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Geomatics.Geomatic@pwgsc-tpsgc.gc.ca

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Public Works and Government Services Canada

Travaux publics et services gouvernementaux Canada

Real Property Branch

Direction générale des biens immobiliers

B

B

UB BELL TELEPHONE SERVICE

E

E

UG LOW VOLTAGE ELECTRICAL

ABN/E

ABN

UG ELECTRICAL SERVICE ABN

HV

HV

UG HIGH VOLTAGE ELECTRICAL

A-HV

A-HV

AG HIGH VOLTAGE ELECTRICAL

WM

WM

WATERMAIN CONDUIT

ST

ST

WATERMAIN ABANDONED

ABN/ST

ABN

STORM SEWER

ABN/ST

SA

STORM ABANDONED

COMB

COMB

SANITARY SEWER

ABN/SA

ABN

SANITARY ABANDONED

G

G

GAS LINE

ABN/G

ABN

GAS LINE ABANDONED

PROPERTY LINE

S

S

SQUARE IRON BAR

RIB

RIB

ROUND IRON BAR

NAL

NAL

SURVEY NAIL

MH

MH

GENERAL MANHOLE

SMH

SMH

SANITARY MANHOLE

DMH

DMH

STORM MANHOLE

MC

MC

ELECTRICAL MANHOLE

M

M

METER CHAMBER

H

H

FIRE HYDRANT

VC

VC

VALVE CHAMBER

VB

VB

VALVE BOX

VS

VS

TREE STUMP

EXISTING BUILDING ENTRANCE

BP

BP

BELL PEDESTAL

CP

CP

CABLE PEDESTAL

ROAD

ROAD

ROAD BOLLARD

MW

MW

ENVIRONMENTAL MONITOR WELL

TP

TP

GEOTECH TEST PIT

BH

BH

GEOTECH BOREHOLE

M/GP

M/GP

METAL GATE POST

FP

FP

FLAG POLE

STANDP

STANDP

STANDPIPE

CB

CB

SQUARE CATCH BASIN

LS

LS

LIGHT STANDARD

SHRUB

SHRUB

SHRUB

Contractor to verify all dimensions & conditions on site and immediately notify the departmental representative of all discrepancies.

3

ISSUED FOR TENDER

2017/03/23

2

99% REVIEW

2017/02/27

1

75% REVIEW

2016/12/19

revisions

description

date

A

C

A

B

C

A detail no. no. du detail

B location drawing no. sur dessin no.

C drawing no. dessin no.

project

555 BOOTH STREET SOIL REMEDIATION

project

drawing

EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY PLAN

dessin

Designed By

STEPHANIE DEMERS, P.ENG

Conçu par

Date

2016/12/19

(yyyy/mm/dd)

Drawn By

WARREN JOHNSON, C.E.T.

Dessiné par

Date

2016/12/19

(yyyy/mm/dd)

Reviewed By

KRIS KILBORN

Examiné par

Date

2016/12/19

(yyyy/mm/dd)

Approved By

JILL PETERS DECHMAN, P.ENG

Approuvé par

Date

2016/12/19

(yyyy/mm/dd)

Tender

AHMAD KHODR

Soumission

Project Manager

Administrateur de projets

Project no.

No. du projet

R.082784.002

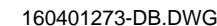
Drawing no.

No. du dessin

C1

160401273-DB.DWG





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Geomatics.Geomaticque | [pwgsc-tpsgc.gc.ca](mailto:pwgsc-tpsgc.gc.ca)

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1. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS STANDARD SPECIFICATIONS AND DRAWINGS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME.
3. SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
4. ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SURROUNDING AREA OF THE REPRESENTATIVE. PAYMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPS 509.010 AND OPS3 310.
5. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONTRACTOR AS DEFINED IN THE ACT
6. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ENGINEER.

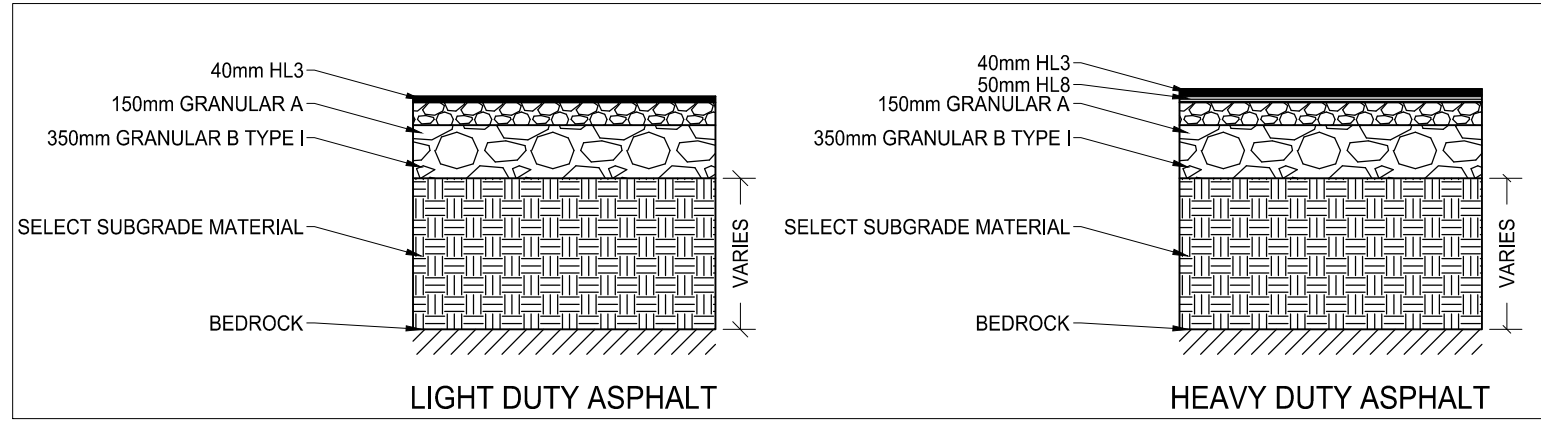
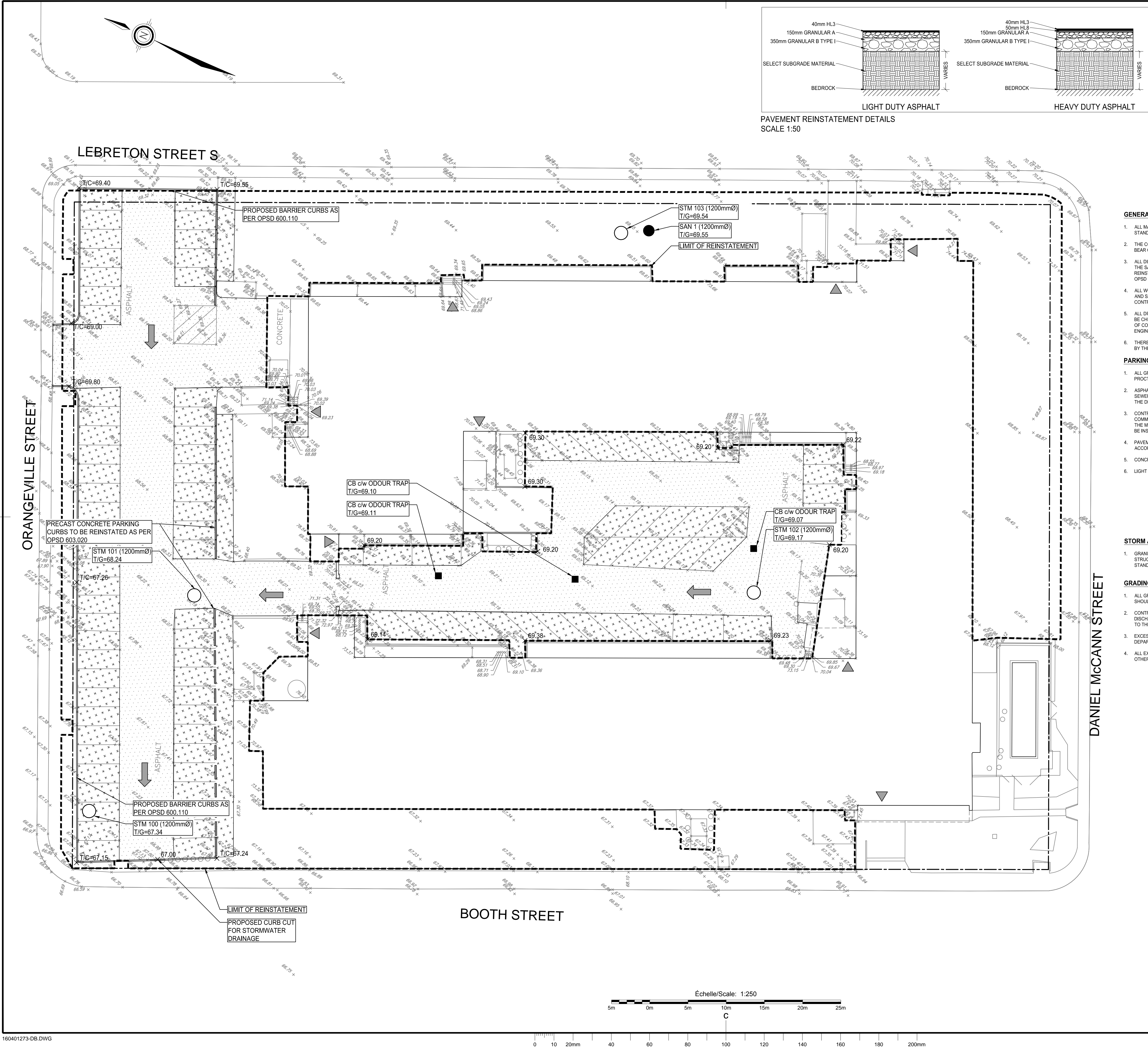
1. STORM AND SANITARY SEWERS 375mm DIA. OR SMALLER SHALL BE PVC SD35, STORM AND SANITARY SEWERS LARGER THAN 375mm SHALL BE CONCRETE CSA A 257.2 CLASS 100-D AS PER OPSD 807.010.
2. ALL SEWERS SHALL BE BEDDED UNLESS OTHERWISE NOTED. CONSTRUCTION SHALL BE AT MINIMUM OF 95% STANDARD PROCTOR MAXIMUM DRY DENSITY. SUITABLE BEDDING AND COVER MATERIAL TO BE SPECIFIED BY DEPARTMENTAL REPRESENTATIVE.
3. STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-701.010.
4. ALL SEWERS CONSTRUCTED WITH GRADES 0.50% OR LESS, TO BE INSTALLED WITH LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
5. FOR STORM SEWER INSTALLATION (EXCLUDING CB LEADS) THE MINIMUM DEPTH OF COVER OVER THE CROWN OF THE SEWER IS 2.0m. FOR SANITARY SEWERS THE MINIMUM DEPTH OF COVER IS 2.5m OVER PIPE COVER.
6. SAFETY PLATFORMS SHALL BE INSTALLED IN ACCORDANCE WITH OPSD 404.020.
7. ALL STORM AND SANITARY SERVICES TO BE EQUIPPED WITH APPROVED BACKFLOW VALVES.
8. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm around ALL STRUCTURES WITH FLAME AREA AND SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
9. CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE DEPARTMENTAL REPRESENTATIVE, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSD 410 AND OPSD 407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW.

1. ALL GRANULAR BASE & SUB BASE COURSE AND SELECT SUBGRADE MATERIALS SHOULD BE COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
2. CONTRACTOR TO VERIFY LOCATION OF ANY EXISTING ROOF LEADS AND TO DISCHARGE AS PER EXISTING CONDITIONS. ROOF LEADS SHALL NOT BE REDIRECTED TO THE STORM SEWER OR THE BUILDING FOUNDATION DRAIN.



