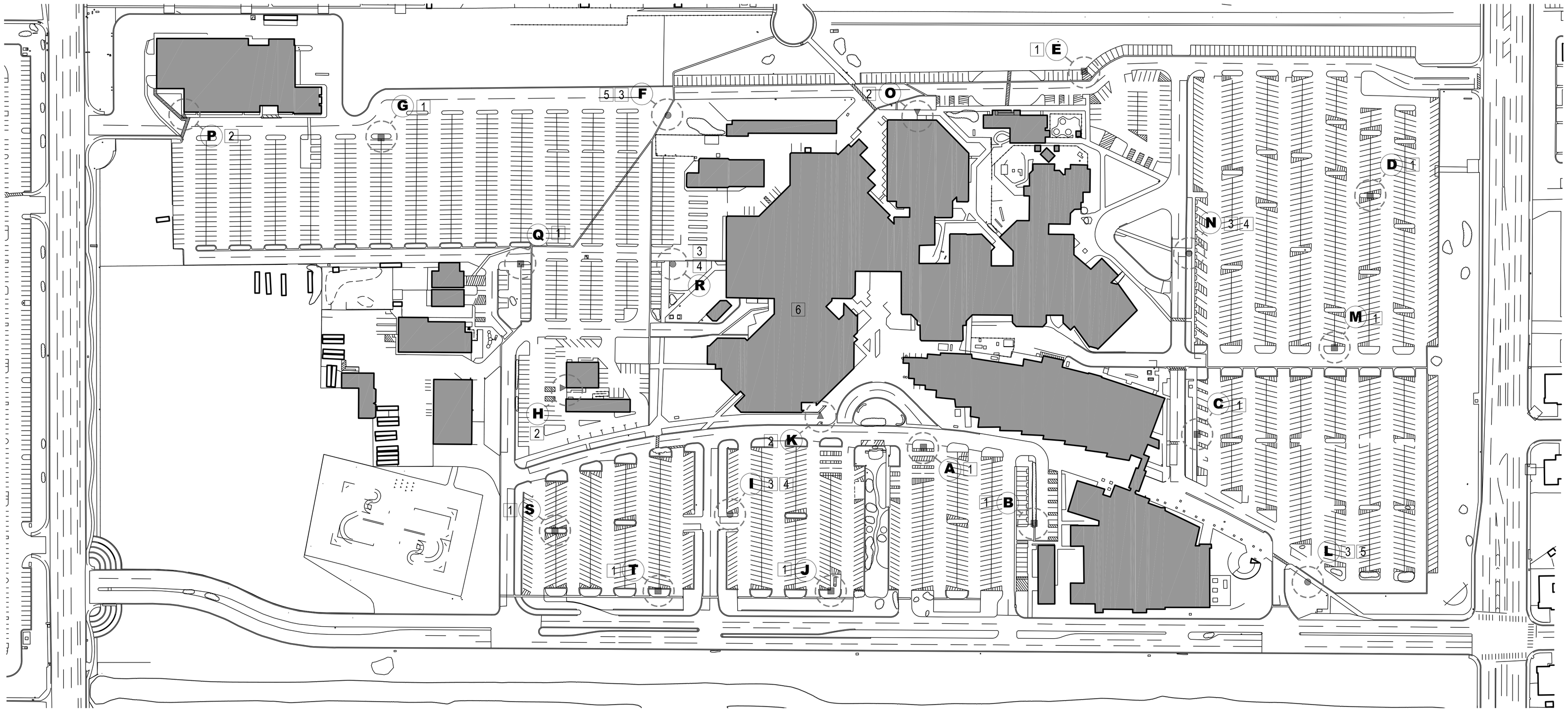

CHEYENNE CAMPUS - SECURITY SITE PLAN

SCALE: 1"=40'

CC topo Oct-2010

SPECIFICATIONS

SECTION 11150 EMERGENCY CALL BOXES
PROVIDE PEDESTAL, POLE MOUNTED AND WALL MOUNTED EMERGENCY CALL BOXES AS INDICATED ON THE DRAWINGS AND BY ONE OF THE FOLLOWING MANUFACTURERS:
- CODE BLUE CORPORATION, HOLLAND, MICHIGAN
- TALK-A-PHONE CO., NILES, ILLINOIS
- MOTOROLA CORP.

GENERAL DESCRIPTION
THE UNIT SHALL BE AN EASILY IDENTIFIABLE, VANDAL RESISTANT COMMUNICATIONS DEVICE THAT IS AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANT, MULTI-FUNCTIONAL, EITHER WALL, POLE OF FREESTANDING AND CONSTRUCTED WITH HEAVY STEEL. THE UNIT SHALL BE A HANDS-FREE COMMUNICATIONS DEVICE, WITH A COMBINATION BLUE STROBE AND BEACON THAT SERVES TO IDENTIFY THE UNIT FROM A GREAT DISTANCE.

THE COMMUNICATION SYSTEM SHALL BE DESIGNED SO THAT A SINGLE TOUCH ON THE COMMUNICATIONS DEVICE SHALL IMMEDIATELY AND AUTOMATICALLY DIAL A PREPROGRAMMED NUMBER. THIS SHALL SIMULTANEOUSLY ACTIVATE AN OPTIONAL COMBINATION BLUE BEACON AND STROBE, AND AN OPTIONAL PERIPHERAL DEVICE SUCH AS A REMOTE PRESET FOR CLOSED CIRCUIT TELEVISION (CCTV). IMMEDIATELY AFTER ESTABLISHING THE PHONE CONNECTION WITH THE RECEIVING PARTY, THE COMMUNICATIONS DEVICE SHALL BE CAPABLE OF SENDING A SIGNAL IDENTIFYING THE SPECIFIC UNIT BEING ACTIVATED. THE STROBE SHALL CONTINUE TO FLASH, DRAWING ATTENTION TO THIS LOCATION UNTIL THE RECEIVING PARTY TERMINATES THE CALL.

CONSTRUCTION
HOUSING FOR THE POLE AND WALL MOUNTED UNITS SHALL BE FABRICATED OF 12 GAUGE STEEL. THE PEDESTAL UNITS SHALL BE A CONCENTRIC STEEL CYLINDER (BOLLARD). TAMPER RESISTANT FASTENERS SHALL BE USED. IT SHALL NOT BE POSSIBLE TO ENTER THE UNIT OR REMOVE ANY COMPONENT WITHOUT A SPECIAL BIT-WENCH DESIGNED FOR THIS PURPOSE. THESE BIT-WRENCHES ARE SUPPLIED ONLY BY THE MANUFACTURER OF THE UNIT. ALL OTHER TYPES OF FASTENERS SHALL NOT BE ACCEPTABLE. ALL COMPONENTS SHALL BE COMPLIANT WITH CURRENT U.O. STANDARDS.

MOUNTING
MOUNTING SHALL BE TAMPER RESISTANT AND PER MANUFACTURERS RECOMMENDATIONS.

ELECTRICAL
THE UNIT SHALL BE ABLE TO SUPPORT BATTERY BACKUP WITH A MINIMUM OF 18 HOURS OF STANDBY POWER. BATTERY TO HAVE A MINIMUM LIFE EXPECTANCY OF 24 MONTHS. ALL ELECTRICAL COMPONENTS SHALL HAVE QUICK-DISCONNECT TERMINALS FOR EASY SERVICE OR REMOVAL. ALL WIRING SHALL BE CONCEALED WITHIN THE ENCLOSURE AND SHALL NOT BE VISIBLE FROM THE OUTSIDE OF THE UNIT. THE UNIT SHALL REQUIRE 12-24v AC OR 12-30v DC AND DRAW A MINIMUM OF 0.290 AMPERES UNDER NORMAL OPERATION. THE PHONE LINE SHALL BE FACTORY SURGE PROTECTED AND THE INSTALLER SHALL FOLLOW ALL LOCAL CODES FOR UNIT GROUNDING AND SURGE PROTECTION. THE SPEAKERPHONE SHALL REQUIRE A MINIMUM OF 20 MA LOOP CURRENT AT THE UNIT. A 22-26 AWG SHIELDED TWISTED PAIR CABLE SHALL BE USED.

