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 Geomatics.Geomatic@pwgsc-tpsgc.gc.ca

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— B — B —	UG BELL TELEPHONE SERVICE
— E — E —	UG LOW VOLTAGE ELECTRICAL
— ABN/E —	UG ELECTRICAL SERVICE ABN
— HV — HV —	UG HIGH VOLTAGE ELECTRICAL
— A-HV —	AG HIGH VOLTAGE ELECTRICAL
— WM —	WATERMAIN CONDUIT
— ABN/WM —	WATERMAIN ABANDONED
— ST — ST —	STORM SEWER
— ABN/ST —	STORM ABANDONED
— SA — SA —	SANITARY SEWER
— COMB —	COMBINED SEWER
— ABN/SA —	SANITARY ABANDONED
— G — G —	GAS LINE
— ABN/G —	GAS LINE ABANDONED
—	PROPERTY LINE

□	SQUARE IRON BAR	□	BELL PEDESTAL
○	ROUND IRON BAR	□	CABLE PEDESTAL
⊕	SURVEY NAIL	○	ROAD BOLLARD
⊙	BENCH MARK	⊕	ENVIRONMENTAL MONITOR WELL
○	GENERAL MANHOLE	⊕	GEOTECH TEST PIT
○	SANITARY MANHOLE	⊕	GEOTECH BOREHOLE
○	STORM MANHOLE	⊕	METAL GATE POST
○	ELECTRICAL MANHOLE	⊕	FLAG POLE
⊕	METER CHAMBER	⊕	STANDPIPE
⊕	FIRE HYDRANT	⊕	VALVE CHAMBER
⊕	VALVE CHAMBER	⊕	VALVE BOX
⊕	TREE STUMP	⊕	SQUARE CATCH BASIN
⊕	EXISTING BUILDING ENTRANCE	⊕	SHRUB

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

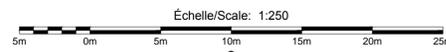
revisions	description	date
3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19

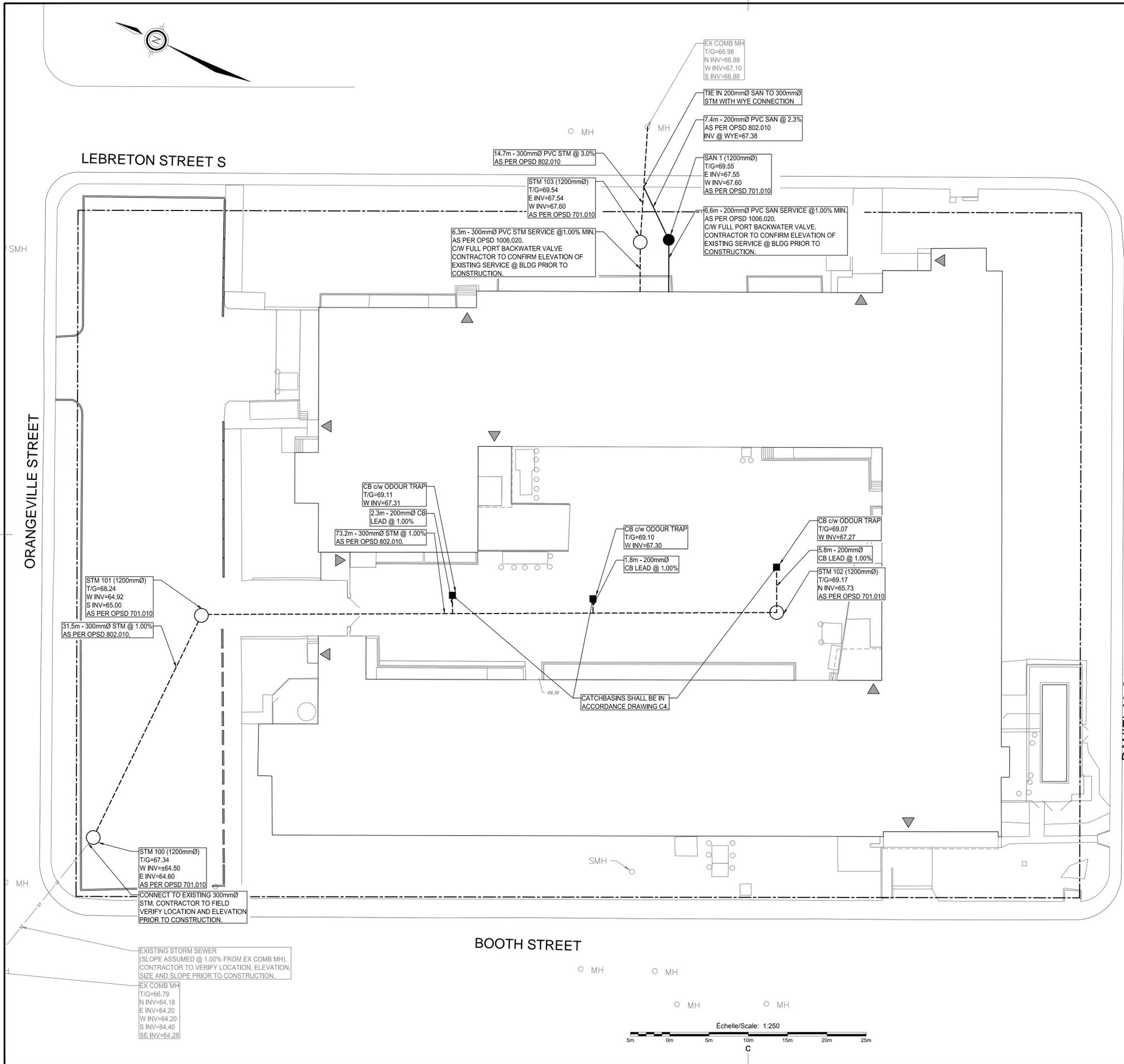
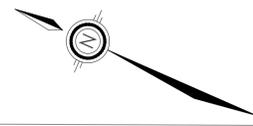
A	A detail no. no. du détail	A
B	B location drawing no. sur dessin no.	B C
C	C drawing no. dessin no.	

project 555 BOOTH STREET SOIL REMEDIATION

drawing EXISTING CONDITIONS AND TOPOGRAPHIC SURVEY 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			
Drawing no.	No. du dessin		





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**GENERAL NOTES AND SPECIFICATIONS**

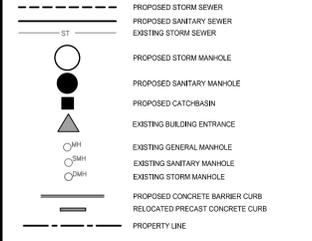
- ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS STANDARD SPECIFICATIONS AND DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME.
- SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
- ALL DISTURBED AREAS SHALL BE REINSTATED 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 OPSD 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.
- 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 EXCAVATION WALLS IN TYPE 3 SOIL SHOULD BE SLOPED FROM THE BOTTOM WITH A MINIMUM GRADIENT OF ONE HORIZONTAL TO ONE VERTICAL. EXCAVATION WALLS MUST BE STABLE AS TO NOT AFFECT THE INTEGRITY AND STABILITY OF THE HOARDING OR THE SIDEWALKS, UTILITIES, OR OTHER FEATURES BEYOND THE HOARDING.

**STORM AND SANITARY SEWERS**

- STORM AND SANITARY SEWERS 375mm DIA. OR SMALLER SHALL BE PVC SDR35. STORM AND SANITARY SEWERS LARGER THAN 375mm SHALL BE CONCRETE CSA A 267.2 CLASS 100-D AS PER OPSD 807.010.
- ALL STORM AND SANITARY SEWER BEDDING SHALL BE INSTALLED AS PER OPSD 802.010 CLASS 'B' BEDDING UNLESS OTHERWISE NOTED. COMPACTION SHALL BE A MINIMUM OF 90% STANDARD PROCTOR MAXIMUM DRY DENSITY. SUITABLE BEDDING AND COVER MATERIAL TO BE SPECIFIED BY DEPARTMENTAL REPRESENTATIVE.
- STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-701.010.
- ALL SEWERS CONSTRUCTED WITH GRADES 0.5% OR LESS. TO BE INSTALLED WITH LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
- 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 OVERTOP.
- SAFETY PLATFORMS SHALL BE INSTALLED IN ACCORDANCE WITH OPSD 404.020.
- ALL STORM AND SANITARY SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
- 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.
- 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 STORM AND SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW.

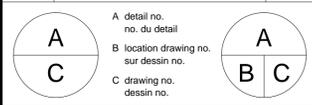
**GRADING**

- 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.



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

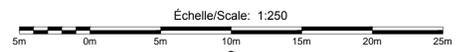
revisions	description	date
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2	99% REVIEW	2017/02/27
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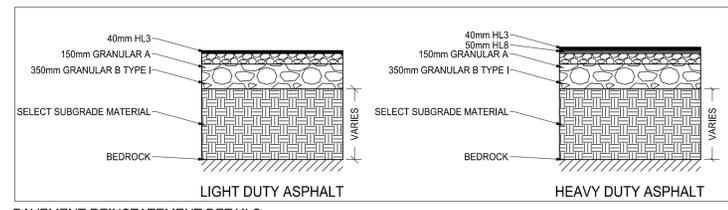
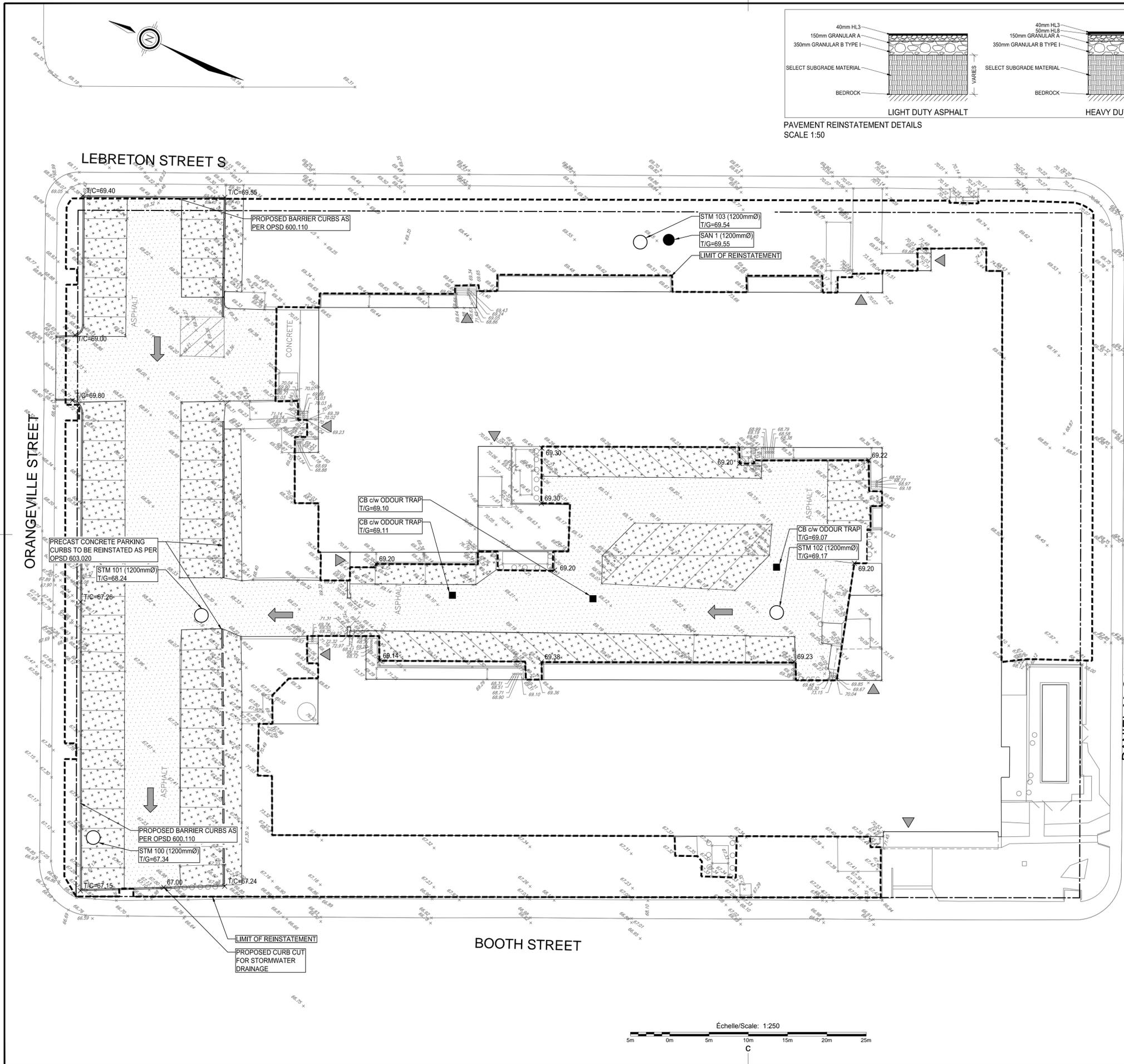


project  
**555 BOOTH STREET SOIL REMEDIATION**  
project

drawing  
**SITE SERVICING 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		
	<b>R.082784.002</b>		
Drawing no.	No. du dessin		
	<b>C2</b>		





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3. ALL DISTURBED AREAS SHALL BE REINSTATED 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.
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. 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.
6. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE DEPARTMENTAL REPRESENTATIVE HAS BEEN OBTAINED.

