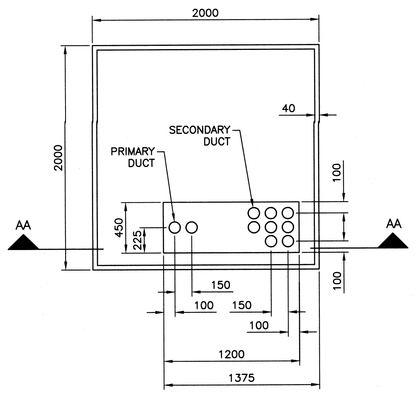
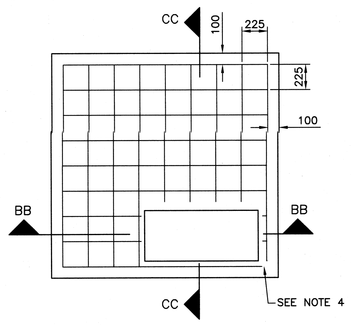
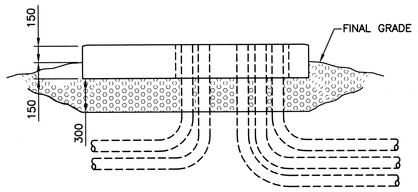


PLAN VIEW OF PAD



PLAN VIEW OF REINFORCING



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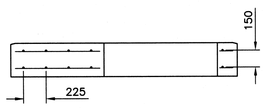

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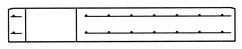

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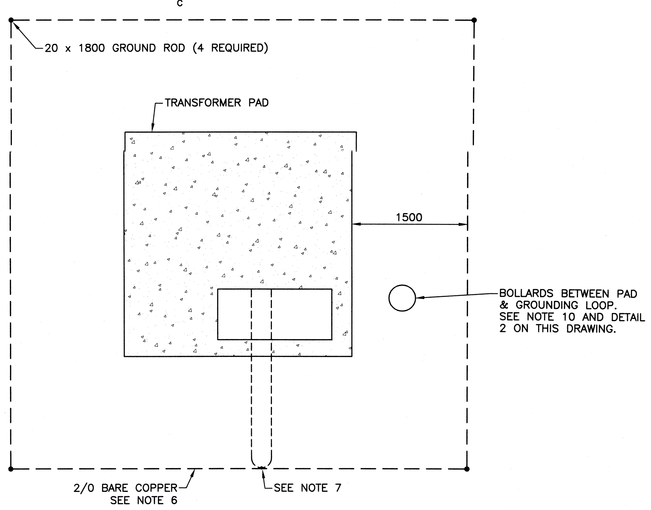


GROUNDING DETAIL

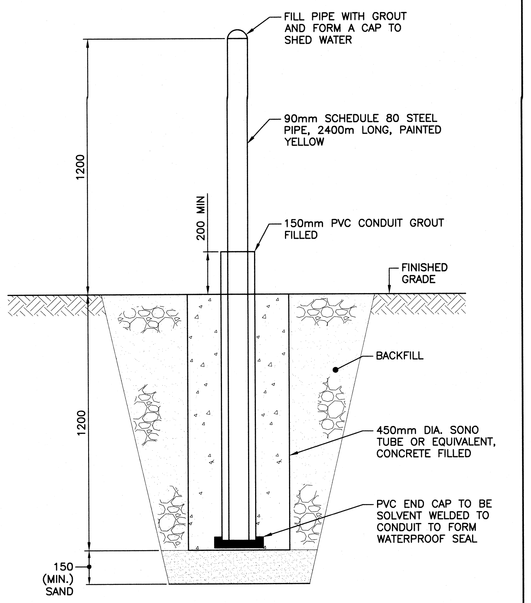
NOTES:

