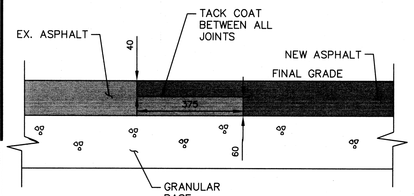
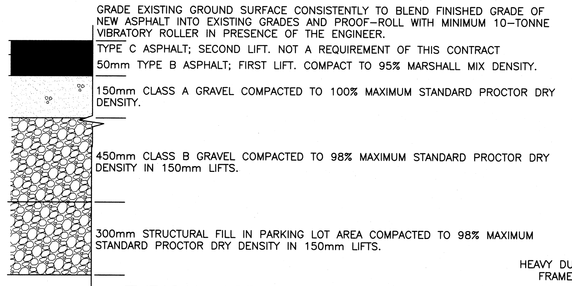
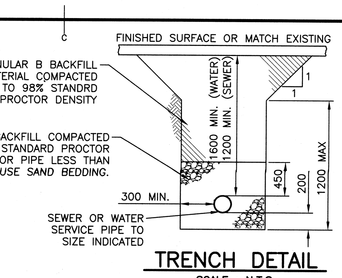


ASPHALT STEP JOINT DETAIL
N.T.S.



TYPICAL ASPHALT SECTION
NTS

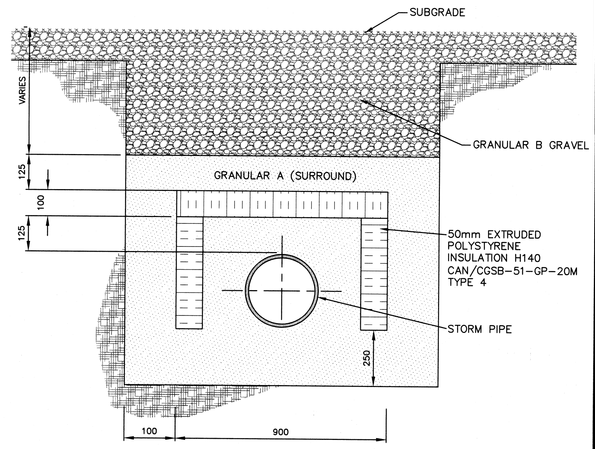


TRENCH DETAIL
SCALE : N.T.S.

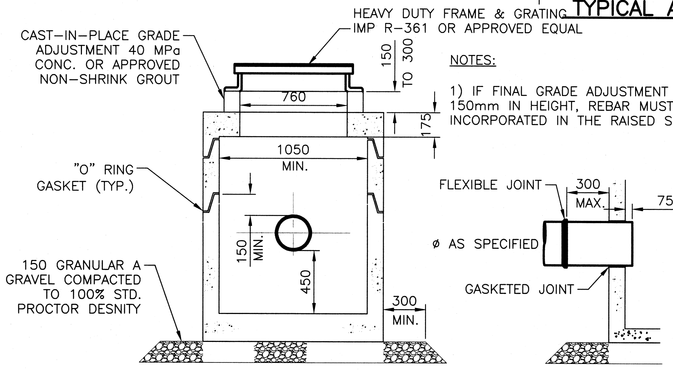
NOTES:

1) WHERE CASING IS REQUIRED, PROVIDE CASING PIPE AS INDICATED WITH SPACERS EVERY 1.0 METER.

2) SITE CONTAMINATED MATERIAL MAY BE USED FOR STRUCTURAL FILL AND BACKFILL PROVIDED IT MEETS GRANULAR A OR B REQUIREMENTS. THIS MATERIAL CAN ONLY BE REPLACED IN THE SAME TRENCH.



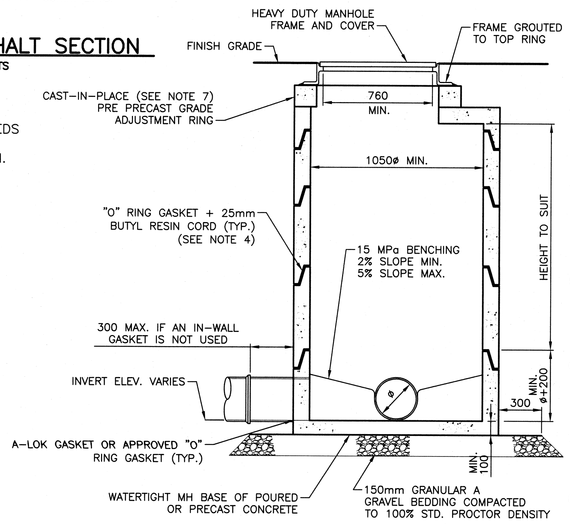
TYPICAL INSULATED TRENCH DETAIL (PIPE LESS THAN 1.2m COVER)
N.T.S.



