



# INVITATION FOR BID

City of Suffolk  
IFB #17001-CN  
July 29, 2016  
Purchasing Division  
442 West Washington Street, Room 1086  
Suffolk, VA 23434  
Phone: (757) 514-7522 Fax: (757) 514-7524  
<http://www.suffolkva.us/purchasing>

## ADDENDUM NO. 2

### Storage Building for Mosquito Control

IFB No. 17001-CN has been amended to include the following additional information and clarification of specifications in response to questions posed at the Mandatory Pre-Bid Conference held on July 14, 2016 and any subsequent questions:

1. Correct typo under SCOPE OF WORK on Page 3. "Caroling" Road should be "Carolina" Road.
2. Keys to the storage building must be keyed to match the current Master Key by Yale. This information will be provided to the successful bidder by the Department of Public Works Traffic Engineering Division.
3. Silt fencing is NOT required for this project; only inlet protection at the downstream inlet locations will be needed.
4. A copy of specifications/drawings for the "Streets Building Expansion Site" (Drawing E501, Drawing C301; and Drawing C301A) are attached. (See Attachment B.) Work for this project will be adjacent to the work site for the "Streets Building Expansion" project, and jobs may be occurring simultaneously.
5. The Contractor will be responsible for obtaining and paying for any needed permits. A building permit will be required. Site plans will NOT be required.
6. The storage building will not have any HVAC. The purpose of the building is for storage only.
7. The roll-up door will be manual. No motor or electrical connection will be required.
8. Water utility is not a part of this project but is supplied by the Street Building Expansion Project. Standard utility protection requirements shall be applicable.
9. Electrical installation/hookups will be for lights only.

10. Water and electric hookups required will originate from the Public Works Operation Center.
11. A designated lay-down area will be available adjacent to the work site.
12. There are no Davis-Bacon Wages requirements, since the project is not funded by Federal monies
13. Pick-up point for electrical connection is shown in the attached Attachment A - "Modification to Drawings/Specifications – Storage Building for Mosquito Control." Substitute Drawings E-1, E-2, E-3, and E-4 for the original Drawings/Specifications.
14. All work shall be coordinated with the City and Virtexco who will be working on the "Streets Building Expansion Project" adjacent to the storage building work site.
15. An apron for the storage building is hereby included in the plans. The building will be moved back eight feet (8') behind the existing curb line. The curb in front of the building shall be removed. The building will be set at the same elevation as the existing curb line, and an apron will be constructed between the asphalt at the removed curb line and the relocated building slab. The grade shall be six-inch (6") rise over eight feet (8') in distance (3/4" per foot).
16. Access to the building and project area will be provided to the successful bidder and coordinated with the City.
17. The list of attendees for the Mandatory Pre-Bid Conference held July 14, 2016 is included as Attachment C.
18. The Contractor shall be responsible for keeping the work area clean and free of debris. The Contractor shall provide their own dumpster.
19. Contractor shall provide their own portable toilets.
20. Water will be available for use outside the main building of the Public Works Operation Center. Use of water must be coordinated with the City.
21. Masonry work shall be conducted on the grassy area next to the work site and away from asphalt areas.
22. Additional work hours and weekend work shall be coordinated with the City on a case-by-case basis.
23. The Contractor will be responsible for the final grading and seeding of disturbed areas around the work site. Approved grasses will include rye and fescue.
24. Block provided will be regular CMU block and should match the block of the dumpster area adjacent to the work site.
25. Acceptable time schedule for completion of work shall be 60 to 90 days.

26. The City's required insurance coverage does not ask for "Builder's Risk" insurance. The insurance requirements specified have been approved, as listed, by the City's Risk Manager.
27. A question was raised concerning discrepancies in specifications for circuit breakers in the original drawings. These discrepancies have been addressed in the attached ""Modification to Drawings/Specifications – Storage Building for Mosquito Control" in Attachment A.
28. Plans for erosion and sedimentation control, building elevations, storm water management plans, soil borings, bearing capacity requirements, and other Department of Environmental Quality requirements will not be provided by the City. They are not required for this project.
29. A certified check for 5% of the bid total will be accepted by the City in lieu of the bid bond.
30. Inspections required in Drawing S-1 will be provided by the City.
31. Any construction submittals required from the successful bidder for this project will be submitted directly to the City Project Manager, Robert Lewis.

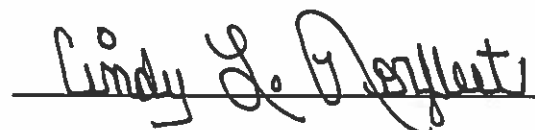
The following Attachments/Modifications are hereby included with the Invitation for Bid:

- Attachment A – Modification to Drawings/Specifications – Storage Building for Mosquito Control
- Attachment B - Streets Building Expansion Site Project
- Attachment C - Attendees at Mandatory Pre-Bid Conference on July 14, 2016

The dated for receipt of bids is hereby extended until 3:00 p.m. August 16, 2016.

The Bidder will be required to acknowledge his/her receipt and acceptance of Addendum Number 2 on the BID FORM.

If you have any questions regarding this Addendum, please contact Cindy Norfleet, Senior Buyer, at (757) 514-7522.



Cindy L. Norfleet, CPPB, Senior Buyer

# **ATTACHMENT A**

## ***Modification to Drawings/Specifications Storage Building for Mosquito Control***

### GENERAL ELECTRICAL NOTES

GENERAL: UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL WORK SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL SAFETY CODE (NECS), AS ADOPTED AND AMENDED THROUGH LOCAL ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL SAFETY CODE (NECS), AS ADOPTED AND AMENDED THROUGH LOCAL ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL SAFETY CODE (NECS), AS ADOPTED AND AMENDED THROUGH LOCAL ORDINANCES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

5. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL SAFETY CODE (NECS), AS ADOPTED AND AMENDED THROUGH LOCAL ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

7. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL ELECTRICAL SAFETY CODE (NECS), AS ADOPTED AND AMENDED THROUGH LOCAL ORDINANCES.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE.

### ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
☐	FLUORESCENT LIGHTING FEATURE
△	UPWARD POINTING TRIANGLE TYPE SYMBOL, SEE LIGHTING FEATURE DETAIL THIS SHEET
○	SHIELD POLE SWITCH POLE, 120/277V, 8" AFF. COIL
●	WALL MOUNTED FRET RESISTING SURFACE HEATING ROOM MOTOR CONNECTION
○	ELECTRICAL PANEL/BOARD
○	WEATHERPROOF JUNCTION BOX
○	ELECTRICAL CONDUIT RUN IN CONDUIT AND CONDUIT HANGERS TO PANEL/BOARD
○	PHASE INDICATION, EACH SINGLE PHASE CONDUIT SHALL HAVE 1/4" DIAMETER PAINTED BANDS AT 4' ONSECTIONS AND 1/2" ONSECTIONS AS REQUIRED FOR ALL THE PHASES OF ELECTRICAL LOADS. PHASES SHALL BE IDENTIFIED BY COLOR: PHASE A (RED), PHASE B (BLUE), PHASE C (GREEN). CONDUIT SHALL BE IDENTIFIED BY COLOR: PHASE A (RED), PHASE B (BLUE), PHASE C (GREEN). CONDUIT SHALL BE IDENTIFIED BY COLOR: PHASE A (RED), PHASE B (BLUE), PHASE C (GREEN).

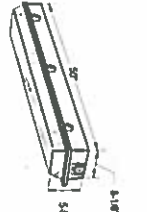
### HVAC LEGEND

---	INDICATES ELECTRICAL CONDUIT RUN IN UNINSULATED CONDUIT
○	PROVIDE COOLING ONLY ADJUSTABLE LINE VOLTAGE THERMOSTAT WITH AUTO-OFF CONTROL, LOCATED PERPENDICULARLY TO THE LINE, 30" MAX. ABOVE THE SPACE TEMPERATURE SENSOR. THE SENSOR SHALL COOL THE SPACE TO 65°F.
○	PROVIDE COOLING ONLY ADJUSTABLE LINE VOLTAGE THERMOSTAT WITH AUTO-OFF CONTROL, LOCATED PERPENDICULARLY TO THE LINE, 30" MAX. ABOVE THE SPACE TEMPERATURE SENSOR. THE SENSOR SHALL COOL THE SPACE TO 65°F.
○	PROVIDE COOLING ONLY ADJUSTABLE LINE VOLTAGE THERMOSTAT WITH AUTO-OFF CONTROL, LOCATED PERPENDICULARLY TO THE LINE, 30" MAX. ABOVE THE SPACE TEMPERATURE SENSOR. THE SENSOR SHALL COOL THE SPACE TO 65°F.
○	WALL MOUNTED PREVENTER EXHAUST FAN, GREENHECK SE OR APPROVED EQUAL, 10" RATED, 115V, 1/2 HP, 1/2" RISE, 1/2" FALL IN THE SPACE TEMPERATURE BELOW IT. THE DRIVE SHALL COOL THE SPACE TO 65°F.
○	WALL MOUNTED PREVENTER EXHAUST FAN, GREENHECK SE OR APPROVED EQUAL, 10" RATED, 115V, 1/2 HP, 1/2" RISE, 1/2" FALL IN THE SPACE TEMPERATURE BELOW IT. THE DRIVE SHALL COOL THE SPACE TO 65°F.
○	WALL MOUNTED PREVENTER EXHAUST FAN, GREENHECK SE OR APPROVED EQUAL, 10" RATED, 115V, 1/2 HP, 1/2" RISE, 1/2" FALL IN THE SPACE TEMPERATURE BELOW IT. THE DRIVE SHALL COOL THE SPACE TO 65°F.
○	WALL MOUNTED PREVENTER EXHAUST FAN, GREENHECK SE OR APPROVED EQUAL, 10" RATED, 115V, 1/2 HP, 1/2" RISE, 1/2" FALL IN THE SPACE TEMPERATURE BELOW IT. THE DRIVE SHALL COOL THE SPACE TO 65°F.
○	WALL MOUNTED PREVENTER EXHAUST FAN, GREENHECK SE OR APPROVED EQUAL, 10" RATED, 115V, 1/2 HP, 1/2" RISE, 1/2" FALL IN THE SPACE TEMPERATURE BELOW IT. THE DRIVE SHALL COOL THE SPACE TO 65°F.

### ABBREVIATIONS

A	AMPERE
A/C	ALUMINUM COATED CONDUIT UNIT
AF	ABOVE FINISHED FLOOR
AFB	ABOVE FINISHED GRADE
AW	AREA W/ PAVEMENT
AWP	AREA W/ PAVEMENT UNIT
AC	ALUMINUM INTERTRYPING CAPACITY
C	CONDUIT
DWP	COMMUNICATION POWER
EBU	EMERGENCY BATTERY UNIT
EC	EMERGENCY CONDUIT
ECB	ENCLOSURE BREAKER
ETI	EXISTING TO REMAIN
FR	FRIGIDATION AC CROSSOVER
FLA	FULL LOAD AMP
GF	GROUND FAULT INTERRUPTER
QRO	GROUND
HP	HORSE POWER/WATT PLAMP
MAC	THOUSAND AMPERE INTERRUPTING CAPACITY
MA	MAINTENANCE
RV	REOVOLTS
WCA	WALL MOUNTED CONDUIT
WCB	WALL MOUNTED BREAKER
WFP	WALL MOUNTED FRET
WMO	WALL MOUNTED ONLY
WTD	WALL MOUNTED
NFC	NOT IN CONDUIT
MC	METAL CLAD
OC	OVER CURRENT PROTECTOR RESTRICTION
PO	PHASE
P	POLE
TTP	TELEPHONE DROPOUND
TRP	TRYPICAL
UOM	UNLESS OTHERWISE NOTED
V	VOLTS
W	WALLSWITCH
WP	WALLSWITCHPOOR