1. CONCRETE TO HAVE 28 DAY SPECIFIED STRENGTH OF 28MPa WITH MAXIMUM AGGREGATE SIZE OF 40mm. THE MAXIMUM SLUMP TO BE 50mm.
2. REINFORCING BARS SHALL BE 16mm (#15) DEFORMED INTERMEDIATE GRADE BILLET STEEL.
3. CONCRETE SURFACE SHALL BE LEVEL AND HAVE A SMOOTH FINISH TO ALLOW WATER RUN OFF.
4. REINFORCING BARS MUST NOT FORM A COMPLETE MAGNETIC PATH AROUND SPACE LEFT FOR CABLES AND DUCTS. A GAP MUST BE PROVIDED IN THE REINFORCING BARS AS SHOWN.
5. INSTALL TRANSFORMER PAD TO NFLD POWER STANDARDS. CONTRACTOR TO CONFIRM SIZE AND ORIENTATION OF PAD WITH NEWFOUNDLAND POWER PRIOR TO POURING OF PAD.
6. INSTALL #2/0 BARE STRANDED COPPER GROUND WIRE IN ONE CONTINUOS LENGTH TO FORM A LOOP AROUND THE PAD AND COME UP THROUGH VOID IN PAD. MINIMUM BURIAL DEPTH TO BE 600mm.
7. GROUND WIRE SHALL CROSS OVER AND BE CONNECTED AT THIS POINT WITH CONNECTOR APPROVED FOR DIRECT BURIAL.
8. ALL DIMENSIONS ARE GIVEN IN MILLIMETERS.
9. IT IS ANTICIPATED THAT THE INSTALLATION OF ALL GROUND RODS WILL REQUIRE HOLES TO BE DRILLED IN BEDROCK. IF THIS IS IN FACT THE CASE THE CONTRACTOR WILL BE REQUIRED TO DRILL HOLES TO A DEPTH AS REQUIRED TO ACCOMMODATE THE RODS AND FILL EACH HOLE WITH A GROUND ENHANCEMENT MATERIAL (GEM). AMOUNT OF MATERIAL REQUIRED AND INSTALLATION PROCESS MUST BE DONE AS PER MANUFACTURERS RECOMMENDATIONS.
10. BOLLARDS SHALL BE INSTALLED A MINIMUM OF 1000mm FROM THE TRANSFORMER PAD. REFER TO ELECTRICAL SITE PLAN DRAWING E03 FOR LOCATION OF BOLLARDS. DISTANCE BETWEEN BOLLARDS SHALL NOT EXCEED 1300mm.

TRANSFORMER PAD DETAIL — 1 / E03

SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm

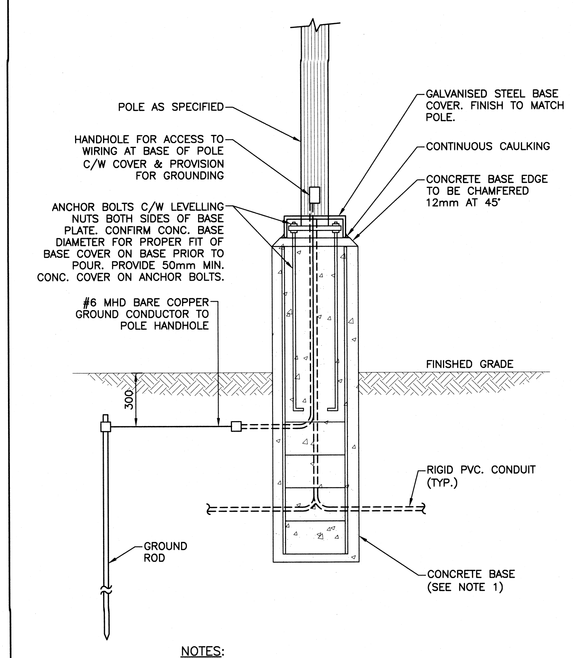


NOTES:

1. PVC CONDUIT, OR EQUIVALENT, MUST BE INSTALLED TO INSULATE THE STEEL PIPE AND PREVENT TRANSFER OF TOUCH POTENTIAL IN THE EVENT OF A FAULT.
2. REFER TO ELECTRICAL SITE PLAN DRAWING E03 FOR LOCATION OF BOLLARDS.

BOLLARD DETAIL — 2 / E03

SCALE : N.T.S.

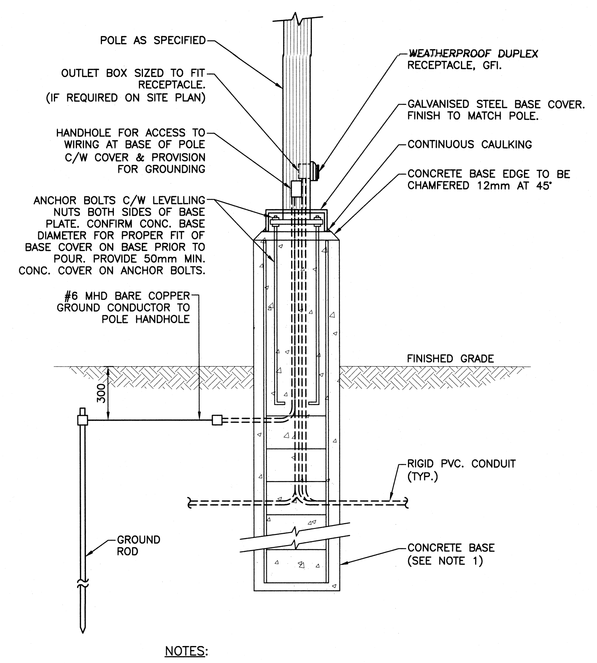


NOTES:

1. REFER TO STRUCTURAL DRAWING 'S04' FOR CONCRETE BASE DETAILS.

EXT. LIGHT STANDARD POLE BASE DETAIL — 3 / E03

SCALE : N.T.S.

