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Bid Receiving Public Works and Government  
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V6Z 0B9  
Bid Fax: (604) 775-9381

## SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise  
indicated, all other terms and conditions of the Solicitation  
remain the same.

Ce document est par la présente révisé; sauf indication contraire,  
les modalités de l'invitation demeurent les mêmes.

### Comments - Commentaires

Vendor/Firm Name and Address  
Raison sociale et adresse du  
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution  
Public Works and Government Services Canada - Pacific  
Region  
800 Burrard Street, Room 219  
800, rue Burrard, pièce 219  
Vancouver  
British C  
V6Z 0B9

|   |  |
|---|--|
| <b>Title - Sujet</b><br>IOS Guardhouse  |  |
| <b>Solicitation No. - N° de l'invitation</b><br>F1700-204430/A  | <b>Amendment No. - N° modif.</b><br>001  |
| <b>Client Reference No. - N° de référence du client</b><br>F1700-204430   | <b>Date</b><br>2020-07-14  |
| <b>GETS Reference No. - N° de référence de SEAG</b><br>PW-SPWY-041-8790   |  |
| <b>File No. - N° de dossier</b><br>PWY-0-43025 (041)  | <b>CCC No./N° CCC - FMS No./N° VME</b>   |
| <b>Solicitation Closes - L'invitation prend fin</b><br><b>at - à 02:00 PM</b><br><b>on - le 2020-07-24</b>  | <b>Time Zone</b><br><b>Fuseau horaire</b><br>Pacific Daylight Saving<br>Time PDT |
| <b>F.O.B. - F.A.B.</b><br><b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/> |  |
| <b>Address Enquiries to: - Adresser toutes questions à:</b><br>Sezginalp (PWY), Kipp  | <b>Buyer Id - Id de l'acheteur</b><br>pwy041                                     |
| <b>Telephone No. - N° de téléphone</b><br>(604) 367-5341 ( )  | <b>FAX No. - N° de FAX</b><br>(604) 775-6633                                     |
| <b>Destination - of Goods, Services, and Construction:</b><br><b>Destination - des biens, services et construction:</b><br>DFO - Institute of Ocean Science - Sidney, BC    |  |

Instructions: See Herein

Instructions: Voir aux présentes

|  |  |
|--|--|
| <b>Delivery Required - Livraison exigée</b>  | <b>Delivery Offered - Livraison proposée</b> |
| <b>Vendor/Firm Name and Address</b><br><b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>   |  |
| <b>Telephone No. - N° de téléphone</b><br><b>Facsimile No. - N° de télécopieur</b>   |  |
| <b>Name and title of person authorized to sign on behalf of Vendor/Firm</b><br><b>(type or print)</b><br><b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b><br><b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b> |  |
| <b>Signature</b>   | <b>Date</b>                                  |

Solicitation No. - N° de l'invitation  
F1700-204430

Amd. No. - N° de la modif.  
001

Buyer ID - Id de l'acheteur  
pwy041

Client Ref. No. - N° de réf. du client

File No. - N° du dossier

CCC No./N° CCC - FMS No./N° VME

Solicitation Amendment 001 is raised to issue Addendum 001.

1. Please find Addendum 001 herein.

All other terms and conditions remain unchanged.

*The following Addendum supersedes information contained in drawings and Specifications issued for the project to the extent referenced. The following changes in the tender documents are effective immediately. This Addendum will form part of the contract documents.*

**1.0 DRAWINGS:**

- 1.1 Electrical drawings- replace all with the attached versions (9 sheets)
- 1.2 Electrical drawing revisions (as clouded)
  - E001 (Rev 2) – Title Page, Symbol Legend and Drawing Index:
    - Update** Drawing Index Revisions
  - E002 (Rev 1) – Site Plan:
    - Delete** bond conductor from communications conduit
    - Add** keynote to clarify work done by others
  - E100 (Rev 2) – Guardhouse Area Plan:
    - Delete** bond conductor from communications conduit
    - Adjust** routing of conduits and junction boxes
  - E110 (Rev 1) – Guardhouse Power & Low Tension (Proposed)
    - Delete** bond conductor from communications conduit
    - Delete** Bix blocks from Data Room
    - Revise** keynotes for conduit sleeves to indicate size
    - Revise** notes for data drop requirements to clarify scope
    - Add** plywood backboard to all walls of Shared Services room
    - Add** two data drops at Security Desk for camera joysticks
    - Add** note to clarify communications conduit bend requirements
  - E111 (Rev 1) – Guardhouse Lighting (Proposed)
    - Revise** callout to indicate size of conduit sleeve
  - E120 (Rev 1) – Workshop Upper Level
    - Delete** bond conductor from communications conduit
    - Delete** conduit, fibre and bond conductor between Electrical Room (5205) and Equipment Room and Storage (5226)
    - Delete** fibre patch panel in Equipment Room and Storage (5226)
    - Revise** building conduit exit callout to indicate that the conduit shall tie into existing, capped-off conduit.
    - Add** callout for bonding conductor in Electrical room
  - E500 (Rev 1) – Details and Elevations
    - Delete** building conduit exit elevation
    - Revise** SSC Data rack scope and requirements
  - E501 (Rev 1) – Details (1 of 2)
    - Revise** Type 10 Junction Box Installation Detail
  - E515 (Rev 2) – (Details (2 of 2))
    - Add** keynotes to clarify ground bus bar, grounding conductor, and termination requirements.

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**2.0 SPECIFICATIONS:**

2.1 Section 27 05 26 – Grounding and Bonding for Communications Systems

**Replace** article 1.2.1.1 with:

ANSI/TIA-607-D, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises.

**3.0 BIDDER QUESTIONS:**

n/a

**End of Addendum 01**

**INSTITUTE OF OCEAN SCIENCES  
NEW GUARDHOUSE**

| SYMBOL LEGEND |   |                       | SECURITY / LOW TENSION   |
|---------------|---|-----------------------|--|
| POWER         |   | LIGHTING              |  |
|               | DUPLEX RECEPTACLE (5-15R TYPE UNLESS INDICATED OTHERWISE) |                       | SINGLE POLE SWITCH   |
|               | DUPLEX RECEPTACLE (5-20R)                                 |                       | LOW VOLTAGE SWITCH - SINGLE  |
|               | ISOATED GROUND DUPLEX RECEPTACLE                          |                       | LINE VOLTAGE OCCUPANCY SENSOR SWITCH                                   |
|               | SPLIT RECEPTACLE  |                       | OCCUPANT SENSOR - WALL AND CEILING 2x INDICATES WITH DAYLIGHT SENSOR   |
|               | SINGLE RECEPTACLE   |                       | DOWNLIGHT FIXTURE  |
|               | DIRECT CONNECTION (OR CONNECTION TYPE AS INDICATED)       |                       | 2x2 FIXTURE  |
|               | QUAD RECEPTACLE   |                       | 2FT STRIP  |
|               | SPECIAL RECEPTACLE - TYPE AS INDICATED                    |                       | 4FT STRIP  |
|               | FLOOR RECEPTACLE (DUPLEX)                                 |                       | 2FT WALL FIXTURE   |
|               | CEILING RECEPTACLE (DUPLEX)                               | COMMUNICATIONS        |  |
|               | FLOOR RECEPTACLE (QUAD)                                   |                       | WALL STRUCTURED WIRING OUTLET - # NUMBER OF DROPS                      |
|               | CEILING RECEPTACLE (QUAD)                                 |                       | FLOOR STRUCTURED WIRING OUTLET - # NUMBER OF DROPS                     |
|               | ISOATED GROUND FLOOR RECEPTACLE                           |                       | CEILING STRUCTURED WIRING OUTLET - # NUMBER OF DROPS                   |
|               | ISOATED GROUND CEILING RECEPTACLE                         |                       | WALL TELEPHONE OUTLET - # NUMBER OF DROPS                              |
|               | JUNCTION BOX (WALL, CEILING, IN GROUND)                   |                       | WALL COAXIAL OUTLET - # NUMBER OF DROPS                                |
|               | MOTOR   |                       | FLOOR COAXIAL OUTLET - # NUMBER OF DROPS                               |
|               | PANEL - TYPE AS INDICATED                                 |                       | CEILING COAXIAL OUTLET - # NUMBER OF DROPS                             |
|               | SURFACE MOUNTED PANEL - TYPE AS INDICATED                 |                       | INTERCOM STATION   |
|               | GROUND/BOND BUS BAR                                       |                       | FIBRE OPTIC OUTLET - # NUMBER OF DROPS, SM: SINGLE MODE, MM: MULTIMODE |
|               | CONTROLLER CABINET  | EQUIPMENT IDENTIFIERS |  |
|               | CONDUIT STUB  |                       | INDICATES DEVICE IS ABOVE COUNTER                                      |
|               | CONDUIT UP  |                       | EQUIPMENT IDENTIFIER   |
|               | CONDUIT DOWN  |                       | LUMINAIRE TYPE TAG   |
|               | GROUND ROD COMPLETE WITH INSPECTION WELL                  |                       | DIRECTIONAL LUMINAIRE INDICATOR  |
|               |   | FIRE ALARM            |  |
|               |   |                       | FIRE ALARM NOTIFICATION APPLIANCE                                      |
|               |   |                       | PULL STATION   |
|               |   |                       | FIRE ALARM ANNUNCIATOR   |

| LINE TYPE LEGEND |                              |
|------------------|------------------------------|
| LINE             | DESCRIPTION                  |
| ———              | 120/240V CONDUIT/CABLE       |
| ———              | 347/600V CONDUIT/CABLE       |
| ———              | OVER 600V CONDUIT/CABLE      |
| ———              | COMMUNICATIONS CONDUIT/CABLE |
| ———              | TECK CONDUIT/CABLE           |
| ———              | IN SLAB CONDUIT/CABLE        |

| DRAWING INDEX |   |                                  | REVISION |
|---------------|---|----------------------------------|----------|
| NO.           | TITLE                                     | SYMBOL, LEGEND AND DRAWING INDEX |          |
| E001          | TITLE PAGE                                |                                  | 2        |
| E002          | SITE PLAN                                 |                                  | 1        |
| E003          | SINGLE LINE DIAGRAM (PROPOSED)            |                                  | 0        |
| E100          | GUARDHOUSE AREA PLAN                      |                                  | 2        |
| E110          | GUARDHOUSE POWER & LOW TENSION (PROPOSED) |                                  | 1        |
| E111          | GUARDHOUSE LIGHTING (PROPOSED)            |                                  | 1        |
| E200          | DETAILS OF ROADS                          |                                  | 3        |
| E201          | DETAILS AND ELEVATIONS                    |                                  | 1        |
| E501          | DETAILS (L.O.F. 2)                        |                                  | 2        |
| E515          | DETAILS (L.O.F. 2)                        |                                  | 2        |
| E600          | SCHEDULES                                 |                                  | 0        |

ABBREVIATIONS:

FR - REFRIGERATOR  
COMM. - COMMUNICATIONS  
DDC - DIRECT DIGITAL CONTROL  
F/A - FIRE ALARM  
GFCI - GROUND-FAULT CIRCUIT INTERRUPTER  
MW - MICROWAVE  
SSC - SHARED SERVICES CANADA

## NOTES LEGEND:

1 VS. 1:

INDICATES THAT THE NOTE APPLIES TO THE ENTIRE DRAWING.

INDICATES THAT THE NOTE IS REFERENCED TO A SPECIFIC LOCATION ON THE DRAWING.

