

1 Q. Please provide the description and schematic of current contact center
2 communications/telephony, including switching equipment, Interactive Voice
3 Response, trunks, ports, call flow/routing, overflow (outsourcer) routing and
4 triggers. Also discuss physical location of telephony equipment.

5

6

7 A. Hydro's contact centre system is comprised of the following components;

- 8 • Avaya CS1000M Private Branch Exchange (PBX);
 - 9 ○ Signalling Server;
- 10 • Avaya Call Pilot Server;
- 11 • Contact Center 7 Server (CC7);
- 12 • MPS500 (Media Processing Server) Interactive Voice Response (IVR);
- 13 • Open Connect Server;
- 14 • Microsoft dB/Admin Application Server; and
- 15 • Web Server.

16

17 Calls received from customers are presented to the CS1000M PBX via a dedicated
18 Primary Rate Interface (PRI) trunk from Bell-Aliant, providing number identification
19 to the Call Center 7 Server. The Call Center 7 Server contacts the MPS server with
20 this information allowing the customer to be presented with menu choices to direct
21 the call. If the caller wishes to speak to an agent the call is returned to Call Center 7
22 and enters the queue. If an agent is idle, the call is answered. If there are no
23 agents available, the caller will be placed in queue until an agent becomes available.

24

25 If the caller selects an option to retrieve account information, the MPS500 server
26 will pass the request through the Open Connect server to the dB/Admin
27 Applications Server to retrieve the requested information (i.e., billing inquiries). If

1 the caller is inquiring on outages in their area, the MPS 500 server will play a
2 recorded message based on the phone number identified by the system.

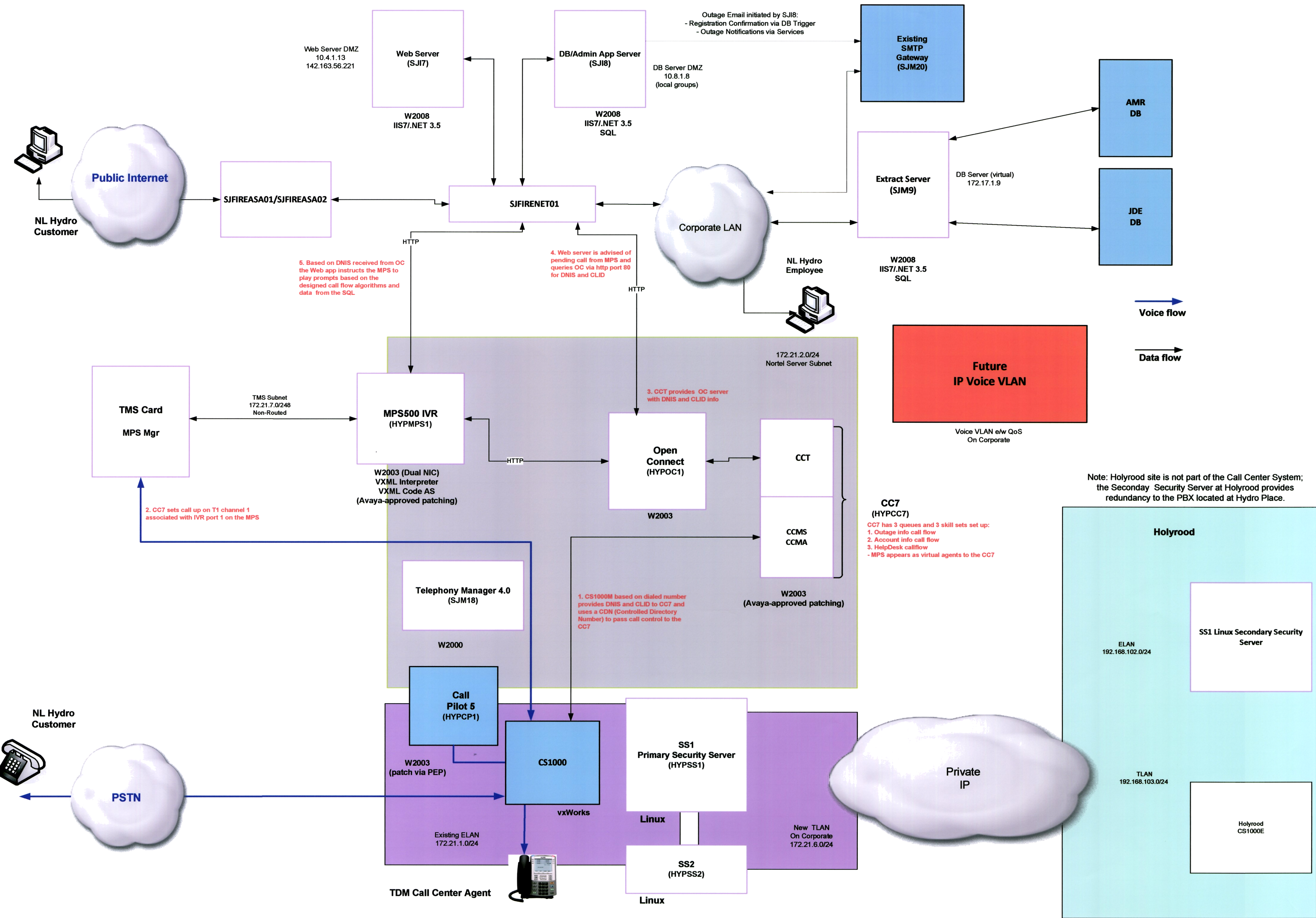
3
4 Users who wish to retrieve information regarding outages or billing inquires
5 through the internet, will connect to Hydro Place from the public internet through
6 various firewalls and security devices until they connect with the Web Server. The
7 Web Server will send this request to the dB/Admin server to retrieve the data. All
8 of the telephony equipment is located within Hydro Place.