NOTES:

1) IF FINAL GRADE ADJUSTMENT EXCEEDS 150mm IN HEIGHT, REBAR MUST BE INCORPORATED IN THE RAISED SECTION.

TYPICAL STORM CATCHBASIN
NTS



NOTES

1) WATERTIGHT SEAL RING BETWEEN MANHOLE SECTIONS.

2) LIFT HOLES IN PRECAST SECTIONS TO BE GROUTED WITH CEMENT MORTAR PRIOR TO PLACING GRANULAR BACKFILL.

3) IF FINAL GRADE ADJUSTMENT EXCEEDS 150 mm IN HEIGHT, REBAR MUST BE INCORPORATED IN THE RAISED SECTION.

4) IN ADDITION TO O-RING GASKETS, JOINTS IN PRECAST SECTIONS SHALL BE SEALED WITH 25 mm BUTYL RESIN CORD. THE CORD SHALL BE PLACED ON THE UPPER INSIDE LEDGE OF THE JOINT PRIOR TO PLACEMENT OF THE SUBSEQUENT SECTION.

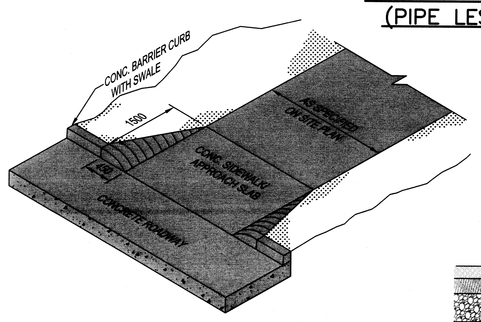
5) BACKFILL AROUND MANHOLES SHALL BE TYPE B GRAVEL EXTENDING A MIN. OF 300 mm OUTWARD FROM MANHOLE AND VERTICALLY FROM BEDDING MATERIAL TO UNDERSIDE OF ROADBED GRAVELS.

6) "A-LOK" OR APPROVED "O" RING GASKETS SHALL BE THOROUGHLY CLEANED, THEN COVERED GENEROUSLY WITH LUBRICANT SPECIFIED BY THE PIPE MANUFACTURER.

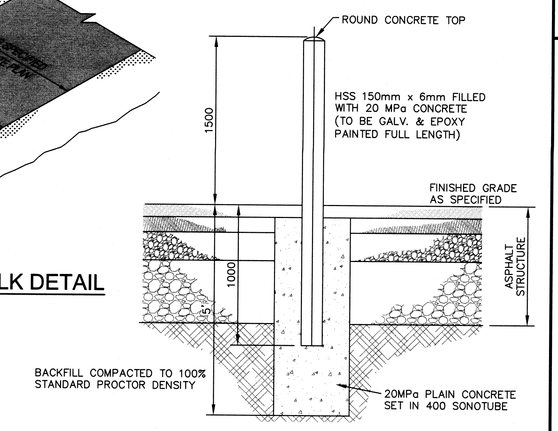
7) CAST IN PLACE GRADE ADJUSTMENT TO BE COMPLETED WITH AIR ENTRAINED 40 MPa CONCRETE ON AN APPROVED NON-SHRINK GROUT

8) INSTALL SANIATRY MANHOLES TO PREVENT INFLOW OF WATER THROUGH COVER.