[illegible]

**ISSUED FOR TENDER  
NOT FOR CONSTRUCTION**



**FISHERIES AND OCEANS CANADA**  
REAL PROPERTY AND SAFETY AND SECURITY

|  |                |
|--|----------------|
| <b>INSTITUTE OF OCEAN<br/>SCIENCES</b><br><b>NEW GUARDHOUSE</b><br>9860 WEST SAANICH ROAD<br>SIDNEY, BC, V8L 5T5 | SCALE          |
|  | AS NOTED       |
|  | START DATE     |
|  | DRAWING NUMBER |

## **TITLE PAGE, SYMBOL LEGEND AND DRAWING INDEX**

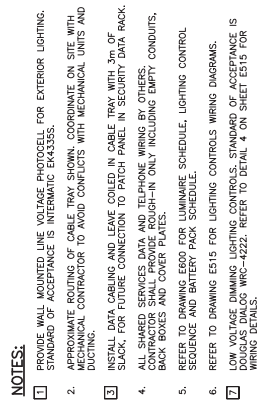
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| REVISION | 1 |
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ALL EQUIPMENT IS PROPOSED  
UNLESS NOTED OTHERWISE

|   |  |  |                                 |                               |                     |   |
|---|--|--|---------------------------------|-------------------------------|---------------------|---|
|  <b>FISHERIES AND OCEANS CANADA</b><br>REAL PROPERTY AND SAFETY AND SECURITY | <b>INSTITUTE OF OCEAN SCIENCES</b><br><b>NEW GUARDHOUSE</b><br>9860 WEST SAANICH ROAD<br>SIDNEY, BC, V8L 5T5 |  | SCALE<br>AS NOTED<br>START DATE | DRAWING NUMBER<br><b>E111</b> | REVISION<br>6 OF 11 | 1 |
|   | <b>GUARDHOUSE LIGHTING</b><br><b>(PROPOSED)</b>  |  |                                 |                               |                     |   |

| REV | DATE       | PK | PRO | ABS | DC | REVISED                    |
|-----|------------|----|-----|-----|----|----------------------------|
| 1   | 2020-07-05 |    |     |     |    | REQUEST FOR MATERIAL PK 01 |
| 0   | 2020-04-28 |    |     |     |    | REQUEST FOR TENDER         |

REVISIONS

| DWG. NO. | DRAWING REFERENCES | NOTES | NO. | DATE |
|----------|--------------------|-------|-----|------|
|          |                    |       |     |      |



1. ITEMS SHOWN IN LIGHT LINETYPE ARE EXISTING TO REMAIN. ITEMS SHOWN IN BOLD ARE TO BE PROVIDED NEW UNLESS OTHERWISE NOTED.
2. COORDINATE EXACT TRANSFORMER LOCATION WITH OWNER.
3. CONTRACTOR SHALL REVIEW FINAL PROPOSED CONDUIT ROUTING WITH OWNER AND OBTAIN APPROVAL PRIOR TO INSTALLATION

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**REAL PROPERTY AND SAFETY AND SECURITY**

**INSTITUTE OF OCEAN  
SCIENCES  
NEW GUARDHOUSE  
9860 WEST SAANICH ROAD  
SIDNEY, BC V8L 5T5**

## WORKSHOP UPPER LEVEL

|          |   |
|----------|---|
| REVISION | 1 |
|----------|---|

RATIO



|          |   |
|----------|---|
| REVISION | 1 |
|----------|---|

REVISIONS

| NO. | DATE |
|-----|------|
|-----|------|

NOTE

|  |  |
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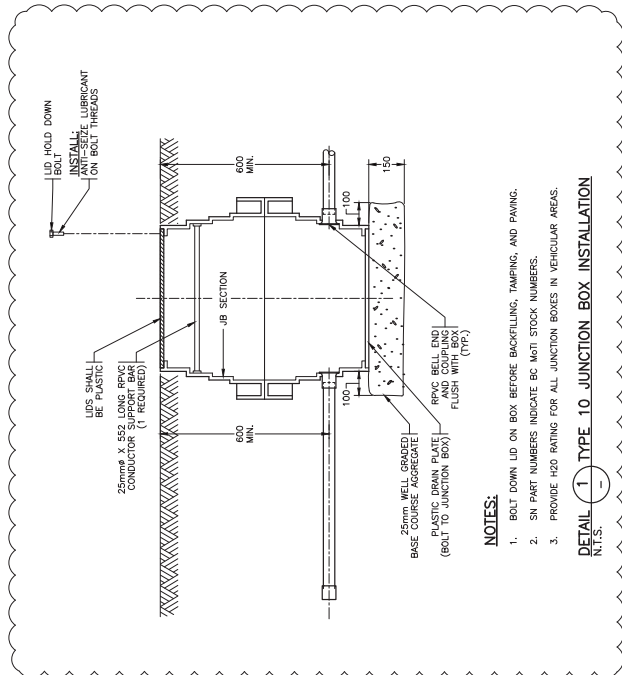
## REFERENCES

