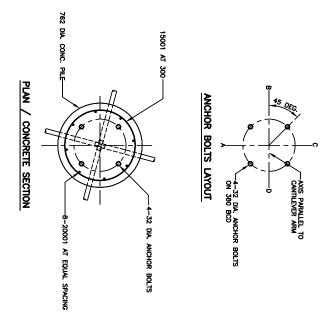
FOUNDATION DETAIL N.T.S.

ELEVATION



## GENERAL NOTES:

- CONCRETE FOUNDATION PILES

  1. PRIOR TO DRILLING PILES, CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SURFACE OR SUBSURFACE UTILITIES.
- DRILL PILES TO INDICATED DEPTHS ENSURING THAT SHAFTS ARE DRY AND FREE OF DEBRIS UNTIL CONCRETE IS PLACED.

LOCK HEX NUT HEAVY WASHER HEAVY HEX NUT

32 (1 1/4") DIA. 32 (1 1/4") DIA.

ASTM A194 GRADE 2H

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- i) CSA A23.1 EXPOSURE CLASS S-1
  ii) COMPRESSIVE STRENGTH @ 28 DAYS = 35 MPa
  iii) AIR CONTENT: CATEGORY 1

- NOTIFY THE OWNER AND TESTING FIRM A MINIMUM OF TWENTY FOUR HOURS PRIOR TO COMMENCEMENT TO CONCRETE OPERATIONS.
- REFER TO SPECIFICATIONS FOR CONCRETE TESTING REQUIREMENTS.
- REINFORCING STEEL TO BE GRADE 400W, DEFORMED BILLET STEEL BARS FOR CONCRETE REINFORGEMENT CONFORMING TO CSA 630.18.
- ANCHOR BOLTS, NUTS AND WASHERS WILL BE SUPPLIED BY THE DEPARTMENT AND SET BY THE CONTRACTOR.

NOTES:

- THE ANCHOR BOLTS SHALL BE ALIGNED WITH A TOP SETTING TEMPLATE MATCHING THE BOLT HOLE LOYOUT. THE SETTING TEMPLATE SHALL BE HELD IN PLACE BY THE NUTS SUPPLIED WITH THE ANCHOR BOLTS, PLACEMENT OF ANCHOR BOLTS WITHOUT THE SETTING TEMPLATE WILL NOT BE PERMITTED.
- . TEMPORARY STEEL TEMPLATE LOANED TO THE CONTRACTOR BY THE DEPARTMENT.

ALL NUTS SHALL BE TAPPED OVERSIZE PRIOR TO GALVANIZING.

ALL NUTS AND WASHERS SHALL BE ASSEMBLED BY THE SUPPLIER PRIOR TO DELIVERY.

ALL PARTS OF ANCHOR BOLT ASSEMBLY SHALL BE HOT DIP GALVANIZ IN ACCORDANCE WITH ASTM A123—09 (PLUS LATEST REVISIONS) WITH OF 810 9/m²

PULL LENGTH)

ANCHOR BOLT ASSEMBLY MK. AB2 (STOCK CODE NO. 7559)

ANCHOR BOLTS SHALL BE SOLID ROUNDS G40.21-M-300W.

600 (7 UNC)

- AFTER COMPLETION OF CONCRETE PILE FOUNDATION WORKS, THE CONTRACTOR SHALL CLEAN THE TEMPLATE BY SANDBLASTING AND RETURN IT TO THE DEPARTMENT.
- IF THE TEMPAITE IS DAMAGED DURING CONSTRUCTION DUE TO NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING A NEW 10 mm THICK STEEL TEMPLATE TO THE DEPARTMENT AT HIS OWN EXPENSE.
- SOILS INFORMATION AT SITE IS AVAILABLE FROM THE OWNER

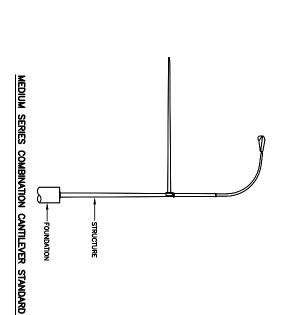
25 CHAMFER (TYP.)-50 THK. GROUT PAD-

-ELECTRICAL UNDERGROUND CONDUITS TO EXTEND 150 ABOVE TOP OF BASE PLATE

-175 ANCHOR BOLT PROJ.

TOP 600 FORMED WITH SONOTUBE

—50 DIA, PLASTIC PIPE MAX. BEND 500 RADIUS 4-REQUIRED (MAY BE GROUPED 2x2)



75 TYP. COVER

762 DIA. CONC. PILE

8-20001 @ EQUAL SPACING

#### 20001 15001 TOTAL VOLUME OF CONC. C.I.P. PILES = 2.280 m3 TOTAL MASS OF REINFORCING STEEL OF REINFORCING STEEL 20M SIZE <del>6</del> (mm) 2223 4850 =157.68 kg (kg) 91.37 66.31 S E 5 BENDING DIAGRAM 15001 612 DIA.

### ANCHOR BOLT DESCRIPTION BILL OF 32 (1 1/4") DIA. × 1650 SIZE MISCELLANEOUS METAL G40.21-M-300W GALV. FULL LENGTH MATERIAL SEE DETAIL BELOW REMARKS

NO.E

32 (1 1/4") DIA.

ASTM A194 GRADE 2H

G40.21-M-300W

# STRUCTURES FOR MEDIUM SERIES FOUNDATION TYPE F3 A PEGN

Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 04/03/2012

REDUCED DRAWING N.T.S.

11-5296

DILLON

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AS SHOWN

F3 ដ

Marina T

SCRIPTION

REVISIONS

MEDIUM SERIES FOUNDATION TYPE F3 ANCHOR BOLTS, CONC. PILE, & PILE REINFORCEMENT

TRAFFIC SIGNAL AND PEDESTRIAN CORRIDOR STRUCTURES

RELEASED FOR CONSTRUCTION BY: