I.T.S. GENERAL NOTES

1.) THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF CABINETS AND FIBER OPTIC CABLE PRIOR TO BIDDING THE JOB. GPS LOCATIONS HAVE BEEN ADDED TO THE PLANS TO ASSIST IN FINDING THE CABINET LOCATIONS. STATIONING PROVIDED ON THE PLANS TAKE PRECEDENCE.

2.) LOCATIONS OF THE CCTV CAMERA INSTALLATIONS ARE APPROXIMATE. THE CONTRACTOR MAY ADJUST THE LOCATIONS OF THE INSTALLATIONS TO FACILITATE INSTALLATION WITH WRITTEN APPROVAL OF THE RESIDENT ENGINEER AND THE ELECTRICAL DESIGN SECTION. ALL STANDARD NON-FRANGIBLE SETBACK REQUIREMENTS AS WELL AS CLEAR ZONE REQUIREMENTS SHALL BE MAINTAINED.

3.) A MAINLINE SPLICE SHALL NOT BE IN THE SAME COMMUNICATION VAULT AS A LATERAL SPLICE. MAINLINE SPLICES SHALL UTILIZE 2 COMMUNICATION VAULTS (ONE NEXT TO THE OTHER UNLESS OTHERWISE NOTED). 1-96 SM FIBER MAINLINE SPLICE IN ONE VAULT AND THE OTHER 96 SM FIBER MAINLINE SPLICE IN THE OTHER VAULT.

4.) THE CONTRACTOR SHALL EXERCISE CARE WITH THE INSTALLATION OF UNDERGROUND EQUIPMENT AS THERE MAY BE EXISTING PRIVATELY OWNED FACILITIES WITHIN THE PROJECT LIMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ANY UTILITIES IN THE WORK ZONE AND REQUEST UTILITY LOCATES.

5.) THE CONTRACTOR SHALL BE AWARE OF THE DOCUMENTATION REQUIREMENTS WHICH REQUIRE GPS DATA ACQUISITION INCLUDED IN THE RECORD DRAWINGS.

6.) FIBER OPTIC CABLE SLACK SHALL BE AS FOLLOWS: 150 FEET FOR EACH CABLE (96 AND 12 FIBER) AT HANDHOLES AND COMMUNICATIONS VAULTS WHERE SPLICING IS INDICATED. FIBER OPTIC CABLE SLACK SHALL BE 100 FEET FOR EACH CABLE AT HANDHOLES AND JUNCTION BOXES WHERE NO SPLICING IS INVOLVED. HANDHOLES ADJACENT TO CABINET HOUSING EQUIPMENT, TYPE III SHALL HAVE 10 FEET OF SLACK; UNLESS OTHERWISE INDICATED.

7.) THE ELECTRICAL MAINTENANCE CONTRACTOR (EMC) SHALL BE CONTACTED FOR EXISTING STATE OWNED FACILITIES LOCATES.

8.) RECORD DRAWINGS OF THE EXISTING LIGHTING INSTALLATIONS (FOR POWER) ARE AVAILABLE FOR REVIEW AT THE DISTRICT ELECTRICAL DESIGN SECTION OFFICE WITH 48 HOUR ADVANCE NOTICE.

9.) ALL UNDERGROUND RACEWAYS SHALL BE INSTALLED AT A MINIMUM DEPTH OF 30-INCHES.

10.) THE CONTRACTOR SHALL VERIFY ADEQUATE CLEARANCE OVER EXISTING FACILITIES BEFORE INSTALLING DUCTS, CONDUIT AND CABLES.

11.) WHERE ELECTRIC POWER IS INDICATED FROM AN EXISTING CONTROLLER, THE CONTRACTOR SHALL EXPEDITIOUSLY INSTALL THE REQUIRED CIRCUIT BREAKER(S) AND UNDERGROUND WORK. MAINTENANCE OF THE CONTROLLER SHALL BE ASSUMED BY THE CONTRACTOR DURING THE MODIFICATION OF THE CONTROLLER.