DRAWING 1

|        |  |
|--------|--|
| G. NO. |  |
|--------|--|

TYPE 10 JUNCTION BOX

TWO J.B. SECTIONS (SH1847R)  
ONE JUNCTION BOX (SH1848)  
ONE DRAIN PLATE (SH1849)



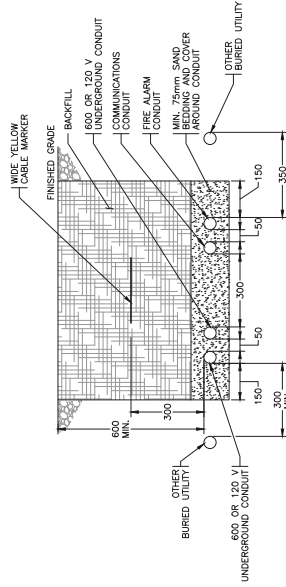
NOTES:

1. BOLT DOWN LID ON BOX BEFORE BACKFILLING, TAMPING, AND PAVING.
2. SH PART NUMBERS INDICATE BC MOTI STOCK NUMBERS.
3. PROVIDE H20 RATING FOR ALL JUNCTION BOXES IN VEHICULAR AREAS.

DETAIL 1 TYPICAL JUNCTION BOX INSTALLATION

N.T.S.

A

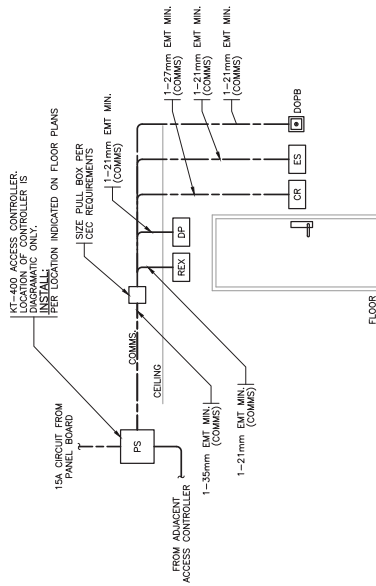


NOTES:

1. COORDINATE WITH CIVIL REQUIREMENTS FOR BACKFILL AND CONDUIT ROUTING DETAILS. COORDINATE PROTECTION OF EXISTING CURBS WITH CIVIL DRAWINGS.

DETAIL 1 TYPICAL DUCTBANK SECTION

N.T.S.



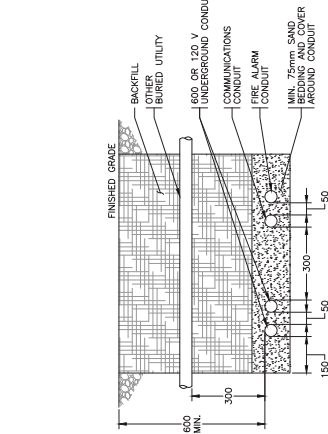
NOTES:

1. CONTRACTOR TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM CONSISTING OF THE ABOVE INDICATED SYSTEMS.
2. PROVIDE POWER FOR THE ACCESS CONTROL SYSTEMS AS REQUIRED.
3. ACCESS SYSTEM IN DRAWINGS, LOCATE JUNCTION BOXES IN ACCESSIBLE CEILING ON FLOOR BELOW.
4. CONTRACTOR SHALL PROVIDE DOOR OPERATOR INTERFACE RELAY WHERE BETA AUTOMATIC DOOR OPERATORS AND CARD READERS ARE INSTALLED ON THE SAME DOOR.