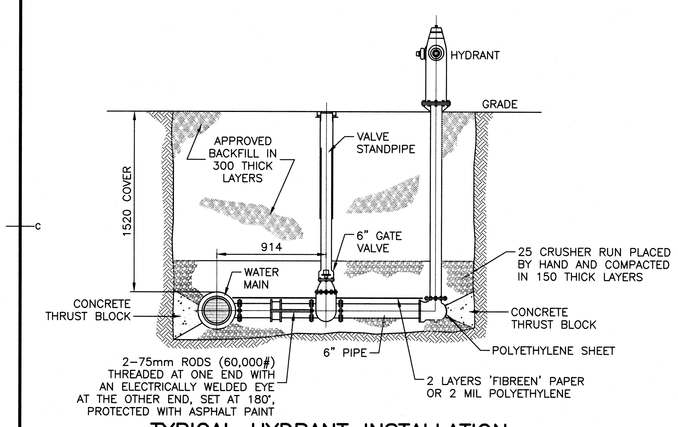
TYPICAL SANITARY/STORM MANHOLE
NTS



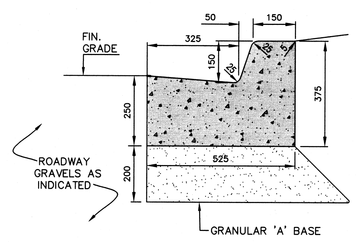
TYP. CURB DROP AT SIDEWALK DETAIL
SCALE: N.T.S.



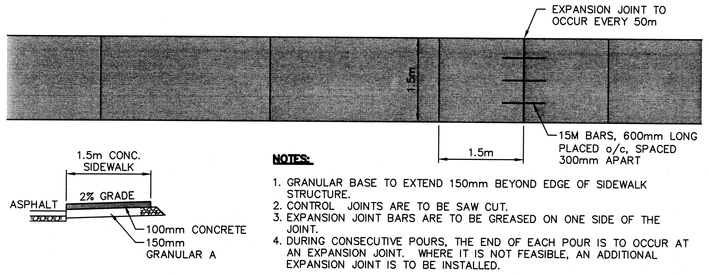
ELEVATION



TYPICAL HYDRANT INSTALLATION
SCALE: NTS



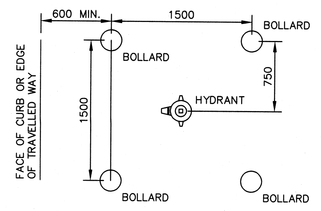
TYPICAL CURB AND GUTTER
N.T.S.



NOTES:

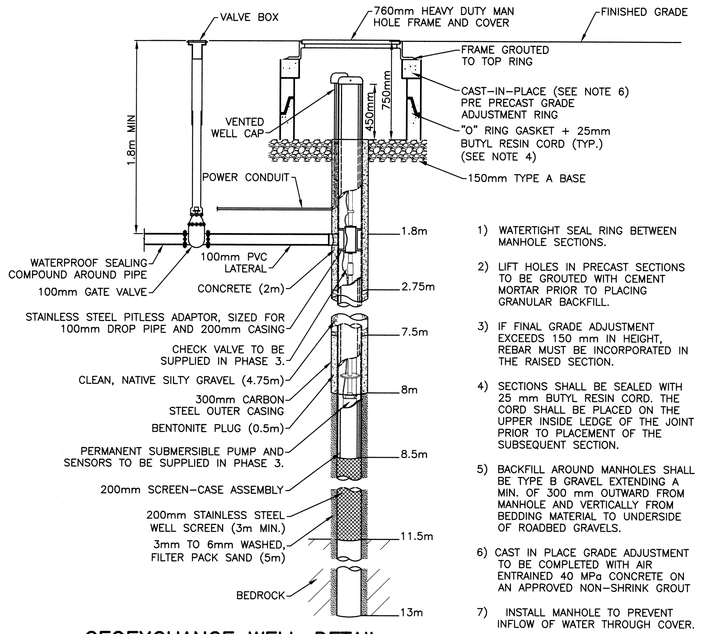
1. GRANULAR BASE TO EXTEND 150mm BEYOND EDGE OF SIDEWALK STRUCTURE.
2. CONTROL JOINTS ARE TO BE SAW CUT.
3. EXPANSION JOINT BARS ARE TO BE GREASED ON ONE SIDE OF THE JOINT.
4. DURING CONSECUTIVE POURS, THE END OF EACH POUR IS TO OCCUR AT AN EXPANSION JOINT. WHERE IT IS NOT FEASIBLE, AN ADDITIONAL EXPANSION JOINT IS TO BE INSTALLED.

TYP. SIDEWALK DETAIL
N.T.S.



PLAN - WITH HYDRANT

TYPICAL BOLLARD DETAILS
SCALE : N.T.S.



1) WATERTIGHT SEAL RING BETWEEN MANHOLE SECTIONS.

2) LIFT HOLES IN PRECAST SECTIONS TO BE GROUTED WITH CEMENT MORTAR PRIOR TO PLACING GRANULAR BACKFILL.

