

NOTES

1. THE ENGINEER TO BE CONTACTED FOR SITE INSPECTIONS AT THE FOLLOWING STAGES OF CONSTRUCTION:
2. ON COMPLETION OF EXCAVATIONS
3. AFTER COMPACTION OF ROAD CROSSINGS
4. INSTALLATION OF POLE FOOTINGS AND POLES.
5. CONNECTION OF CABLES AND POWER SUPPLY AS PER DIAGRAM.
6. INSTALLATION OF SIGNAL COMPONENTS, AND DETECTOR'S.
7. INSTALLATION OF SIGNAL COMPONENTS, AND DETECTOR'S.
8. INSTALLATION OF CONTROLLER.
9. SITE INSTALLATION: MOUNTINGS, EARTHING, SEALANT, CONCRETE PLATFORM.
10. COMMUNICATION INSTALLATION: CELLULAR & SIM CARD, TELKOM + ACCESS DUET + CONDUIT.
11. COMMISSIONING

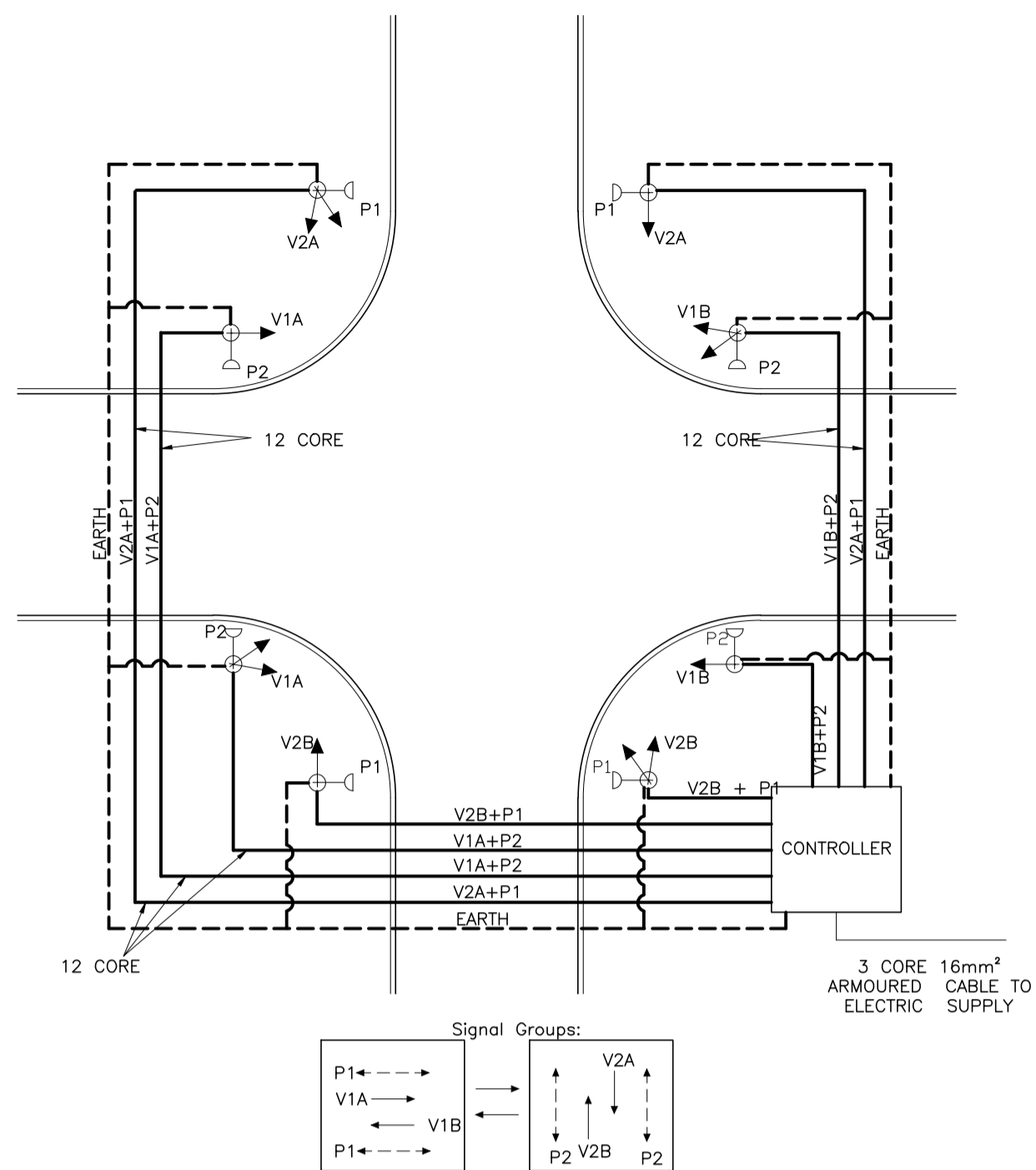


DIAGRAM 1A: CABLING AND PHASING DIAGRAM
STANDARD 2 PHASE TRAFFIC SIGNAL
Schematic

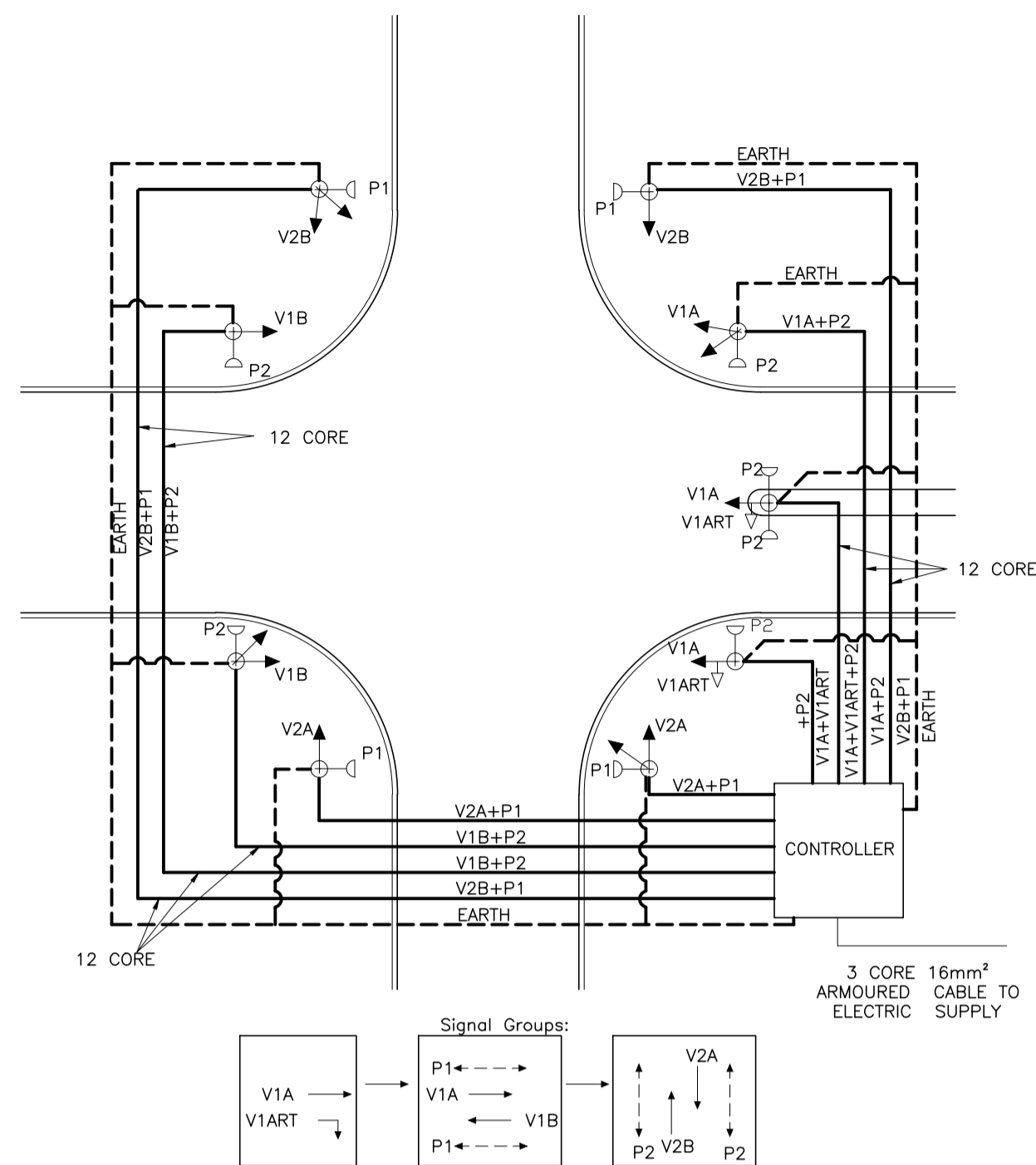