LIGHTS
A BLUE LED STROBE LIGHT SHALL BE LOCATED AT THE TOP OF THE PEDESTAL MOUNTED UNITS. THE WALL AND POLE MOUNTED UNITS SHALL HAVE A REMOTE MOUNT COMBINATION BLUE BEACON AND STROBE UNIT WITH A MOUNTING BRACKET. THE BLUE STROBE SHOULD BE ABLE TO PRODUCE A MINIMUM OF 60 FLASHES PER MINUTE, AND SHOULD BE VISIBLE IN DAY LIGHT HOURS FROM A DISTANCE OF 125 METERS. FACE PLATES SHALL BE CONTINUOUSLY LIT BY ULTRA-BRIGHT LED. THE UNIT SHALL HAVE LED INDICATORS FOR THE HEARING IMPAIRED.

CAMERAS
EACH UNIT SHALL HAVE THE OPTION OF AN IP BASED CAMERA. CLOSEST CAMPUS CAMERA (IP AND CURRENT ANALOG) TO BE PROGRAMMED TO MOVE TO THE LOCATION FROM WHICH THE CALL WAS PLACED.

COMMUNICATIONS
THE UNIT SHALL BE ABLE TO OPERATE COMMUNICATIONS OVER A WI-FI NETWORK AND ACHIEVE SECURE COMMUNICATIONS TO EACH UNIT. SIGNAL STRENGTH NOT TO BE UNDER 50%. EACH UNIT TO HAVE ITS OWN ID NUMBER. THE UNIT SHALL BE IDENTIFIED ON THE MAIN SWITCHBOARD CONSOLE WHEN A CALL IS RECEIVED. THE UNIT SHALL HAVE A HIGH QUALITY, VANDAL RESISTANT AND ADA COMPLIANT SPEAKERPHONE COMMUNICATION DEVICE. THE VOLUME CAN BE ADJUSTED FROM THE DISPATCH CONSOLE. LANGUAGE SHALL BE IN ENGLISH AND SPANISH. THE UNIT SHALL HAVE A TWO=BUTTON KEYPAD.
- THERE SHALL BE A BUTTON LABELED "EMERGENCY". THE BUTTON WHEN TOUCHED WILL AUTOMATICALLY ACTIVATE THE STROBE AND PLACE A CALL TO A SEPARATE PROGRAMMABLE NUMBER.
- THERE SHALL BE A BUTTON LABELED "ASSISTANCE". THIS BUTTON WHEN TOUCHED WILL AUTOMATICALLY ACTIVATE THE STROBE AND PLACE A CALL TO A SEPARATE PROGRAMMABLE NUMBER.

FINISH
THE UNIT SHALL BE FINISHED WITH A COATING PROCESS KNOWN TO BE HIGHLY GRAFFITI RESISTANT AND UV RESISTANT.

WIDE EMERGENCY BROADCAST SYSTEM
OPTIONAL (4) FOUR SPEAKER ARRAY MOUNTED ON TOP OF TOWER UNIT. SYSTEM TO BE WEATHERPROOF AND VANDAL PROOF. CONNECT TO SWITCHBOARD CONSOLE OVER WI-FI NETWORK. VOLUME TO BE ADJUSTABLE.

GRAPHICS
THE GRAPHICS SHALL BE A DURABLE ENGINEERING GRADE REFLECTIVE VINYL FOR HIGH VISIBILITY AND LEGIBILITY.