### WET LOCATION FLUORESCENT

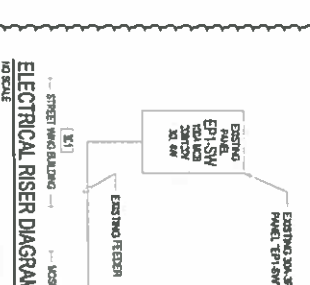


- HOLDING SHALL BE FORMED FROM HIGH IMPACT RESISTANT, UNREINFORCED POLYESTER FIBERGLASS PROVIDING AN INTERNALLY LOCATED STEEL CHANNEL TO HOUSE THE BALLAST AND TO LOCATE LAMP SOCKETS. STEEL SHALL BE 3/16" THICK GALVANIZED AND CHEMICALLY TREATED FOR RUST PREVENTION AND PAINTED WITH A BAKED WHITE DUREL PRIMER.
- FIXTURE SHALL BE FULLY GASKETED AND UL APPROVED FOR WET LOCATIONS.
- FIXTURE SHALL BE CAPABLE OF CONTINUOUS ROYALMO SINGLE UNIT PLACEMENT WITH POINT-ON SURFACE MOUNTING.
- IF ANY SPILL OF LIQUID IMPACT ACCIDENTS OCCURS WITH STAINLESS STEEL CURTAIN LATCHES.
- BALLAST SHALL BE ELECTRONIC, HIGH POWER FACTOR, 3, 20 W/VA 270-0V, AND DESIGNED TO OPERATE THROUGH THE SHIPBOARD POWER SYSTEM. BALLAST SHALL BE DESIGNED TO OPERATE IN ACCORDANCE WITH THE IEC 60080-1 AND IEC 60080-2 SURFACE MOUNTING ON POINT MOUNTED WITH IRON STEEL.

TYPE	WAMP #	WAMP TYPE	SPACED TENTS	VOLUME	WETTING
△	2	FRONT	00	10277	SURFACE UNDERSOLE OF TRUSS

### PANELBOARD P SCHEDULE

LOAD SERVICE	SPACED TENTS	WAMP #	WAMP TYPE	SPACED TENTS	VOLUME	WETTING		
LOAD SERVICE	01	A	B	C	01	A	B	C
RECEPTACLES	01	1	2	3	01	1	2	3
LOAD SERVICE	01	A	B	C	01	A	B	C
RECEPTACLES	01	1	2	3	01	1	2	3
LOAD SERVICE	01	A	B	C	01	A	B	C
RECEPTACLES	01	1	2	3	01	1	2	3
LOAD SERVICE	01	A	B	C	01	A	B	C
RECEPTACLES	01	1	2	3	01	1	2	3
TOTAL	01	1	2	3	01	1	2	3



ELECTRICAL RISER DIAGRAM

NO SCALE

ISSUED FOR: MARK DATE:

OWNER REVIEW: 04/20/2018

PERMIT AND CONSTRUCTION: 06/01/2018

ADDENDUM #1: 07/25/2018

MOSQUITO CONTROL BUILDING

**SUFFOLK PUBLIC WORKS**

LEGEND, NOTES AND ABBREVIATIONS

HBA ARCHITECTURE & INTERIOR DESIGN, INC.

