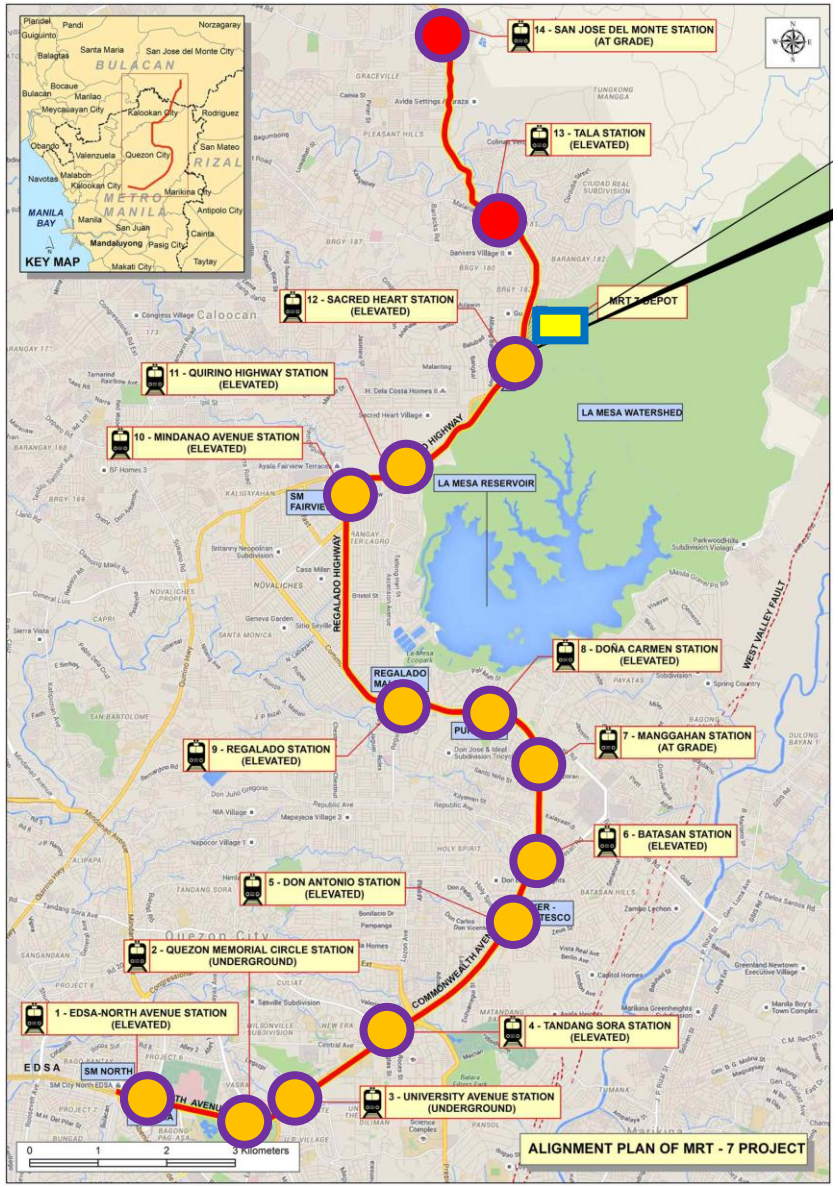
MRT7 Alignment





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Project Overview

List of MRT 7 Stations

Structure	Station Number	Station Name	Platform Type
Elevated	1	North Avenue	Side
Depressed	2	Quezon Memorial	Center
Depressed	3	University	Side
Elevated	4	Tandang Sora	Side
Elevated	5	Don Antonio	Side
Elevated	6	Batasan	Side
At grade	7	Manggahan	Center
Elevated	8	Dona Carmen	Side
Elevated	9	Regalado	Side
Elevated	10	Mindanao	Side
Elevated	11	Quirino	Side
Elevated	12	Sacred Heart	Side
Elevated	13	Tala	Side
Elevated	14	San Jose del Monte	Side

Project Overview

1. Fire Alarm and Detection System (FDAS) Network

-refers to a network of interconnected FDAS equipment from Stations and Depot Buildings.

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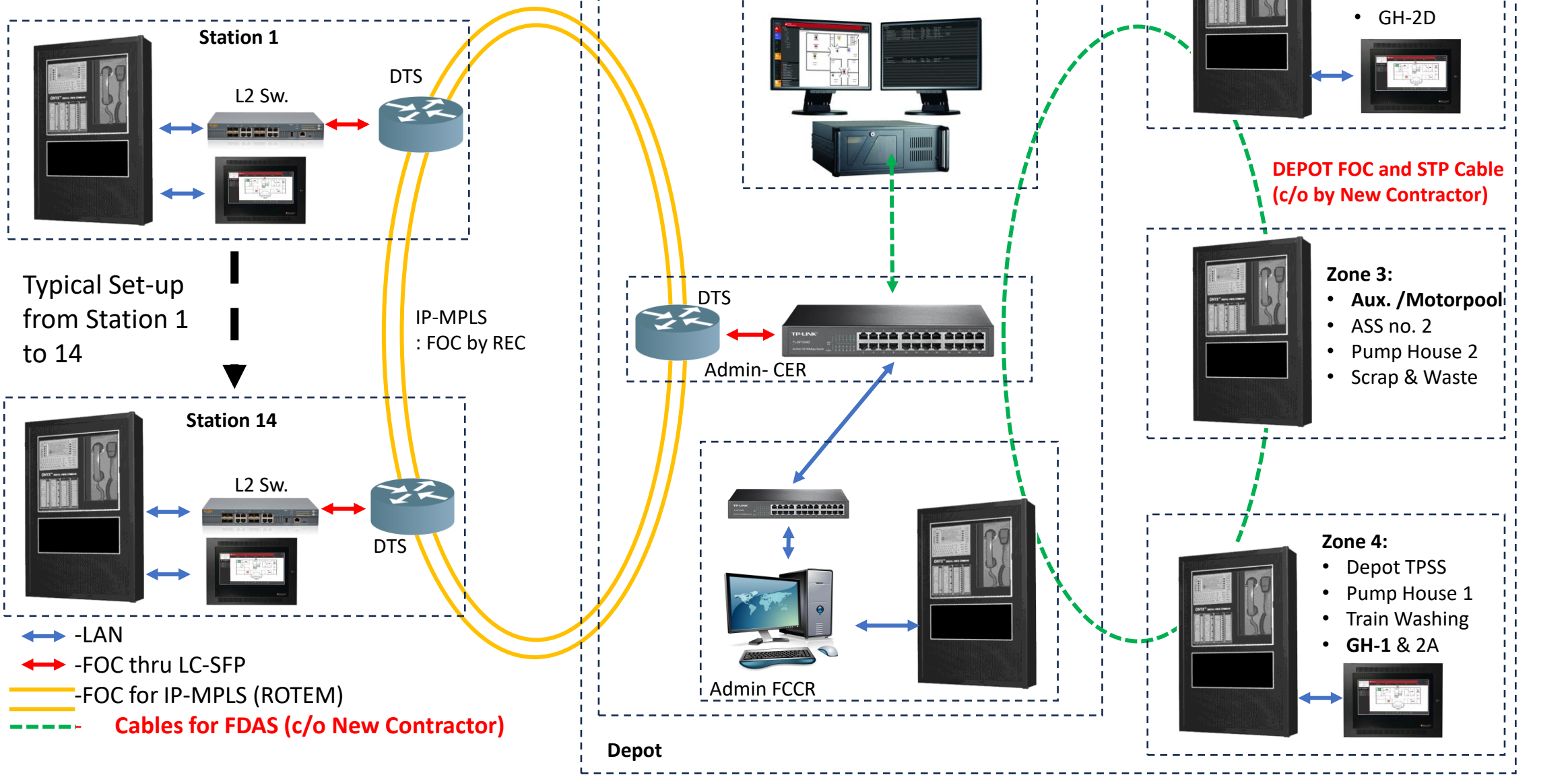
Phase 1

MRT7 FDAS Network Concept Design



Project Overview

2. Access Control System (ACS) Network

-refers to a network of interconnected ACS equipment from Stations and Depot Buildings.