9
10 Please refer to the following attachments for schematics of the call centre system:

- 11 • PUB-NLH-141 Attachment 1 for the Customer Care System High Level
12 Design;
- 13 • PUB-NLH-141 Attachment 2 for Customer Contact Centre Network Design;
- 14 • PUB-NLH-141 Attachment 3 for the Customer Service Call Flow; and
- 15 • PUB-NLH-141 Attachment 4 for the Power Outage Call Flow.

NL Hydro - CC / IVR / Web
High Level Design

Original Author: P. Carew & C. Fullerton
Updated: Oct 29, 2010 (L. Kingsley)
Version 1.14



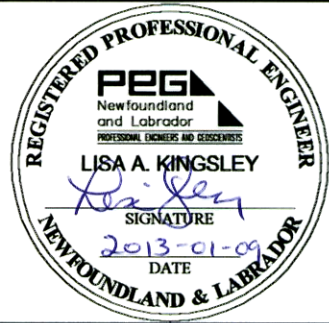
Legend:
AMR - Automated Meter Reader
AS - Application Server
CC - Contact Center
CCMA - Contact Center Management Admin
CCMS - Contact Center Management Server
CCT - Communication Control Toolkit (CTI)
IIS - Internet Information Server
IVR - Interactive Voice Response
JDE - JD Edwards database server
MPS - Media Processing Server (IVR)
PBX - Private Branch Exchange
PSTN - Public Switched Telephone Network
SSO - Single Sign-On
SQL - Microsoft DB server
TMS - Telephony Media Server (IVR)
SMTP - Simplified Mail Transfer Protocol
VXML - Voice Extended Markup Language
WWW - World Wide Web