ONE COLUMBUS CENTER, SUITE 1000

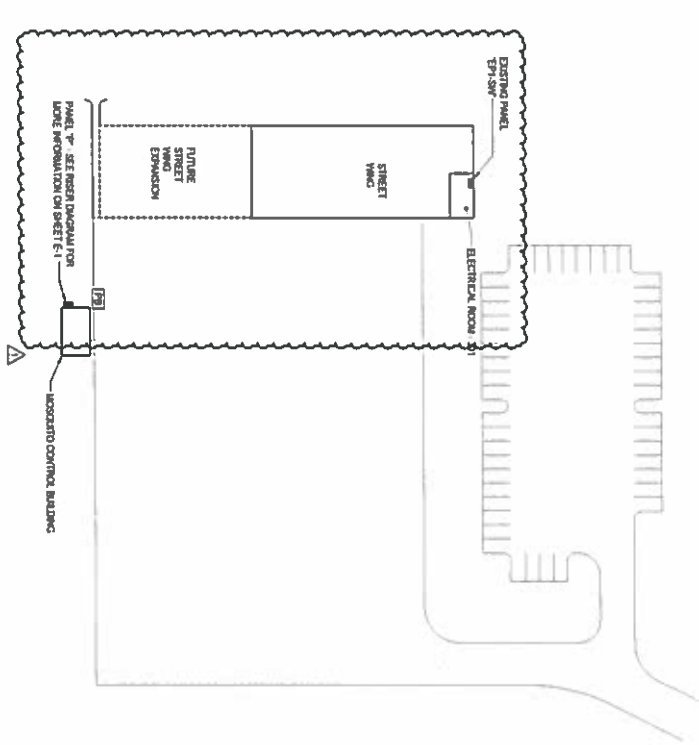
VIRGINIA BEACH, VIRGINIA 23462

PHONE: (757) 490-8048

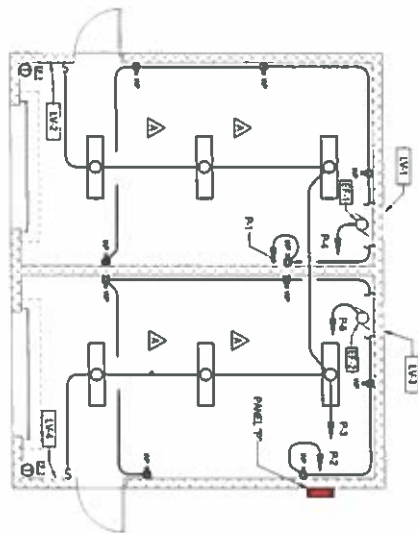
FAX: (757) 490-7081

E-1

18013.02



**PARTIAL SITE PLAN**  
SCALE: 1" = 6'-0"



**ELECTRICAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



GRAPHIC SCALE



**E-2**

ISSUED FOR:	MARK:	DATE:
OWNER REVIEW		04/20/2018
PERMIT AND CONSTRUCTION		08/01/2018
ADDENDUM #1		07/25/2018



MOSQUITO CONTROL BUILDING  
**SUFFOLK PUBLIC WORKS**  
 SUFFOLK, VA  
**ELECTRICAL FLOOR AND SITE PLANS**

HBA ARCHITECTURE & INTERIOR DESIGN, INC.  
 ONE COLUMBUS CENTER, SUITE 1000  
 VIRGINIA BEACH, VIRGINIA 23462  
 PHONE (757) 490-8048  
 FAX: (757) 490-7081







**SPECIFICATIONS**

**M. SLEEVES:** ALL ELECTRICAL STEEL CONDUIT SHALL HAVE SLEEVES WHERE CONDUIT IS PASSED THROUGH CONCRETE SLABS IN CONTACT WITH GROUND. ALL CONDUIT THROUGH AND UNDER CONCRETE SLEEVES SHALL BE PROTECTED WITH GROUND SLEEVES WHERE THE CONDUIT PASSES THROUGH WALLS. THE END OF EACH WALL CONSTRUCTION SLEEVES SHALL BE CONSTRUCTED OF GALVANIZED STEEL PIPE. EXPANDED 40 POUND EPOXY RESIN PLAST FOR ALL EXPOSED CONDUIT JOINTS TO PROTECT WALLS FROM MOISTURE INGRESS. THE FLOOR SURFACE PROMOTE DEEP RECESSED PLATES TO CONCEAL THE SLEEVES. TERMINATE SLEEVES WITH WALL PARTITIONS AND CEILING. IN AREAS WHERE CONDUITS ARE CONCEALED AS IN CHASES, TERMINATE SLEEVES WITH FLOOR PARTITIONS. WHERE SLEEVES ARE EXPOSED EXTERIOR CONDUIT SHALL BE PROTECTED WITH GROUND SLEEVES. THE WALL NOT RECESSED DEEP ENOUGH WHERE CONCRETE IS POURED ON OTHER CONSTRUCTION SHALL PROTECT FROM REINFORCEMENT AND CONDUIT THROUGH THE RAILING RATED WALLS PROMOTE FROM REINFORCEMENT AND CONDUIT THROUGH THE RAILING.

**SECTION 26-04 PANELBOARDS**

**A. PANELBOARDS:** PANELBOARDS SHALL BE EXposed-FRONT CIRCUIT BREAKER EQUIPPED WITH THE RATINGS AND FRAME SIZE AS SHOWN ON THE DRAWINGS. ALL CIRCUIT CARRYING PARTS OF THE BUS ASSEMBLY SHALL BE PLATED.

**B. EXposed-FRONT BOARD:** SHALL BE PROVIDED WITH A HINGED COVER WITH A LATCH AND LOCK WITH TWO KEYS AND KEYSHIMS. THE SAME AS ALL OTHER PANELBOARDS. ENTIRE FRONT PANEL SHALL BE FINISHED TO MATCH WITH STAINLESS STEEL WITH HINGED TRIM COVER. EACH PANEL SHALL BE EQUIPPED WITH TYPE WRITTEN IN DIRECTION CANNOT HOLDER, TRAVELER PROTECTION AND COMPLETE IDENTIFYING DATA COMPOSE OF DOOR.

**C. PANELBOARDS:** SHALL BE RATED TO SERVICE 2, THE RATED OR CHARGE RATING FOR EACH KEYSHIM NORMAL KEYSHIM OR OTHER PRODUCTS OF COLLIER-HAMMER, SHERMAN OR GE.

**D. CIRCUIT BREAKERS:** SHALL BE PROVIDED AS NOTICED ON DRAWINGS AND BE FULLY COMPLIANT WITH THE NATIONAL ELECTRICAL SAFETY CODE (NFPA 70) AND LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED.

**1. CIRCUIT BREAKERS:** SHALL BE SINGLE POLE, DOUBLE POLE OR THREE POLE. THE MAXIMUM RATED CURRENT SHALL BE 100 AMPERE. THE CIRCUIT BREAKER SHALL BE PROVIDED WITH A HINGED COVER WITH TWO KEYS AND KEYSHIMS. THE SAME AS ALL OTHER PANELBOARDS. ENTIRE FRONT PANEL SHALL BE FINISHED TO MATCH WITH STAINLESS STEEL WITH HINGED TRIM COVER. EACH PANEL SHALL BE EQUIPPED WITH TYPE WRITTEN IN DIRECTION CANNOT HOLDER, TRAVELER PROTECTION AND COMPLETE IDENTIFYING DATA COMPOSE OF DOOR.