DETAIL 2 TYPICAL SINGLE DOOR

N.T.S.

B

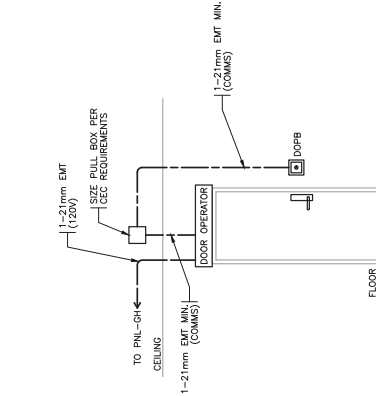


NOTES:

1. COORDINATE WITH CIVIL REQUIREMENTS FOR BACKFILL AND CONDUIT ROUTING DETAILS. COORDINATE PROTECTION OF EXISTING CURBS WITH CIVIL DRAWINGS.

DETAIL 2 TYPICAL DUCTBANK UTILITY CROSSING

N.T.S.

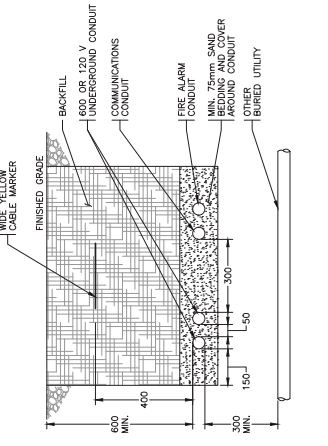


NOTES:

1. CONTRACTOR TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM CONSISTING OF THE ABOVE INDICATED SYSTEMS.
2. WHERE NOTED ON DRAWINGS, LOCATE JUNCTION BOXES IN ACCESSIBLE CEILING ON FLOOR BELOW.
3. MOUNT DOOR OPERATOR PUSHBUTTONS ON WALL MULLIONS.
4. COORDINATE POWER REQUIREMENTS FOR DOOR HARDWARE WITH DOOR HARDWARE CONTRACTOR AND ARCHITECT.

DETAIL 3 TYPICAL ACCESSIBLE SINGLE DOOR

N.T.S.



NOTES:

1. COORDINATE WITH STRUCTURAL DETAILS FOR BACKFILL AND CONDUIT ROUTING DETAILS. COORDINATE PROTECTION OF EXISTING CURBS WITH STRUCTURAL DRAWINGS.

DETAIL 3 TYPICAL DUCTBANK UTILITY CROSSING

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FISHERIES AND OCEANS CANADA  
REAL PROPERTY AND SAFETY AND SECURITY

| DRAWING REFERENCES |  | NOTES   |      | REVISIONS        |  |
|--------------------|--|---|------|------------------|--|
| DWG. NO.           |  | N.O.  | DATE |                  |  |
| RATIO PB           |  | INSTITUTE OF OCEAN SCIENCES<br>NEW GUARDHOUSE<br>9860 WEST SAATCH ROAD<br>SIDNEY, BC, V8L 5T5 |      | DETAILS (1 OF 2) |  |
| SCALE              |  | AS NOTED  |      | START DATE       |  |
| DRAWING NUMBER     |  | E501  |      | 9 OF 11          |  |
| REVISION           |  | 1   |      | 1                |  |

|  |   |  |   |
|--|---|--|---|
|  <b>FISHERIES AND OCEANS CANADA</b><br>REAL PROPERTY AND SAFETY AND SECURITY | <b>INSTITUTE OF OCEAN SCIENCES</b><br><b>NEW GUARDHOUSE</b><br>9860 WEST SAANCH ROAD<br>SIDNEY, BC, V8L 5T5 |  | SCALE<br>AS NOTED<br>START DATE                         |
|  | <b>DETAILS (2 OF 2)</b>   |  | DRAWING NUMBER<br><b>E515</b><br>10 OF 11<br>REVISION 1 |