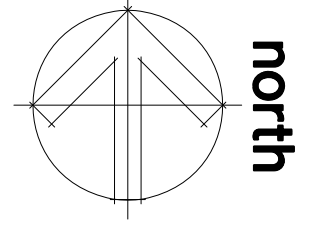


HENDERSON CAMPUS - SECURITY SITE PLAN

SCALE: 1"=100'

CC: 10/10/2010



SPECIFICATIONS

SECTION 1189 EMERGENCY CALL BOXES
 PROVIDE PERMANENT, POLE MOUNTED AND WALL MOUNTED EMERGENCY CALL BOXES AS INDICATED ON THE DRAWINGS AND BY ONE OF THE FOLLOWING:
 CODE BLUE CORPORATION, HOLLAND, MICHIGAN
 TALKAPHONE CO., NILES, ILLINOIS
 MOTOROLA CORP.

GENERAL DESCRIPTION
 THE SYSTEM SHALL BE A WIRELESS, VOIP, RESISTANT COMMUNICATIONS SERVICE THAT IS APPROVED BY THE LOCAL TELECOM REGULATORY AGENCY (LTRA) AND THE LOCAL TELECOM UTILITY PROVIDER (LTP). THE SYSTEM SHALL BE A WIRELESS, VOIP, RESISTANT COMMUNICATIONS SERVICE THAT IS APPROVED BY THE LOCAL TELECOM REGULATORY AGENCY (LTRA) AND THE LOCAL TELECOM UTILITY PROVIDER (LTP). THE SYSTEM SHALL BE A WIRELESS, VOIP, RESISTANT COMMUNICATIONS SERVICE THAT IS APPROVED BY THE LOCAL TELECOM REGULATORY AGENCY (LTRA) AND THE LOCAL TELECOM UTILITY PROVIDER (LTP).

CONSTRUCTION
 THE POLE AND WALL MOUNTED UNITS SHALL BE FABRICATED OF 12 GAUGE STEEL. THE PERMANENT UNITS SHALL BE A CONCENTRIC STEEL CYLINDER BEARING. TAMPER RESISTANT FASTENERS SHALL BE USED. IT SHALL NOT BE POSSIBLE TO ENTER THE UNIT OR REMOVE ANY COMPONENT WITHOUT A SPECIAL BITE-MENCH DESIGNED FOR THIS PURPOSE. THESE BITE-MENCHES 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 IULC STANDARDS.

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 20 YEARS. ALL ELECTRICAL COMPONENTS SHALL HAVE QUALITY CONNECTION TERMINALS FOR BEST CONNECTION. THE UNITS SHALL REQUIRE 120VAC/50/60 HZ AND DRAW A MINIMUM OF 1000 WATTS. THE UNITS SHALL REQUIRE 120VAC/50/60 HZ AND DRAW A MINIMUM OF 1000 WATTS. THE UNITS SHALL REQUIRE 120VAC/50/60 HZ AND DRAW A MINIMUM OF 1000 WATTS. THE UNITS SHALL REQUIRE 120VAC/50/60 HZ AND DRAW A MINIMUM OF 1000 WATTS. THE UNITS SHALL REQUIRE 120VAC/50/60 HZ AND DRAW A MINIMUM OF 1000 WATTS.

FINISH
 THE UNIT SHALL BE FINISHED WITH A COATING PROCESS KNOWN TO BE HIGHLY GRAFFITI RESISTANT AND UV RESISTANT.
WARRANTY
 THE UNIT SHALL BE WARRANTED FOR A PERIOD OF TWO (2) YEARS.

LIGHTS
 VALUE LED STROBE LIGHT SHALL BE LOCATED AT THE TOP OF THE PERMANENT MOUNTED UNITS. THE WALL AND POLE MOUNTED UNITS SHALL BE ABLE TO PRODUCE A MINIMUM OF 60 FLASHES PER MINUTE AND SHOULD BE VISIBLE IN DAYLIGHT FROM AN DISTANCE OF 25 METERS. FACE PLATES SHALL BE CONTINUOUSLY LIT BY ULTRA-BRIGHT LED. THE UNIT SHALL HAVE LED INDICATORS FOR THE HEARING IMPAIRED.

