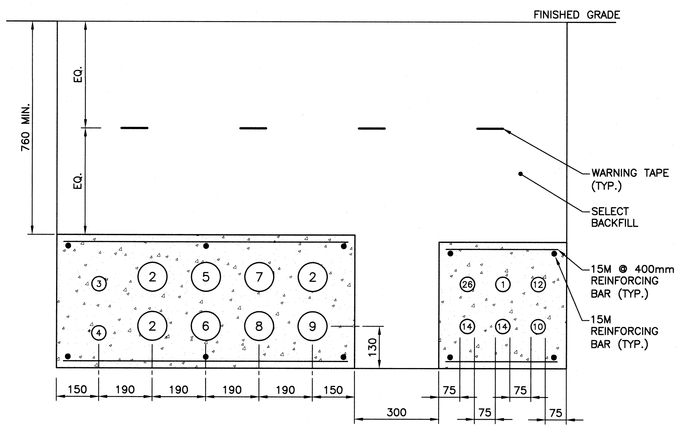
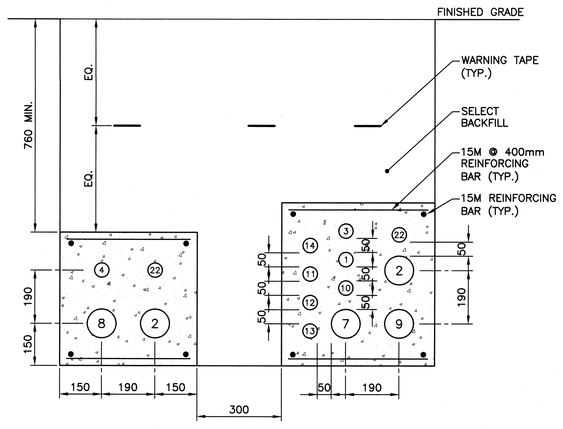


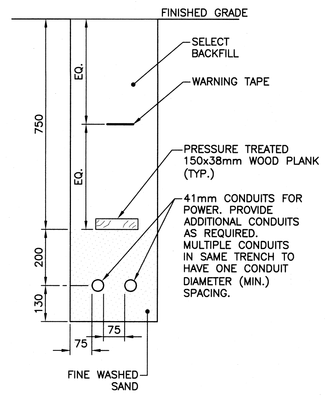

CONCRETE ENCASED DUCTBANK FROM ELEC. RM. (D / E03)

SCALE : N.T.S.




WHARF SITE SERVICES (G / E03)

SCALE : N.T.S.



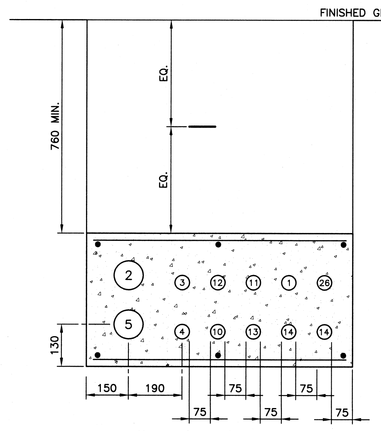

DIRECT BURIED CONDUIT (J / E03)

SCALE : N.T.S.

| DUCT # | DUCT SIZE | DESCRIPTION |
|---|---|---|
| 1 | 53mm | FIBER CABLES TO POWER PEDESTAL. |
| 2 | 103mm | SPARE POWER DUCT. |
| 3 | 53mm | POWER TO 5kVA TRANSFORMERS AT POWER PEDESTALS. |
| 4 | 53mm | POWER TO AREA LIGHTING. |
| 5 | 103mm | POWER TO POWER PEDESTAL #5. |
| 6 | 103mm | POWER TO POWER PEDESTAL #6. |
| 7 | 103mm | POWER TO POWER PEDESTAL #7. |
| 8 | 103mm | POWER TO POWER PEDESTAL #8. |
| 9 | 103mm | SPARE |
| 10 | 53mm | CONDUIT FOR CABLE TV TO POWER PEDESTAL. CABLES BY UTILITY. |
| 11 | 53mm | FIBER CABLES FROM BMF TO NEW GUARD HOUSE. |
| 12 | 53mm | TELEPHONE TO POWER PEDESTAL. |
| 13 | 53mm | CONDUIT FOR CCTV. |
| 14 | 53mm | SPARE |
| 15 | 103mm | PRIMARY POWER TO PAD MOUNT TRANSFORMER. |
| 16 | 103mm | TELECOM TO ELECTRICAL BUILDING. CABLES BY UTILITY. |
| 17 | 103mm | SPARE TELECOM DUCT. |
| 18 | 103mm | SECONDARY POWER FROM PAD MOUNT TO SWITCHBOARD. |
| 19 | 53mm | TELEPHONE TO COMMISSIONAIRES BUILDING. |
| 20 | 53mm | FIRE ALARM / CCTV COAX CABLES TO COMMISSIONAIRES BLDG. |
| 21 | 53mm | POWER TO COMMISSIONAIRES BUILDING. |
| 22 | 53mm | SPARE POWER DUCT. |
| 23 | 103mm | CABLE TV TO ELECTRICAL BUILDING. CABLES BY UTILITY. |
| 24 | 53mm | POWER FOR FUTURE GEOTHERMAL WELLS |
| 25 | 53mm | CONTROL FOR FUTURE GEOTHERMAL WELLS |
| 26 | 53mm | FIBER CABLES FROM BMF TO ELECTRICAL BUILDING |