 <b>Public Works and Government Services Canada</b>  <b>Real Property Branch</b>	<b>Travaux publics et services gouvernementaux Canada</b>  <b>Direction générale des biens immobiliers</b>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>----- ST -----</p> <p>○</p> <p>●</p> <p>■</p> <p>▲</p> <p>○ MH</p> <p>○ SHH</p> <p>○ ZHH</p> <p>=====</p> <p>=====</p> <p>- - - - -</p> </div> <div style="width: 65%;"> <p>PROPOSED STORM SEWER</p> <p>PROPOSED SANITARY SEWER</p> <p>EXISTING STORM SEWER</p> <p>PROPOSED STORM MANHOLE</p> <p>PROPOSED SANITARY MANHOLE</p> <p>PROPOSED CATCH BASIN</p> <p>EXISTING BUILDING ENTRANCE</p> <p>EXISTING GENERAL MANHOLE</p> <p>EXISTING SANITARY MANHOLE</p> <p>EXISTING STORM MANHOLE</p> <p>PROPOSED CONCRETE BARRIER CURB</p> <p>RELOCATED PRECAST CONCRETE CURB</p> <p>PROPERTY LINE</p> </div> </div>		
<p><b>Contractor to verify all dimensions &amp; conditions on site and immediately notify the departmental representative of all discrepancies.</b></p>		
3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19
Revisions	description	date
	A detail no. no. du détail  B location drawing no. sur dessin no.  C drawing no. dessin no.	
project		projet
<h2 style="margin: 0;">555 BOOTH STREET SOIL REMEDIATION</h2>		
drawing		dessin
<h1 style="margin: 0;">SITE SERVICING PLAN</h1>		
Designed By	STEPHANIE DEMERS, P.ENG	Conçu par
Date	2016/12/19	(yyyy/mm/dd)
Drawn By	WARREN JOHNSON, C.E.T.	Dessiné par
Date	2016/12/19	(yyyy/mm/dd)
Reviewed By	KRIS KILBORN	Examiné par
Date	2016/12/19	(yyyy/mm/dd)
Approved By	JILL PETERS DECHMAN, P.ENG	Approuvé par
Date	2016/12/19	(yyyy/mm/dd)
Tender	AHMAD KHODR	Soumission
Project Manager	Administrateur de projets	
Project no.	No. du projet	
<h2 style="margin: 0;">R.082784.002</h2>		
Drawing no.	No. du dessin	
<h1 style="margin: 0;">C2</h1>		





PAVEMENT REINSTATEMENT DETAILS  
SCALE 1:50

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#### GENERAL NOTES AND SPECIFICATIONS

- ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS STANDARD SPECIFICATIONS AND DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME.
- ALL DISTURBED AREAS SHALL BE REINSTATE TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010 AND OPS 310.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ENGINEER.
- THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE DEPARTMENTAL REPRESENTATIVE HAS BEEN OBTAINED.

#### PARKING LOT

- ALL GRANULAR FOR PARKING AREAS SHALL BE COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.
- CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE IF REQUIRED BY THE MUNICIPALITY. ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING.
- PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010, AND OPS 310.
- CONCRETE CURBS SHALL BE CONSTRUCTED AS PER OPSD 600.110 AND 603.020.
- LIGHT AND HEAVY DUTY PAVEMENT STRUCTURES TO BE CONSTRUCTED AS FOLLOWS:

LIGHT DUTY:  
40mm HL3  
150mm OPSS GRANULAR A  
350mm OPSS GRANULAR B TYPE I

HEAVY DUTY:  
40mm HL3  
50mm HL8  
150mm OPSS GRANULAR A  
350mm OPSS GRANULAR B TYPE I

#### STORM AND SANITARY SEWERS

- GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.

#### GRADING

- ALL GRANULAR BASE & SUB BASE COURSE AND SELECT SUBGRADE MATERIALS SHOULD BE COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- CONTRACTOR TO VERIFY LOCATION OF ANY EXISTING ROOF LEADS AND TO DISCHARGE AS PER EXISTING CONDITIONS. ROOF LEADS SHALL NOT BE REDIRECTED TO THE STORM SEWER OR THE BUILDING FOUNDATION DRAIN.
- EXCESS EXCAVATED MATERIAL SHALL BE RELOCATED AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- ALL EXCAVATED AREAS TO BE REINSTATE TO EXISTING ELEVATIONS UNLESS OTHERWISE SPECIFIED.



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Real Property Branch  
Direction générale des biens immobiliers

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revisions	description	date
3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19

A

C

A detail no.  
no. du detail  
B location drawing no.  
sur dessin no.  
C drawing no.  
dessin no.

A

B

C

project

555 BOOTH STREET  
SOIL REMEDIATION

project

drawing

PARKING LOT  
GRADING AND  
REINSTATEMENT PLAN

dessin

Designed By STEPHANIE DEMERS, P.ENG  
Date 2016/12/19  
Drawn By WARREN JOHNSON, C.E.T.  
Date 2016/12/19  
Reviewed By KRIS KILBORN  
Date 2016/12/19  
Approved By JILL PETERS DECHMAN, P.ENG  
Date 2016/12/19  
Tender AHMAD KHODR  
Project Manager Administrateur de projets  
Project no. No. du projet  
R.082784.002  
Drawing no. No. du dessin  
C3

Conçu par  
(yyyy/mm/dd)  
Dessiné par  
(yyyy/mm/dd)  
Examiné par  
(yyyy/mm/dd)  
Approuvé par  
(yyyy/mm/dd)  
Soumission





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3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19

revisions	description	date
A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B
	C drawing no. dessin no.	C

project

555 BOOTH STREET  
SOIL REMEDIATION

drawing

dessin

## DETAILS I

Designed By	STEPHANIE DEMERS, P.ENG	Conçu par	
Date	2016/12/19	(yyyy/mm/dd)	
Drawn By	WARREN JOHNSON, C.E.T.	Dessiné par	
Date	2016/12/19	(yyyy/mm/dd)	
Reviewed By	KRIS KILBORN	Examiné par	
Date	2016/12/19	(yyyy/mm/dd)	
Approved By	JILL PETERS DECHMAN, P.ENG	Approuvé par	
Date	2016/12/19	(yyyy/mm/dd)	
Tender	AHMAD KHODR	Soumission	

Project Manager

Administrateur de projets

Project no.

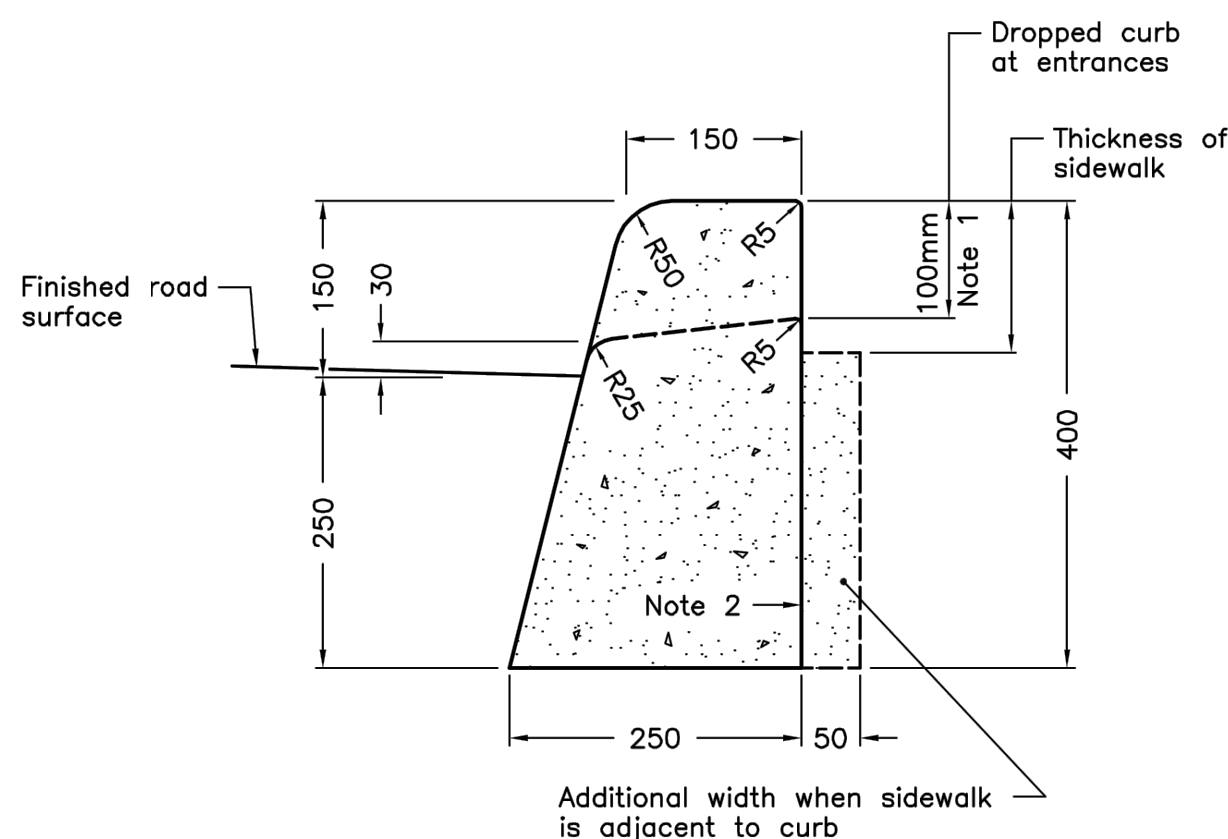
No. du projet

R.082784.002

Drawing no.

No. du dessin

C4



## NOTES:

- When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.
- For slipforming procedure a 5% batter is acceptable.
- A Treatment at entrances shall be according to OPSD 351.010.
- B Outlet treatment shall be according to the OPSD 610 Series.
- C The transition from one curb type to another shall be a minimum length of 3.0m, except in conjunction with guide rail where it shall be according to the OPSD 900 Series.
- D All dimensions are in millimetres unless otherwise shown.

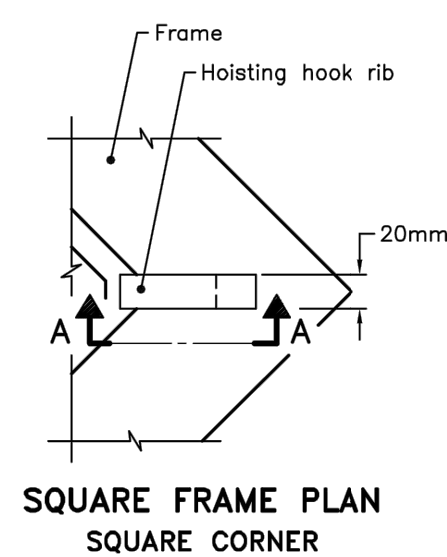
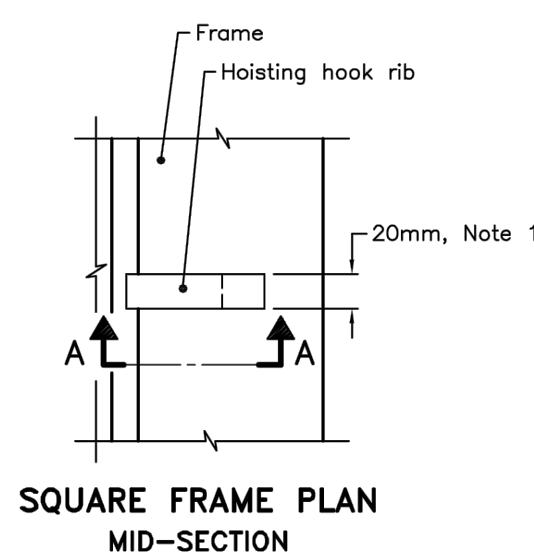
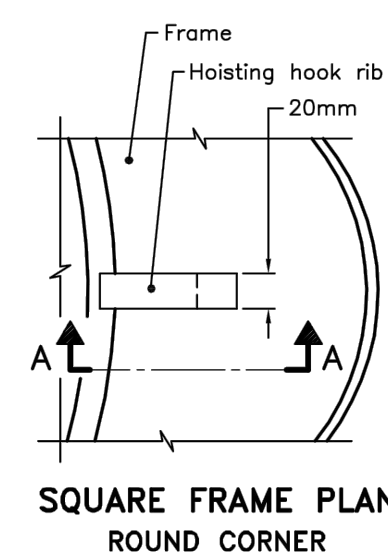
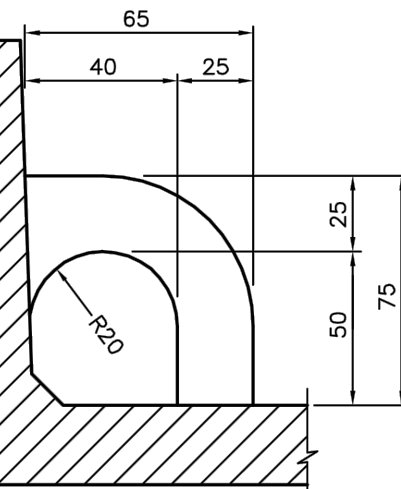
ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2012 Rev 2