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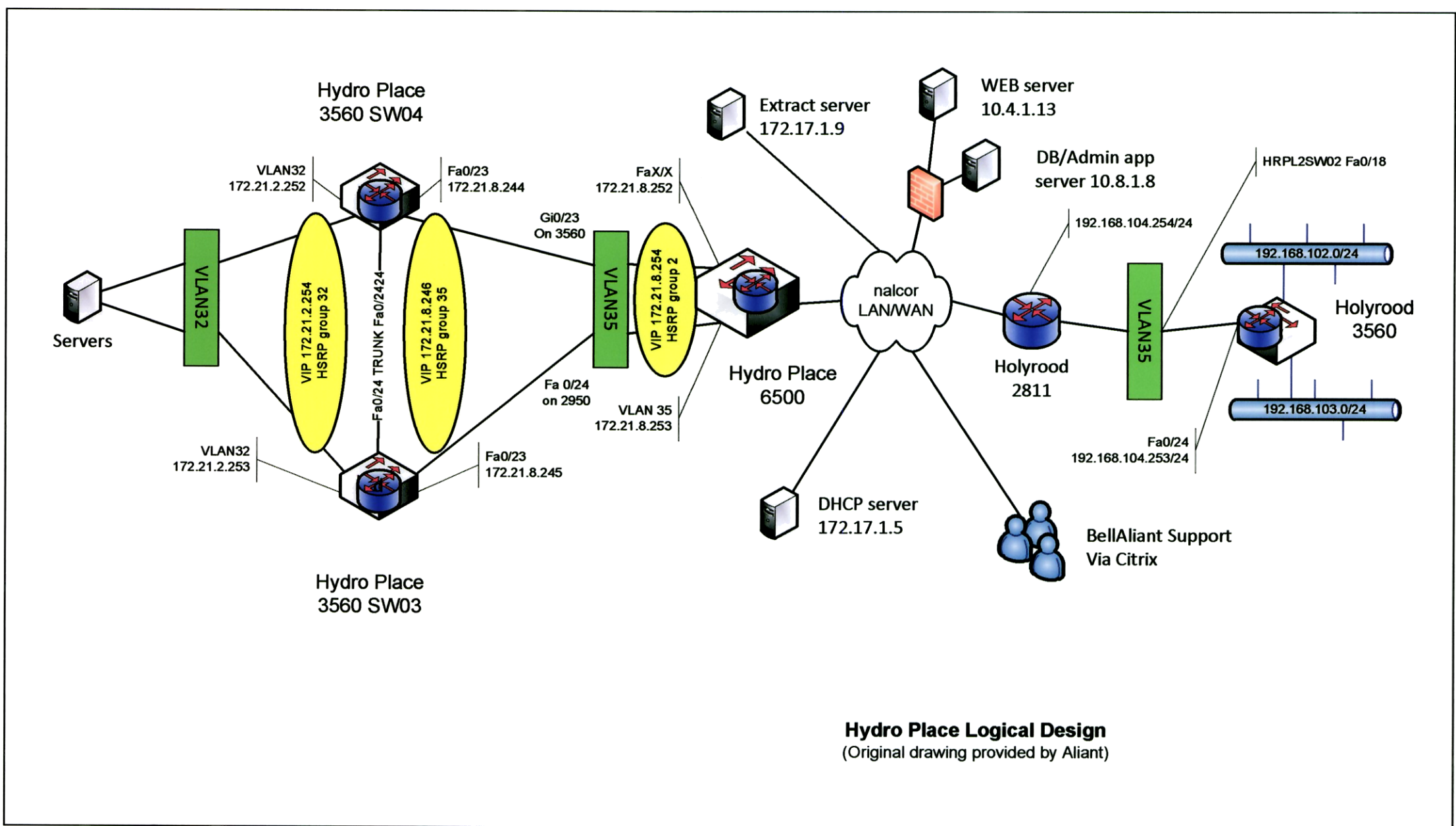