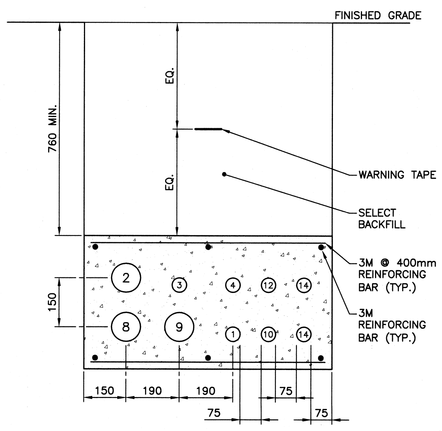
## DUCTBANK NOTES:

1. CONCRETE TO HAVE A 28 DAY SPECIFIED STRENGTH OF 20MPa WITH MAXIMUM AGGREGATE SIZE OF 20mm AND MAXIMUM SLUMP OF 75mm.
2. CONCRETE ENCASED DUCTS SHALL BE SUPPORTED BY APPROVED SPACERS PLACED AT 1200mm INTERVALS. NO WIRES OR METAL TIES ARE TO BE USED.
3. ALL FITTINGS, COUPLINGS, ETC. ARE TO BE SOLVENT WELD.
4. SPARE DUCTS SHALL BE INSTALLED AS REQUIRED.
5. ELECTRICAL DUCT SHALL BE PVC TYPE DB-2 OR APPROVED EQUIVALENT.
6. ENTIRE LENGTH OF DUCTS SHALL BE ENCASED IN AT LEAST A 75mm ENVELOPE OF POURED CONCRETE.
7. SECTIONS ILLUSTRATE SUGGESTED ARRANGEMENT OF DUCTS. CONTRACTOR MAY CHANGE THIS ARRANGEMENT TO SUIT SITE CONDITION UPON APPROVAL BY ENGINEER.




WHARF SITE SERVICES (E / E03)

SCALE : N.T.S.




WHARF SITE SERVICES (H / E03)

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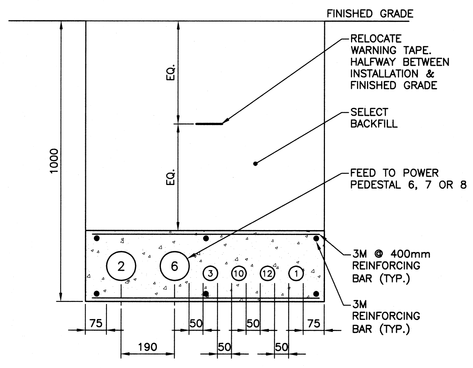


EXISTING DUCTBANK TO PP#6 & PP#7 AND NEW DUCTBANK TO PP#8 (K / E03)

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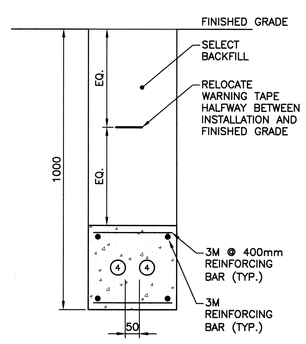


EXISTING AREA LIGHTING DUCTBANK (M / E03)

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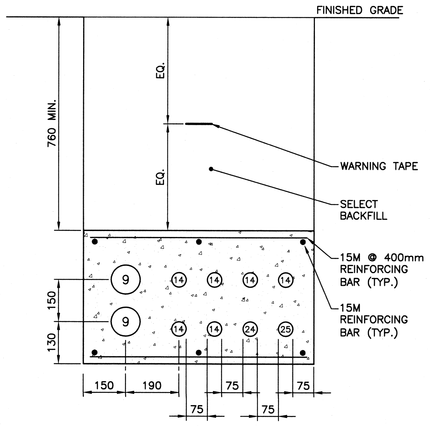