CONCRETE BARRIER CURB

OPSD 600.110

SQUARE FRAME PLAN  
SQUARE CORNERSQUARE FRAME PLAN  
MID-SECTIONSQUARE FRAME PLAN  
ROUND CORNER

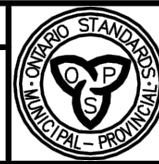
SECTION A-A

## NOTES:

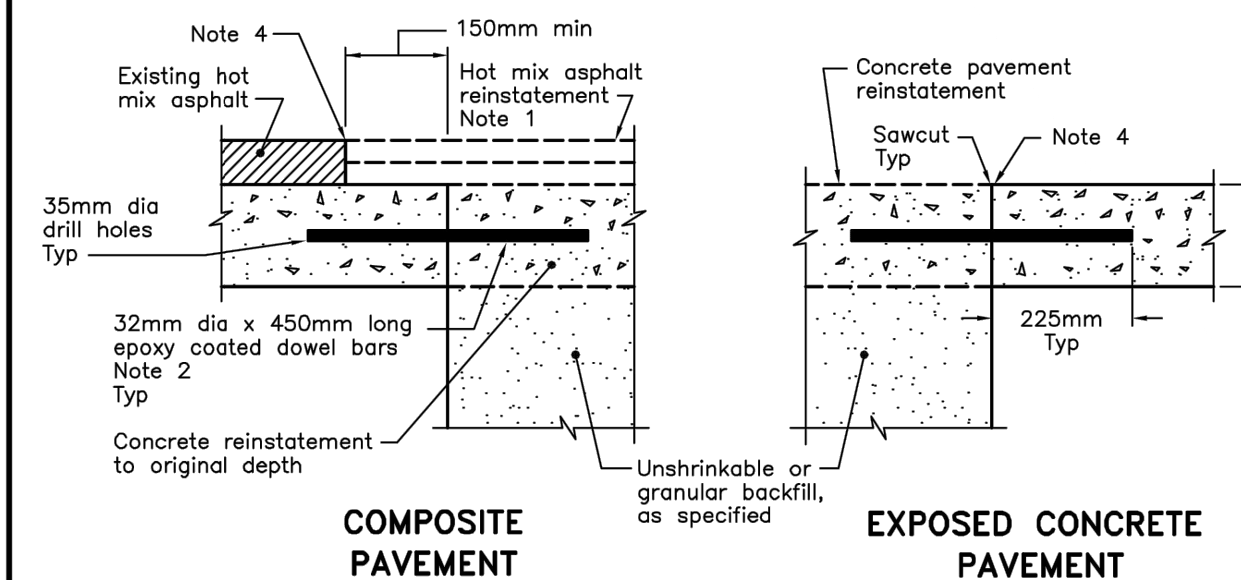
- For OPSD 402.030, the hoisting hook rib thickness shall be 29mm.
- A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2013 Rev 1

HOISTING HOOK RIB FOR CAST IRON FRAMES  
FOR CATCH BASINS, MAINTENANCE HOLES,  
AND VALVE CHAMBERS

OPSD 400.001

COMPOSITE  
PAVEMENTEXPOSED CONCRETE  
PAVEMENT

## HOT MIX ASPHALT PAVEMENT

## NOTES:

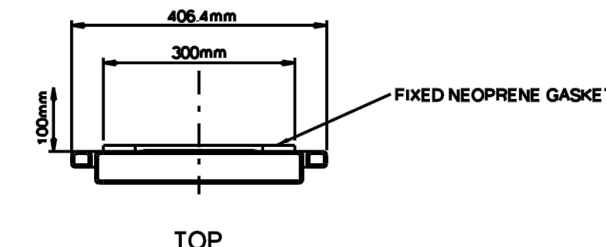
- Hot mix asphalt type as specified. The surface course shall be placed in a minimum 40mm lift, other binder course lift thicknesses shall not exceed 80mm.
- Dowels shall be installed at 300mm intervals along all transverse faces. The dowel bars shall be placed mid-depth of the specified slab thickness and parallel to the longitudinal axis and the horizontal plane of the pavement within the following tolerances: a) Vertical Alignment: ± 15mm along the length of the dowel bar. b) Horizontal Alignment: ± 15mm along the length of the dowel bar. c) Side Shift: The centre of the dowel bar shall lie within ± 40mm from the transverse joint. Tie bars shall be installed at 600mm intervals along all longitudinal faces and shall be aligned perpendicular to the longitudinal axis of the pavement. The tie bars shall be installed within a tolerance of ± 15mm from the specified depth. Where reinforcement is present, dowel and tie bars may be adjusted 25mm horizontally and raised or lowered 10mm to avoid drilling reinforcement. All dowels and tie bars shall be set with epoxy grout.
- Where existing hot mix asphalt depth is between 80 and 120mm the step joint shall be 40mm deep. A step joint is not required for pavement depths less than 80mm.
- Joint treatment as specified.
- A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

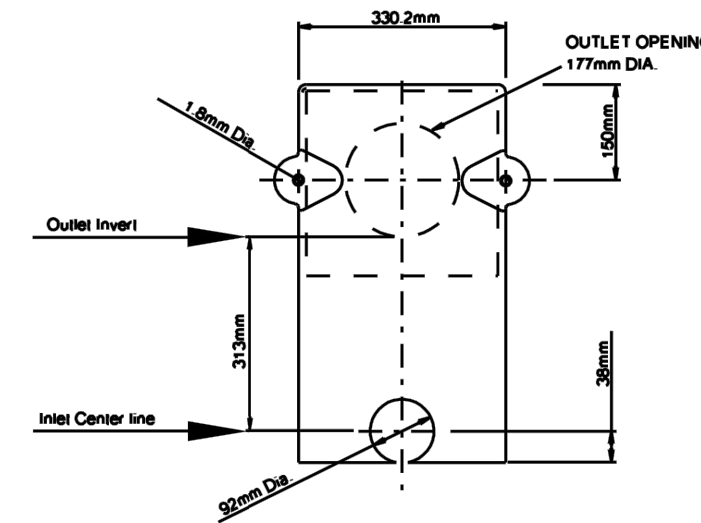
Nov 2013 Rev 2

PAVEMENT REINSTATEMENT  
FOR UTILITY CUTS

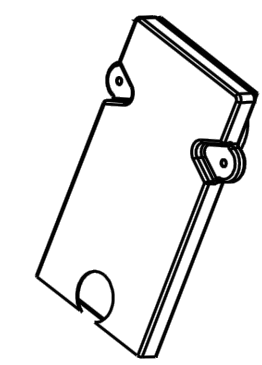
OPSD 509.010



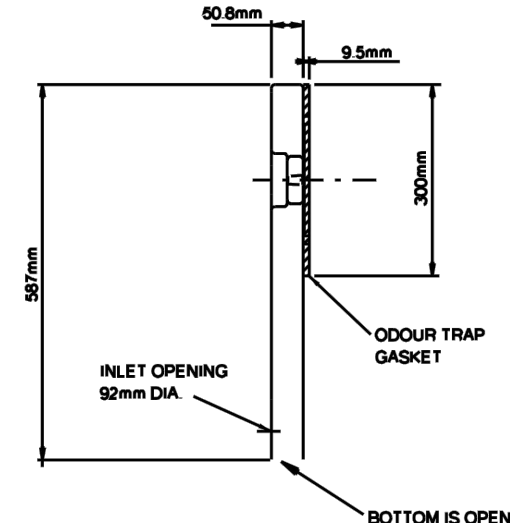
TOP



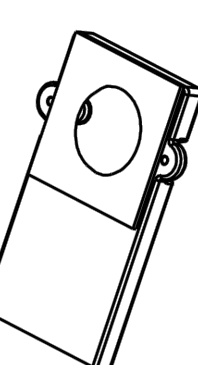
FRONT



FRONT VIEW



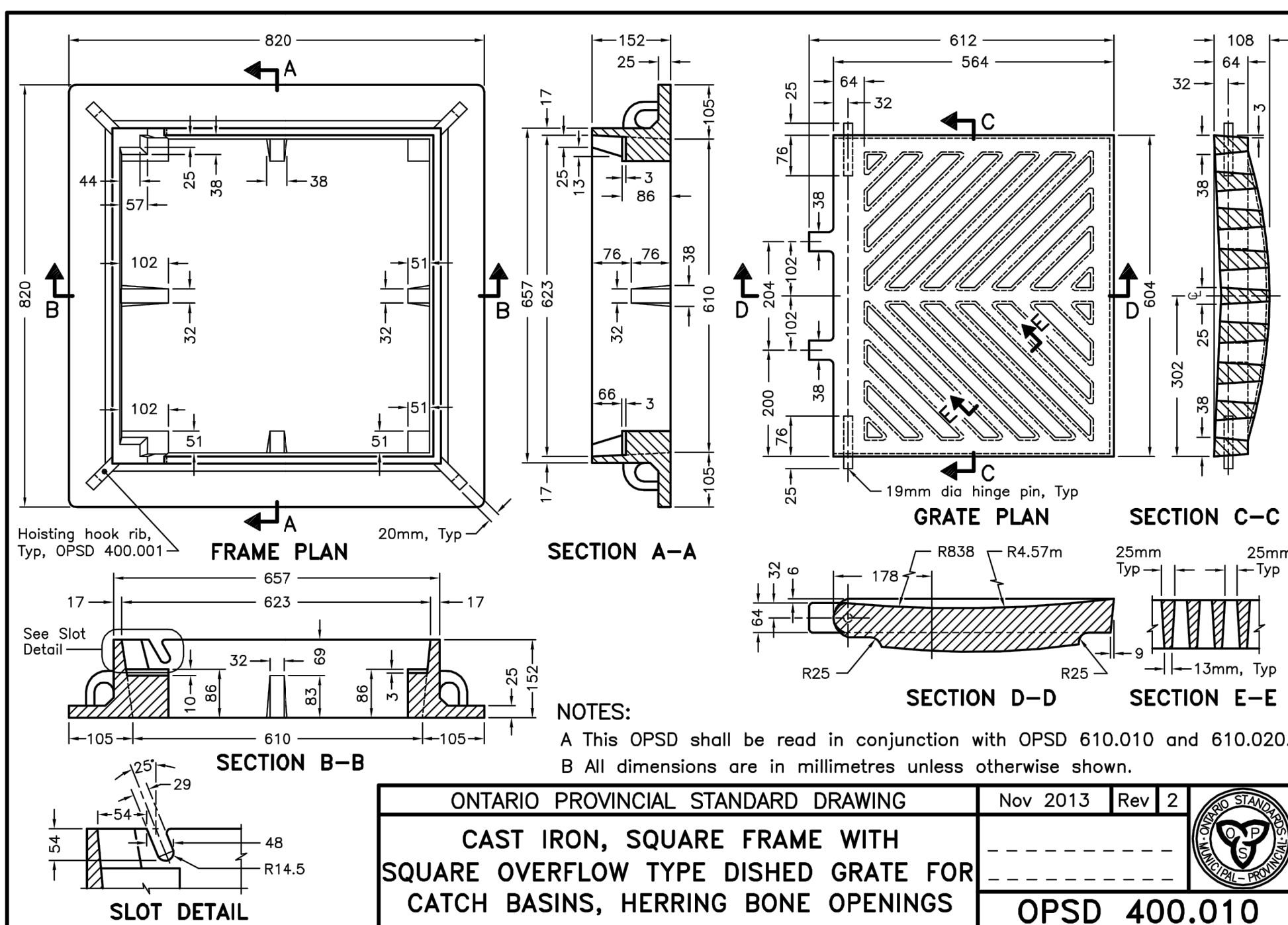
SIDE



REAR VIEW

## NOTES:

- ALL DIMENSIONS SHOWN ARE IN METRIC AND ARE APPROXIMATE.
- 2 - 6.0mm x 75mm STAINLESS STEEL WEDGE ANCHOR BOLTS WITH WASHERS ARE TO BE USED TO SECURE THE DEVICE FLUSH TO THE INSIDE CONCRETE FACE.
- THIS DEVICE WHEN INSTALLED IN A CB WITH THE CB LEAD INVERT TYPICALLY 1.2 METRES FROM GRADE WILL RESTRICT FLOWS IN THE RANGE OF 20L/s.
- THE DEVICE IS TO BE INSTALLED IN THE CB PRIOR TO THE CB BEING INSTALLED IN THE GROUND.

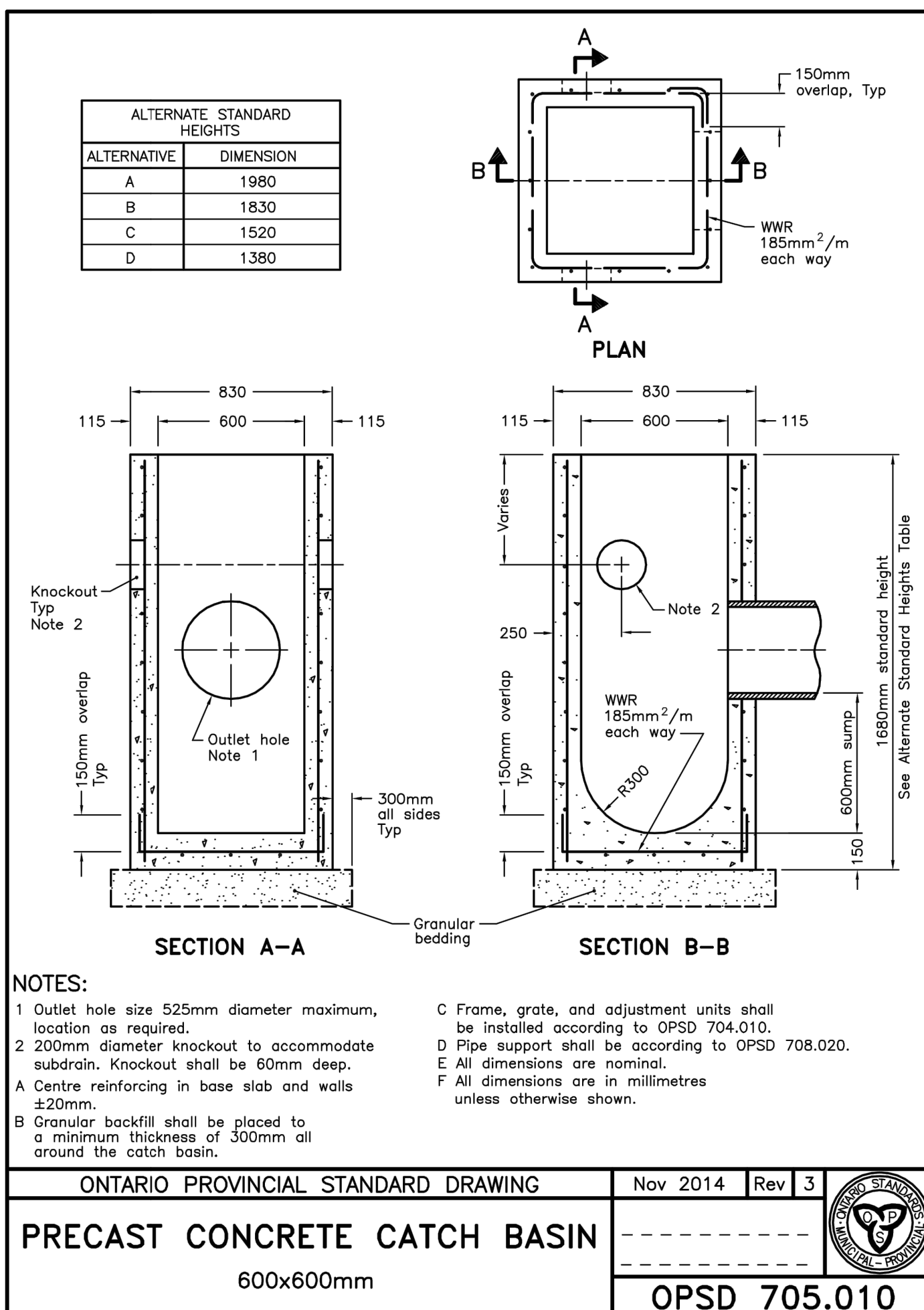
ODOUR TRAP DETAIL  
N.T.S.

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2013 Rev 2

CAST IRON, SQUARE FRAME WITH  
SQUARE OVERFLOW TYPE DISHED GRATE FOR  
CATCH BASINS, HERRING BONE OPENINGS

OPSD 400.010



## NOTES:

- Outlet hole size 525mm diameter maximum, location as required.
- 200mm diameter knockout to accommodate subdrain. Knockout shall be 60mm deep.
- A Centre reinforcing in base slab and walls ±20mm.
- B Granular backfill shall be placed to a minimum thickness of 300mm all around the catch basin.
- C Frame, grate, and adjustment units shall be installed according to OPSD 704.010.
- D Pipe support shall be according to OPSD 708.020.
- E All dimensions are nominal.
- F All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2014 Rev 3