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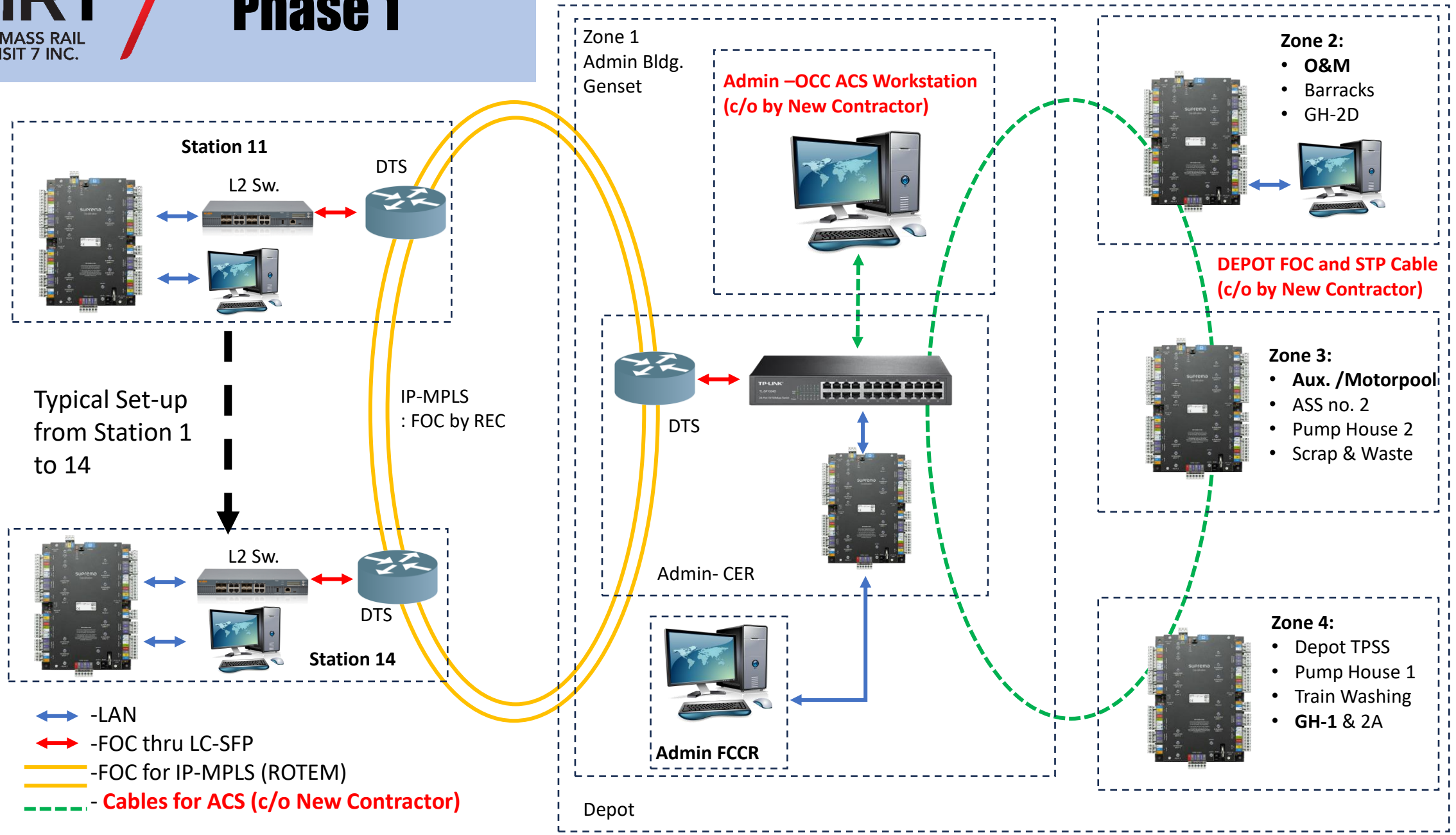
Phase 1

MRT7 ACS Network Concept Design



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Work Phases

Since the completion timelines of the Station and Depot facilities varies, the design team has divided the implementation into two phases.

Phase 1: Station to Depot Admin OCC Integration

Phase 2: Depot Buildings to Depot Admin FCCR Integration

Work Phases

Phase 1: Station to Depot Admin OCC Integration

This phase covers the integration of Fire Detection and Alarm System (FDAS), and the Access Control System (ACS) from various MRT7 Stations going to the Operation and Control Center (OCC) located at the Depot Administration Building. The purpose of this integration is to ensure seamless communication, coordinated response, and centralized monitoring and control between the Station and Depot to enhance safety and operational efficiency

1. Creation and submission of comprehensive design drawings based on the proposed products.
2. Supply and Installation of Workstation Computers, Server, Fire Alarm and Access Control System Monitoring software's, furniture's, and other accessories to complete the system at the Operation and Control Center (OCC) for Depot Building and MRT7 Stations overall monitoring.
3. Supply and installation of required network interface card and or other required media converter and gateways including software's for the system integration.
4. Supply and installation of Control and Communication Cable including related accessories to complete the system
5. Supply and installation of Power Supply Cables including Conduit and Boxes and other related accessories to complete the system.
6. Table and Chairs
7. Testing and Commissioning