**2. CIRCUIT BREAKERS:** SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. CIRCUIT BREAKERS SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. CIRCUIT BREAKERS SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. CIRCUIT BREAKERS SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**SECTION 26-05 WIRING DEVICES**

**A. WIRING DEVICES:** SHALL BE SPECIFICATION GRADE, AS MANUFACTURED BY GENERAL ELECTRIC, SALTER MEDICAL, ARROWHART, BRYANT, HUBBELL OR PULS & SEYMOUR.

**B. LOCAL SWITCHES:** SHALL BE SINGLE POLE, DOUBLE POLE, THREE WAY AND FOUR WAY AS SHOWN ON THE DRAWINGS. BLACK PLASTIC OR VINYL PLASTIC COVER AND BROWN PLASTIC HANDLE. BACK ON SIZE 1/2 INCH, 1/2 INCH, 1/2 INCH.

**C. DEFECT CORRECTION:** RECEIPT SHALL BE PLASTIC, 20 AMPERE, 125 VOLTS, 1 POLE, 3 WIRE NEKA AND AS A STANDARD, GROUNDING TYPE.

**D. WEATHERPROOF RECEIPT:** SHALL BE IN CONTACT WITH GROUND, WEATHERPROOF, CAST METAL CONSTRUCTION AND COATED WITH IN USE COVER.

**E. GROUND FAULT CIRCUIT INTERRUPTER RECEIPTS:** SHALL CONFORM TO IEC, SHALL BE LISTED, BROWN PLASTIC, SHALL HAVE A PUSH-TO-TEST BUTTON AND VISIBLE INDICATION OF A TRIPPED CONDITION.

**F. STEEL PLATES:** SHALL BE PROVIDED ON ALL SETTINGS. SHALL BE ZINC-COATED SHEET STEEL, HAVING ROUNDED OR BEVELLED EDGES. COFINISHED WITH PLATES SHALL BE TYPE 302 STAINLESS STEEL WITH BEVELLED EDGES.

**SECTION 26-06 MOTORS AND MOTOR CONTROL**

**A. MOTORS:** MOTORS SHALL CONFORM WITH ALL APPLICABLE NEMA MOTIL REQUIREMENTS. DETERMINE SPECIFIC MOTOR CHARACTERISTICS AND PROVIDE CORRECTLY SIZED STARTERS AND OVERLOAD DEVICES.

**B. MOTOR SIZES:** PROVIDE SIZE FOR DATA TO BE DETERMINED. NOT EXCEEDING THE SPECIFIED CAPACITY UNDER MOST SERVICE CONDITIONS. MOTOR SHALL BE INSTALLED WITH MOTOR SIZE PROVIDED UNLESS OTHERWISE NOTICED ON DRAWINGS. MAKE ADJUSTMENTS TO TORQUE, DISCONNECT DEVICES, AND BRANCH CIRCUIT PROTECTION TO ACCOMMODATE EQUIPMENT ACTUALLY PROVIDED.

**C. MOTOR CONTROLLER:** MOTOR CONTROLLER SHALL CONFORM WITH ALL APPLICABLE UL AND NEMA STANDARDS. CONTROLLER SHALL HAVE SOLID STATE OVERLOAD PROTECTION IN EACH PHASE WITH PHASE OUTLINE AND PHASE REVERSAL PROTECTION. MOTOR CONTROLLER SHALL HAVE UNDERLOAD PROTECTION CONNECTIONS TO MOTOR. MOTOR CONTROLLER SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED.

**D. MANUAL MOTOR STARTERS AND MOTOR MAINT SWITCHES:** PROVIDE NUMBER OF PHASES NOTICED ON DRAWINGS OVERLOAD PROTECTION WHEN SPECIFICALLY NOTICED ON THE DRAWINGS OTHERWISE RECEIVED BY THE DESIGN CONSULTANT WITH THE MOTOR. MOTOR CONTROLLER SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED.

**E. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**F. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**G. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**H. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**SECTION 26-07 LIGHTING FIXTURES**

**A. FIXTURES:** FIXTURES SHALL BE AS NOTICED IN SCHEDULE.

**B. LUMPS:** UNLESS OTHERWISE NOTICED, LAMP SHALL BE 120 VOLTS, 100 WATT, PROTECTED FOR MOISTURE AND ENERGY SAVER. COOL WHITE FLUORESCENT.

**C. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**D. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**SECTION 26-08 LIGHTING FIXTURES**

**A. FIXTURES:** FIXTURES SHALL BE AS NOTICED IN SCHEDULE.

**B. LUMPS:** UNLESS OTHERWISE NOTICED, LAMP SHALL BE 120 VOLTS, 100 WATT, PROTECTED FOR MOISTURE AND ENERGY SAVER. COOL WHITE FLUORESCENT.

**C. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**D. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**SECTION 26-09 LIGHTING FIXTURES**

**A. FIXTURES:** FIXTURES SHALL BE AS NOTICED IN SCHEDULE.

**B. LUMPS:** UNLESS OTHERWISE NOTICED, LAMP SHALL BE 120 VOLTS, 100 WATT, PROTECTED FOR MOISTURE AND ENERGY SAVER. COOL WHITE FLUORESCENT.

**C. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**D. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**SECTION 26-10 LIGHTING FIXTURES**

**A. FIXTURES:** FIXTURES SHALL BE AS NOTICED IN SCHEDULE.

**B. LUMPS:** UNLESS OTHERWISE NOTICED, LAMP SHALL BE 120 VOLTS, 100 WATT, PROTECTED FOR MOISTURE AND ENERGY SAVER. COOL WHITE FLUORESCENT.