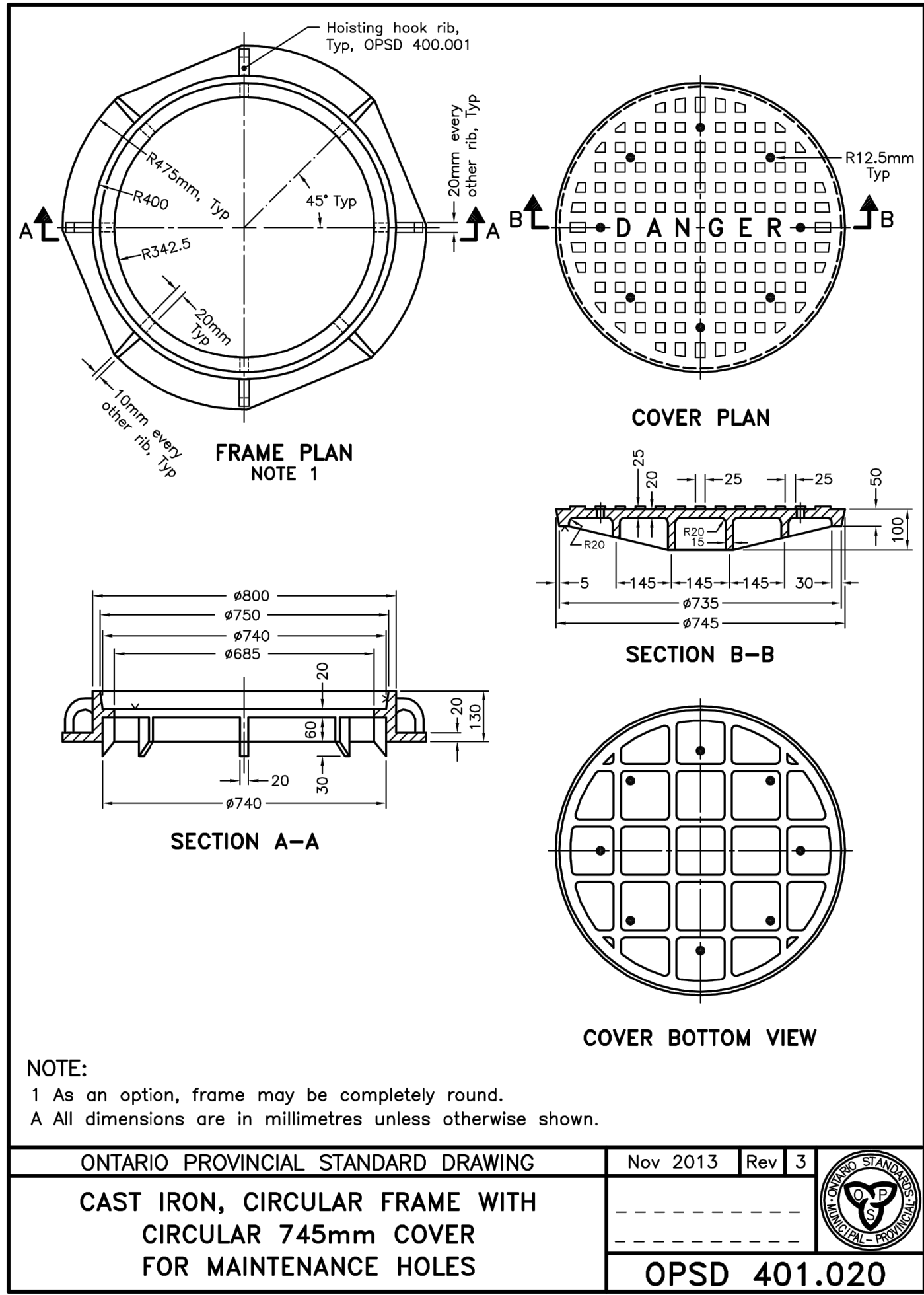
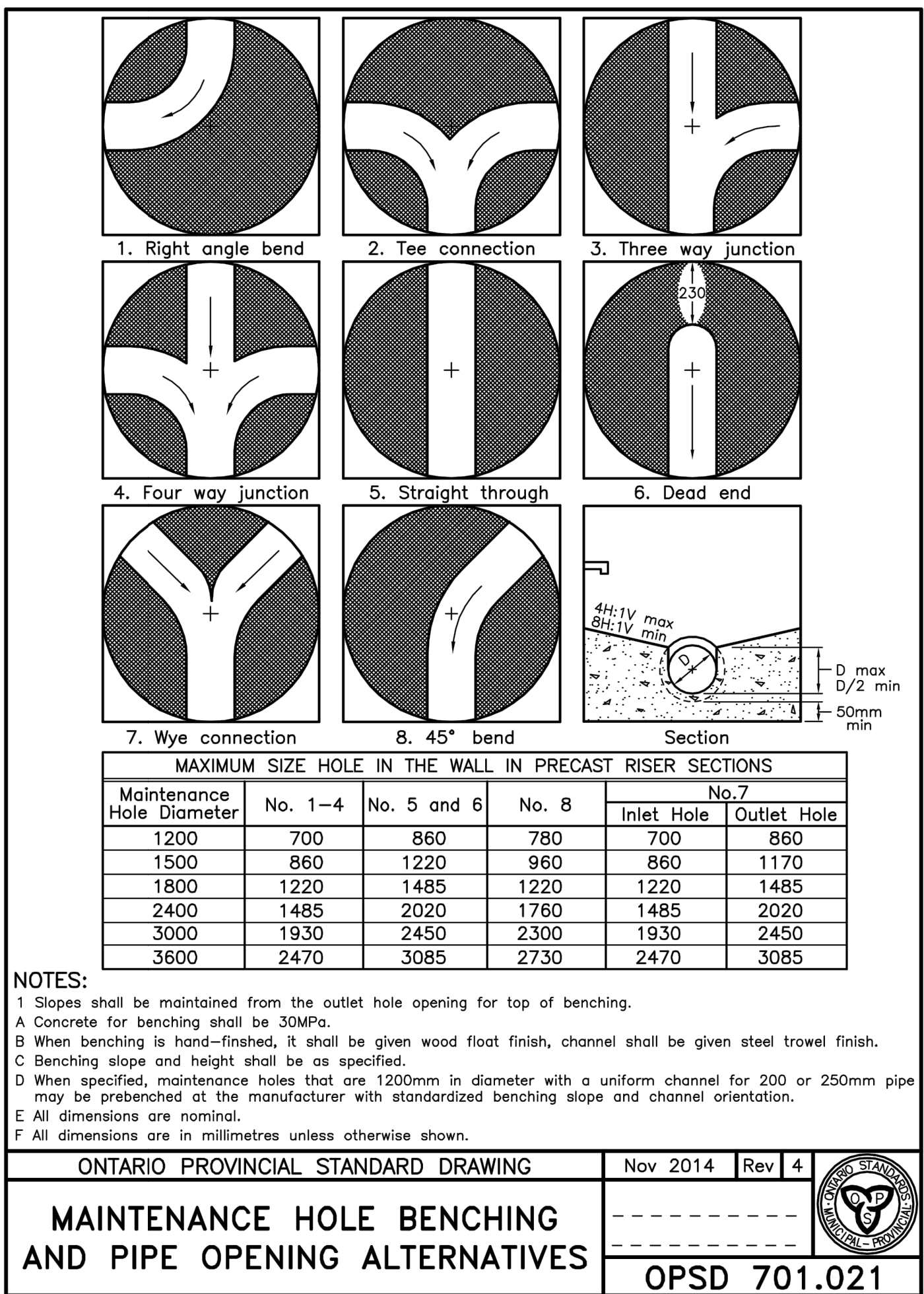
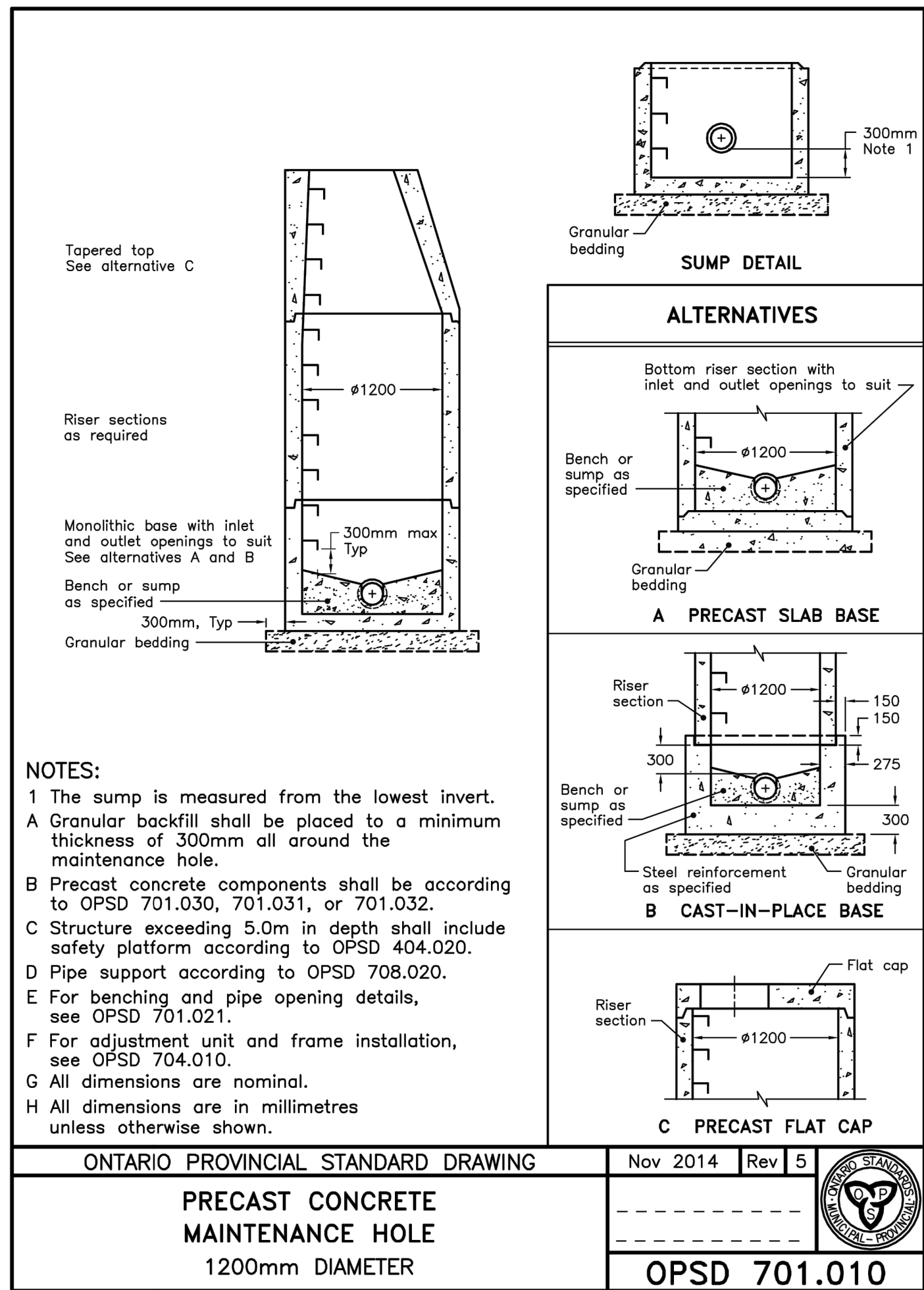
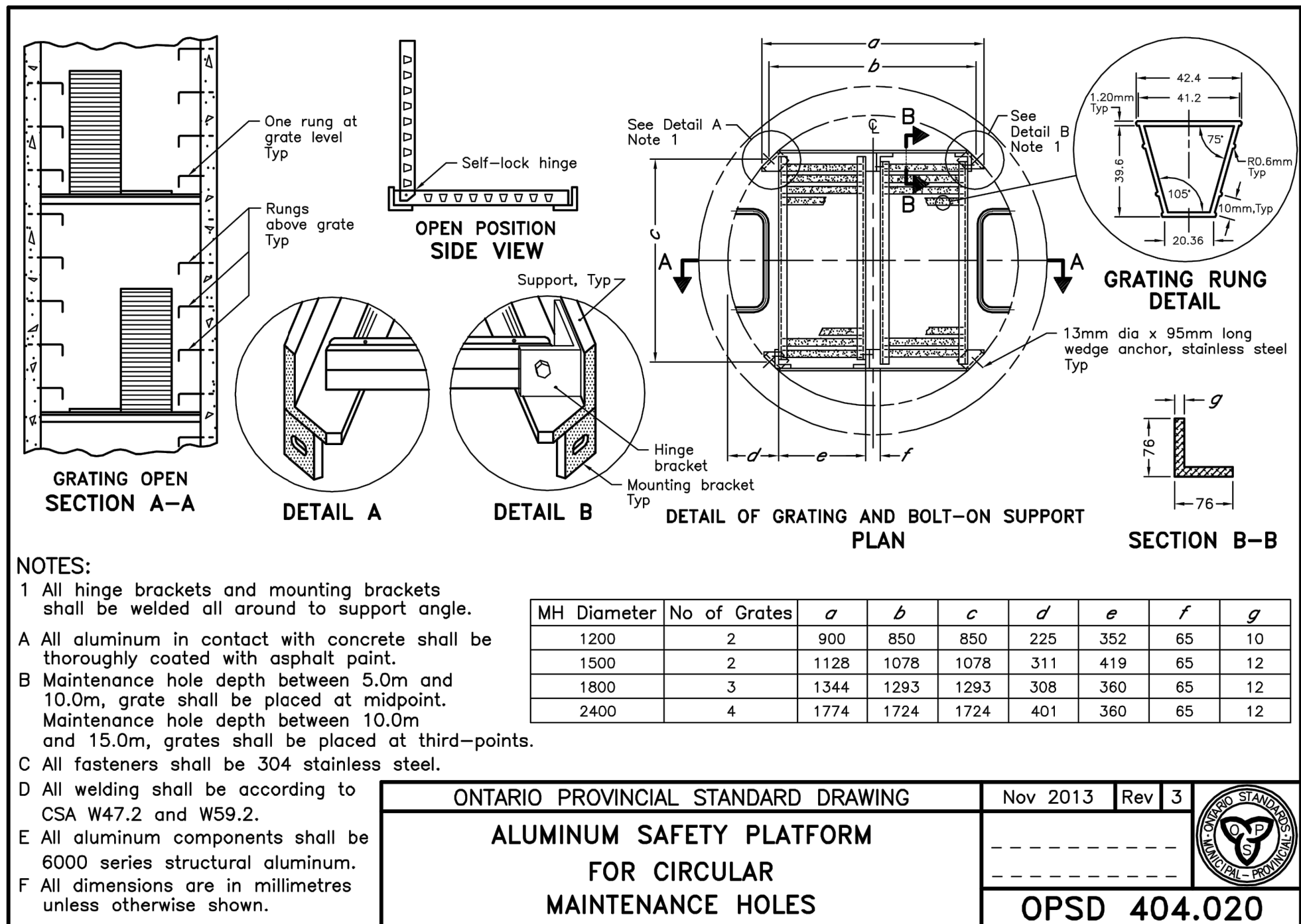
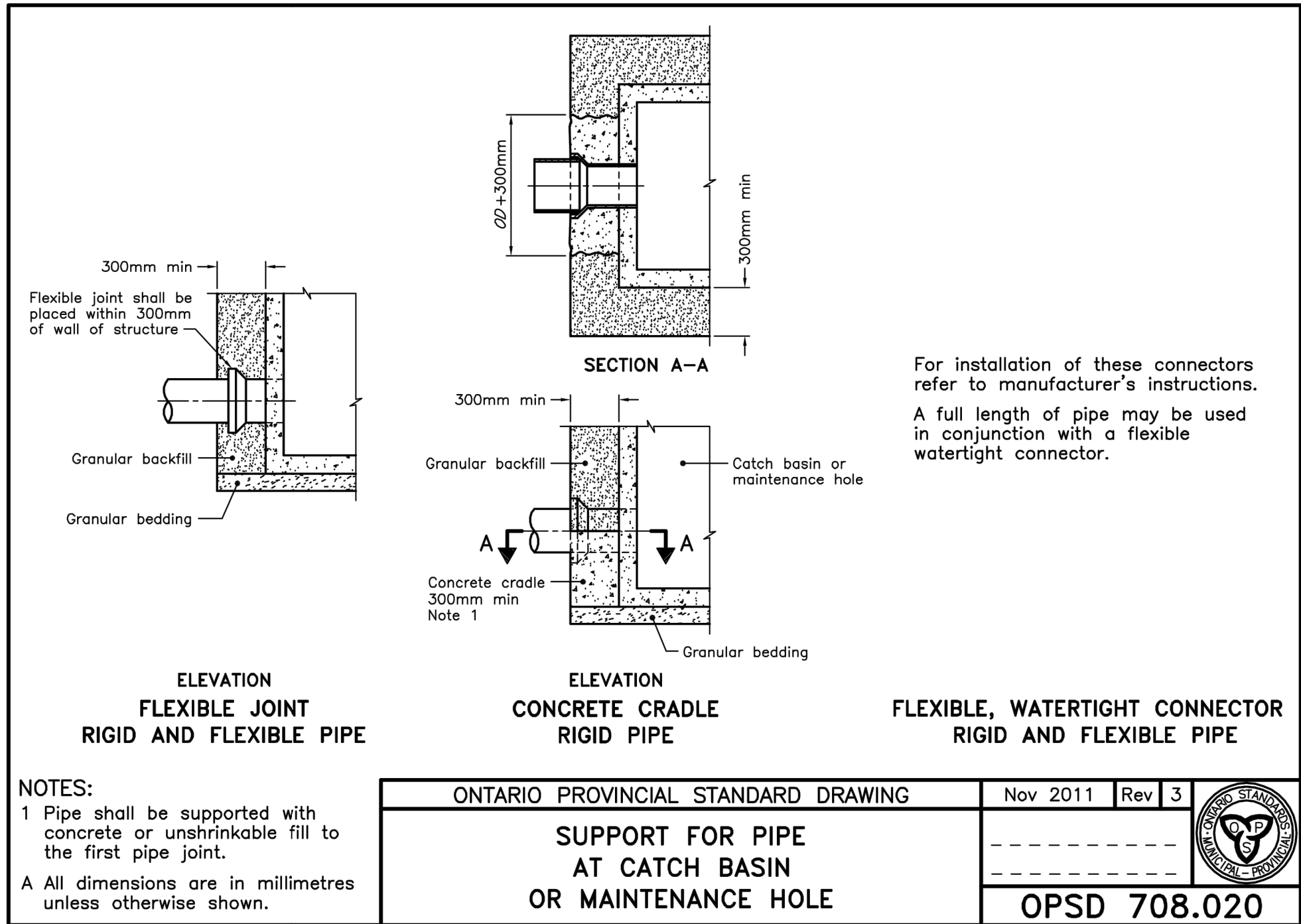
PRECAST CONCRETE CATCH BASIN

600x600mm

OPSD 705.010


Échelle/Scale: 1:250  
5m 0m 5m 10m 15m 20m 25m





Please Note:  
The utility information shown on this drawing has been collected using various sources and/or quality of information. It represents the best available data, but its accuracy or completeness cannot be guaranteed. This is only a single source of information. Contractors should contact the property owner and other PWGSC sources prior to digging. It is the responsibility of all subsequent users of this drawing to verify all pertinent information to the degree necessary to support subsequent designs, construction works, or other site interventions. Any discrepancies must immediately be brought to the attention of the PWGSC Geomatics Services.  
Geomatics.Geomatics@pwgsc-tpsgc.gc.ca

Veuillez noter :  
Les informations des servitudes figurant sur ce plan ont été recueillies à l'aide de diverses sources et/ou de qualité d'information. Elle représente nos meilleures données disponibles, mais l'exactitude ou l'intégrité ne peut être garantie. Elle ne s'agit que d'une seule source d'information, les entrepreneurs doivent communiquer avec le gestionnaire des biens de propriété de TPSGC et autres sources avant de creuser. Cela demeure la responsabilité de tous utilisateurs de ce plan de vérifier tous l'information pertinente pour le degré nécessaire en vue d'appuyer leurs travaux de conception, de construction ou à d'autres interventions. Tout écart doit immédiatement être porté à l'attention des services géomatique de TPSGC. Geomatics.Geomatics@pwgsc-tpsgc.gc.ca




Public Works and Government Services Canada

Travaux publics et services gouvernementaux Canada

Real Property Branch

Direction générale des biens immobiliers



Licensed Professional Engineer  
J.R. PETERS DECHMAN  
100071556  
2017-04-28  
PROVINCE OF ONTARIO

Contractor to verify all dimensions & conditions on site and immediately notify the departmental representative of all discrepancies.

revisions	description	date
3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19

A detail no. no. du detail

B location drawing no. sur dessin no.