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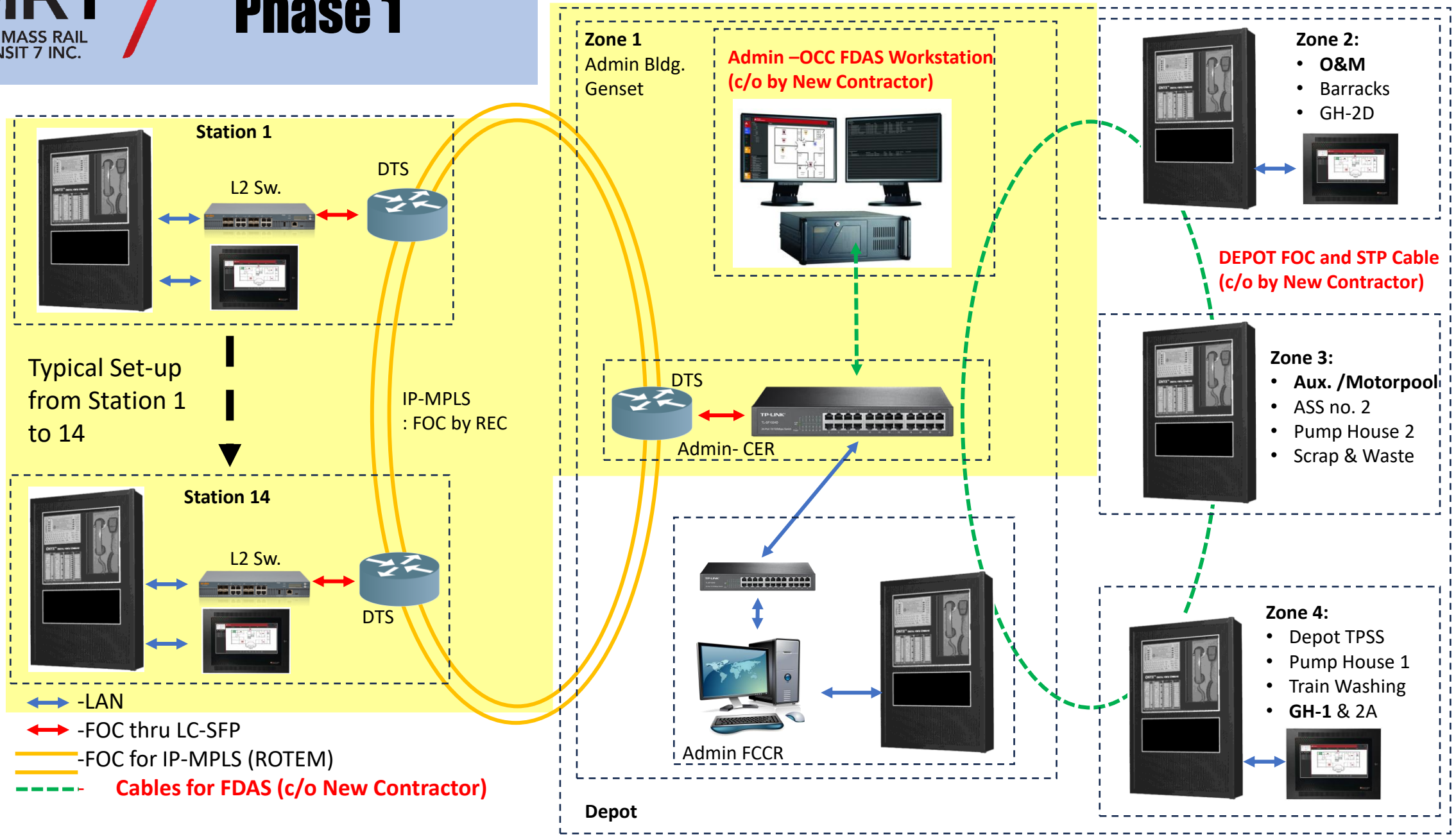
Phase 1

MRT7 FDAS Network Concept Design



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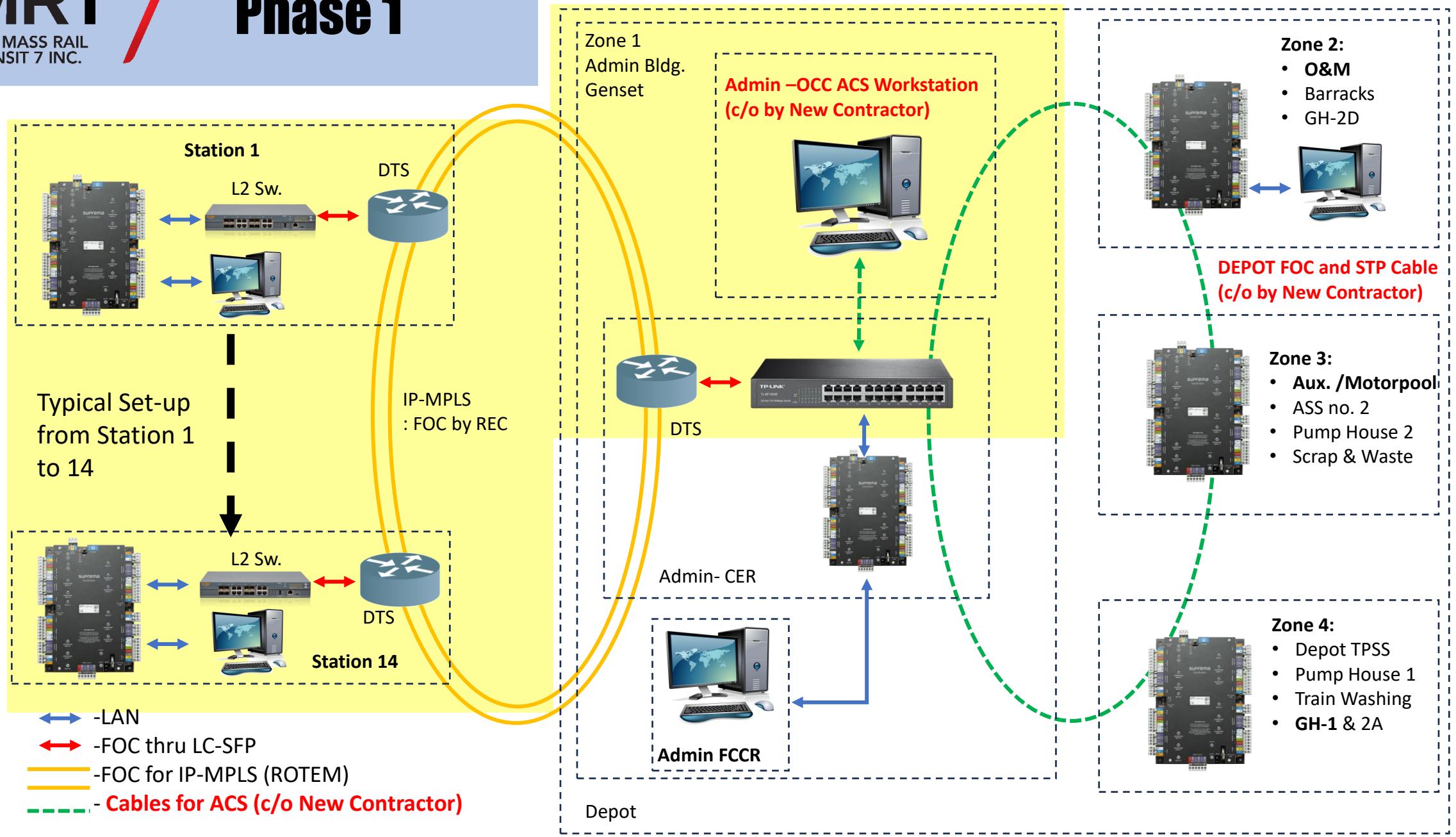
Phase 1