**PARKING LOT**

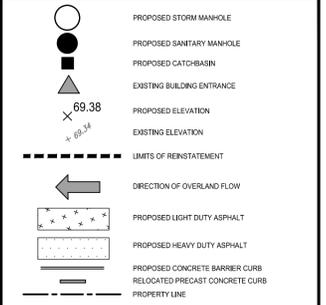
1. ALL GRANULAR FOR PARKING AREAS SHALL BE COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
2. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE.
3. CONTRACTOR TO OBTAIN 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.
4. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010, AND OPS 310.
5. CONCRETE CURBS SHALL BE CONSTRUCTED AS PER OPSD 600.110 AND 603.020.
6. 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**

1. 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.

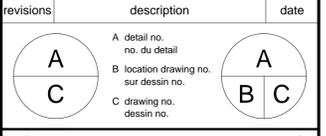
**GRADING**

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3. EXCESS EXCAVATED MATERIAL SHALL BE RELOCATED AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
4. ALL EXCAVATED AREAS TO BE REINSTATED TO EXISTING ELEVATIONS UNLESS OTHERWISE SPECIFIED.



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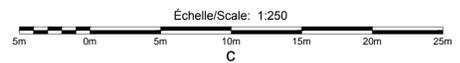
revisions	description	date
3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19



project / projet  
**555 BOOTH STREET SOIL REMEDIATION**

drawing / dessin  
**PARKING LOT GRADING AND REINSTATEMENT PLAN**

Designed By / Conçu par	STEPHANIE DEMERS, P.ENG	
Date	2016/12/19	(yyyy/mm/dd)
Drawn By / Dessiné par	WARREN JOHNSON, C.E.T.	
Date	2016/12/19	(yyyy/mm/dd)
Reviewed By / Examiné par	KRIS KILBORN	
Date	2016/12/19	(yyyy/mm/dd)
Approved By / Approuvé par	JILL PETERS DECHMAN, P.ENG	
Date	2016/12/19	(yyyy/mm/dd)
Tender / Soumission	AHMAD KHODR	
Project Manager / Administrateur de projets		
Project no. / No. du projet		
	<b>R.082784.002</b>	
Drawing no. / No. du dessin		<b>C3</b>





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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	
B	B location drawing no. sur dessin no.	
C	C drawing no. dessin no.	

project 555 BOOTH STREET SOIL REMEDIATION

drawing 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

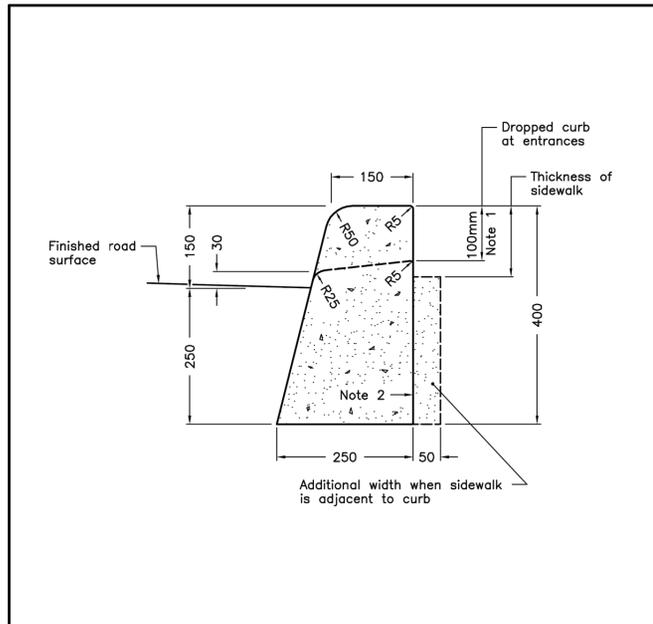
Project Manager Administrateur de projets

Project no. No. du projet

R.082784.002

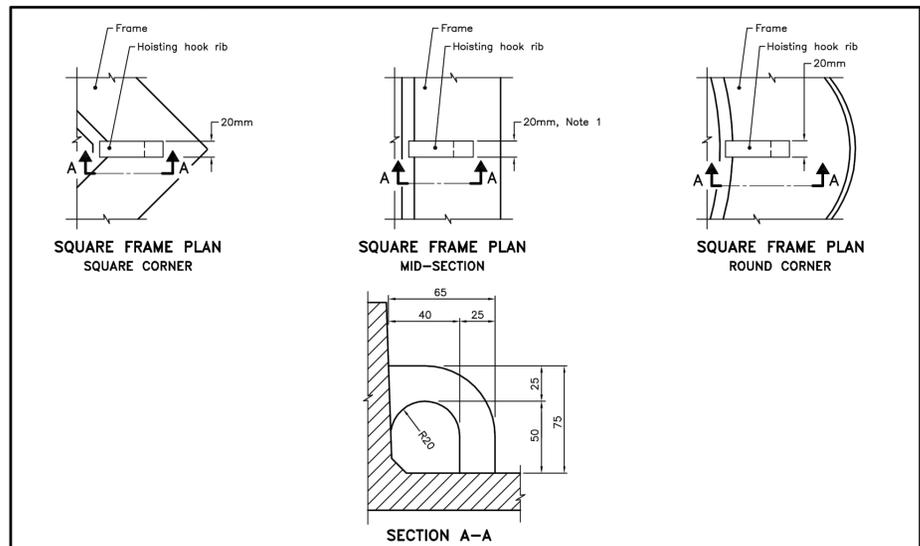
Drawing no. No. du dessin

C4



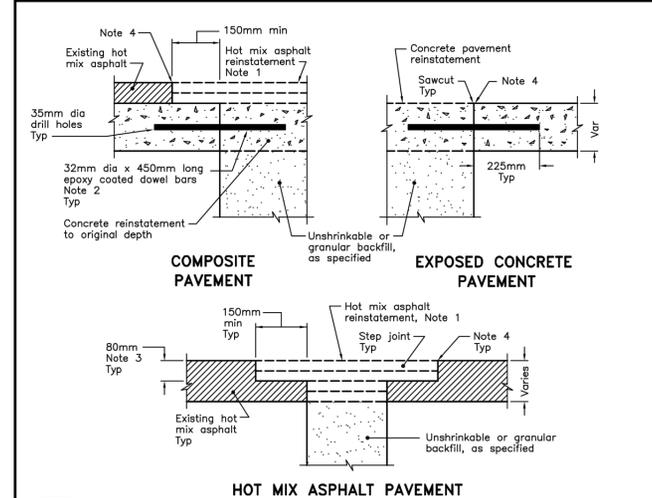
**NOTES:**  
 1 When sidewalk is continuously adjacent, the dropped curb at entrances shall be reduced to 75mm.  
 2 For slipforming procedure a 5% batter is acceptable.  
 A Treatment at entrances shall be according to OPSD 351.010.  
 B Outlet treatment shall be according to the OPSD 610 Series.  
 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
<b>CONCRETE BARRIER CURB</b>		
		<b>OPSD 600.110</b>



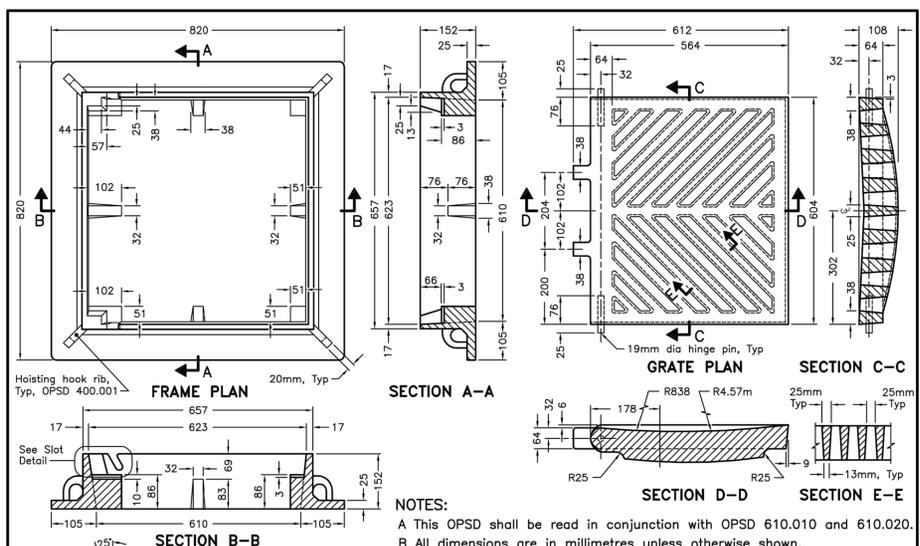
**NOTES:**  
 1 For OPSD 402.030, the hoisting hook rib thickness shall be 29mm.  
 A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2013	Rev 1
<b>HOISTING HOOK RIB FOR CAST IRON FRAMES FOR CATCH BASINS, MAINTENANCE HOLES, AND VALVE CHAMBERS</b>		
		<b>OPSD 400.001</b>



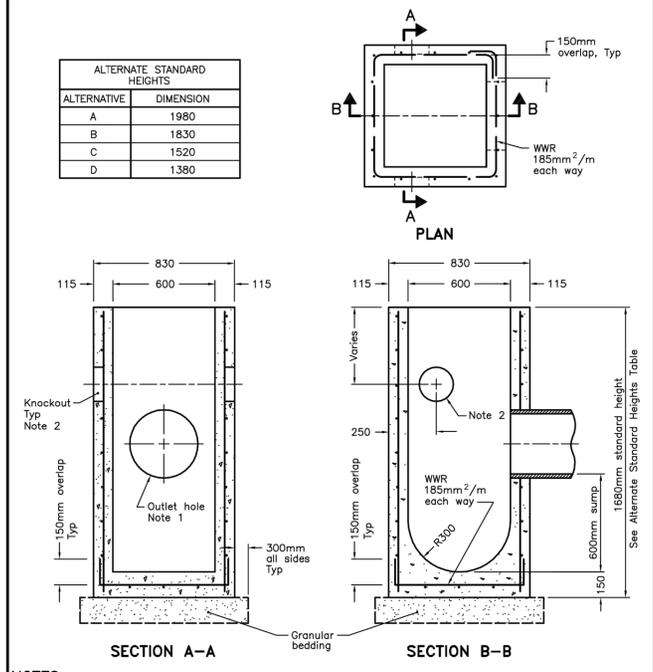
**NOTES:**  
 1 Hot mix asphalt type as specified. The surface course shall be placed in a minimum 40mm lift, other binder course lift thicknesses shall not exceed 80mm.  
 2 Dowels shall be installed at 300mm intervals along all transverse faces. The dowel bars shall be placed mid-depth of the specified 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.  
 3 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.  
 4 Joint treatment as specified.  
 A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2013	Rev 2
<b>PAVEMENT REINSTATEMENT FOR UTILITY CUTS</b>		
		<b>OPSD 509.010</b>