C drawing no. dessin no.

project

555 BOOTH STREET SOIL REMEDIATION

project

drawing

DETAILS II

dessin

Designed By

STEPHANIE DEMERS, P.ENG

Conçu par

Date

2016/12/19

(yyyy/mm/dd)

Drawn By

WARREN JOHNSON, C.E.T.

Dessiné par

Date

2016/12/19

(yyyy/mm/dd)

Reviewed By

KRIS KILBORN

Examiné par

Date

2016/12/19

(yyyy/mm/dd)

Approved By

JILL PETERS DECHMAN, P.ENG

Approuvé par

Date

2016/12/19

(yyyy/mm/dd)

Tender

AHMAD KHODR

Soumission

Project Manager

Administrateur de projets

Project no.

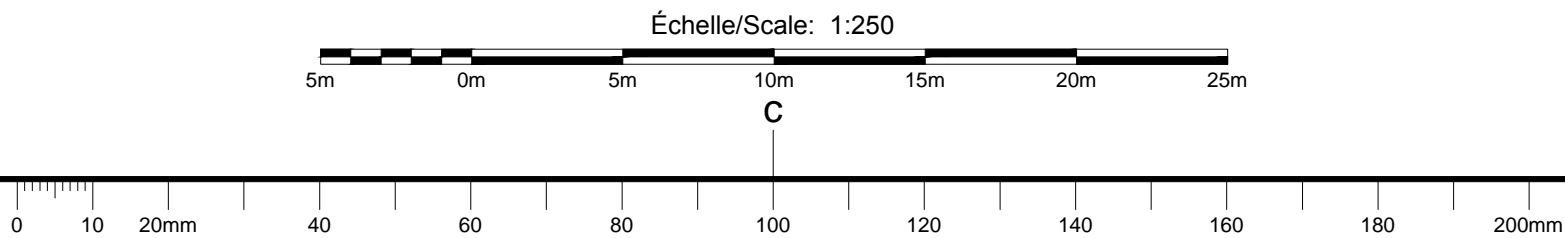
No. du projet

R.082784.002

Drawing no.

No. du dessin

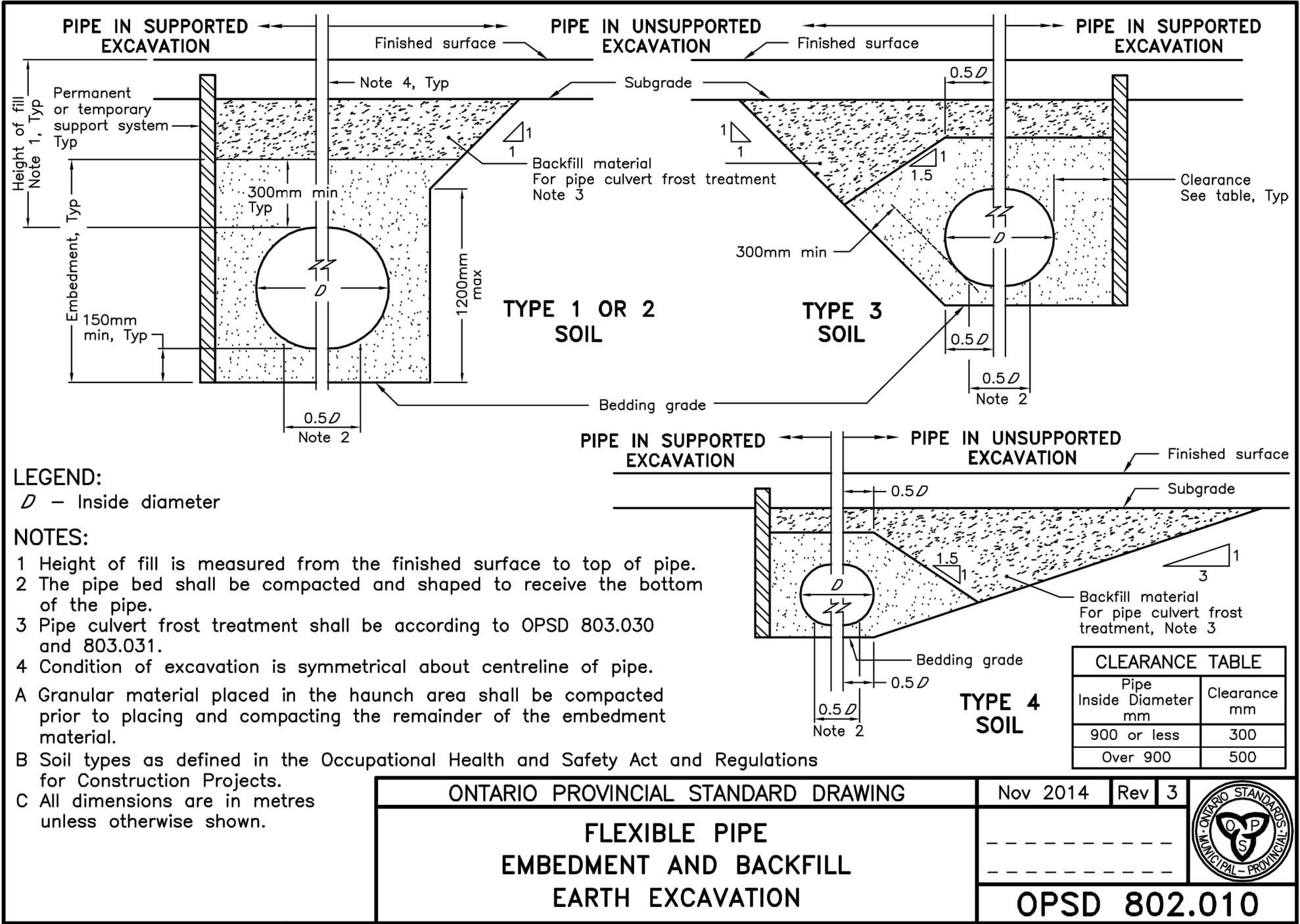
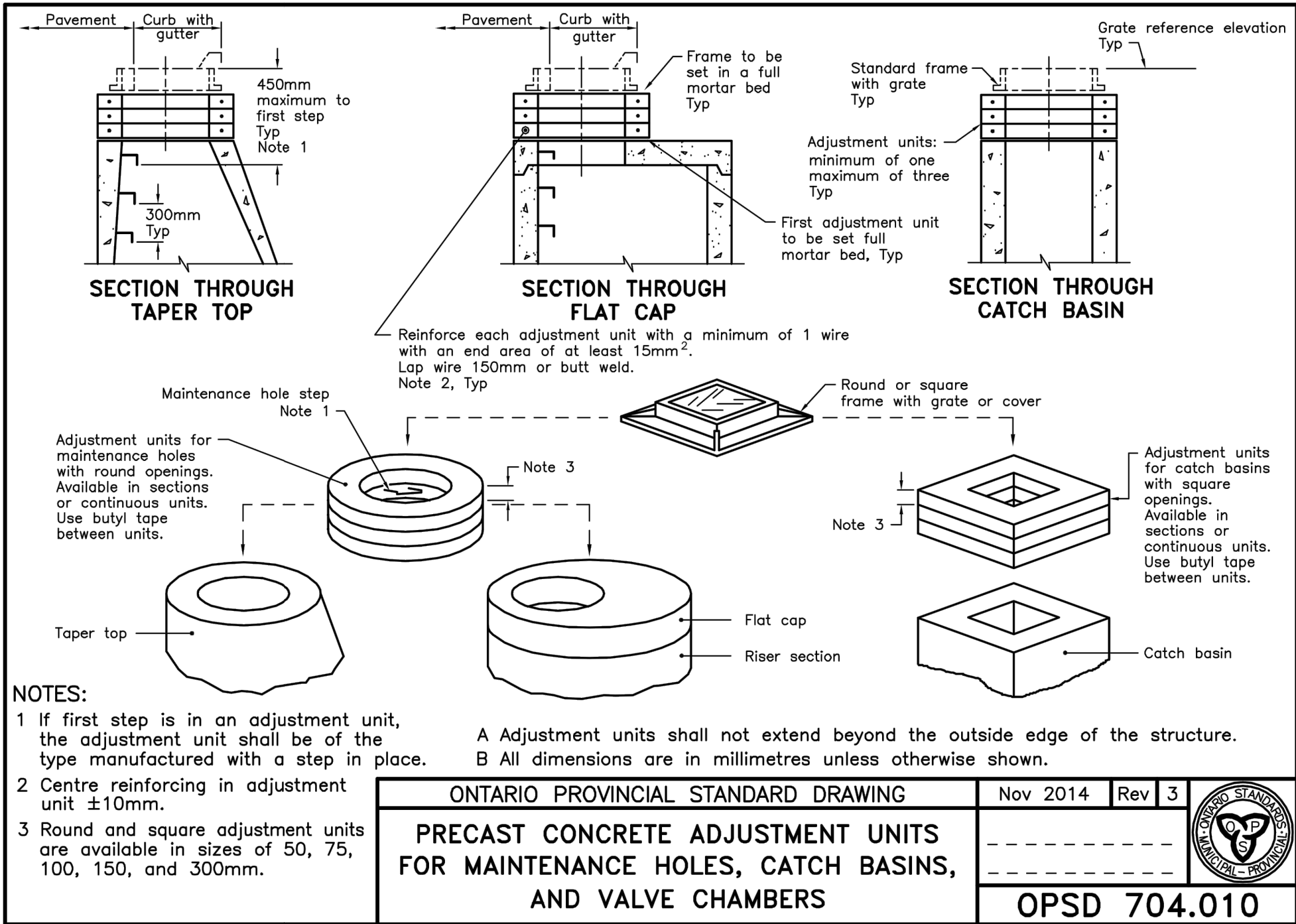
C5











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Geomatics, Geomatique@pwgsc-tpsgc.gc.ca

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Contractor to verify all dimensions & conditions on site and immediately notify the departmental representative of all discrepancies.

3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19
revisions	description	date