MRT7 ACS Network Concept Design



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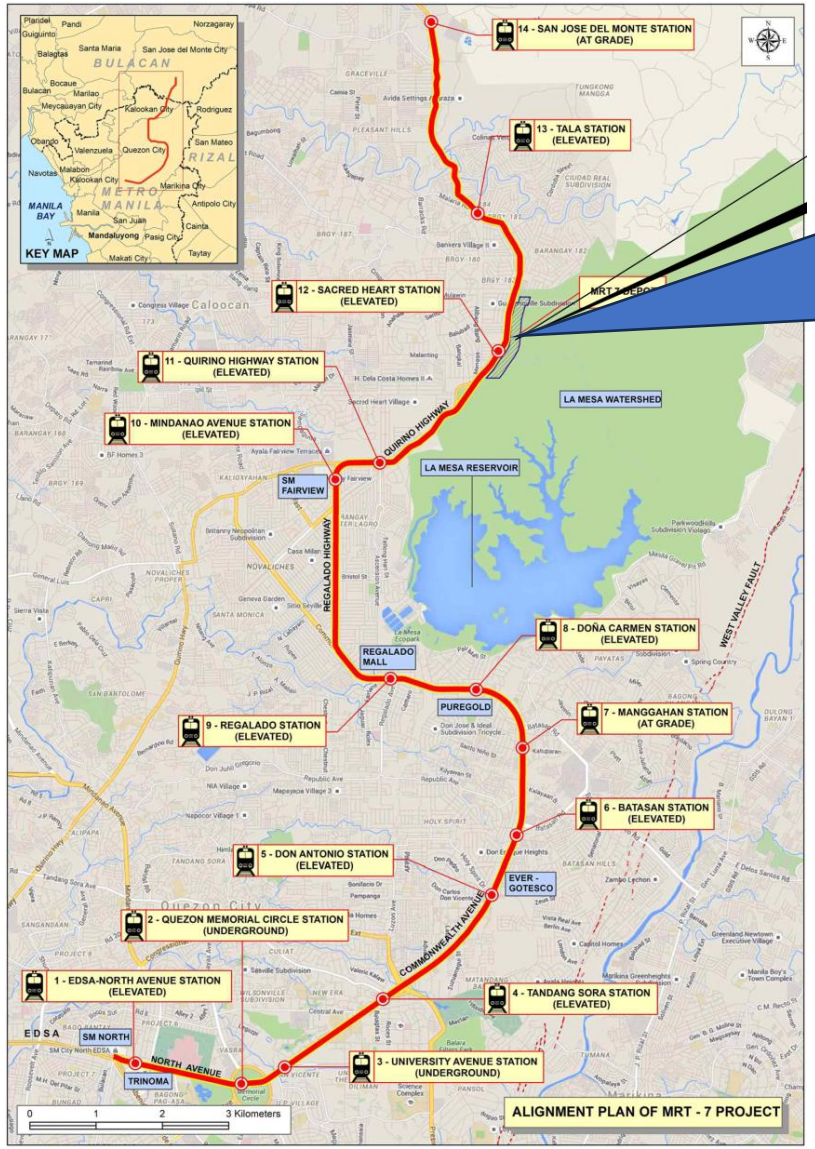
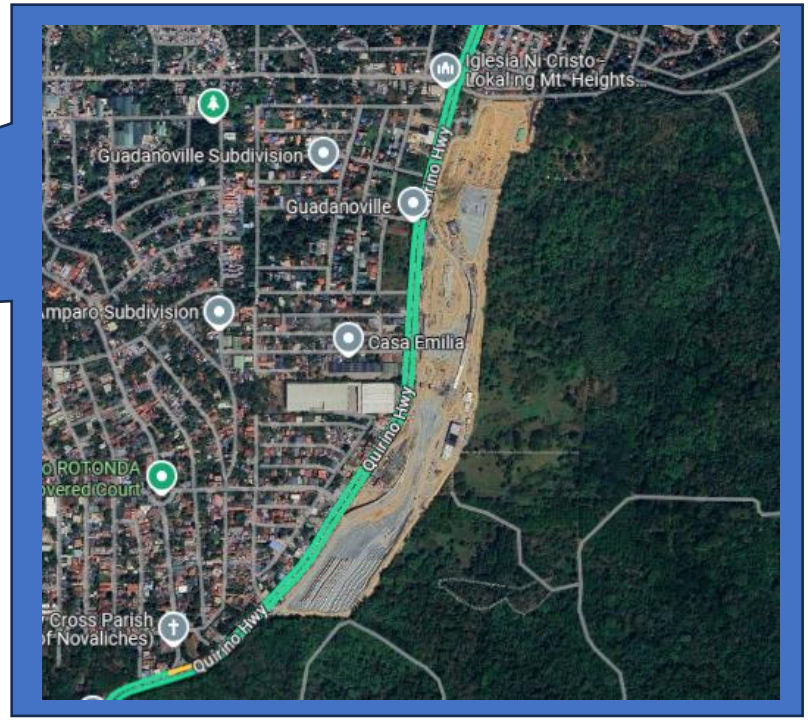
MRT7 Depot Location





Project Location

SMC MRT Line 7 Depot, Quirino Hwy, Brgy. Greater Lagro, District 5, Quezon City, 1118 Metro Manila.

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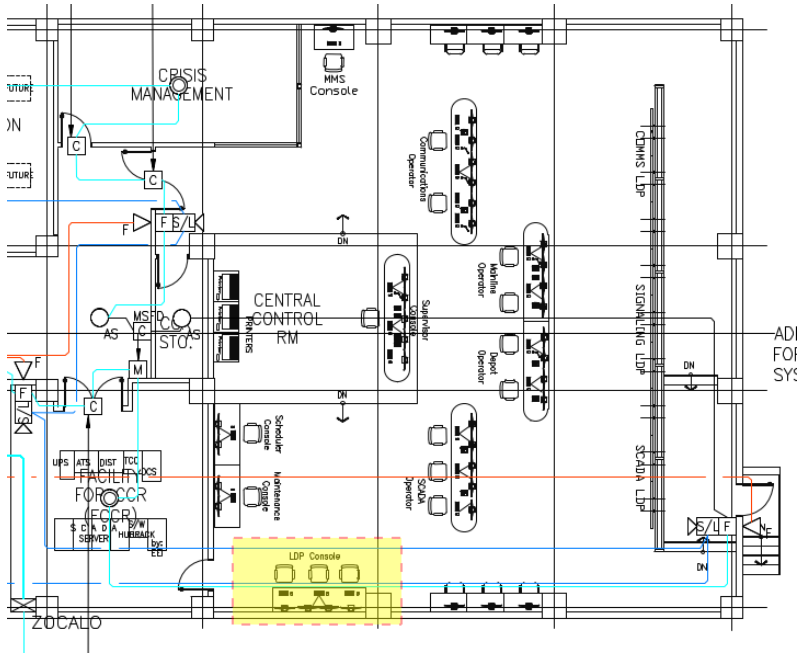
Phase 1

Overall Workstation Computer Location



The Stations and Depot Buildings FDAS and ACS Overall workstation computers are located in the OCC of the Administration Building.

Work Phases

Phase 2: Depot Buildings to Depot Admin FCCR Integration

This phase covers the integration of the Fire Detection and Alarm System (FDAS) and the Access Control System (ACS) from the various buildings within the Depot compound, connecting them to the Fire Command Center Room (FCCR) located at the Depot Administration Building. The objective of this integration is to establish a centralized monitoring and control system for the entire Depot compound, thereby enhancing overall safety, coordination, and operational efficiency.

1. Creation and submission of comprehensive design drawings based on the proposed products.
2. Supply and installation of Fiber Optic Cables (FOC), and Shielded Twisted Pair (STP) Cables.
3. Supply and Installation of conduit, boxes, and hangers and support as required.
4. Supply and installation of required network interface card and or other required media converter including software's not included in the scope of Civil Contractor but required to complete the system.
5. Networking and configuration for the system integration.
6. Table and Chairs
7. Testing and Commissioning

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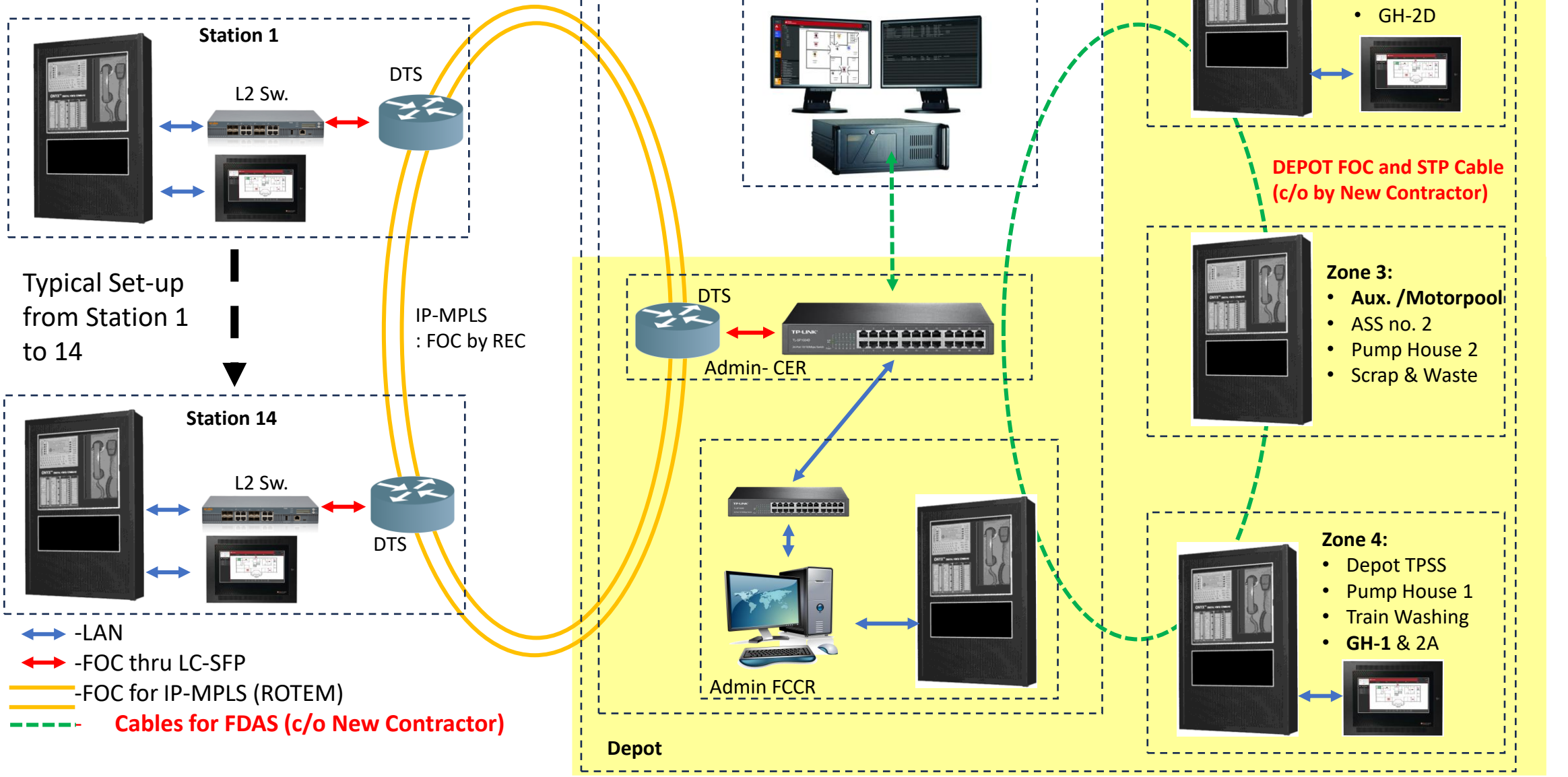
Phase 2

MRT7 FDAS Network Concept Design



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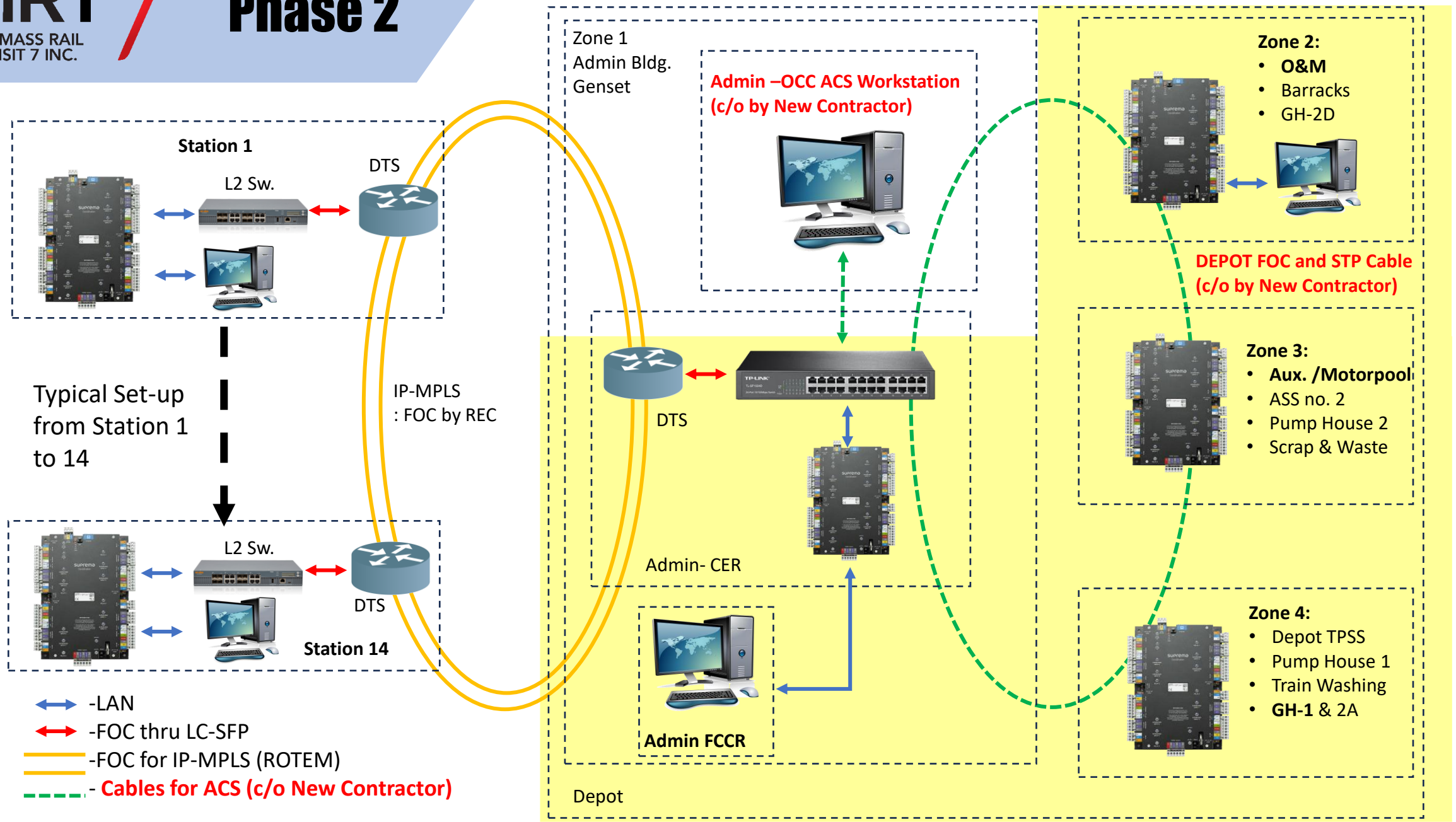
Phase 2