FUTURE GEOTHERMAL & SITE SERVICE (O / E03)

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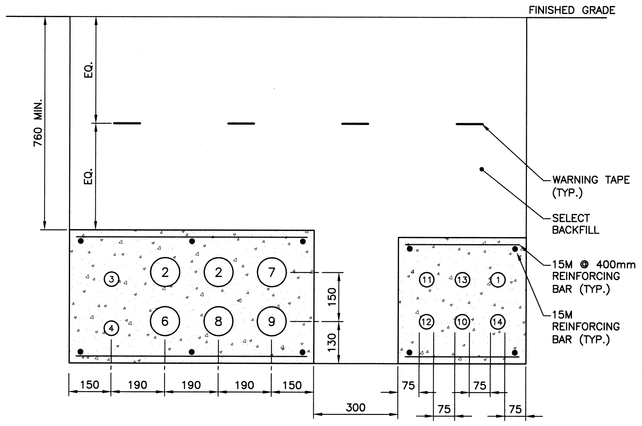


WHARF SITE SERVICES (F / E03)

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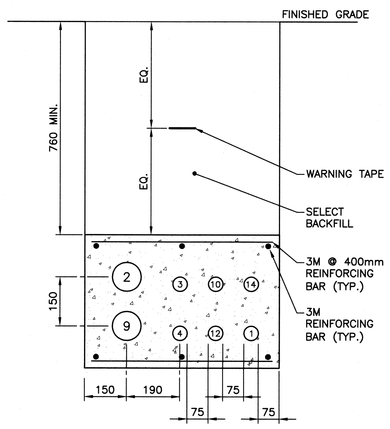


WHARF SITE SERVICES (I / E03)

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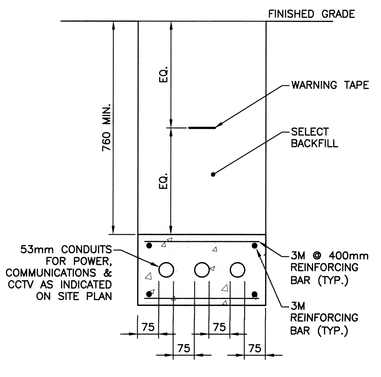
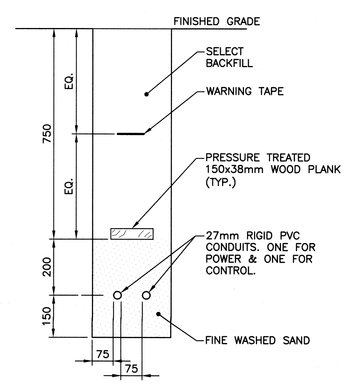



WHARF SITE SERVICES (L / E03)

SCALE : N.T.S.




SERVICES TO FUTURE GEOTHERMAL WELLS (N / E03)

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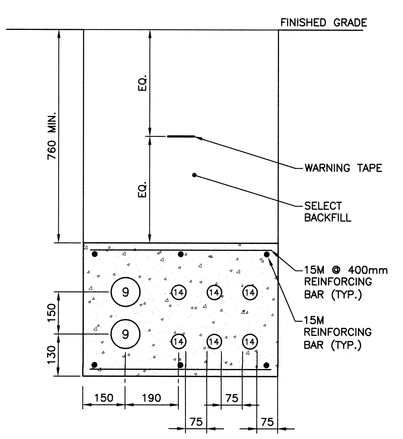


FUTURE SITE SERVICE (P / E03)

SCALE : N.T.S.

Public Works and Government Services Canada
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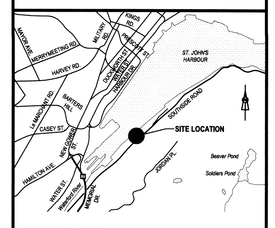


KEYPLAN: N.T.S.

SNC·LAVALIN

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
CLASS "A"
This Permit Allows
SNC-LAVALIN Inc.
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEGNL NO458
which is valid for the year 2015.

REGISTERED PROFESSIONAL ENGINEER
PEGNL Newfoundland and Labrador
ZIAD H. EL-JERDI
SIGNATURE
March 31, 2014
DATE
NEWFOUNDLAND & LABRADOR

| revisions | | date |
|---|---|---|
| C02 | ISSUED FOR TENDER | 24 Feb 2015 |

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ELECTRICAL SECTIONS

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PWGSC B1 (2004)

0 10 20mm 40 60 80 100 120 140 160 180 200mm