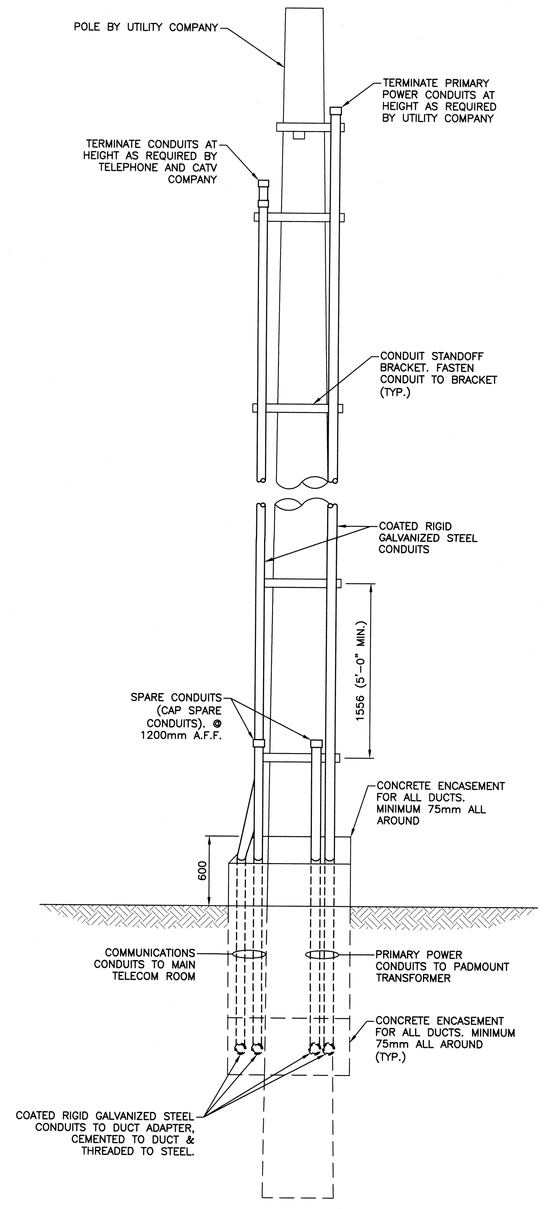


NOTES:

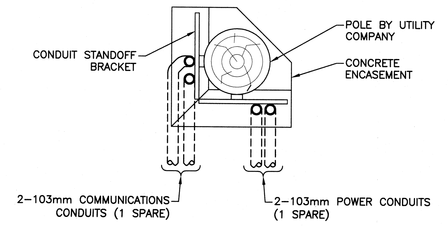
1. REFER TO STRUCTURAL DRAWING 'S04' FOR CONCRETE BASE DETAILS.

EXT. LIGHT STANDARD POLE BASE WITH RECEPT. — 4 / E03

SCALE : N.T.S.



ELEVATION

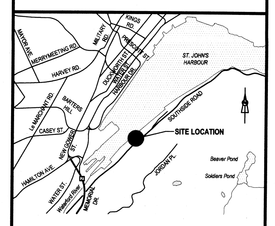


TOP VIEW

TERMINATION POLE DETAIL — 5 / E03

SCALE : N.T.S.

Public Works and Government Services Canada / Travaux Publics et Services gouvernementaux Canada



KEYPLAN: N.T.S.

SNC·LAVALIN

PROVINCE OF NEWFOUNDLAND
PEGL Newfoundland and Labrador
PERMIT HOLDER CLASS "A"
This Permit Allows
SNC-LAVALIN Inc.
To practice Professional Engineering in Newfoundland and Labrador. Permit No. as issued by PEGNL N0458 which is valid for the year 2015.

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

revisions		date
C02	ISSUED FOR TENDER	24 Feb 2015

project / projet
CANADIAN COAST GUARD SOUTHSIDE BASE SITE DEVELOPMENT AND SERVICES ST. JOHN'S, NL

drawing / dessin
ELECTRICAL SITE PLAN DETAILS – SHEET 1

designed / conçu
date 2013-08-29
drawn / dessiné
date 2013-08-29
approved / approuvé
date
Tender / Soumission
Victoria Warren 2015-02-25
PWGSC Project Manager / Administrateur de projets TPSGC

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drawing no. / no. du dessin
E05

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PWGSC B1 (2004)

E-DRM/GDD-E: # Ver. 1

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