MRT7 ACS Network Concept Design



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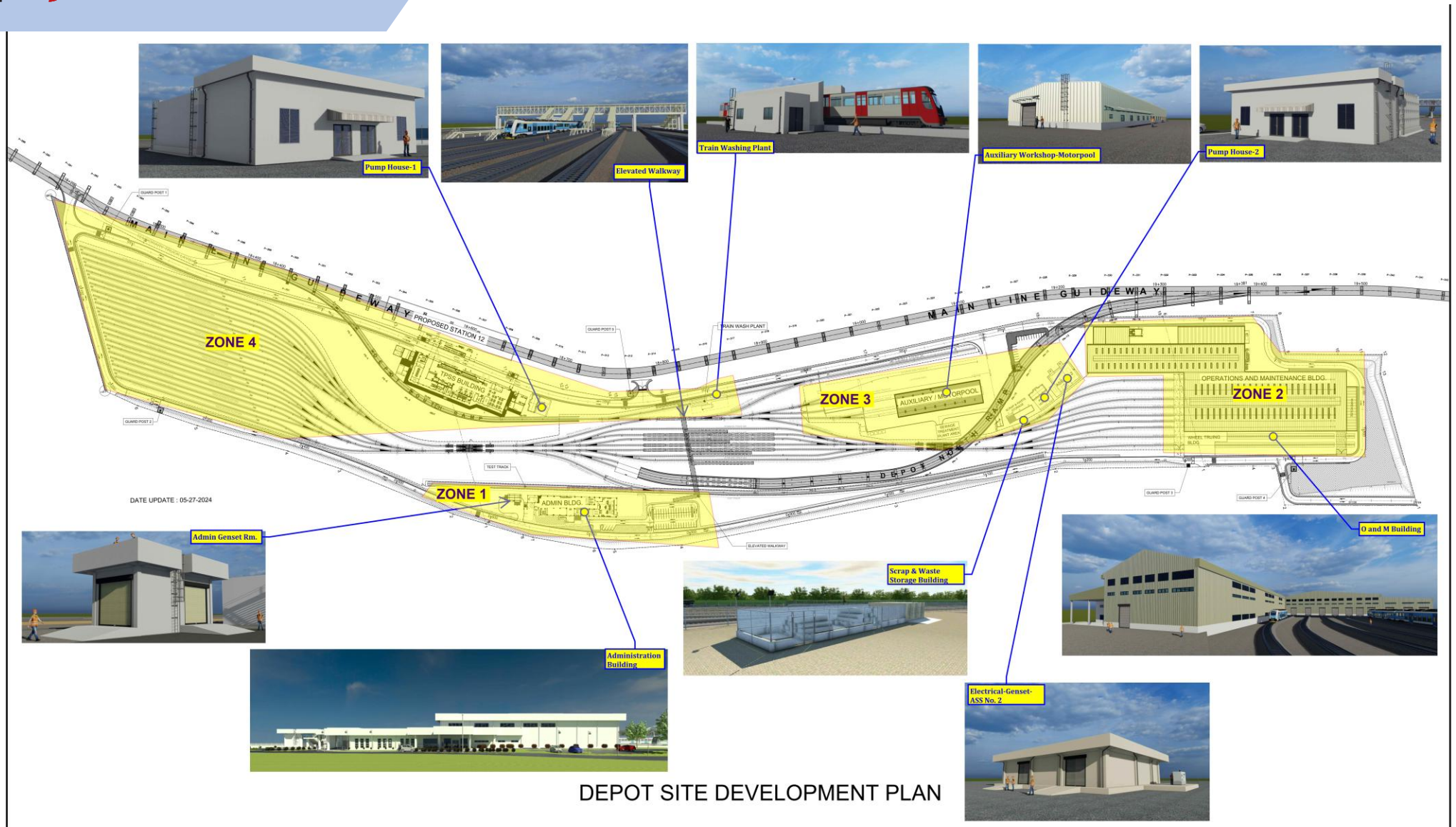
Phase 2

Depot Compound



DEPOT SITE DEVELOPMENT PLAN

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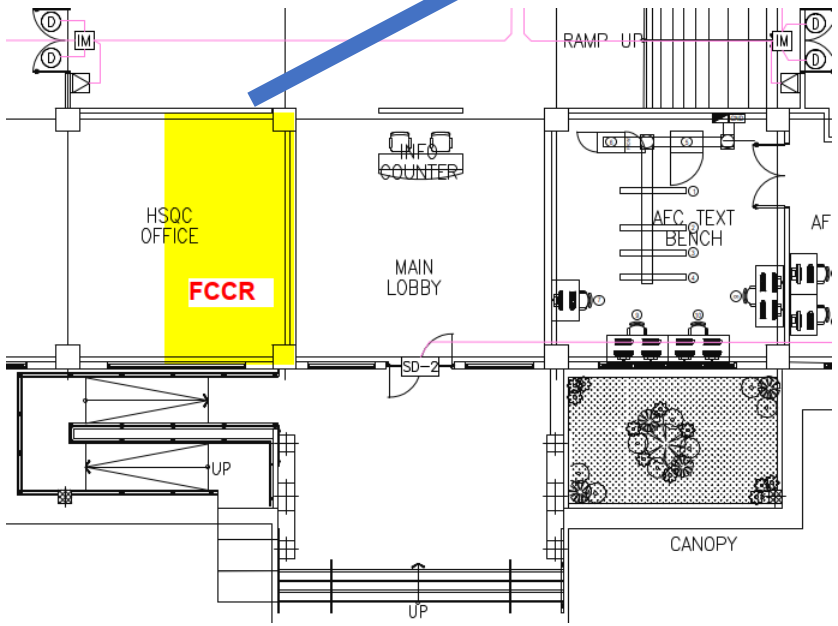
Phase 2

Depot FCCR Workstation Computer Location



The Depot FDAS and ACS workstation computers are located in the FCCR of the Administration Building.

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Work Breakdown Structure (WBS)

I. **Issuance of Notice of Award**
II. **General Requirements**
III. **Engineering Deliverables**
    i. Material Approval
    ii. Shopdrawing Approval
    iii. Interface Coordination Document (ICD)
    iv. Testing and Commissiong Plan
    v. Method Statement
IV. **Construction and Installation**
    i. Cable Fabrication
    ii. Cables Installation
    iii. Equipment Installation
V. **Integration and Testing and Commissioning**
    i. Station to Depot Admin OCC Integration
    ii. Depot Buildings to Admin FCCR and OCC Integration
VI. **Acceptance and Handover**

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Responsibility Matrix

Phase	Location	Particular	ROTEM	Civil Contractor	Contractor
Phase 1	Station	Communication Network (Station to Depot-OCC)	✓		
		L2 Network Switch (24-Ethernet port, + 4-SFP port)		✓	
		Fire Alarm Control Panel (FACP)		✓	
		Access Gathering Panel (AGP)		✓	
		Additional Gateway or Interface Card			✓
	Depot-OCC	FDAS Workstation Computer System			✓
		ACS Workstation Computer System			✓
		Control and Communication Cable (Workstation to CER Room)			✓
		Raceway and Conduit (Workstation to CER Room)			✓
		Additional Gateway or Interface Card			✓
		Table and Chair (p.s)			✓
		Other equipment and accessories to complete the system			✓
		L2 Network Switch(24-Ethernet port, + 4-SFP port)		✓	