**C. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.

**D. BALLAST:** FLUORESCENT BALLAST SHALL BE ETL AND UL APPROVED AND SHALL BE LISTED BY UL AND MEAL STRONG AND SHALL BE RATED LISTED. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES. BALLAST SHALL BE FULLY LISTED FOR THE AVAILABLE FAULT CURRENT RANGES.



HBA ARCHITECTURE & INTERIOR DESIGN, INC.  
ONE COLUMBUS CENTER, SUITE 1000  
VIRGINIA BEACH, VIRGINIA 23462  
PHONE: (757) 480-6648  
FAX: (757) 480-7081

MOSQUITO CONTROL BUILDING  
SUFFOLK PUBLIC WORKS  
SUFFOLK, VA  
SPECIFICATIONS



ISSUED FOR	MARK	DATE
OWNER REVIEW		04/20/2018
PERMIT AND CONSTRUCTION		06/01/2018



E-4

10/13/18



# **ATTACHMENT B**

## ***Streets Building Expansion Site***

REVISION	DATE	BY	CHKD
1	10/20/11	WRA	WRA

STREET LIGHT FEEDER  
 682330400  
 1

CLIENT OR OWNER  
**CITY OF SUFFOLK**

666 CAROLINA ROAD,  
 SUFFOLK, VIRGINIA

DEPARTMENT OF PUBLIC  
 WORKS OPERATIONS  
 COMPLEX

KEY PLAN

CONTRACT NO.