CAMERAS
 CAMERAS SHALL HAVE THE OPTION OF AN IRIS/PTZ CAMERA, COSECT CAMERA, CAMERA/PTZ 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 WIRE NETWORK AND ACHIEVE SECURE COMMUNICATIONS TO EACH UNIT. SIGNAL STRENGTH NOT TO BE LOWER THAN 10 DBM. EACH UNIT TO HAVE ITS OWN NUMBER. THE UNIT SHALL BE IDENTIFIED ON THE MAIN SYSTEM AND BE ABLE TO OPERATE OVER A WIRE NETWORK AND ACHIEVE SECURE COMMUNICATIONS TO EACH UNIT. SIGNAL STRENGTH NOT TO BE LOWER THAN 10 DBM. EACH UNIT TO HAVE ITS OWN NUMBER. THE UNIT SHALL BE IDENTIFIED ON THE MAIN SYSTEM AND BE ABLE TO OPERATE OVER A WIRE NETWORK AND ACHIEVE SECURE COMMUNICATIONS TO EACH UNIT.

WIDE EMERGENCY BROADCAST SYSTEM
 OPTIONAL 8 WATT SPEAKER ARRAY MOUNTED ON TOP OF TOWER UNIT. SYSTEM TO BE WEATHERPROOF AND VANDAL PROOF. CONNECT TO SWITCHBOARD CONTROL OVER NETWORK. VOLUME TO BE ADJUSTABLE.
GRAPHICS
 THE GRAPHICS SHALL BE ADVISABLE ENGINEERING GRADE REFLECTIVE VINYL FOR HIGH VISIBILITY AND DURABILITY.

INSTALLATION
 SHALL BE BY AN APPROVED CONTRACTOR WITH A MINIMUM OF THREE (3) YEARS EXPERIENCE IN INSTALLATION OF EMERGENCY CALL SYSTEMS.
WARRANTY
 THE UNIT SHALL BE WARRANTED FOR A PERIOD OF TWO (2) YEARS.

GENERAL NOTES

- 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.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND BARRICADES TO INSURE THE SAFETY OF THE PUBLIC IN AND AROUND THE WORK AREA.
- ALL SITE-RELATED WORK TO BE CONSTRUCTED TO MEET SPWD UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR TO INSPECT ALL EXISTING CONDITIONS AND NOTIFY CSN FACILITIES MANAGEMENT (CONSTRUCTION MANAGER) OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- 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.
- EXISTING UTILITY LOCATIONS SHOWN HEREIN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S 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.

LEGEND:

- POLE MOUNTED CALL BOX
- TOWER CALL BOX
- ▲ BUILDING MOUNTED CALL BOX
- ⓔ CALL BOX LOCATION

KEY NOTES

- INSTALL POLE MOUNTED CALL BOX & BLUE LIGHT TO EXISTING LIGHT POLE PER MFG. RECOMMENDATION. CONNECT TO EXISTING LIGHT POLE POWER CIRCUIT.
- INSTALL BLDG. MTD. CALL BOX & BLUE LIGHT TO EXISTING BUILDING PER MFG. RECOMMENDATIONS. CONNECT TO BUILDING POWER.
- INSTALL TOWER CALL BOX PER MFG. RECOMMENDATIONS. INSTALL UNDERGROUND CONDUIT TO NEAREST LIGHT POLE OR BUILDING FOR POWER CONNECTION.
- INSTALL WIDE EMERGENCY BROADCAST SYSTEM ON TOP OF TOWER
- INSTALL CAMERA - HARDWARE TO BUILDING
- 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: HENDERSON
Rm(s) Area: SITE
Project:
QUICK RESPONSE EMERGENCY CALL BOX



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SEAL:

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Job #: HC-11045C
Dwg. Name: C1-01-SITEPLAN
Drawn: NISS
Date: 11/21/11
Scale: 1"=100'

Sheet Title:
SECURITY SITE PLAN

Sheet:
C1.01