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Responsibility Matrix

Phase	Location	Particular	ROTEM	Civil Contractor	Contractor
Phase 2	Site Dev't	Site Devt. Underground Conduit (Interbuilding Connections)		✓	
		FDAS and ACS Control and Communication Cables (Interbuilding Connections)			✓
	Depot-Admin FCCR (CP2)	FDAS Workstation Computer System		✓	
		ACS Workstation Computer System		✓	
		L2 Network Switch (24-Ethernet port, + 4-SFP port)		✓	
		Raceway and Conduit (additional)			✓
		Additional Gateway or Interface Card			✓
		Table and Chair (p.s)			✓
		Other equipment and accessories to complete the system			✓
	Depot-O&M	Fire Alarm Control Panel (FACP)		✓	
		Access Gathering Panel (AGP)		✓	
		L2 Network Switch (24-Ethernet port, + 4-SFP port)		✓	
		Other equipment and accessories to complete the system			✓
	Aux. Building (CP3)	Fire Alarm Control Panel (FACP)		✓	
		Access Gathering Panel (AGP)		✓	
		L2 Network Switch (24-Ethernet port, + 4-SFP port)		✓	
		Other equipment and accessories to complete the system			✓
	Depot-TPSSR	Fire Alarm Control Panel (FACP)		✓	
		Access Gathering Panel (AGP)		✓	
		Other equipment and accessories to complete the system			✓
	Genset Building	FDAS Devices		✓	
		Access Gathering Panel (AGP)		✓	
		Other equipment and accessories to complete the system			✓
	PH1&2, STP	Fire Alarm Control Panel (FACP)		✓	
		Other equipment and accessories to complete the system			✓
	Guard Houses	FDAS Devices			✓
		Other equipment and accessories to complete the system			✓

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Description of Works

- The Contractor **is responsible for supplying and delivering all necessary resources to successfully complete the project**. This includes providing the required **labor, supervision, equipment, and materials needed for the full scope of work**. Specifically, the Contractor **shall ensure the supply, delivery, installation, integration, testing, and commissioning of the Electronics Network**.

- The Contractor **shall bear full responsibility for the creation and submission of comprehensive design drawings based on the proposed products**, ensuring that these designs align with the project specifications and requirements. This includes preparing all necessary shop drawings, which provide detailed representations of the fabrication and assembly of components, as well as method statements outlining the procedures and processes for carrying out the work safely and efficiently.

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Description of Works

- The Contractor **shall be responsible for establishing the interface connection**, including all required materials, between the **Contractor-provided L2 network switch and the System Contractor's Communication Equipment L2 network switch**, located in the Communication Equipment Room (CER) of the Depot Administration Building.

- Throughout the development and construction phase, the Contractor is **expected to consistently review and propose value engineering solutions to the Owner**. This ensures that the solution remains cost-effective while meeting the necessary requirements and achieving fit-for-purpose results.

- The Contractor shall provide a comprehensive **recommended spare parts list** for ensuring continuous equipment operation over a two-year period, including justification and metrics.

- The Contractor shall provide **spare parts sufficient for 2 years** of continuous operation to ensure uninterrupted service and maintenance support

Description of Works

Testing and Commissioning

The Contractor shall conduct the Testing and Commissioning activities in coordination with the Civil and System Contractors responsible for delivering the complete system.

This includes, but is not limited to, the following:

1. Standalone Test
2. Integration Test
3. Performance Test

Operation and Maintenance Training

To conduct Operation and Maintenance training for MRT7 personnel and the DOTR representative, or as otherwise assigned by SMC MRT7 Inc.

Description of Works

Software Support and Upgrades

Software Support

Software support shall be provided for a period of three (3) years, commencing from the completion and acceptance of the project. Upon project completion and acceptance, the software shall be updated to the latest available version to ensure optimal performance and compatibility.

Software Upgrades

All software upgrades shall be installed within three (3) years following project completion and acceptance. Upgrades include new or revised software licenses. To facilitate planning for system access and minimize disruption, the Owner shall be notified at least thirty (30) days in advance of any scheduled upgrades.

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Performance Standard

- The Contractor shall have a **minimum of ten years of experience as an Electronics System Integrator** and must have completed at least five similar projects within the past ten years.
- Full-time Project Manager/ Engineers / Supervisors must be on site for management, quality control, and site supervision.
- **Project Manager** with a **minimum of 10 years of experience**, including at least five (5) relevant infrastructure projects; **a Registered Electronics Engineer**.
- **Engineer in-charge** supervising the work shall be a duly **Registered Electronics Engineer with at least 5 years actual experience on this field of work**, and **supervised by a Professional Electronics Engineer with 10 years professional experience on this field required by R.A. 9292** and revised National Building Code.
- The **Interface Manager** and **Engineer** shall be a **licensed Electronics Engineer with over 10 and 5 years of experience**, respectively, in Building Electronics and Auxiliary system integration.
- To minimize the holding points of deliverables that may cause delays, **subcontracting for Electronics works is strictly prohibited**. The Contractor shall be fully responsible for all aspects of engineering, procurement, supervision, and installation activities, and must have a direct contact with the product manufacturers and/or suppliers.
- For other requirements under Performance Standard please refer to Terms of Reference (TOR).

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Warranty

- All equipment, components, system software, and parts furnished and installed by the Contractor shall be guaranteed against defects in materials and workmanship for **2 years from the acceptance of the System by the Owner**. Any and all cost associated to repair, reprogram, or replace these components shall be the responsibility of the Contractor at no cost to the Owner during the warranty period. All corrective mechanical, electrical and software modifications made, to the system, during warranty periods shall be updated on all user documentation and on user and manufacturer archived software disks. The Contractor shall respond to the Owner's request for warranty service within 24 standard working hours.

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Commercial Conditions

1. Bid submission shall be in a **LUMP SUM** proposal basis. Bid drawings (DED) and BOQ shall be checked and reviewed by the bidder prior to the submission. Therefore, the proposal duly submitted shall be considered reviewed and complete. Otherwise indicated in the BOQ.

2. Draft contract shall be provided as part of the Bid Documents. Bidders shall review the contract throughout the bidding duration. **No comments submitted until the submission of initial bid is deemed to be reviewed and accepted.**

3. The Contractor shall investigate and determine specific limitations or restrictions considering the complexity of the Project. The Contractor shall consider an uninterrupted 24-hour work shifts in order to meet the target schedule for the Project.

4. Total Contract Duration:

Depot Electronics Networks (Phase 1 and 2) = **180 C.D. upon issuance of NTP**

5. In the event the completion date has not occurred by the Completion Deadline, the Contractor shall pay to the Owner as liquidated damages an amount equivalent to **1/10 of 1% of the Contract Price per day** of delay reckoned from the first day immediately after the Taking-Over Deadline.

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Commercial Conditions

6. **Priority area** set by the MRT7 Project Team shall be followed and reflected in the construction schedule of each building.

7. **Material prices** shall be in accordance with the brands/suppliers provided by the MRT7 Technical Team. Brands/specs proposed by the bidders shall undergo the application process subject for approval.

8. **All local and government permits** (LGU, MMDA, DOLE and other working permits) necessary for the commencement shall be included in the proposal.