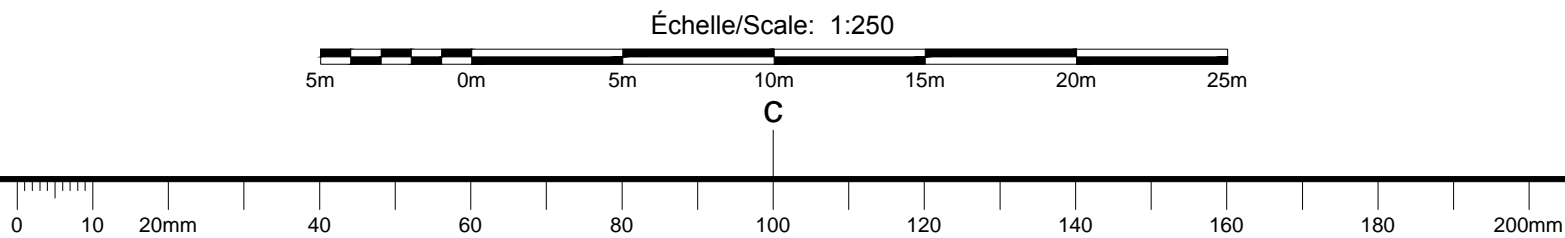
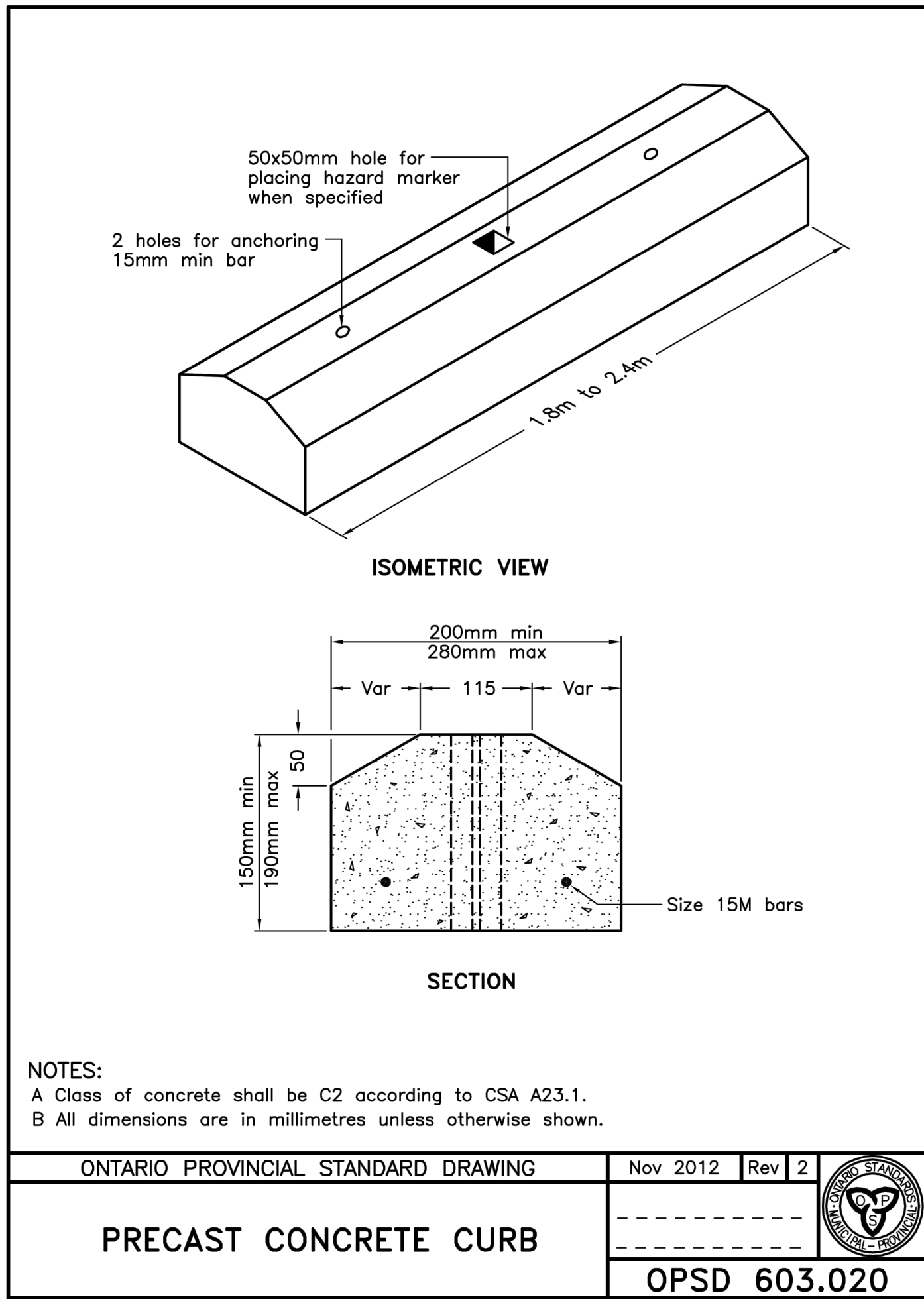
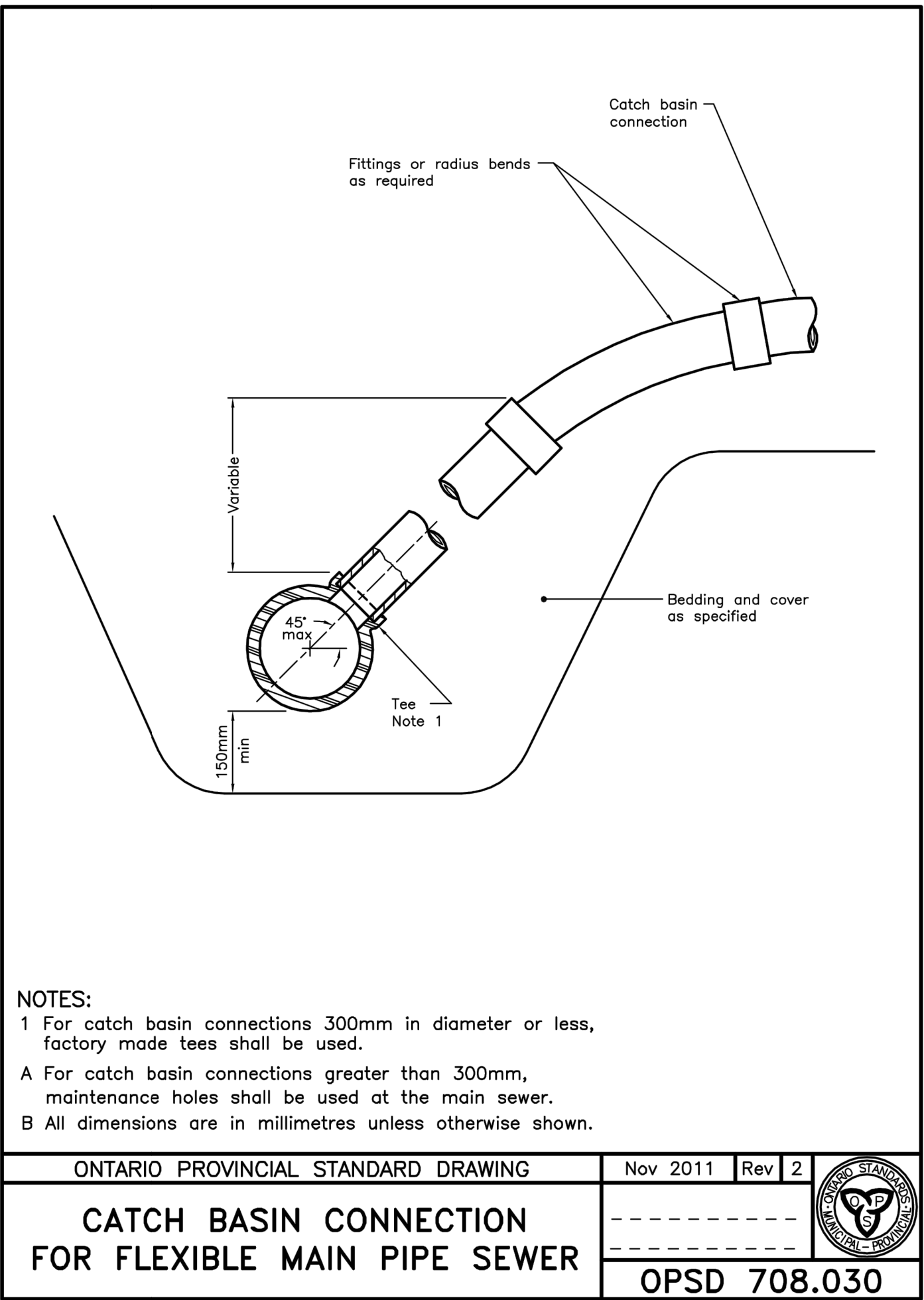
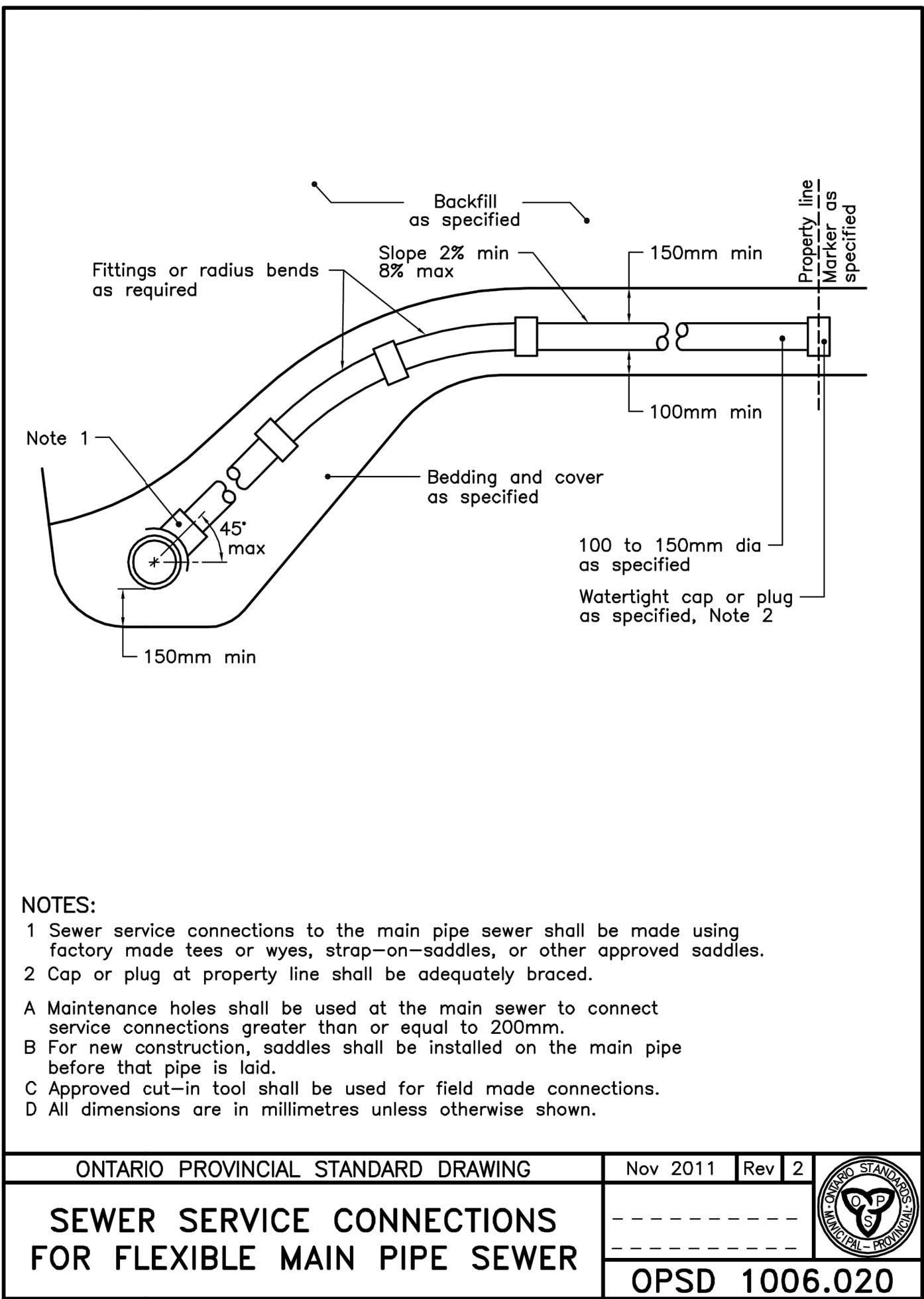
A	A detail no. no. du detail	A
C	B location drawing no. sur dessin no.	B
	C drawing no. dessin no.	C

project  
555 BOOTH STREET  
SOIL REMEDIATION

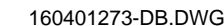
drawing  
DETAILS IV

Designed By	STEPHANIE DEMERS, P.ENG	Conçu par	
Date	2016/12/19	(yyyy/mm/dd)	
Drawn By	WARREN JOHNSON, C.E.T.	Dessiné par	
Date	2016/12/19	(yyyy/mm/dd)	
Reviewed By	KRIS KILBORN	Examiné par	
Date	2016/12/19	(yyyy/mm/dd)	
Approved By	JILL PETERS DECHMAN, P.ENG	Approuvé par	
Date	2016/12/19	(yyyy/mm/dd)	
Tender	AHMAD KHODR	Soumission	
Project Manager	Administrateur de projets		
Project no.	No. du projet		
	R.082784.002		
Drawing no.	No. du dessin		

C7





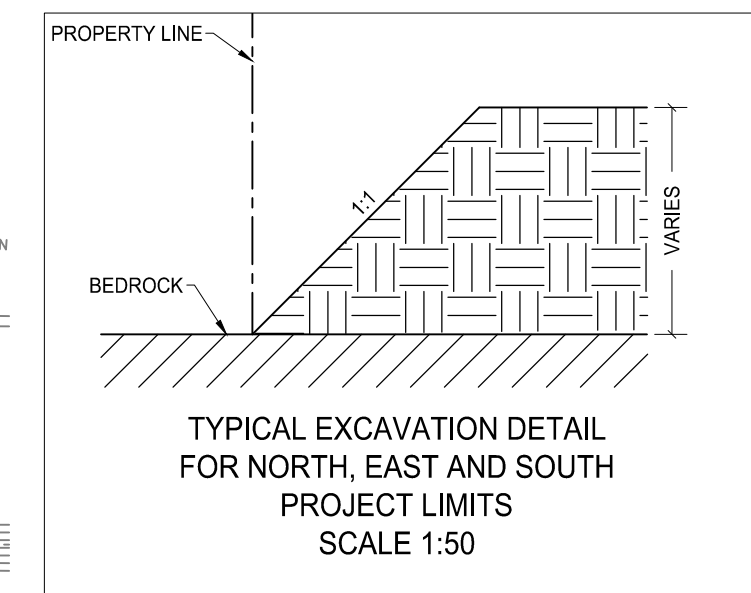

















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1. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS STANDARD SPECIFICATIONS AND DRAWINGS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME.
3. SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATIONS FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
4. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
5. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN, WHICH WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION OF THE ENVIRONMENT AND PREVENT EROSION AND SEDIMENTATION ACTIVITIES. THIS PLAN SHALL INCLUDE BUT NOT LIMITED TO FILTER CLOTH ON CATCH BASINS, STRAW BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. EROSION SHALL BE PLUMBED INTO SEDIMENT TRAPS.
6. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED. DIMENSIONS SHALL BE CHECKED AND SHIPPED IN ACCORDANCE WITH THE CONTRACT PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ENGINEER.
7. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE DEPARTMENTAL REPRESENTATIVE HAS BEEN OBTAINED.
8. HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE TO BE NOTIFIED IF DEEPLY BURIED ARCHAEOLOGICAL REMAINS ARE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES.