INSTALLATION
INSTALLATION SHALL BE BY AN APPROVED CONTRACTOR WITH A MINIMUM OF THREE (3) YEAR'S EXPERIENCE IN INSTALLATION OF EMERGENCY CALL SYSTEMS.

WARRANTY
THE UNIT SHALL BE WARRANTED FOR A PERIOD OF TWO (2) YEARS.

GENERAL NOTES

1. EXISTING BUILDINGS TO REMAIN IN OPERATION DURING CONSTRUCTION. MAINTAIN SITE CLEAN AND FREE OF DEBRIS DURING CONSTRUCTION. MAINTAIN ALL EGRESS ROUTES. DO NOT BLOCK EXITS. NOTIFY CSN FACILITIES MANAGEMENT (CONSTRUCTION MANAGER) IF ANY UTILITY SERVICE IS TO BE INTERRUPTED.
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND BARRICADES TO INSURE THE SAFETY OF THE PUBLIC IN AND AROUND THE WORK AREA.
3. ALL SITE-RETATED WORK TO BE CONSTRUCTED TO MEET SPWD UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS.
4. CONTRACTOR TO INSPECT ALL EXISTING CONDITIONS AND NOTIFY CSN FACILITIES MANAGEMENT (CONSTRUCTION MANAGER) OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES, AND STREET IMPROVEMENTS FROM DAMAGE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE ENGINEER AND AT THE EXPENSE OF THE CONTRACTOR.
6. EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.
   CALL BEFORE YOU DIG: (800) 227-3600
   CALL BEFORE YOU OVERHEAD: (702) 563-6111
5. THE CONTRACTOR SHALL INSTALL THE EMERGENCY CALL BOX INFRASTRUCTURE FOR EXPANSION TO A MINIMUM OF 20 TOTAL CALL BOXES.

LEGEND:

- POLE MOUNTED CALL BOX
- TOWER CALL BOX
- BUILDING MOUNTED CALL BOX
- (E) CALL BOX LOCATION

KEY NOTES

1. INSTALL POLE MOUNTED CALL BOX & BLUE LIGHT TO EXISTING LIGHT POLE PER MFG. RECOMMENDATION. CONNECT TO EXISTING LIGHT POLE POWER CIRCUIT.
2. INSTALL BLDG. MTD. CALL BOX & BLUE LIGHT TO EXISTING BUILDING PER MFG. RECOMMENDATIONS. CONNECT TO BUILDING POWER.
3. INSTALL TOWER CALL BOX PER MFG. RECOMMENDATIONS. INSTALL UNDERGROUND CONDUIT TO NEAREST LIGHT POLE OR BUILDING FOR POWER CONNECTION.
4. INSTALL WIDE EMERGENCY BROADCAST SYSTEM ON TOP OF TOWER
5. INSTALL CAMERA - HARDWIRE TO BUILDING
6. SYSTEM ANTENNA LOCATION. CONTRACTOR TO MOUNT ANTENNA ON ROOF OF EXISTING BUILDING. CONTRACTOR TO VERIFY LOCATION WITH CONSTRUCTION MANAGEMENT PRIOR TO INSTALLATION.

No:	Revision	Approved	Date

Campus: CHEYENNE
Rm(s) Area: SITE
Project:
QUICK RESPONSE EMERGENCY CALL BOX

CSN COLLEGE OF SOUTHERN NEVADA

DEPARTMENT OF FACILITIES MANAGEMENT
CHEYENNE CAMPUS
3200 EAST, CHEYENNE AVENUE, S2H
NORTH LAS VEGAS, NEVADA 89030
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SEAL:

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Job #: CC-11045A
Dwg. Name: C1.01-SITEPLAN
Drawn: MSS
Date: 11/21/11
Scale: 1"=40'

Sheet Title:
SECURITY SITE PLAN

Sheet:
C1.01

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