3) IF FINAL GRADE ADJUSTMENT EXCEEDS 150 mm IN HEIGHT, REBAR MUST BE INCORPORATED IN THE RAISED SECTION.

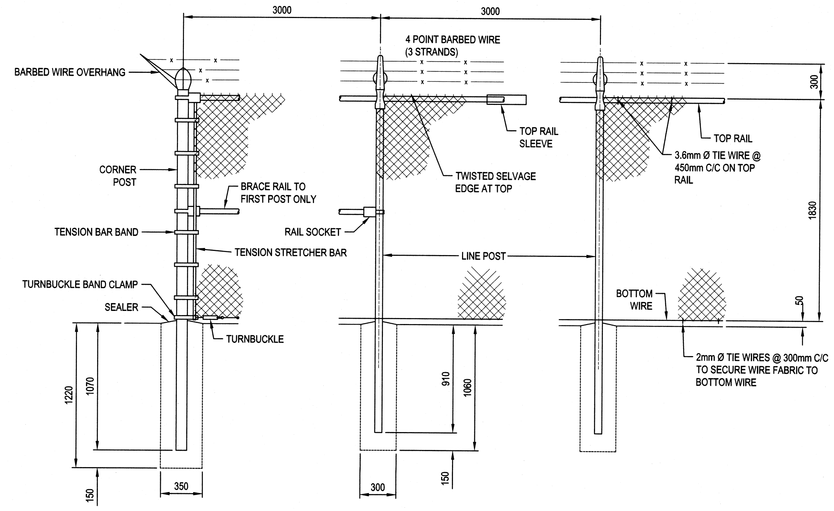
4) SECTIONS SHALL BE SEALED WITH 25 mm BUTYL RESIN CORD. THE CORD SHALL BE PLACED ON THE UPPER INSIDE LEDGE OF THE JOINT PRIOR TO PLACEMENT OF THE SUBSEQUENT SECTION.

5) BACKFILL AROUND MANHOLES SHALL BE TYPE B GRAVEL EXTENDING A MIN. OF 300 mm OUTWARD FROM MANHOLE AND VERTICALLY FROM BEDDING MATERIAL TO UNDERSIDE OF ROADBED GRAVELS.

6) CAST IN PLACE GRADE ADJUSTMENT TO BE COMPLETED WITH AIR ENTRAINED 40 MPa CONCRETE ON AN APPROVED NON-SHRINK GROUT

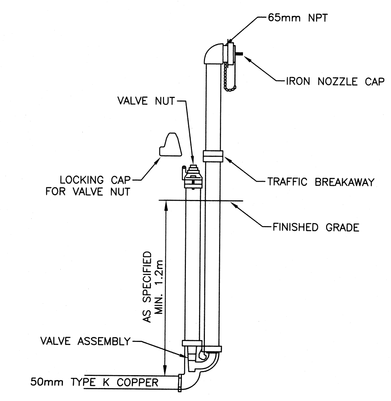
7) INSTALL MANHOLE TO PREVENT INFLOW OF WATER THROUGH COVER.

GEOEXCHANGE WELL DETAIL
N.T.S.



ELEVATION - CHAIN LINK FENCE

TYPICAL FENCE DETAILS
SCALE: NTS



TYPICAL POST HYDRANT
N.T.S.

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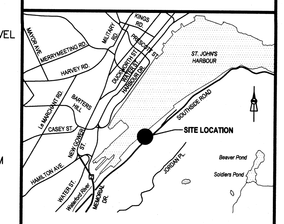

KEYPLAN: N.T.S.

SNC·LAVALIN

NOTES:

1. SEE SHEET C01 FOR GENERAL NOTES AND LEGEND.

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 PEGL PAUL GODON SIGNATURE 31 March 2014 DATE NEWFOUNDLAND & LABRADOR

REGISTERED PROFESSIONAL ENGINEER PEGL NORMAND D. J. LANORY SIGNATURE 31 March 2014 DATE NEWFOUNDLAND & LABRADOR

C02	ISSUED FOR TENDER	24 Feb 2015
revisions		date

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

drawing / dessin
CONSTRUCTION DETAILS

designed AB / conçu
date
drawn AB / dessiné
date
approved TV / approuvé
date
Tender / Soumission
Victoria Wentzell 2015-02-25
PWGSC Project Manager / Administrateur de projets TPSGC

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R.053663.006

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C09

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