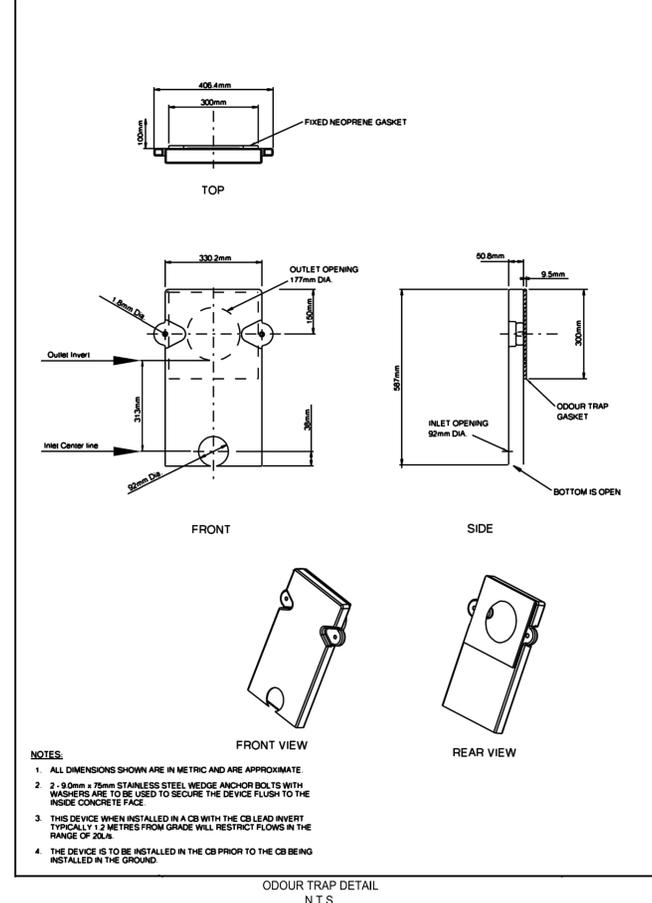
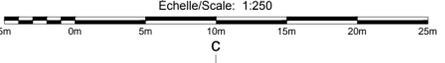
**NOTES:**  
 A This OPSD shall be read in conjunction with OPSD 610.010 and 610.020.  
 B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2013	Rev 2
<b>CAST IRON, SQUARE FRAME WITH SQUARE OVERFLOW TYPE DISH GRATE FOR CATCH BASINS, HERRING BONE OPENINGS</b>		
		<b>OPSD 400.010</b>

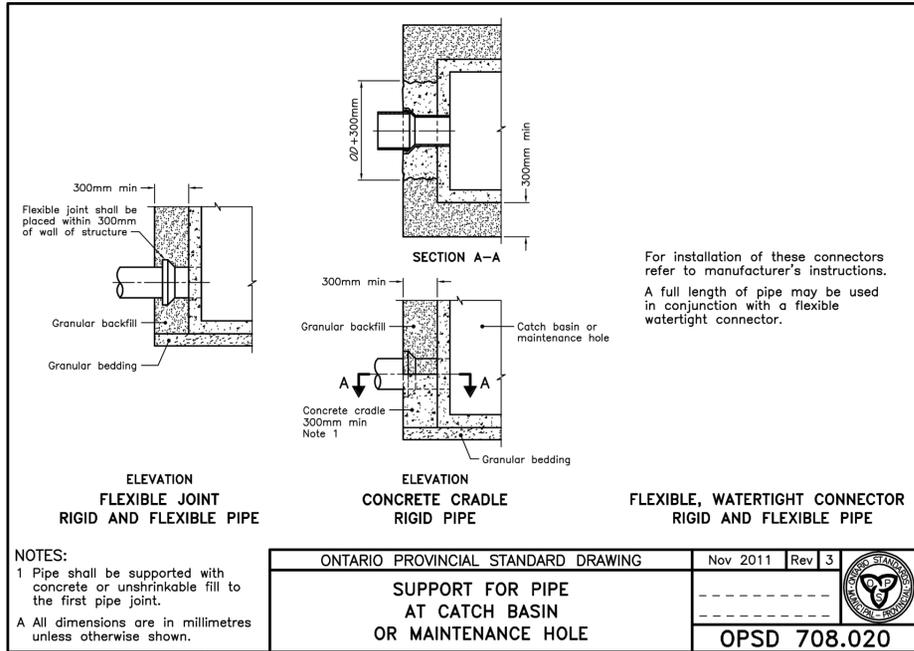


**NOTES:**  
 1 Outlet hole size 525mm diameter maximum, location as required.  
 2 200mm diameter knockout to accommodate subdrain. Knockout shall be 60mm deep.  
 A Centre reinforcing in base slab and walls ±20mm.  
 B Granular backfill shall be placed to a minimum thickness of 300mm all around the catch basin.  
 C Frame, grata, 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.

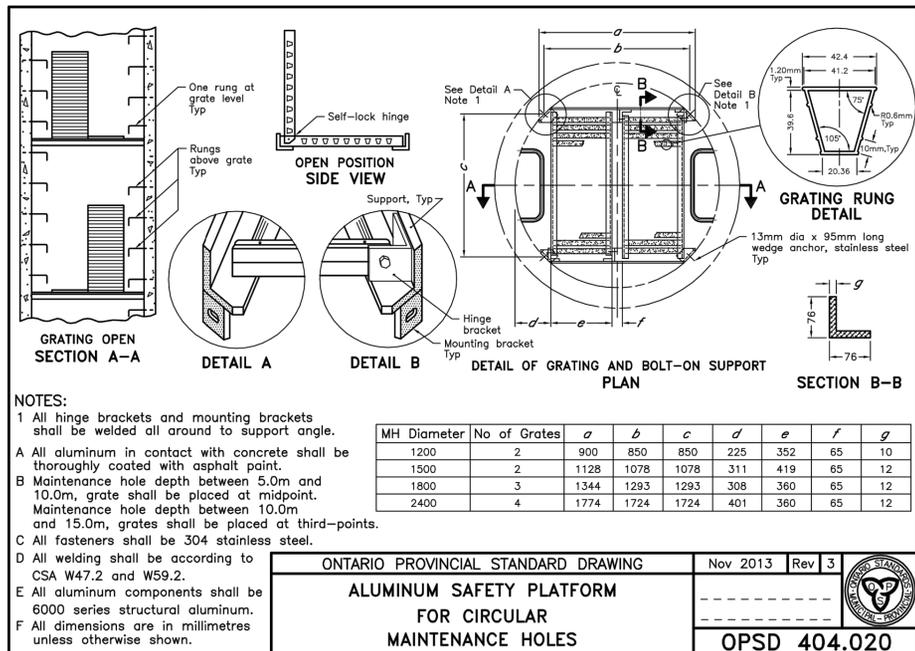
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 3
<b>PRECAST CONCRETE CATCH BASIN</b>		
600x600mm		<b>OPSD 705.010</b>



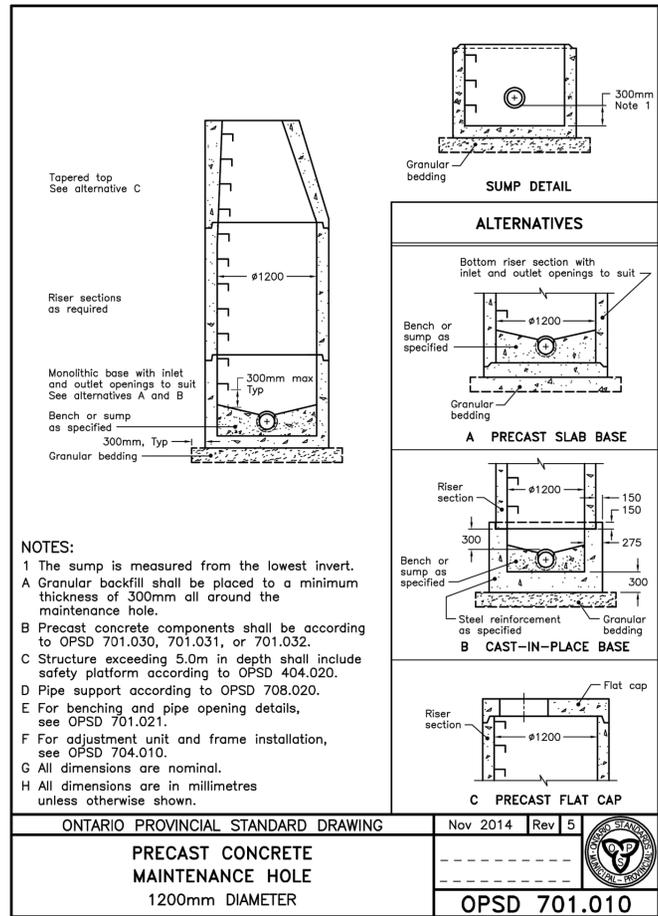
**NOTES:**  
 1 ALL DIMENSIONS SHOWN ARE IN METRIC AND ARE APPROXIMATE.  
 2 2 - 6.0mm x 70mm STAINLESS STEEL WEDGE ANCHOR BOLTS WITH WASHERS ARE TO BE USED TO SECURE THE DEVICE FLUSH TO THE INSIDE CONCRETE FACE.  
 3 THIS DEVICE WHEN INSTALLED IN A CB WITH THE CB LEAD INVERT TYPICALLY 1.2 METRES FROM GRADE WILL RESTRICT FLOWS IN THE RANGE OF 20L/s.  
 4 THE DEVICE IS TO BE INSTALLED IN THE CB PRIOR TO THE CB BEING INSTALLED IN THE GROUND.



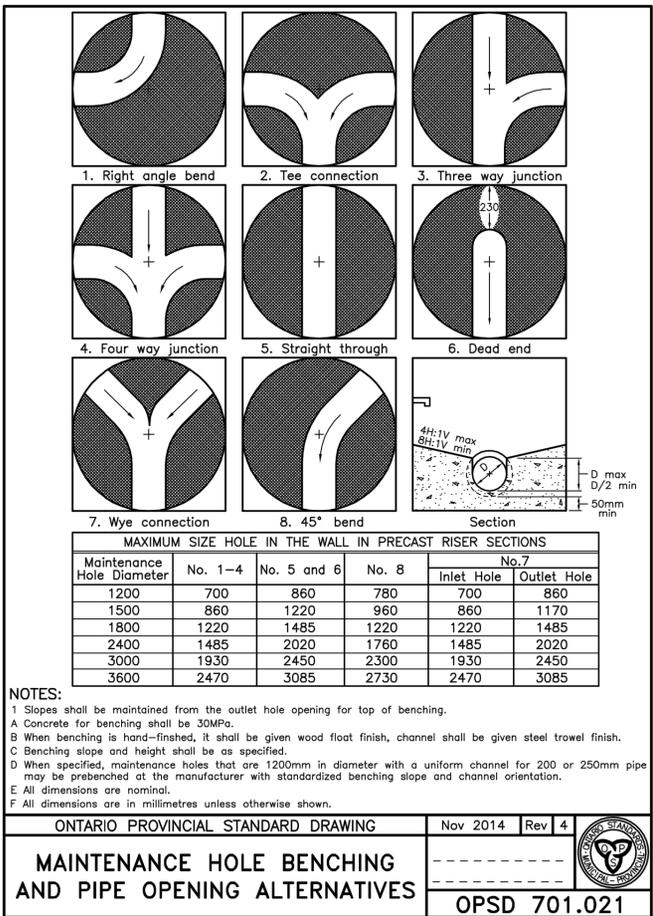
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2011	Rev 3	
<b>SUPPORT FOR PIPE AT CATCH BASIN OR MAINTENANCE HOLE</b>			
<b>OPSD 708.020</b>			



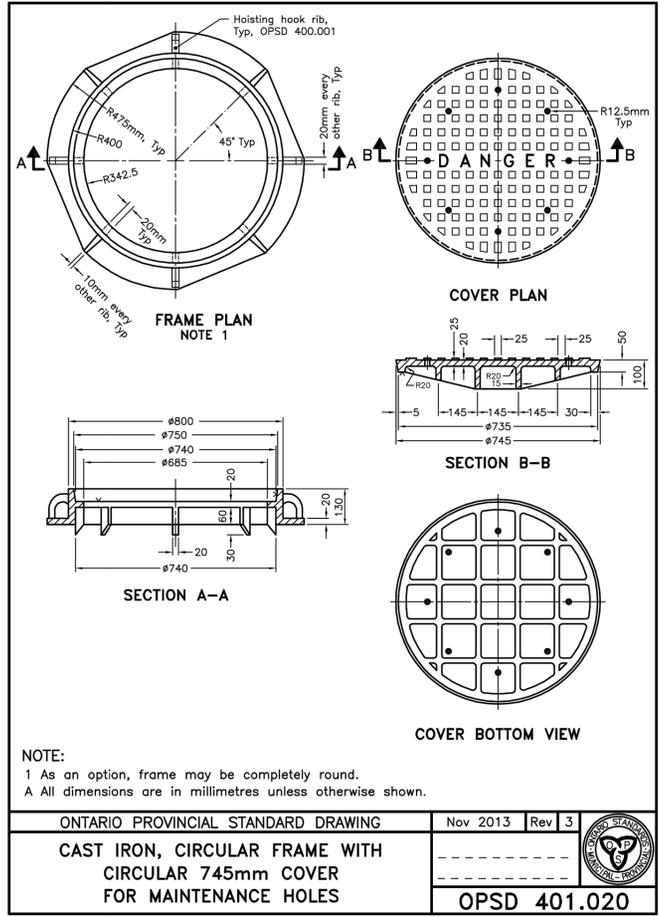
ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2013	Rev 3	
<b>ALUMINUM SAFETY PLATFORM FOR CIRCULAR MAINTENANCE HOLES</b>			
<b>OPSD 404.020</b>			



ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 5	
<b>PRECAST CONCRETE MAINTENANCE HOLE 1200mm DIAMETER</b>			
<b>OPSD 701.010</b>			



ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 4	
<b>MAINTENANCE HOLE BENCHING AND PIPE OPENING ALTERNATIVES</b>			
<b>OPSD 701.021</b>			



ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2013	Rev 3	
<b>CAST IRON, CIRCULAR FRAME WITH CIRCULAR 745mm COVER FOR MAINTENANCE HOLES</b>			
<b>OPSD 401.020</b>			

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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

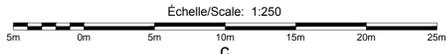
revisions	description	date
A	A detail no. no. du detail	A
B	B location drawing no. sur dessin no.	B C
C	C drawing no. dessin no.	

project **555 BOOTH STREET SOIL REMEDIATION** project

drawing **DETAILS II** dessin

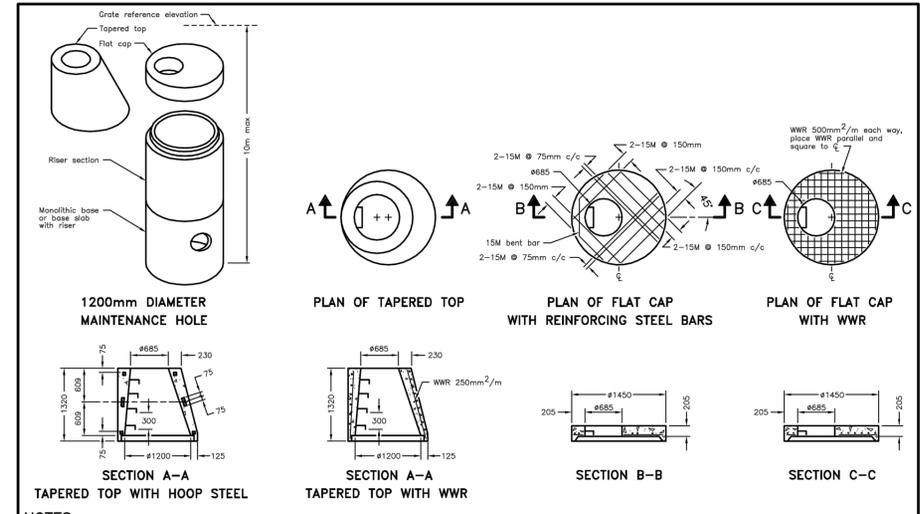
Designed By **STEPHANIE DEMERS, P.ENG** Conçu par  
 Date 2016/12/19 (yyyy/mm/dd)  
 Drawn By **WARREN JOHNSON, C.E.T.** Dessiné par  
 Date 2016/12/19 (yyyy/mm/dd)  
 Reviewed By **KRIS KILBORN** Examiné par  
 Date 2016/12/19 (yyyy/mm/dd)  
 Approved By **JILL PETERS DECHMAN, P.ENG** Approuvé par 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



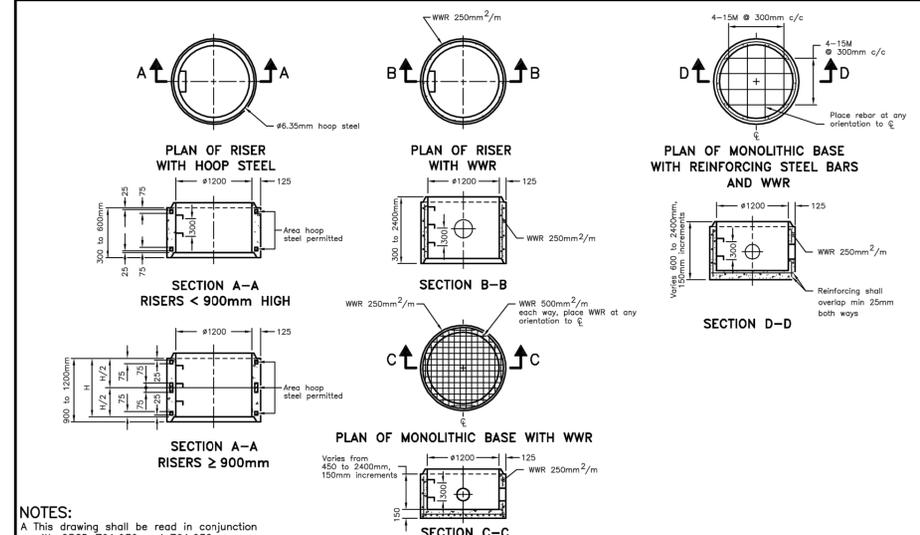
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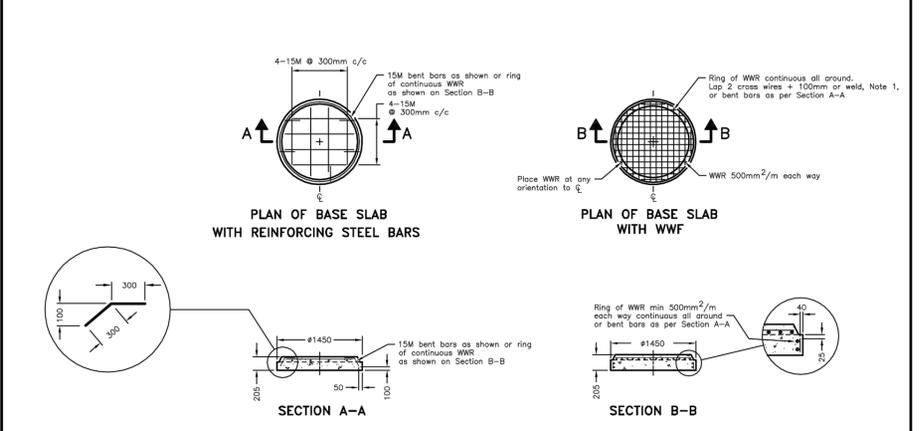
NOTES:  
A This drawing shall be read in conjunction with OPSD 701.031 and 701.032.  
B Centre reinforcing steel in riser ±20mm. All other reinforcing steel shall have 25mm minimum cover.  
C Steps shall be according to OPSD 405.010 or 405.020.  
D All dimensions are nominal.  
E All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 4	
PRECAST CONCRETE MAINTENANCE HOLE COMPONENTS 1200mm DIAMETER TAPERED TOP AND FLAT CAP	OPSD 701.030		



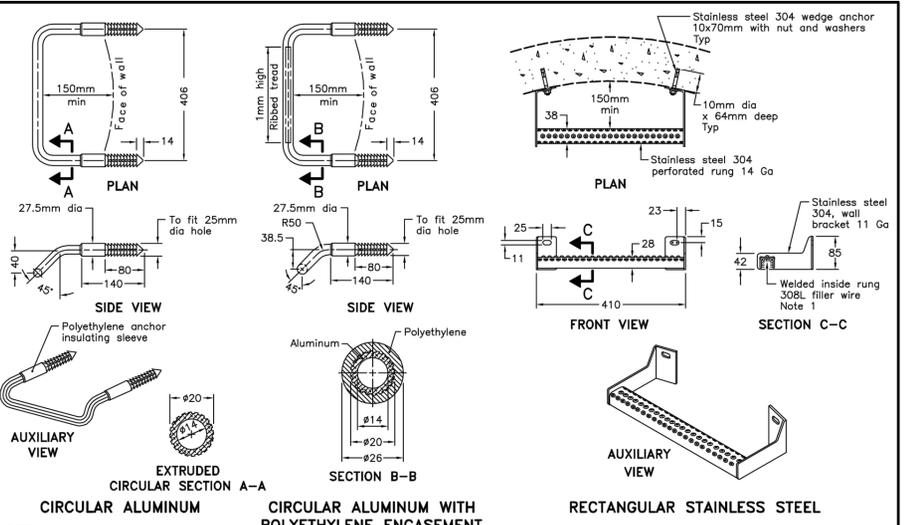
NOTES:  
A This drawing shall be read in conjunction with OPSD 701.030 and 701.032.  
B Centre reinforcing steel in riser ±20mm. All other reinforcing steel shall have 25mm minimum cover.  
C Steps shall be according to OPSD 405.010 or 405.020.  
D All dimensions are nominal.  
E All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 2	
PRECAST CONCRETE MAINTENANCE HOLE COMPONENTS 1200mm DIAMETER RISER AND MONOLITHIC BASE	OPSD 701.031		



NOTES:  
1 Welded splice shall develop minimum 50% yield strength of bar or wire, as applicable.  
A This drawing shall be read in conjunction with OPSD 701.030 and 701.031.  
B Centre reinforcing steel in riser ±20mm. All other reinforcing steel shall have 25mm minimum cover.  
C All dimensions are nominal.  
D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2014	Rev 2	
PRECAST CONCRETE MAINTENANCE HOLE COMPONENTS 1200mm DIAMETER BASE SLAB	OPSD 701.032		



NOTE:  
1 The company undertaking welded fabrication shall be certified according to CSA W47.1. All welding shall be according to CSA W59.  
A All aluminum components shall be 6000 series structural aluminum.  
B All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2013	Rev 3	
MAINTENANCE HOLE STEPS HOLLOW	OPSD 405.010		

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

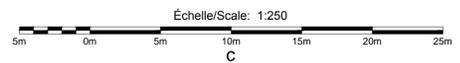
3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19

revisions	description	date
A	A detail no.	
B	B location drawing no.	
C	C drawing no.	

project  
**555 BOOTH STREET SOIL REMEDIATION**  
project

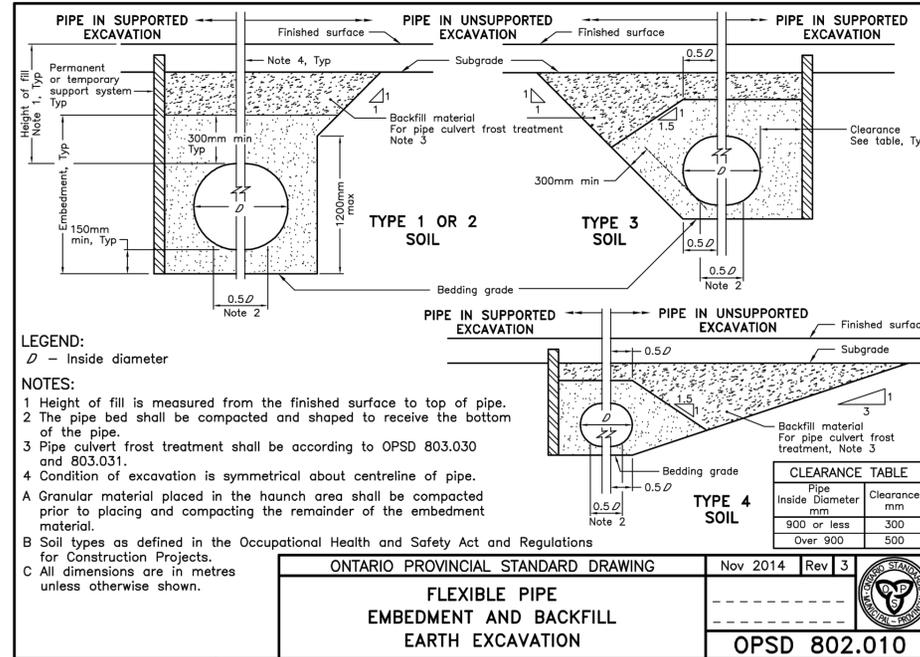
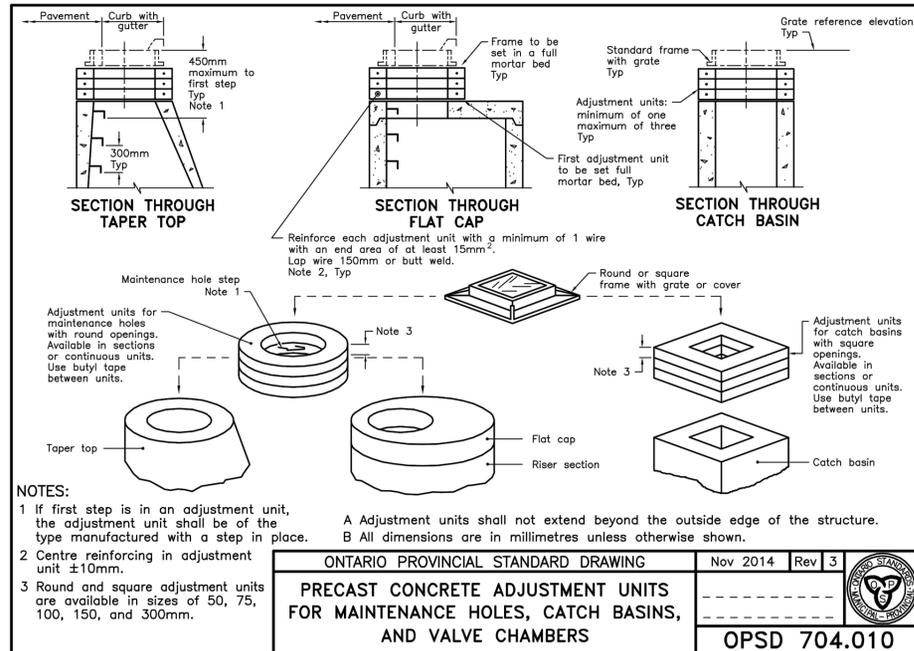
drawing  
**DETAILS III**  
dessin

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		
<b>R.082784.002</b>			
Drawing no.	No. du dessin		



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

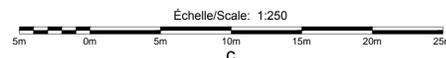
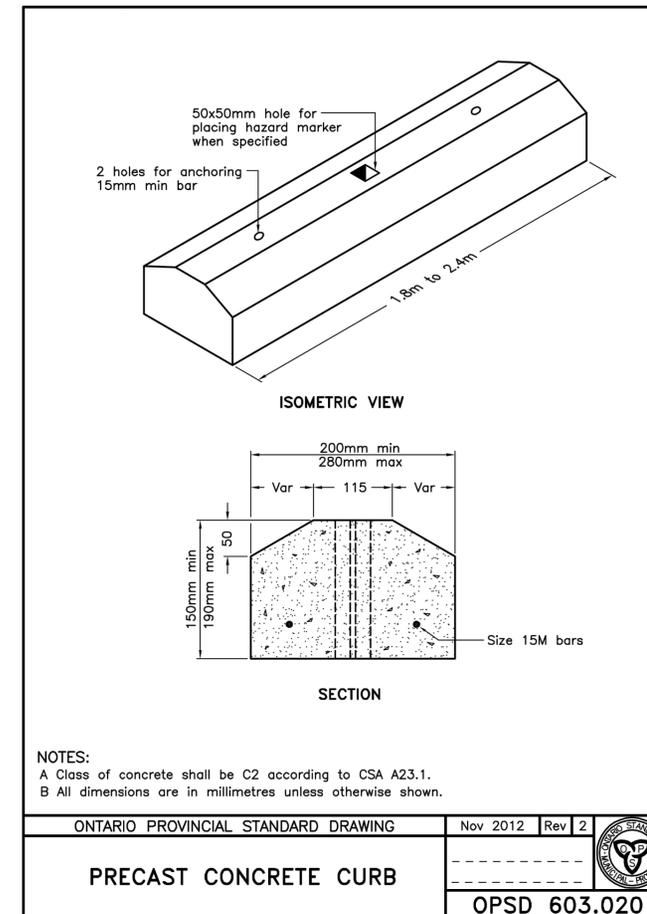
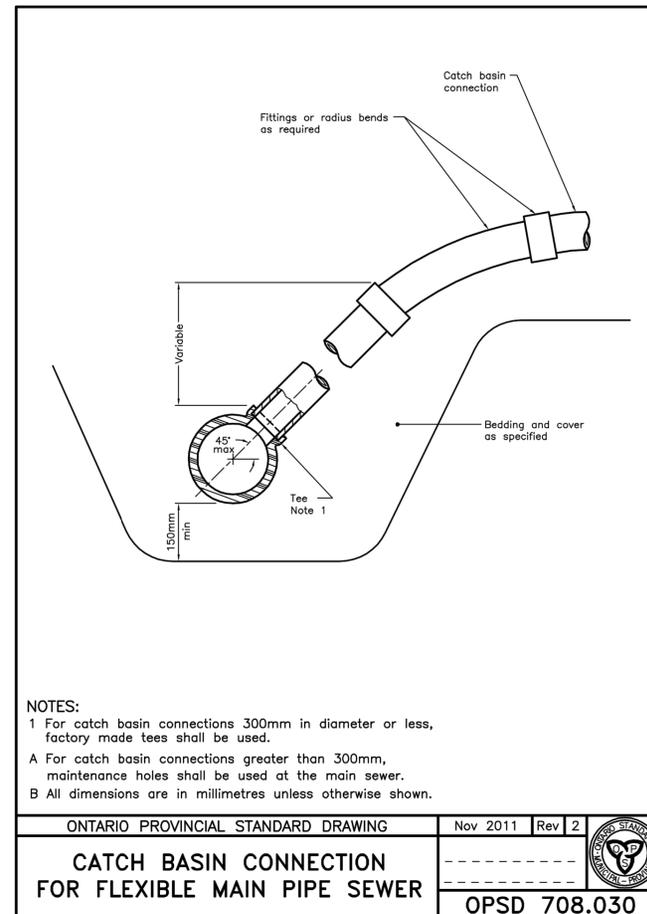
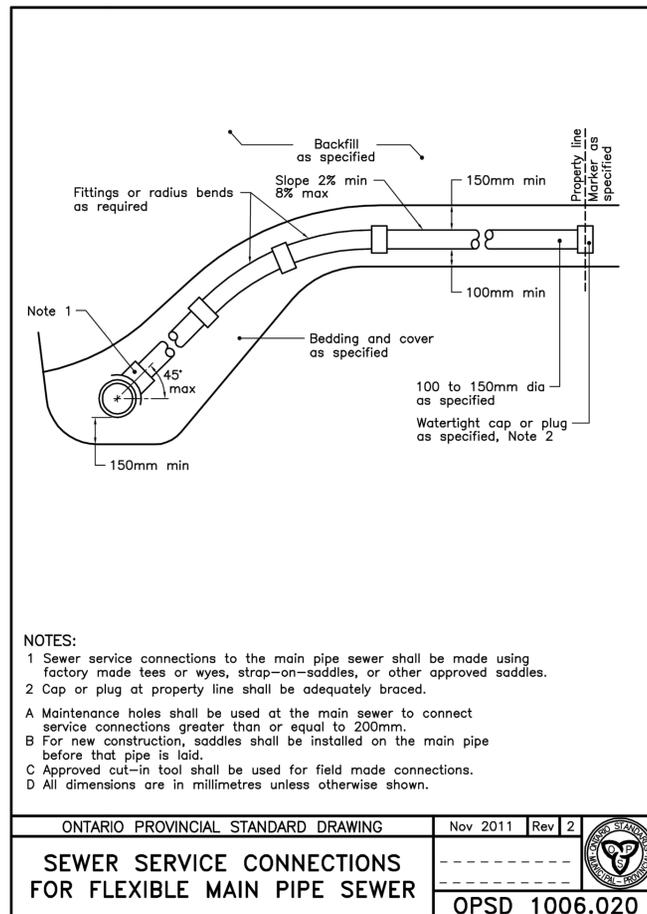
revisions	description	date
3	ISSUED FOR TENDER	2017/03/23
2	99% REVIEW	2017/02/27
1	75% REVIEW	2016/12/19

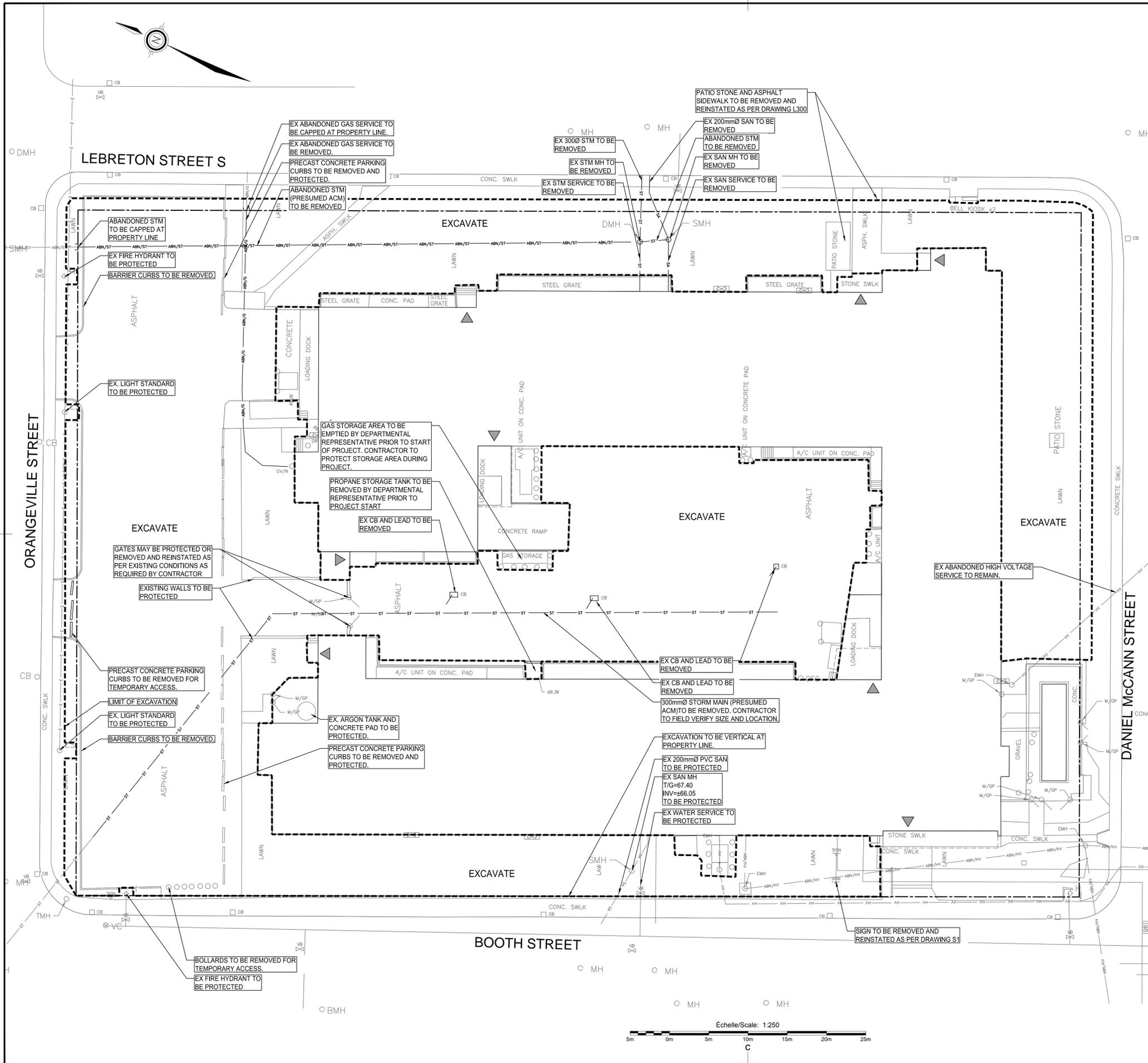
A	A detail no. du détail	A
C	B location drawing no. sur dessin no.	B C
	C drawing no. dessin no.	

project  
**555 BOOTH STREET SOIL REMEDIATION**  
project

drawing  
**DETAILS IV**  
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		
	<b>R.082784.002</b>		
Drawing no.	No. du dessin		



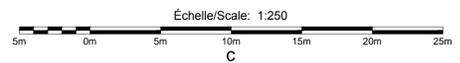
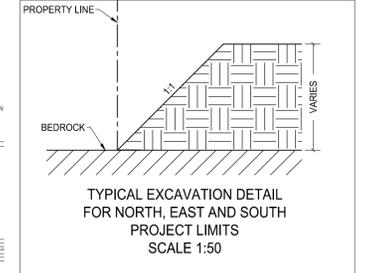
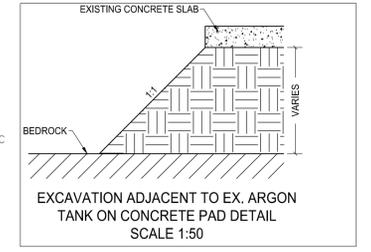


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**GENERAL NOTES AND SPECIFICATIONS**

- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN WHICH WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR RECEIVING STORM SEWERS OR DRAINAGE DURING CONSTRUCTION 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. DEWATERING SHALL BE PUMPED INTO SEDIMENT TRAPS.
- 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.
- 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 EXCAVATION WALLS IN TYPE 3 SOIL SHOULD BE SLOPED FROM THE BOTTOM WITH A MINIMUM GRADIENT OF ONE HORIZONTAL TO ONE VERTICAL. EXCAVATION WALLS MUST BE STABLE AS TO NOT AFFECT THE INTEGRITY AND STABILITY OF THE HOARDING OR THE SIDEWALKS, UTILITIES, OR OTHER FEATURES BEYOND THE HOARDING AND/OR LIMITS OF EXCAVATION.
- REMOVE AND DISPOSE OF TREES AND SHRUBS AS INDICATED ON DRAWING L100.
- EXCAVATE TO BEDROCK ALL SOILS WITHIN THE EXCAVATION LIMITS SHOWN.



Public Works and Government Services Canada / Travaux publics et services gouvernementaux Canada

Real Property Branch / Direction générale des biens immobiliers

	<ul style="list-style-type: none"> <li>— B — U/BELL TELEPHONE SERVICE</li> <li>— E — U/LOW VOLTAGE ELECTRICAL</li> <li>— ABN/E — U/ELECTRICAL SERVICE ABN</li> <li>— HV — U/G HIGH VOLTAGE ELECTRICAL</li> <li>— A-HV — U/G HIGH VOLTAGE ELECTRICAL</li> <li>— WM — WATERMAIN CONDUIT</li> <li>— ABN/WM — WATERMAIN ABANDONED</li> <li>— ST — STORM SEWER</li> <li>— ABN/ST — STORM ABANDONED</li> <li>— SA — SANITARY SEWER</li> <li>— ABN/SA — SANITARY ABANDONED</li> <li>— G — GAS LINE</li> <li>— ABN/G — GAS LINE ABANDONED</li> </ul>	
	<ul style="list-style-type: none"> <li>○ MH GENERAL MANHOLE</li> <li>○ DMH SANITARY MANHOLE</li> <li>○ SMH STORM MANHOLE</li> <li>○ EMH ELECTRICAL MANHOLE</li> <li>○ MC METER CHAMBER</li> <li>○ H FIRE HYDRANT</li> <li>○ VC VALVE CHAMBER</li> <li>○ VS VALVE BOX</li> <li>○ EXISTING BUILDING ENTRANCE</li> </ul>	<ul style="list-style-type: none"> <li>□ BP BELL PEDESTAL</li> <li>□ CP CABLE PEDESTAL</li> <li>○ RB ROAD BOLLARD</li> <li>○ MG/MGP METAL GATE POST</li> <li>□ STP STANDPIPE</li> <li>□ SCB SQUARE CATCH BASIN</li> <li>○ LS LIGHT STANDARD</li> </ul>

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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

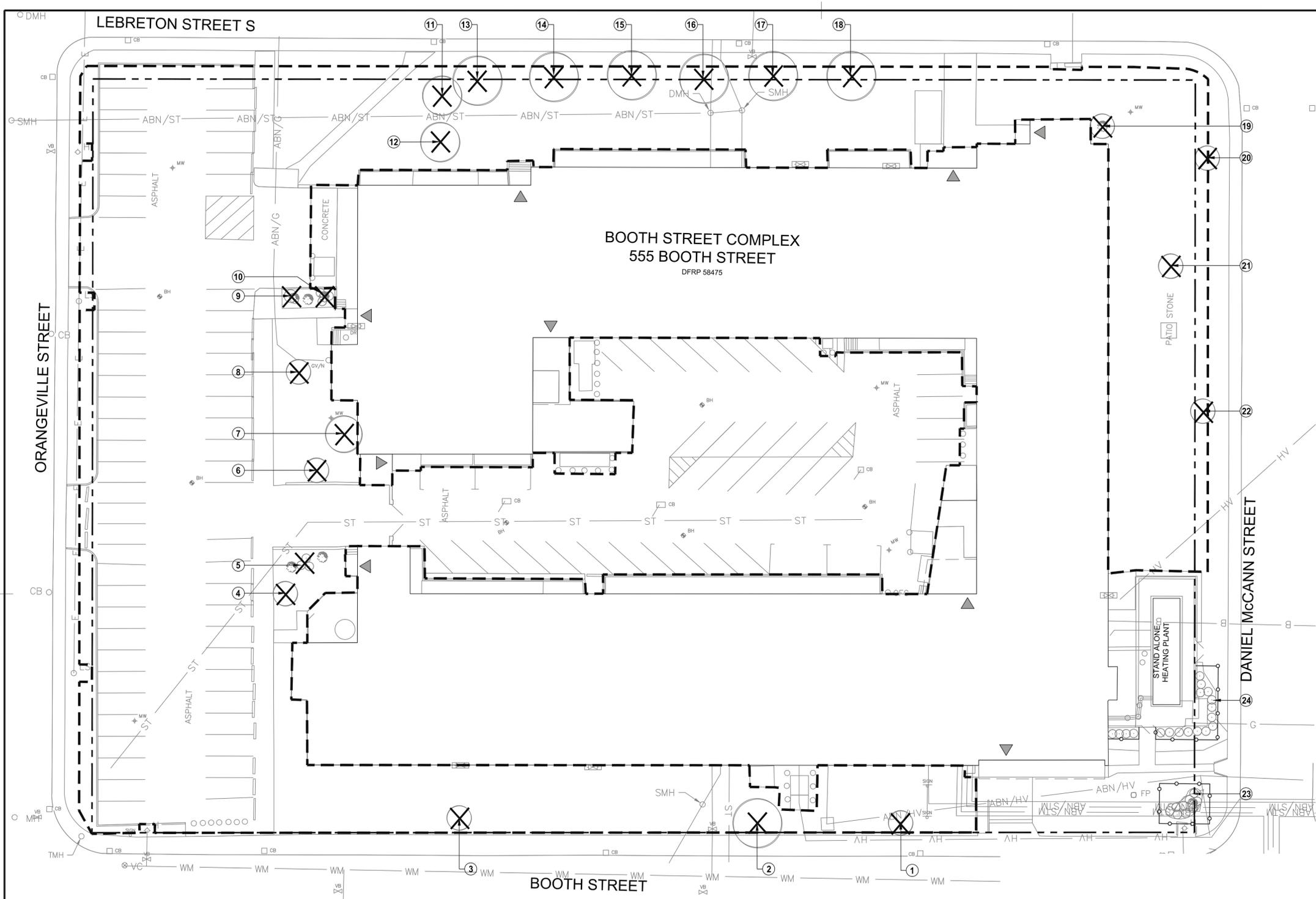
A  
C

A  
B  
C

project **555 BOOTH STREET SOIL REMEDIATION** projet

drawing **EXCAVATION AND SELECTED SITE DEMOLITION 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		
	<b>R.082784.002</b>		
Drawing no.	No. du dessin		



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**Canada**

Public Works and Government Services Canada / Travaux publics et services gouvernementaux Canada

Real Property Branch / Direction générale des biens immobiliers

**LEGEND**

- EXISTING TREE STUMP
- EXISTING SHRUBS
- EXISTING VEGETATION ID
- EXISTING TREE TO BE REMOVED
- NEW TEMPORARY TREE PROTECTION FENCE
- LIMIT OF WORK
- PROPERTY LINE



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

revisions	description	date
3	ISSUED FOR TENDER	2017/04/28
2	ISSUED FOR 99% REVIEW	2017/02/24
1	ISSUED FOR REVIEW	2017/02/03
0	ISSUED FOR 75% REVIEW	2016/12/16

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

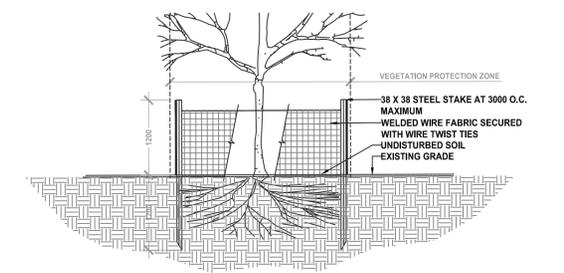
project / projet  
**555 BOOTH STREET SOIL REMEDIATION**

drawing / dessin  
**VEGETATION REMOVAL AND PRESERVATION PLAN**

Designed By / Conçu par: ISABELLE LALONDE, OALA  
Date: 2016/12/16  
Drawn By / Dessiné par: BRAD DEVRIES  
Date: 2016/12/16  
Reviewed By / Examiné par: ISABELLE LALONDE, OALA  
Date: 2016/12/16  
Approved By / Approuvé par: JILL PETERS DECHMAN, P.ENG  
Date: 2016/12/16  
Tender / Soumission: AHMAD KHODR  
Project Manager / Administrateur de projets: Ahmad Khodr  
Project no. / No. du projet: R.082784.002

Drawing no. / No. du dessin: **L100**

**1 VEGETATION REMOVAL AND PRESERVATION PLAN**  
1:250



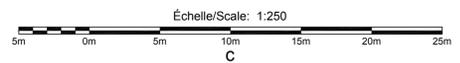
**2 TEMPORARY VEGETATION PROTECTION FENCE**  
N.T.S.

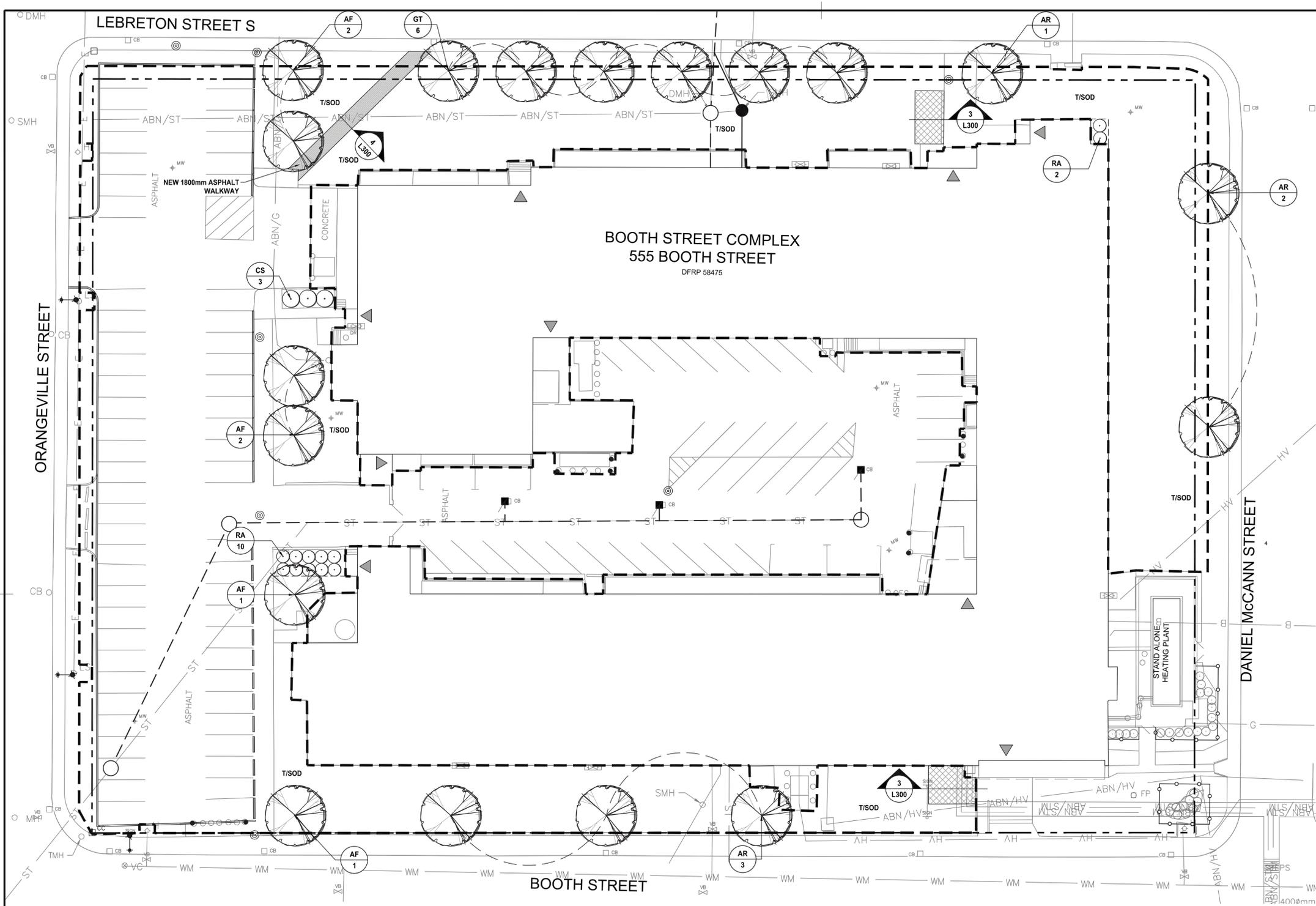
**EXISTING VEGETATION SCHEDULE**  
TREE ASSESSMENT ON October 25, 2016

NO.	BOTANICAL / COMMON NAME	SIZE (DBH)	HEALTH	OTHER REMARKS
1	Acer rubrum / Red Maple	10	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
2	Acer rubrum / Red Maple	40	Poor	Tree appears to have been struck by lightning; Tree cut by others. CONTRACTOR TO REMOVE STUMP.
3	Acer freemanii 'Jeffersred' / Autumn Blaze Maple	10	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
4	Acer freemanii 'Jeffersred' / Autumn Blaze Maple	8	Dead	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
5	Rhus aromatica 'Gro-Low' / Fragrant Sumac	N/A	Good	1500mm ht.; TO BE REMOVED.
6	Acer negundo / Manitoba Maple	20	Fair	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
7	Ulmus americana / American Elm	25	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
8	Acer platanoides / Norway Maple	8	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
9	Amelanchier canadensis / Serviceberry	N/A	Good	2000mm ht.; TO BE REMOVED.
10	Cornus sericea / Red Osier Dogwood	N/A	Good	1000mm ht.; TO BE REMOVED.
11	Acer platanoides / Norway Maple	25	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
12	Acer platanoides / Norway Maple	25	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.

**EXISTING VEGETATION SCHEDULE**  
TREE ASSESSMENT ON October 25, 2016

NO.	BOTANICAL / COMMON NAME	SIZE (DBH)	HEALTH	OTHER REMARKS
13	Gleditsia triacanthos / Honeylocust	20	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
14	Gleditsia triacanthos / Honeylocust	20	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
15	Gleditsia triacanthos / Honeylocust	20	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
16	Gleditsia triacanthos / Honeylocust	20	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
17	Gleditsia triacanthos / Honeylocust	20	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
18	Gleditsia triacanthos / Honeylocust	20	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
19	Sambucus / Elderberry	N/A	Good	4000mm ht.; TO BE REMOVED.
20	Acer freemanii 'Jeffersred' / Autumn Blaze Maple	8	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
21	Acer platanoides / Norway Maple	10	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
22	Acer freemanii 'Jeffersred' / Autumn Blaze Maple	12	Good	Tree cut by others. CONTRACTOR TO REMOVE STUMP.
23	Euonymus alatus 'Compactus' / Dwarf Burning Bush(1) Berberis / Barberry (1) Calamagrostis acutiflora 'Karl Forester' / Feather Reed Grass (6)	N/A	Good	TO BE PROTECTED.
24	Viburnum spp. / Viburnum	N/A	Good	TO BE PROTECTED.





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**LEGEND**

	EXISTING DECIDUOUS TREE TO REMAIN
	EXISTING SHRUBS TO REMAIN
	NEW DECIDUOUS TREE
	NEW SHRUBS
	NEW UNIT PAVERS
	NEW ASPHALT WALKWAY
	NEW PLANTING BED
	T/SOD TOPSOIL AND SOD
	LIMIT OF WORK
	PROPERTY LINE

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



revisions	description	date
3	ISSUED FOR TENDER	2017/04/03
2	ISSUED FOR 99% REVIEW	2017/02/24
1	ISSUED FOR REVIEW	2017/02/03
0	ISSUED FOR 75% REVIEW	2016/12/16

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

project / projet  
**555 BOOTH STREET SOIL REMEDIATION**

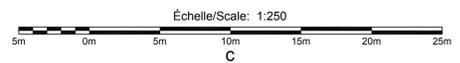
drawing / dessin  
**LANDSCAPE REINSTATEMENT PLAN**

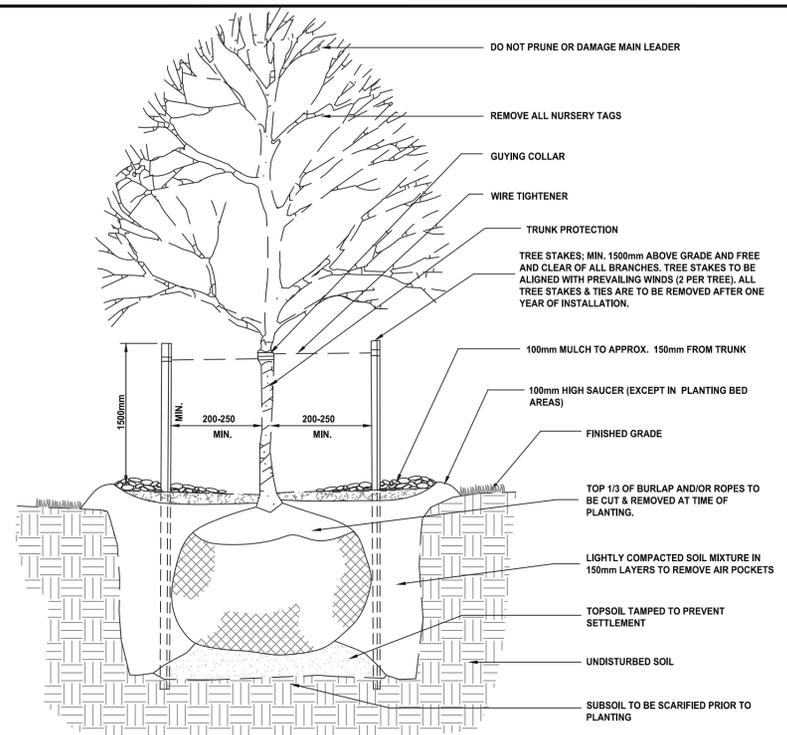
Designed By / Conçu par ISABELLE LALONDE, OALA  
Date / 2016/12/16 (yyyy/mm/dd)  
Drawn By / Dessiné par BRAD DEVRIES  
Date / 2016/12/16 (yyyy/mm/dd)  
Reviewed By / Examiné par ISABELLE LALONDE, OALA  
Date / 2016/12/16 (yyyy/mm/dd)  
Approved By / Approuvé par JILL PETERS DECHMAN, P.ENG  
Date / 2016/12/16 (yyyy/mm/dd)  
Tender / Soumission AHMAD KHODR  
Project Manager / Administrateur de projets  
Project no. / No. du projet  
**R.082784.002**  
Drawing no. / No. du dessin  
**L200**

**1** LANDSCAPE REINSTATEMENT PLAN  
1:250

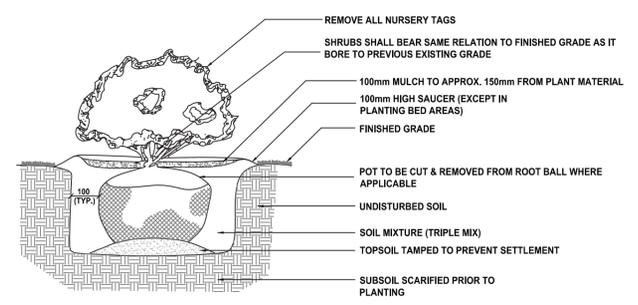
**PLANT LIST**

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
<b>DECIDUOUS TREES - REFER TO DETAIL 1/L300</b>					
6	AF	<i>Acer freemanii</i> 'Jeffersred'	Autumn Blaze Maple	70 mm CAL.	W.B.
6	AR	<i>Acer rubrum</i>	Red Maple	70 mm CAL.	W.B.
6	GT	<i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Shademaster'	Shademaster Honeylocust	70 mm CAL.	W.B.
<b>DECIDUOUS SHRUBS / PERENNIALS - REFER TO DETAIL 2/L300</b>					
3	CS	<i>Cornus sericea</i>	Red Osier Dogwood	800mm HT.	C.G. ; Plant at 2000mm o/c
12	RA	<i>Rhus aromatica</i> 'Gro-Low'	Gro-Low Fragrant Sumac	600mm HT.	C.G. ; Plant at 1500mm o/c

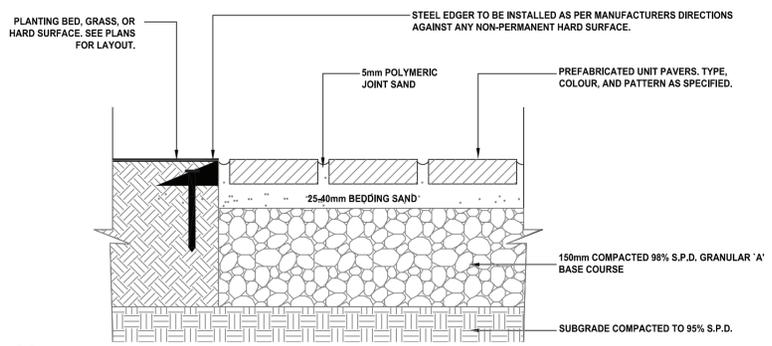




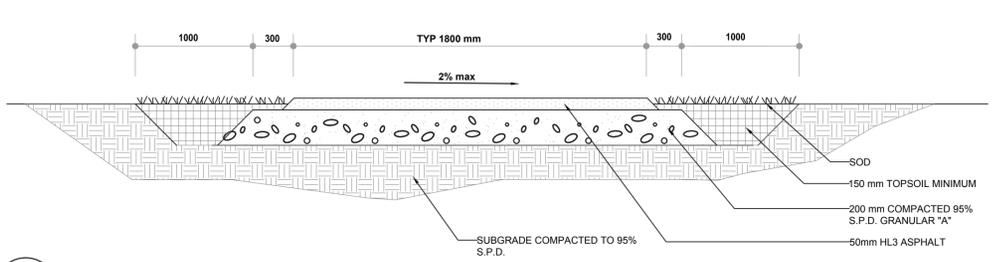
**1** DECIDUOUS TREE PLANTING DETAIL  
N.T.S.



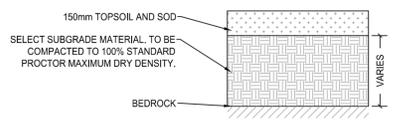
**2** SHRUB AND PERENNIAL PLANTING DETAIL  
N.T.S.