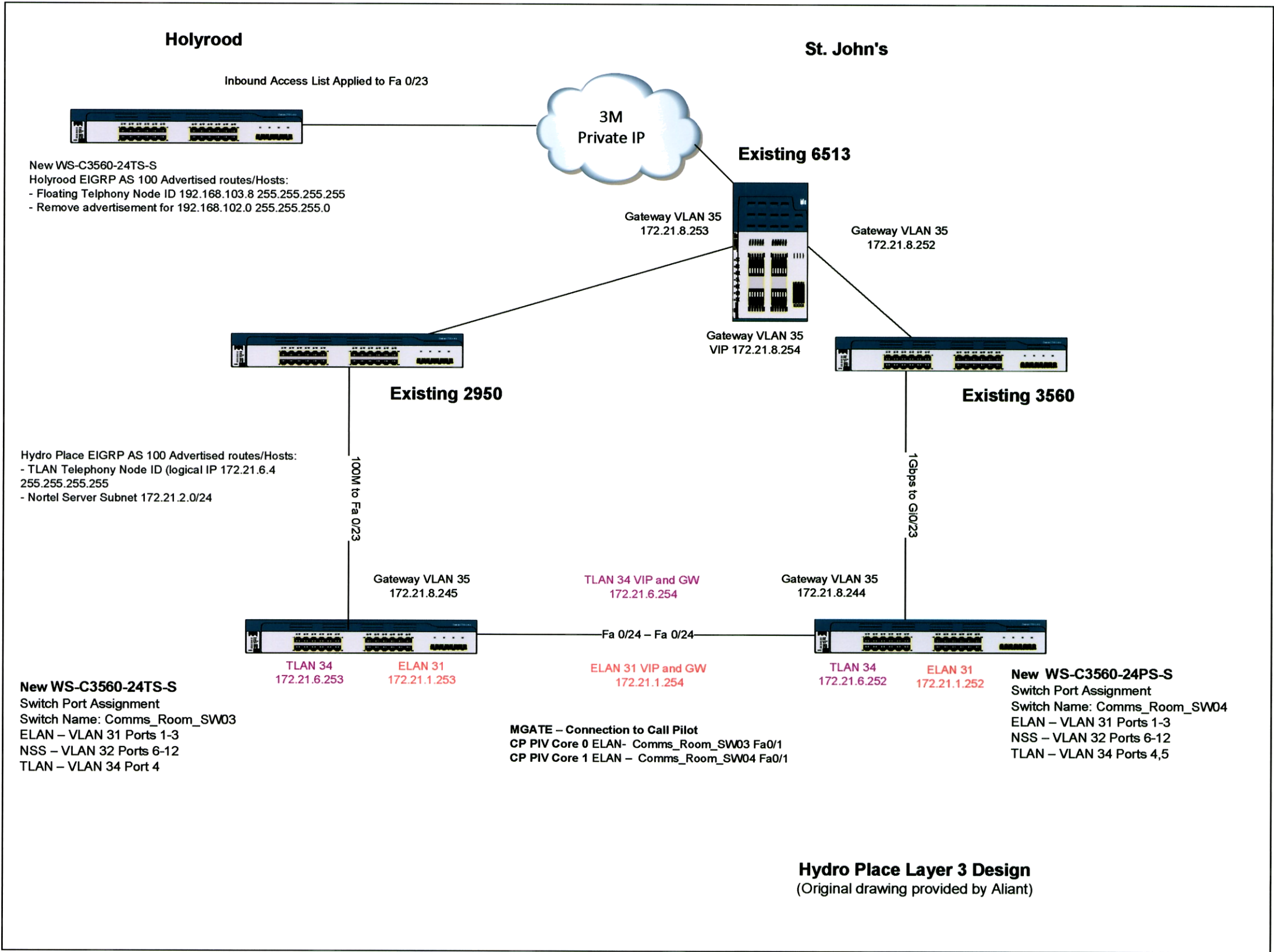
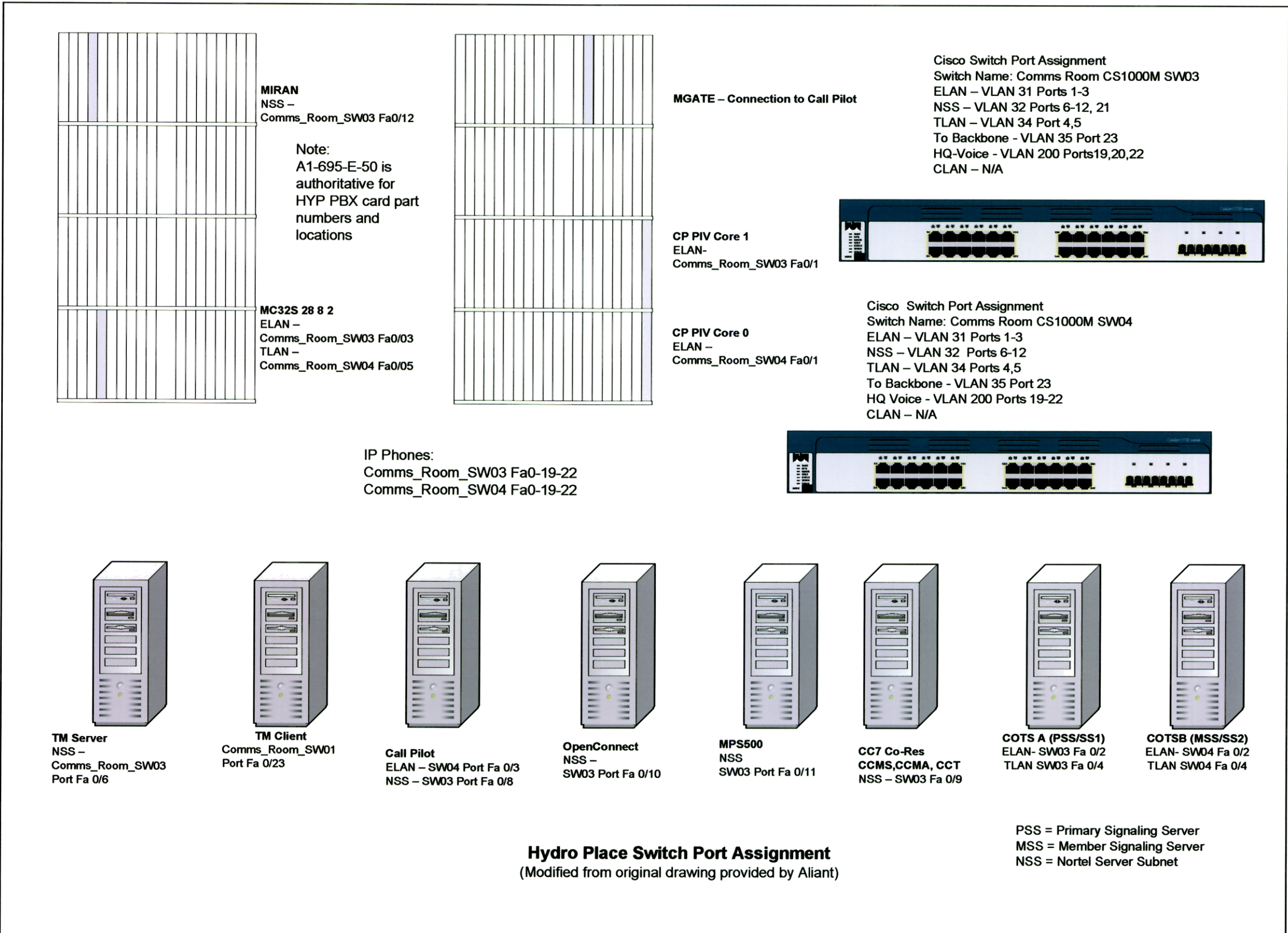
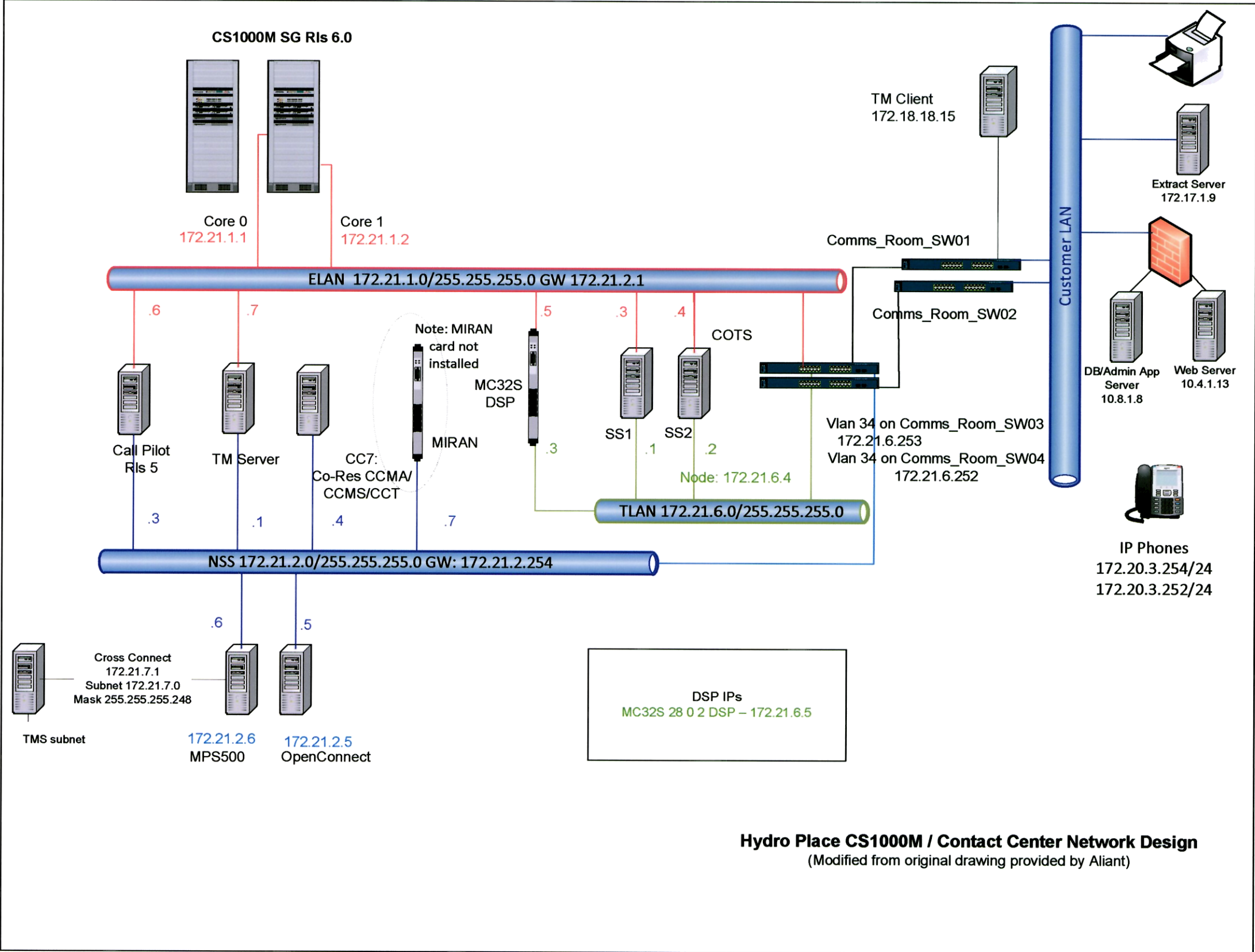
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HYDRO PLACE CS1000M AND CUSTOMER CONTACT CENTER NETWORK DESIGN

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600 - E - 297

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