SIDE SLOPES FOR TEMPORARY EXCAVATIONS SHOULD CONFORM TO THE OCCUPATIONAL HEALTH AND SAFETY ACT REGULATIONS FOR CONSTRUCTION PROJECTS. THE SOILS AT THE SITE ARE CLASSIFIED AS TYPE 3 SOIL. TEMPORARY EXCAVATIONS WALLS IN TYPE 3 SOIL, SHOULD BE SLOPED FROM THE BOTTOM WITH A MINIMUM SLOPE OF ONE HORIZONTAL TO ONE VERTICAL. EXCAVATION WALLS MUST BE STABLE AS TO NOT AFFECT THE INTEGRITY AND STABILITY OF THE HARDWARE OR THE SIDEWALKS, UTILITIES, OR OTHER FEATURES BEYOND THE HARDWARE AND JOINTS OF UTILITIES.

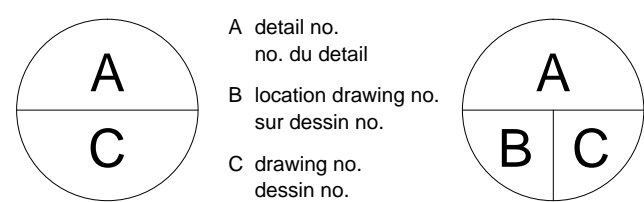
9. REMOVE AND DISPOSE OF TREES AND SHRUBS AS INDICATED ON DRAWING L100.
10. EXCAVATE TO BEDROCK ALL SOILS WITHIN THE EXCAVATION LIMITS SHOWN.



	GENERAL MANHOLE		BELL PEDESTAL
	SANITARY MANHOLE		CABLE PEDESTAL
	STORM MANHOLE		ROAD BOLLARD
	ELECTRICAL MANHOLE		METAL GATE POST
	METER CHAMBER		STANDOFF
	FIRE HYDRANT		SQUARE CATCH BASIN
	VALVE CHAMBER		LIGHT STANDARD
	VALVE BOX		
	EXISTING BUILDING ENTRANCE		

**Contractor to verify all dimensions & conditions on site and immediately notify the departmental representative of all discrepancies.**

3	ISSUED FOR TENDER	2017/03/
2	99% REVIEW	2017/02/
1	75% REVIEW	2016/12/
revisions	description	date



project project

555 BOOTH STREET  
SOIL REMEDIATION

drawing \_\_\_\_\_  
dessin \_\_\_\_\_

# EXCAVATION AND SELECTED SITE DEMOLITION PLAN

Designed By	STEPHANIE DEMERS, P.ENG	Conçu par
Date	2016/12/19	(yyyy/mm/dd)
Drawn By	WARREN JOHNSON, C.E.T.	Dessiné par
Date	2016/12/19	(yyyy/mm/dd)
Reviewed By	KRIS KILBORN	Examiné par
Date	2016/12/19	(yyyy/mm/dd)
Approved By	JILL PETERS DECHMAN, P.ENG	Approuvé par
Date	2016/12/19	(yyyy/mm/dd)
Tender	AHMAD KHODR	Soumission
Project Manager	Administrateur de projets	
Project no.		No. du projet

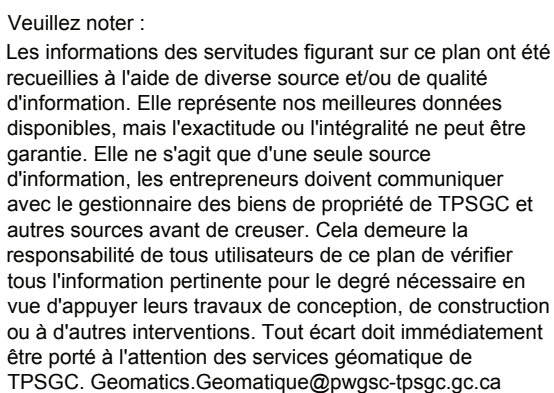
R.082784.002

D1

















1. GENERAL
  - 1.1. THE GENERAL NOTES AND TYPICAL DETAILS ARE APPLICABLE TO ALL STRUCTURAL CONDITIONS NOT SPECIFICALLY DETAILED OR REFERENCED ON STRUCTURAL DRAWINGS.
  - 1.2. READ THESE DESIGN NOTES IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS.
2. CODES AND STANDARDS
  - 2.1. DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2012 OR NBC2015 WHICHEVER IS MORE RESTRICTIVE.
3. SHOP DRAWINGS AND SUBMITTALS
  - 3.1. GENERAL : REFER TO SPECIFICATION 013300 FOR SUBMITTAL PROCEDURE.
  - 3.2. REINFORCED CONCRETE : SUBMIT FOR REVIEW REINFORCEMENT PLACING DRAWINGS AND BAR LISTS FOR EVERY PORTION OF THE STRUCTURE ON PLAN.
4. DIMENSIONS
  - 4.1. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS OF THE JOB AND SHALL INFORM DEPARTMENTAL REPRESENTATIVE OF ANY VARIATION FROM THE DIMENSION AND CONDITION SHOWN ON THE DRAWING.
5. INSPECTION AND TESTING
  - 5.1. THE FOLLOWING ITEMS SHALL BE INSPECTED OR TESTED BY INDEPENDANT INSPECTION/TESTING AGENCIES PAID FOR BY THE CONTRACTOR. MATERIALS AND WORKMANSHIP NOT CONFORMING TO THE SPECIFICATIONS SHALL BE REJECTED BY THE CONTRACTOR. REPORTS AND TEST RESULTS SHALL BE PROMPTLY SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW. TESTING SHALL INCLUDE BUT NOT BE LIMITED TO :  
  
-CONCRETE : CONCRETE AND GROUT TESTING IN ACCORDANCE WITH CSA A23.2 LATEST EDITION AND THE SPECIFICATIONS, INCLUDING THE REQUIREMENTS OF SLUMP, AIR AND AGE PRIOR TO BEING USED. CONTRACTOR TO KEEP RECORDS OF POUR DATES, TESTING PERFORMED, CLASS OF CONCRETE USED WITH LOCATION AND TEST RESULTS FOR ALL ITEMS POURED.  
  
-REINFORCING STEEL : CONTRACTOR SHALL ADVISE DEPARTMENTAL REPRESENTATIVE OF REQUIRED REINFORCING STEEL SITE REVIEW AT LEAST 24 HOURS PRIOR TO CLOSING OF WALL FORMS AND 24 HOURS PRIOR TO PLACING OF CONCRETE FOOTINGS, ETC.
6. FOUNDATIONS
  - 6.1. ALL FOUNDATIONS TO BEAR ON ROCK.
  - 6.2. FOR BACKFILL MATERIAL REFER TO SPECIFICATION SECTION 31 23 33.01 - EXCAVATING, TRENCHING AND BACKFILLING..

**-REINFORCING STEEL :** CONTRACTOR SHALL ADVISE DEPARTMENTAL REPRESENTATIVE OF REQUIRED REINFORCING STEEL SITE REVIEW AT LEAST 24 HOURS PRIOR TO CLOSING OF WALL FORMS AND 24 HOURS PRIOR TO PLACING OF CONCRETE FOOTINGS, ETC.

6. FOUNDATIONS
- 6.1. ALL FOUNDATIONS TO BEAR ON ROCK.
- 6.2. FOR BACKFILL MATERIAL REFER TO SPECIFICATION SECTION 31 23 33.01 - EXCAVATING, TRENCHING AND BACKFILLING..
7. CONCRETE
- ALL CONCRETE WORK TO BE IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA STANDARDS CAN/CSA-A23.1 AND CAN/CSA-A23.3 WITH THE FOLLOWING FURTHER PROVISIONS:

8. CONCRETE COVER (CLEAR TO REINFORCING)

## 9. REINFORCING STEEL

- 9.1. DETAIL AND PLACE REINFORCING STEEL IN ACCORDANCE WITH THE R.S.I.C. "REINFORCING STEEL MANUAL OF STANDARD PRACTICE" AND CSA-A23.1 UNLESS OTHERWISE NOTED.
- 9.2. PROVIDE DEFORMED BARS WITH YIELD STRENGTH OF 400 MPa AS SPECIFIED IN CSA G30.18-M92.
- 9.3. REINFORCING CHAIRS : PROVIDE CHAIRS, SPACER BARS, SUPPORT BARS AND OTHER ACCESSORIES TO SUPPORT REINFORCING IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA A23.1 AND A23.3 CHAIRS TO BE PLASTIC, PLASTIC TIPPED OR CONCRETE. ALL THE WIRE, CHAIRS AND BAR SUPPORTS USED FOR COATED REINFORCING SHALL BE NON-METALLIC OR PROTECTED WITH AN ACCEPTABLE COATING.
10. STRUCTURAL STEEL
- 10.1. DESIGN, FABRICATION, ERECTION AND OTHER CONSTRUCTION PRACTICES TO CONFORM CSA-S16.1 CANADIAN CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL.
- 10.2. WELDING TO CONFORM CSA W-59.
- 10.3. STEEL TO BE FABRICATED AND ERECTED BY A SHOP CERTIFIED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENT OF CSA-W47.1, DIVISION 1 OR 2.1 ONLY.
- 10.4. STRUCTURAL STEEL PLATE SHALL BE CSA G40.21 300W.
- 10.5. ANCHOR RODS SHALL BE ASTM F1554 GRADE-105 K1.



NOTE : NEW SIGN WILL BE LOCATED AT THE SAME LOCATION OF THE EXISTING SIGN.  
REFER TO DRAWING D1 FOR THE LOCATION

2 NEW SIGN POST ELEVATION  
S01 1:20

**Contractor to verify all dimensions & conditions on site and immediately notify the departmental representative of all discrepancies.**

03	ISSUED FOR TENDER	2017/03/2
02	ISSUED FOR 99% REVIEW	2017/02/22
01	ISSUED FOR 75% REVIEW	2016/12/1
revisions	description	date

A detail no.  
no. du detail

B location drawing no.  
sur dessin no.

C drawing no.  
dessin no.

project	project
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555 BOOTH STREET  
SOIL REMEDIATION

drawing	dessin
---------	--------

### SIGN POST DETAILS

Designed By	Concurrence
-------------	-------------

Date: 2016/12/13 (yy/mm/dd)

Date	( )/ /
Drawn By	Dessiné par

CLAUDIA BONNEAU  
2016/12/13

Date	(yyyy/mm/dd)
Reviewed By	Examined per

Reviewed By RAMEZ SIDAROS, P.ENG  
2016/12/13

Date	2019/12/19	(yyyy/mm/dd)
Account ID	Account Name	

Approved By RAMEZ SIDAROS, P.ENG

Date	2016/12/13	(yyyy/mm/dd)
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Tender	AHMAD KHODR	Soumission
--------	-------------	------------

Project Manager      Administrateur de projets

Project no.	No. du projet
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R.082784.002

Drawing no.	No. du dessin
-------------	---------------

S1