SIGNATURE



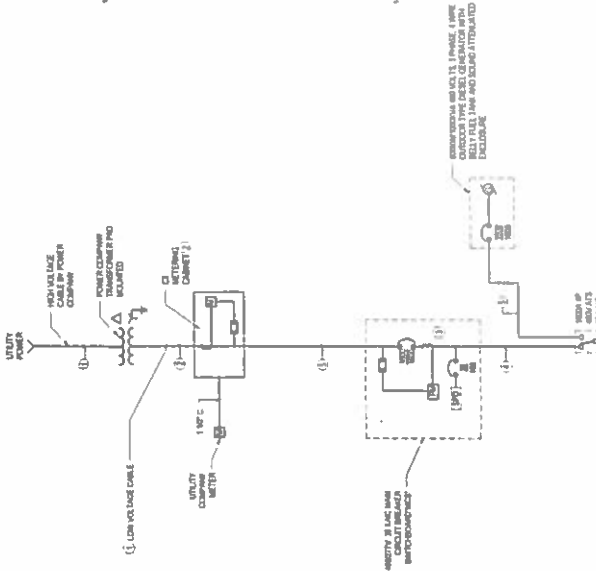

SINGLE LINE DIAGRAM  
 Drawing No. E501

Scale: NOT TO SCALE  
 Date: 10/20/11  
 Drawn: WRA  
 Checked: WRA

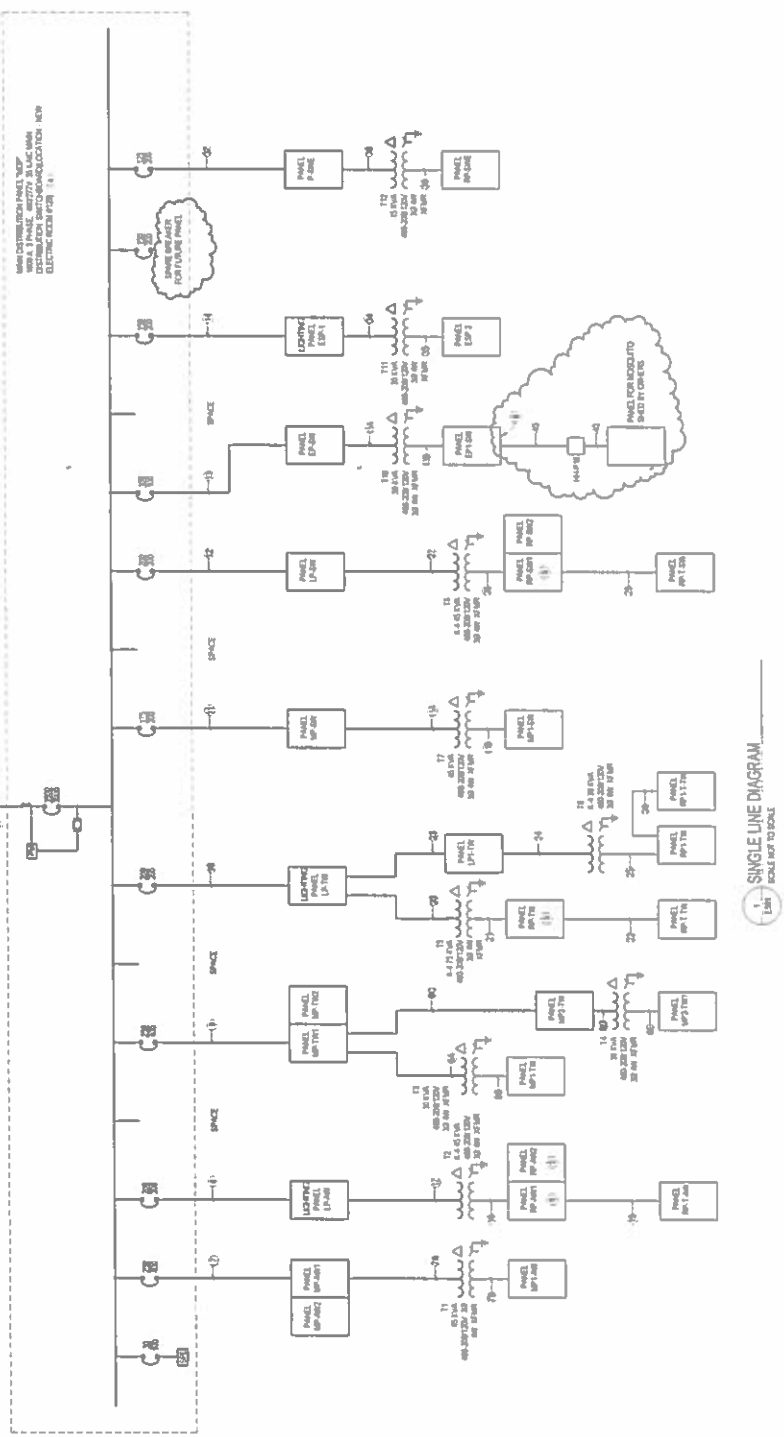
**SPECIAL NOTES**

- (1) PANELS SHALL BE PROVIDED BY POWER COMPANY
- (2) CT CABINET SHALL BE PROVIDED BY CONTRACTOR
- (3) USE INSULATED CASE CIRCUIT BREAKER
- (4) ALL CIRCUIT BREAKERS IN THIS PANEL SHALL BE VOLTAGE CLASS WITHLED
- (5) PHASE TO PHASE SHORTS SHALL BE PROVIDED BY CONTRACTOR
- (6) PROVIDE 3" CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT
- (7) PROVIDE 3" CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT

PROVIDE 3" CLEARANCE AROUND ALL ELECTRICAL EQUIPMENT



FEEDERS	TO	FROM	COMMENTS & WIRE
1	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
2	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
3	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
4	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
5	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
6	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
7	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
8	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
9	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
10	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
11	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
12	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
13	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
14	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
15	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
16	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
17	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
18	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
19	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
20	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
21	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
22	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
23	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
24	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
25	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
26	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
27	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
28	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
29	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
30	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
31	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
32	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
33	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
34	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
35	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
36	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
37	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
38	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
39	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
40	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
41	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
42	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
43	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
44	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
45	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
46	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
47	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
48	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
49	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
50	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
51	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
52	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
53	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
54	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
55	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
56	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
57	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
58	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
59	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
60	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
61	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
62	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
63	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
64	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
65	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
66	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
67	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
68	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
69	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
70	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
71	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
72	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
73	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
74	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
75	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
76	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
77	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
78	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
79	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
80	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
81	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
82	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
83	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
84	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
85	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
86	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
87	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
88	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
89	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
90	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
91	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
92	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
93	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
94	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
95	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
96	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
97	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
98	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
99	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W
100	UTILITY TRANSFORMER	UTILITY TRANSFORMER	480V 3PH 3W



SINGLE LINE DIAGRAM  
 SCALE: NOT TO SCALE



REVISIONS	DATE	BY	DESCRIPTION
1	05/20/2014	JK	ISSUED FOR PERMIT
2	05/20/2014	JK	ISSUED FOR PERMIT
3	05/20/2014	JK	ISSUED FOR PERMIT
4	05/20/2014	JK	ISSUED FOR PERMIT

**CITY OF SUFFOLK**  
**VI**

**800 CAROLINA ROAD,**  
**SUFFOLK, VIRGINIA 23434**

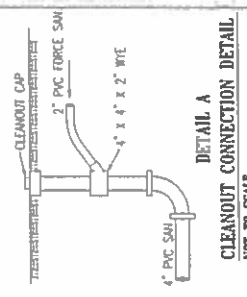
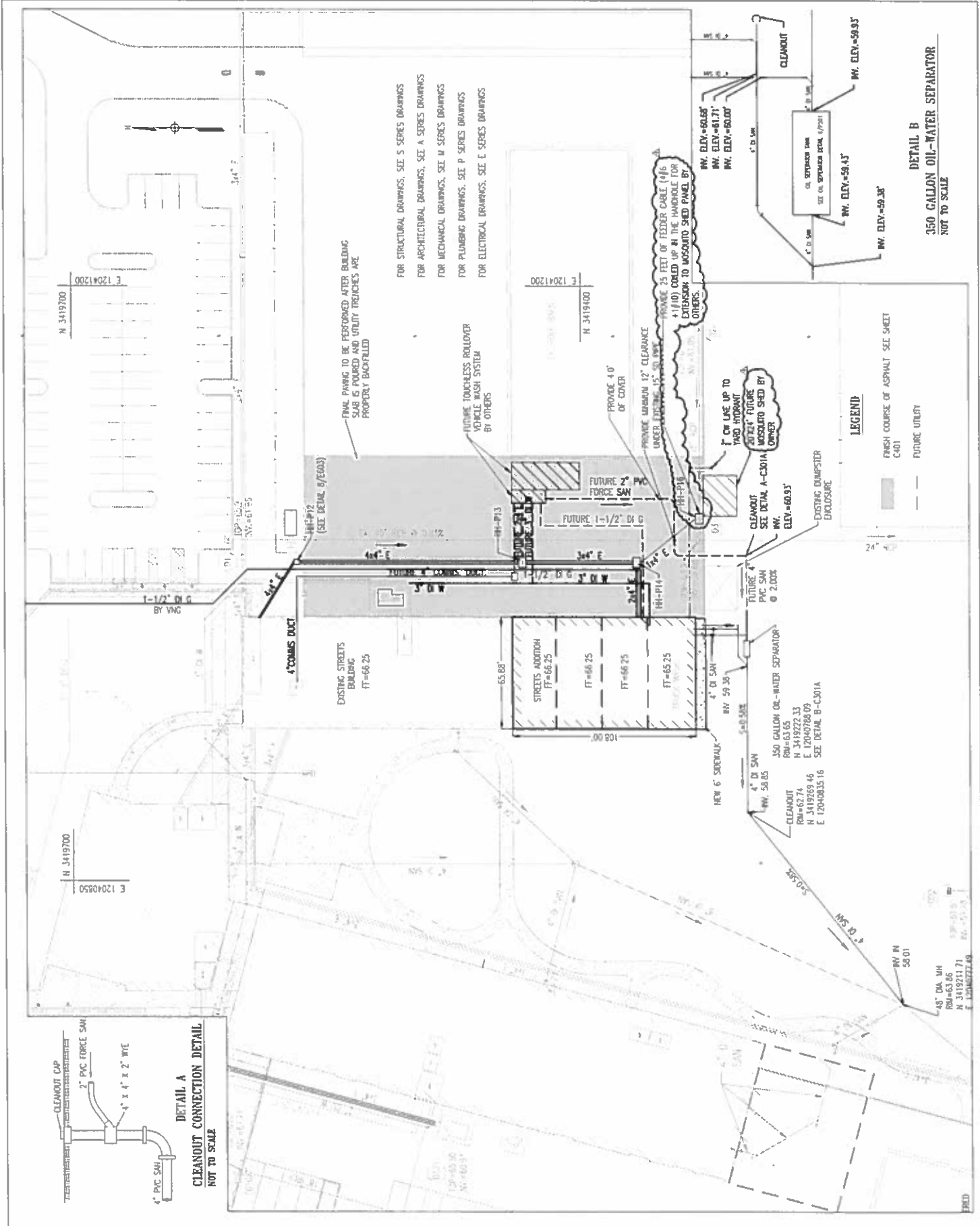
**DEPARTMENT OF PUBLIC**  
**WORKS OPERATION**  
**COMPLEX**