DIAGRAM 1B: CABLING AND PHASING DIAGRAM
TYPICAL 3 PHASE TRAFFIC SIGNAL
(SINGLE LEADING PHASE)
Schematic

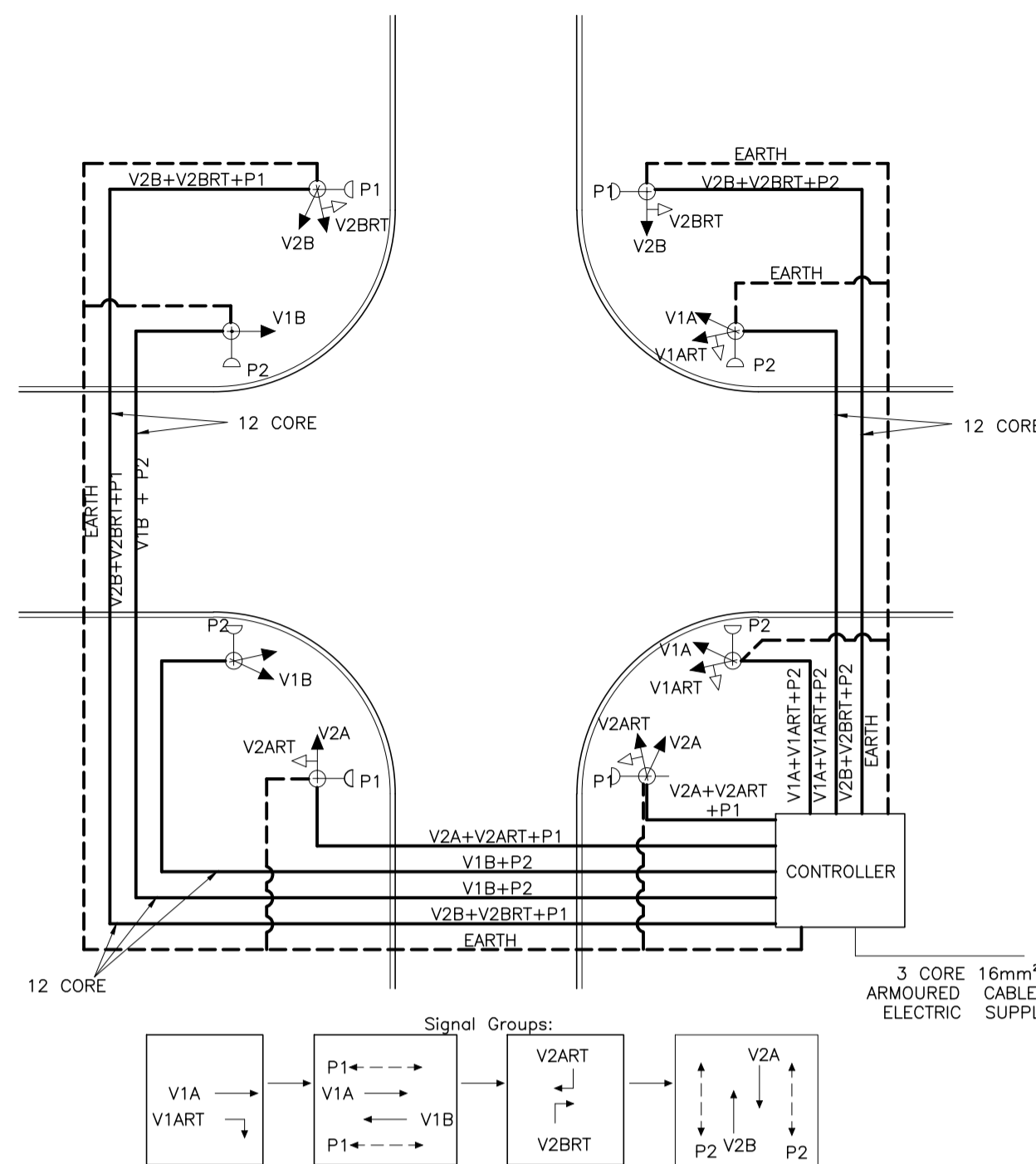


DIAGRAM 1C: CABLING AND PHASING DIAGRAM
TYPICAL 4 PHASE TRAFFIC SIGNAL
Schematic

TABLE 3C: CABLES BETWEEN CONTROLLER AND SIGNAL HEADS

USE	CABLE # OF CORES AND AREA
VEHICULAR PHASES, CAN BE USED FOR RED PHASES.	7 CORE x 1,5mm ² OR 12 CORE x 1,5mm ²
PEDESTRIAN PHASES, DETECTOR FEEDER CABLES, PEDESTRIAN PUSH BUTTONS.	4 CORE x 2,5mm ²
AS AND WHEN REQUIRED.	19 CORE x 1,5mm ²

TABLE 3D: CABLES BETWEEN POWER SUPPLY AND CONTROLLER

DISTANCE BETWEEN SUPPLY AND CONTROLLER	CABLE # OF CORES AND AREA
< 100m	4 CORE x 2,5mm ²
100 – 150m	4 CORE x 4mm ²
> 150m	3 CORE x 16mm ²

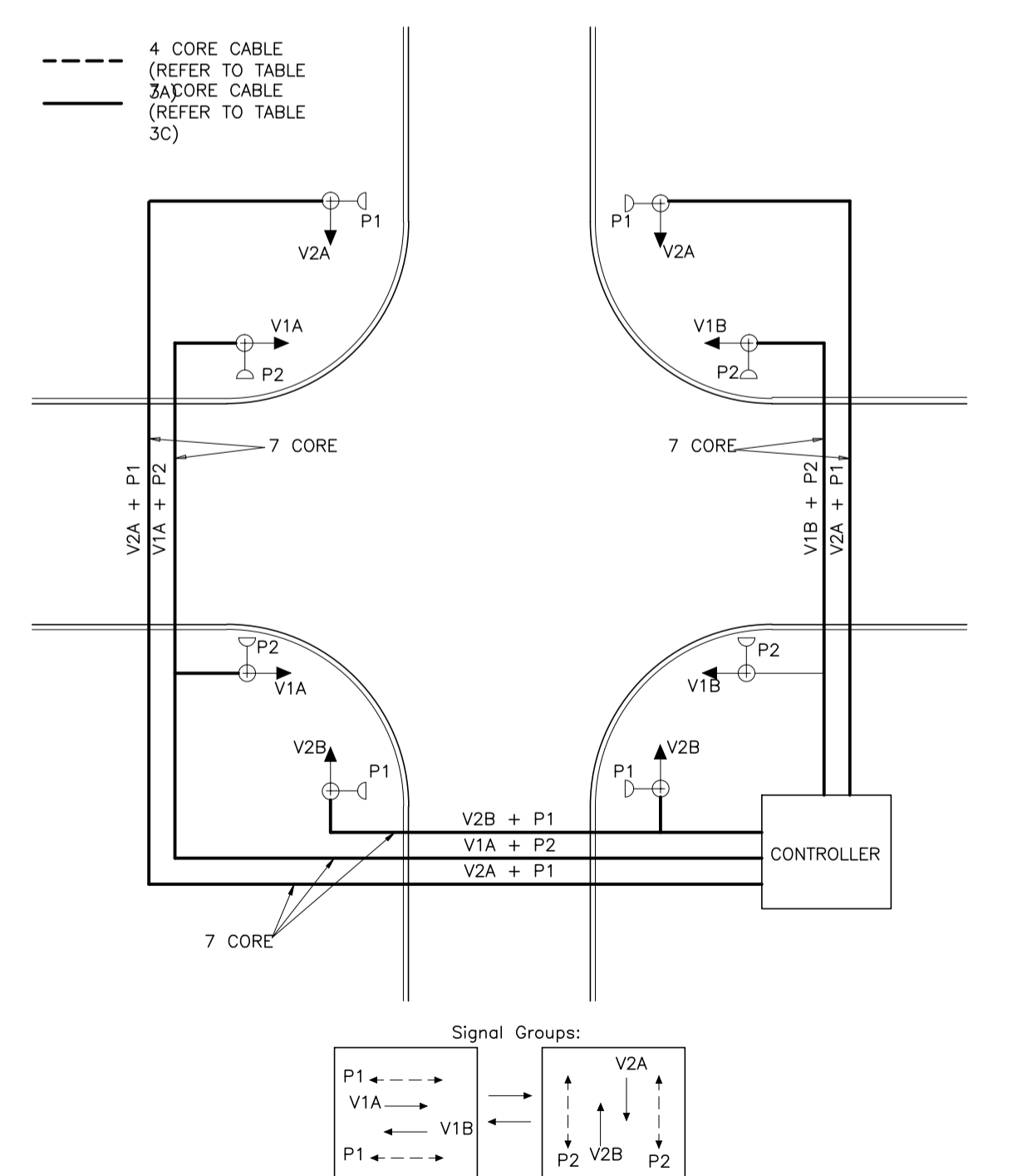


DIAGRAM 3A: CABLING AND PHASING DIAGRAM
STANDARD 2 PHASE TRAFFIC SIGNAL
Schematic

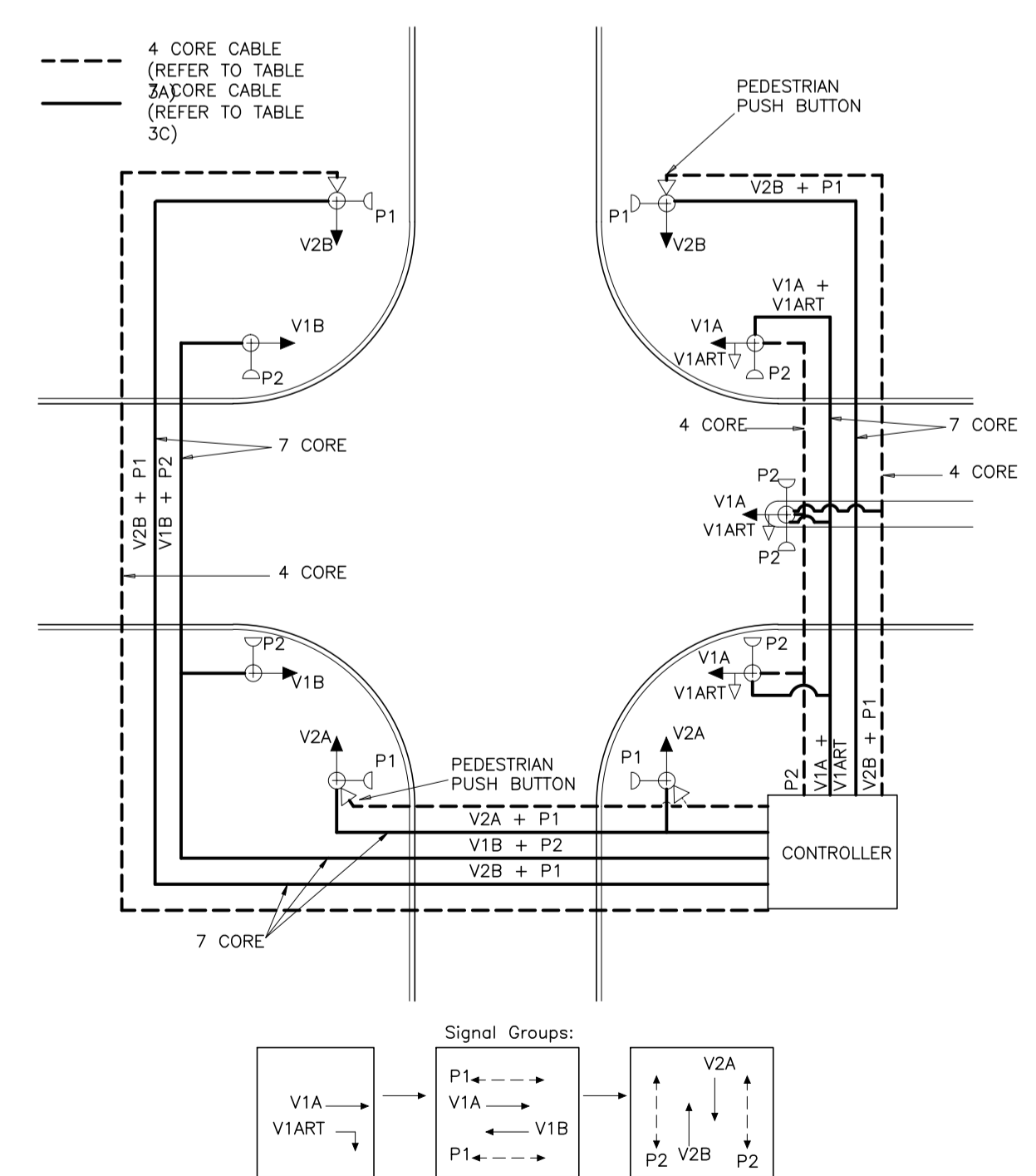


DIAGRAM 3B: CABLING AND PHASING DIAGRAM
TYPICAL 3 PHASE TRAFFIC SIGNAL
(SINGLE LEADING PHASE)
Schematic

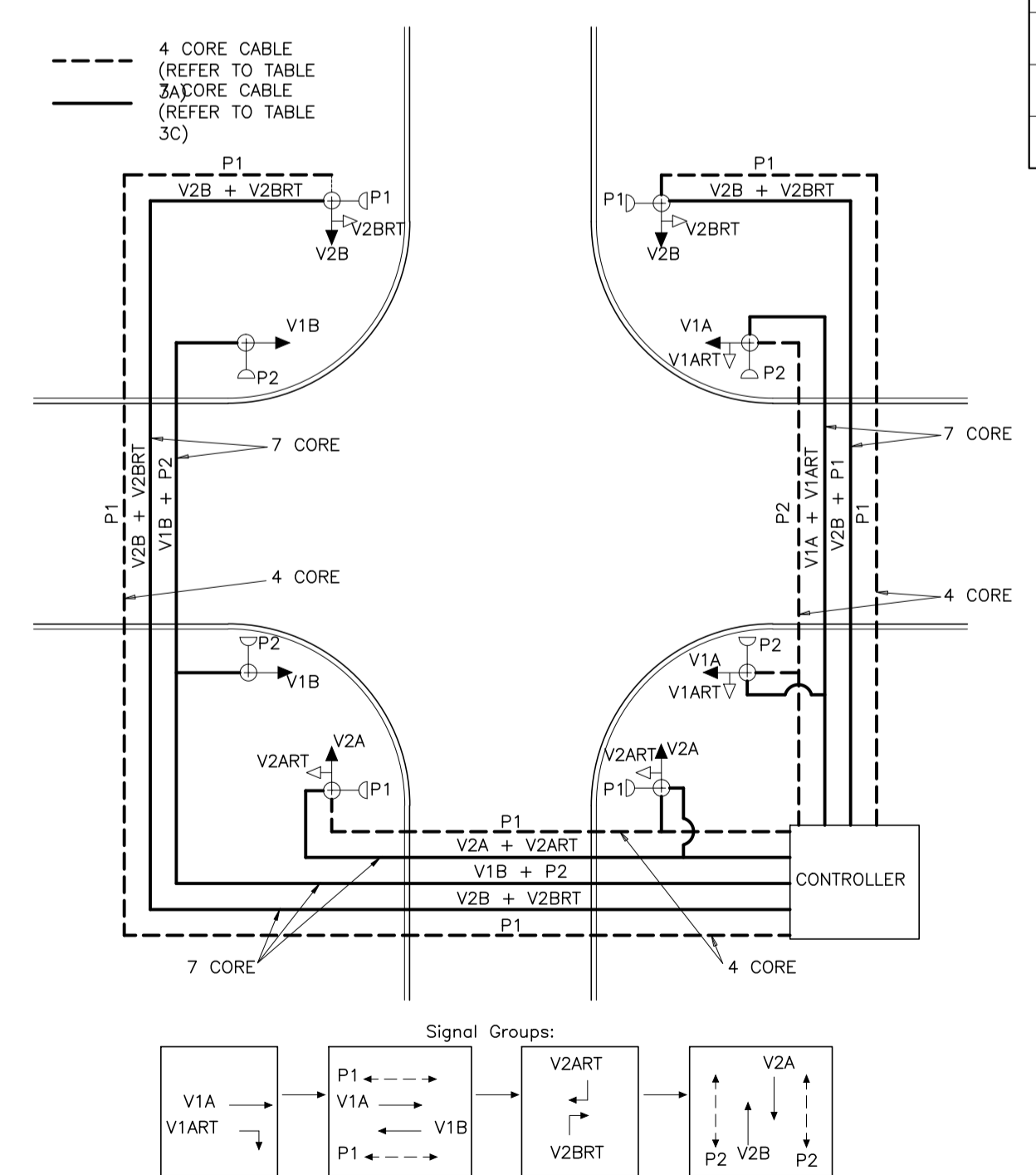


DIAGRAM 3C: CABLING AND PHASING DIAGRAM
TYPICAL 4 PHASE TRAFFIC SIGNAL
Schematic

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED H. STRACHAN	DRAWN S. AUDIE
DESIGN CHECKED BY P. A. ODENDAAL Pr.Eng.	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

PROJECT STATUS			