12.) WHERE A CCTV CABINET IS CONNECTED TO A TYPE 3 CABINET, A SECOND ETHERNET SWITCH SHALL BE INSTALLED.

LEGEND:

- [J] JUNCTION BOX, SIZE AS NOTED
- [C] COMMUNICATION VAULT
- [H] HEAVY DUTY HAND HOLE
- TYPE 3 CABINET
- GALVANIZED RIGID STEEL CONDUIT, INSTALLATION, TYPE AND SIZE AS NOTED
- ELECTRIC SERVICE CONNECTION
- 2 RADAR VEHICLE SENSING DEVICES
- 1 RADAR VEHICLE SENSING DEVICE
- CCTV CAMERA AND EQUIPMENT CABINET MOUNTED ON 50' POLE
- LIGHTING CABINET

- (E) EXISTING
- (I) INSTALL
- (P) PUSHED
- (T) TRENCHED
- FIBER OPTIC INTER CONNECT CABINET
- [E] ELECTRIC SERVICE INSTALLATION-GROUND MOUNTED

ABBREVIATIONS

PREFIX	COMPONENT
ADF	ADD/DROP, FIBER OPTIC (CWDM OR OTHER)
CAX	COAX CABLE
CSC	CABLE SPLICE, COPPER
CSF	CABLE SPLICE, FIBER OPTIC
CTD	CCTV CAMERA, DOME
CTF	CCTV CAMERA, FIXED POSITION
CBT	CHANNEL BANK, T1
CCC	CONTROL CABLE, COPPER
CVB	CONTROLLER, VIDEO, BACKUP
CVP	CONTROLLER, VIDEO, PRIMARY
DAV	DISTRIBUTION AMPLIFIER, VIDEO
DCC	DISTRIBUTION CABLE, COPPER
DCF	DISTRIBUTION CABLE, FIBER OPTIC
DEC	DECODER (CODEC MPEG2)
DMS	DYNAMIC MESSAGE SIGN
VRD	VIDEO RECORDER, DIGITAL
ENC	ENCODER (CODEC MPEG2)
ETH	ETHERNET CABLE
HHL	HANDHOLE
JBC	JUNCTION BOX, CONTROL (COPPER)
JBF	JUNCTION BOX, FIBER OPTIC CABLE
JBP	JUNCTION BOX, POWER
KBD	KEYBOARD
LDI	LOOP DETECTOR, INDUCTION
LDM	LOOP DETECTOR, MICROLOOP
MDF	MUX/DEMUX, FIBER (CWDM)
MON	MONITOR, COMPUTER
MVD	MONITOR, VIDEO
MVR	MONITOR, VIDEO, FLAT PANEL RACK (LCD RACK)
MXS	MULTIPLEXER, SONET
PCE	PATCH CABLE, ETHERNET
PCF	PATCH CABLE, FIBER

PREFIX	COMPONENT
PLP	PULLING PEDESTAL
PPC	PATCH PANEL, COPPER
PPE	PATCH PANEL, ETHERNET
PPF	PATCH PANEL, FIBER
PPV	PATCH PANEL, VIDEO
RMC	RADIO, MICROWAVE, CONTROL (UNLICENSED)
RMV	RADIO, MICROWAVE, VIDEO (UNLICENSE)
RXF	RECEIVER, FIBER OPTIC
RXT	RECEIVER, FSK TONE
SCF	SPLITTER/COMBINER, FIBER OPTIC (CWDM)
SPV	SIGNAL SPLITTER, VIDEO
SSV	SELECTOR SWITCH, VIDEO (MANUAL)
SWE	SWITCH, ETHERNET
SWV	SWITCH, VIDEO
TCC	TRUNK CABLE, COPPER
TCF	TRUNK CABLE, FIBER OPTIC
TLC	TLC WATCH EQUIPMENT
TXF	TRANSMITTER, FIBER OPTIC
TXT	TRANSMITTER, FSK TONE
VCD	VIDEO CAPTURE DEVICE
VCL	VIDEO CONTROL LOCATION
VCP	VIDEO COLLECTION POINT
WST	USER WORK STATIION