SHEET NO.	1
TOTAL SHEETS	1
DATE	05/20/2014
DESIGNER	JK
CHECKER	JK
DATE	05/20/2014

**350 GALLON OIL-WATER SEPARATOR**  
**NOT TO SCALE**

SHEET NO.	1
TOTAL SHEETS	1
DATE	05/20/2014
DESIGNER	JK
CHECKER	JK
DATE	05/20/2014



FOR STRUCTURAL DRAWINGS, SEE S SERIES DRAWINGS  
FOR ARCHITECTURAL DRAWINGS, SEE A SERIES DRAWINGS  
FOR MECHANICAL DRAWINGS, SEE M SERIES DRAWINGS  
FOR PLUMBING DRAWINGS, SEE P SERIES DRAWINGS  
FOR ELECTRICAL DRAWINGS, SEE E SERIES DRAWINGS

FINAL PAVING TO BE PERFORMED AFTER BUILDING SLAB IS FINISHED AND UTILITY TRENCHES ARE PROPERLY BACKFILLED.

FUTURE TOUCHLESS ROLL-OVER VEHICLE WASH SYSTEM BY OTHERS

PROVIDE 25 FEET OF FEEDER CABLE (1/8\"/>

PROVIDE 4\"/>

PROVIDE 12\"/>

PROVIDE 1\"/>

PROVIDE 1\"/>

PROVIDE 4\"/>

PROVIDE 4\"/>

PROVIDE 4\"/>

EXISTING STREETS BUILDING FT=66.25

STREETS ADDITION FT=66.25

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

NEW 6\"/>

# **ATTACHMENT C**

## ***Pre-Bid Conference Attendees***

# MANDATORY PRE-BID CONFERENCE

Storage Building for Mosquito Control

10:00 a.m. July 14, 2016

	NAME	COMPANY	PHONE NUMBER	FAX NUMBER	E-MAIL
1.	CINDY NOBLEST Cindy Noblest Mark Mills	CITY OF SUFFOLK Galaxy Const GC Commercial	514-7522 757-421-3305 757-213-5190	514-7524 421-2566 757-223-5036	CINDY.FLEET@SUFFOLK.VIR.US mark@gc-commercial.com
3.	Ben Harrah	Virtexo	757-404-2071		bharrah@virtexo.com
4.	VICTOR LEONE	VIRTEXCO CORP	757-644-9933	757-466-1115	VLEONE@VIRTEXCO.COM
5.	Alonso Barnes	Triangulac Absecon	757-435-9382		QUEBARNES@charter.net
6.	Gill Nelson	Nelson Enterprises	(757) 642-0395		<del>WTF@NELSONWITNELSONJRD@AHO.COM</del>
7.	Will Roberts	Compa Construction Co.	(757) 858-2184	(757) 858-2187	estimating@compaconstruction.com
8.	DANIEL PLYER	AR CHESON	(252) 338-9171	(252) 338-9172	DANIEL@ARCHESON.COM
9.	Rahn McLaughlin	L&M CONTRACTORS	(757) 523-2490	(757) 523-0425	L&M CONTRACTORS BUILDERS 414 E. GAMBIR. COM
10.	CARLOS BUSTAMANTE	O.A.R. General CONTRACTOR SERVICES	301-300-1775		ORCAR@CONTRACTORSERVICES.COM
11.	Willy Kenilla	Willy General	301-740-6751		willycontractors@sigmail.com
12.	Keith Hill	RepairTech	757-569-7752		Keith.hill@repairtechllc.com
13.	Robert Parker	Contracting Solutions, Inc.	757-545-8655	757-321-4524	sarah@csi-db.com



316-543-1111  
my.com

14.	Joe Ketchum	Associated Contractors	757-465-1440	757-465-2873	jketchum@associatedcontractors.com
15.	Parlon McTuney	Horizon Construction Development	757-774-1578		CMCC@uney@HorizonConst.com
16.	Herle Washington	Horizon Construction Development	757-336-0567		hwashington@horizonconst.com
17.	Morgan Wells	Conrad Brothers	757-543-3381	543-4589	bwells@conradbrothers.com
18.	Robert Lewis	PLW	757-514-7603	923-2491	relewis@su@kva.us
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					