<input type="radio"/> CONCEPT DRAWING	<input type="radio"/> TENDER DRAWING	<input type="radio"/> APPROVED FOR CONSTRUCTION DRAWING	<input type="radio"/> AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)	INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE
INSPECTOR OF WORKS (CITY OF TSHWANE)	INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE

CONSULTANT DETAIL

CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

Mr. P. Letsoikane
STRATEGIC EXECUTIVE DIRECTOR
P.O. BOX 1409
PRETORIA 0001

Ms. L. V. Kgakgale-Piki
EXECUTIVE DIRECTOR
P.O. BOX 1409
PRETORIA 0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR
Ms. L. V. Kgakgale-Piki

TYPICAL STANDARD DETAILS

TRAFFIC SIGNALS

CABLING DIAGRAMS

RECEIVED	DATE
DIRECTOR: INFRASTRUCTURE PROVISION	SIGNATURE
DIRECTOR: INFRASTRUCTURE CONSTRUCTION (PROJECT) MANAGEMENT	SIGNATURE
DIRECTOR: INFRASTRUCTURE ASSET MANAGEMENT	SIGNATURE
DIRECTOR: TRANSPORT INFRASTRUCTURE PLANNING	SIGNATURE
DIRECTOR: INTELLIGENT TRANSPORT SYSTEM AND TRAFFIC ENGINEERING	SIGNATURE
DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)	SIGNATURE

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO: STD019	SHEET NO: 4 OF 4