9. **Duties, Taxes, and Insurance** of the materials purchased domestically and internationally shall be included in the proposal.

10. **As-built drawings** shall be submitted by the contractor to MRT7 PMO in a monthly basis.

11. **All sub-contractors / service providers** shall undergo the process of evaluation by MRT7 subject for approval.

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Commercial Bid Preparation

Commercial Proposal should include the following:

1. Covering Letter using bidder's company letter head indicating total cost proposal in words and figures duly signed by authorized signatory.

2. Bill of Quantities (BOQ) with Detailed Unit Price Analysis (DUPA) for each item.

   Notes:

   - *Proposed additional items must inserted at the bottom most of the BOQ*
   - *File should be in PDF and MS Excel file.*

3. Comments (if any) on the draft contract. No comments upon submission is deemed to be reviewed and accepted by the bidder

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Technical Bid Preparation

Technical Proposal should include the following:

1. Updated Company profile including PCAB license, Mayors and Business Permits, SEC and DTI Registration Certificates, BIR Registration, BIR Imported Clearance Certificate, Bureau of Custom - Certificate of Registration.
2. Bill of Materials (BOM) (signed)
3. Audited Financial Statements of the company for the last three (3) years. (signed and notarized)
4. Gannt Chart / General Project schedule (signed)
5. Table of Organization (signed)
6. Man-power Schedule (signed)
7. CVs of Key Managers and Engineers that will be assigned to the project. (signed)
8. List of accredited product and equipment supplier. (signed)
9. List of completed projects over the past 10 years, along with ongoing similar projects and their contract amounts indicated. Supported with Owner's Certificate of Final Acceptance by the project owner. (signed with attachments e.g. PRC lic., training cert. etc.)

Note: File should be in in PDF and MS Office file.

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Technical Bid Preparation

Technical Proposal should include the following:

10. List of equipment and corresponding Preventive Maintenance Schedule needed to carry out this Project. (signed)
11. Duly Notarized Certification of Non-Inclusion in the Blacklist to any Government Authority. (signed and notarized)
12. Updated calibration certificates of the equipment and instruments.
13. Training certificates of technical, and safety personnel. (signed)

Note: File should be in in PDF and MS Office file.

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Questions and Clarifications

1. All communications, queries and clarifications should be officially transmitted via email to the respective buyer per project.

Email to	:	Mr. John Francis Morse
Email Address	:	jmorse@smhc.sanmiguel.com.ph

2. Bid Bulletins or Instruction to Bidders will be issued as answers to queries and for any announcement.

Submission of Bid

The Owner adopts a (2)-envelope system consisting of the **Commercial,** and **Technical Proposal**. The proposals are to be separated and submitted in two (2) envelopes in hard and soft copies addressed to:

Ms. Susan Y. Yu
Sr. Vice President - Procurement
San Miguel Holdings Corporation
Podium B - SMC Head Office Complex
#40 San Miguel Avenue, Ortigas Center, Mandaluyong City

Soft copy file name format:

Commercial Bid
File name: Bidder- Depot Electronics Networks
Date : _____

Technical Bid
File name: Bidder- Depot Electronics Networks
Date : _____

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Submission of Bid

Envelope No. 1 shall contain Technical Proposal, Hard Copy (1 set) and Soft Copy in USB (1 set)

Contractor's Name

Envelope No. 1

Ms. Susan Y. Yu
Sr. Vice President - Procurement
San Miguel Holdings Corporation
Podium B - SMC Head Office Complex
#40 San Miguel Avenue, Ortigas Center, Mandaluyong City

c/o Mr. John Francis M. Morse / Ms. Joy de Jesus

"Technical Proposal"
Project Name

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Submission of Bid

Envelope No. 2 shall contain Technical Proposal, Hard Copy (1 set) and Soft Copy in USB (1 set)

Contractor's Name

Envelope No. 2

Ms. Susan Y. Yu
Sr. Vice President - Procurement
San Miguel Holdings Corporation
Podium B - SMC Head Office Complex
#40 San Miguel Avenue, Ortigas Center, Mandaluyong City

c/o Mr. John Francis M. Morse / Ms. Joy de Jesus

"Commercial Proposal"
Project Name

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Submission of Bid

All Envelopes 1 and 2 (Technical and Commercial Proposals) shall be placed inside one packaging, labelled and submitted to:

Contractor's Name

Ms. Susan Y. Yu
Sr. Vice President - Procurement
San Miguel Holdings Corporation
Podium B - SMC Head Office Complex
#40 San Miguel Avenue, Ortigas Center, Mandaluyong City

c/o Mr. John Francis M. Morse / Ms. Joy de Jesus

"Technical and Commercial Proposal"
Project Name

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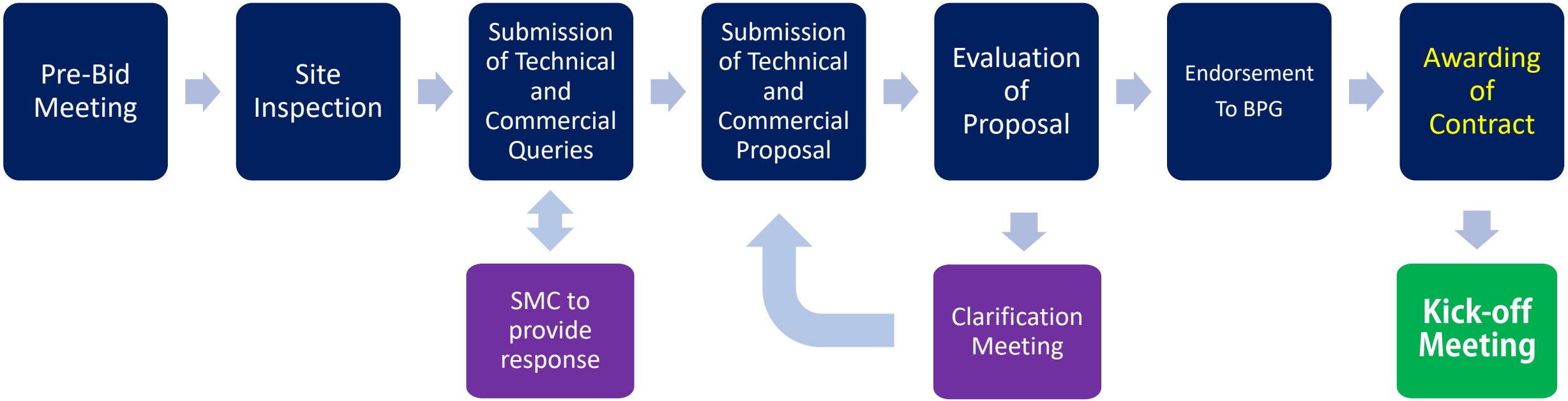
Project Awarding Process



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Notable Schedule

ISSUANCE OF BID DOCS :

1. Terms of Reference
2. Engineering Specifications
3. Engineering Design Drawings
4. List of approved and recommended suppliers / brands
5. As-built Drawings (if any)
6. Technical and Commercial Bid Requirements

PRE-BID MEETING : April 21, 2026

OCCULAR VISIT : April 21, 2026

DEADLINE OF QUERIES : April 24, 2026

SUBMISSION OF BID : May 8, 2026

AWARDING OF CONTRACT: May 29, 2026

PROJECT TARGET COMPLETION DATE : DECEMBER 2026

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CLARIFICATION AND OPEN DISCUSSION

THANK YOU