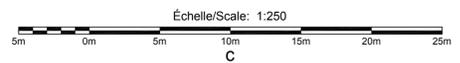
**3** UNIT PAVER DETAIL  
N.T.S.



**4** ASPHALT PEDESTRIAN PATH DETAIL  
1:30



**5** SELECTED FILL IN SODDED AREAS  
1:50



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Geomatics.Geomatique@pwgsc-tpsgc.gc.ca

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Geomatics.Geomatique@pwgsc-tpsgc.gc.ca



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revisions	description	date
3	ISSUED FOR TENDER	2017/03/24
2	ISSUED FOR 99% REVIEW	2017/02/24
1	ISSUED FOR REVIEW	2017/02/03
0	ISSUED FOR 75% REVIEW	2016/12/16

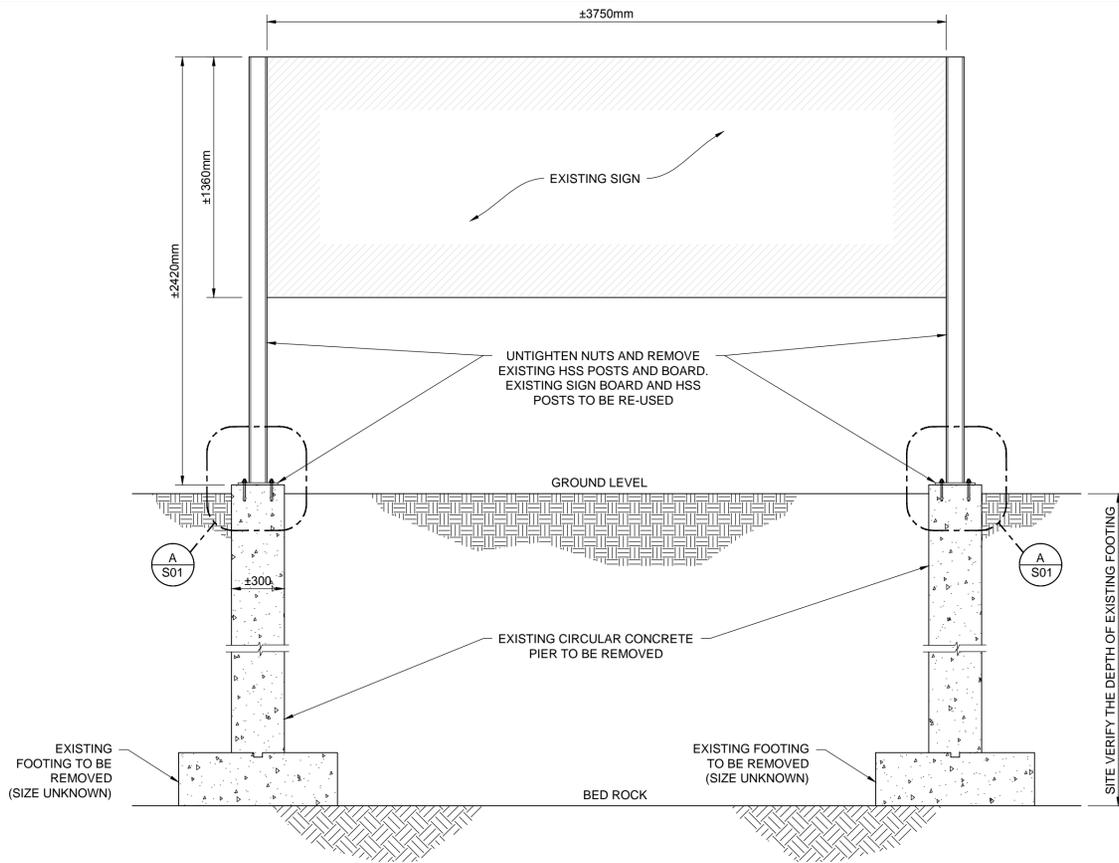
A	A detail no. du détail
B	B location drawing no. sur dessin no.
C	C drawing no. dessin no.

project 555 BOOTH STREET SOIL REMEDIATION

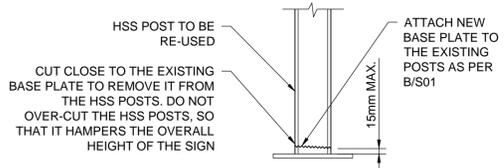
drawing LANDSCAPE DETAILS

Designed By	ISABELLE LALONDE, OALA	Conçu par	
Date	2016/12/16	(yyyy/mm/dd)	
Drawn By	BRAD DEVRIES	Dessiné par	
Date	2016/12/16	(yyyy/mm/dd)	
Reviewed By	ISABELLE LALONDE, OALA	Examiné par	
Date	2016/12/16	(yyyy/mm/dd)	
Approved By	JILL PETERS DECHMAN, P.ENG	Approuvé par	
Date	2016/12/16	(yyyy/mm/dd)	
Tender	AHMAD KHODR	Soumission	
Project Manager		Administrateur de projets	
Project no.		No. du projet	

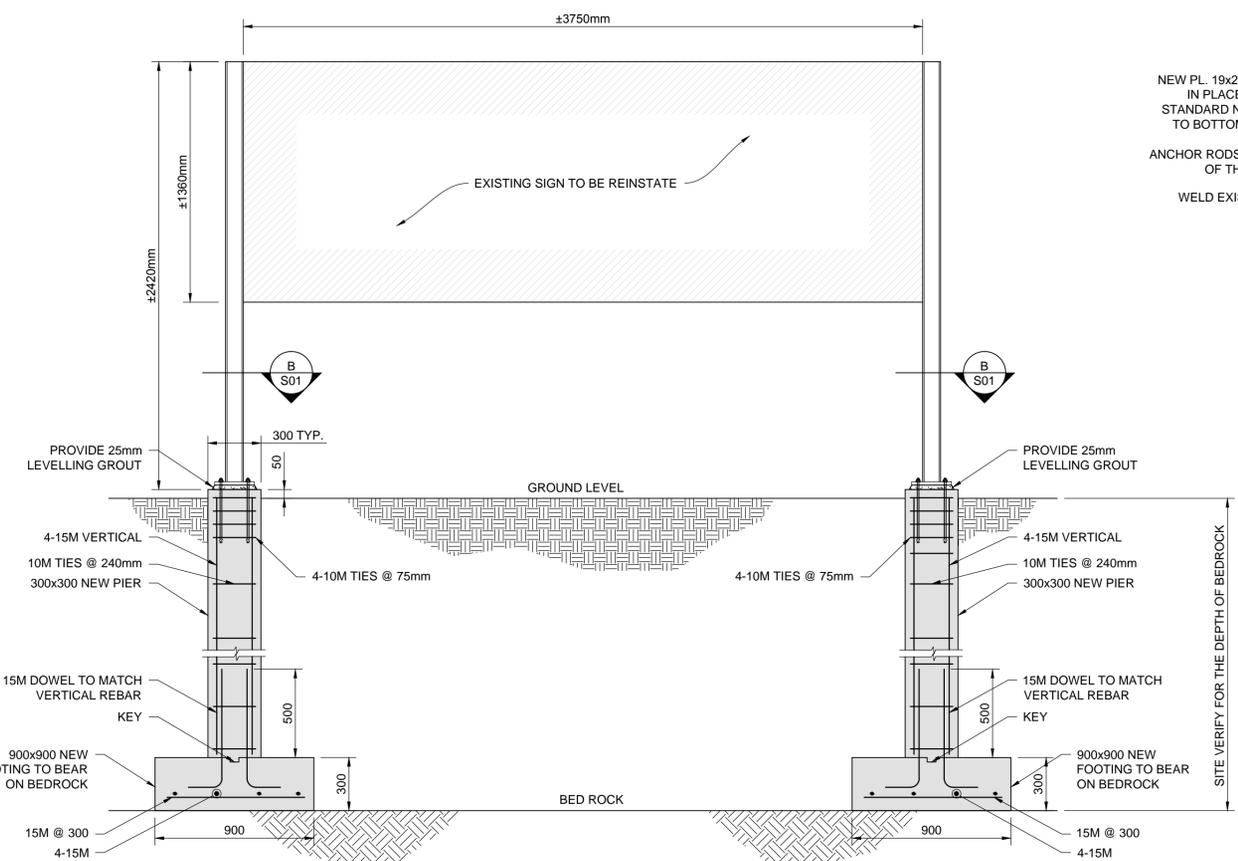
R.082784.002  
Drawing no. L300



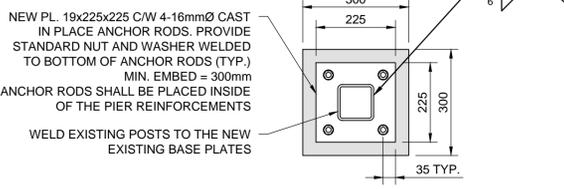
1 DEMOLITION SECTION OF EXISTING SIGN POST  
1:20



A EXISTING STEEL BASE PLATE REMOVAL DETAIL  
1:10



2 NEW SIGN POST ELEVATION  
1:20



B NEW STEEL BASE PLATE DETAIL  
1:10

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

NOTES

- GENERAL
  - THE GENERAL NOTES AND TYPICAL DETAILS ARE APPLICABLE TO ALL STRUCTURAL CONDITIONS NOT SPECIFICALLY DETAILED OR REFERENCED ON STRUCTURAL DRAWINGS. READ THESE DESIGN NOTES IN CONJUNCTION WITH THE CONTRACT SPECIFICATIONS AND ALL OTHER CONTRACT DOCUMENTS.
- CODES AND STANDARDS
  - DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE 2012 OR NBCC 2015 WHICHEVER IS MORE RESTRICTIVE.
- SHOP DRAWINGS AND SUBMITTALS
  - GENERAL - REFER TO SPECIFICATION 013300 FOR SUBMITTAL PROCEDURE.
  - REINFORCED CONCRETE - SUBMIT FOR REVIEW REINFORCEMENT PLACING DRAWINGS AND BAR LISTS FOR EVERY PORTION OF THE STRUCTURE ON PLAN.
- DIMENSIONS
  - 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.
- INSPECTION AND TESTING
  - 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.
- FOUNDATIONS
  - ALL FOUNDATIONS TO BEAR ON ROCK.
  - FOR BACKFILL MATERIAL REFER TO SPECIFICATION SECTION 31 23 33.01 - EXCAVATING, TRENCHING AND BACKFILLING..
- 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:

LOCATION	MIN. SPECIFIED 28 DAY CONC. STRENGTH	SLUMP	CLASS OF EXPOSURE	REMARKS
FOUNDATION PIER & FOOTING	35 MPa	80±30mm	C-1	-
FOOTING BASE AS REQUIRED (LEAN CONCRETE)	15 MPa	75mm	C-2	-

8. CONCRETE COVER (CLEAR TO REINFORCING)

U/S FOOTINGS (AGAINST SOIL)	75mm
PIERS (SIDES AND TOP)	50mm

9. REINFORCING STEEL

- 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. PROVIDE DEFORMED BARS WITH YIELD STRENGTH OF 400 MPa AS SPECIFIED IN CSA G30.18-M92.
- 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.
- STRUCTURAL STEEL
  - DESIGN, FABRICATION, ERECTION AND OTHER CONSTRUCTION PRACTICES TO CONFORM TO CSA-S-16 AND THE CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL.
  - WELDING TO CONFORM CSA W-59.
  - 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.
  - STRUCTURAL STEEL PLATE SHALL BE CSA G40.21 300W.
  - ANCHOR RODS SHALL BE ASTM F1554 GRADE-105 KSI.

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

A	A detail no.	A
C	B location drawing no.	B
	C drawing no.	C

project

555 BOOTH STREET SOIL REMEDIATION

drawing

SIGN POST DETAILS

Designed By	SHAH ARIFUZAMAN, P.ENG	Conçu par
Date	2016/12/13	(yyyy/mm/dd)
Drawn By	CLAUDIA BONNEAU	Dessiné par
Date	2016/12/13	(yyyy/mm/dd)
Reviewed By	RAMEZ SIDAROS, P.ENG	Examiné par
Date	2016/12/13	(yyyy/mm/dd)
Approved By	RAMEZ SIDAROS, P.ENG	Approuvé par
Date	2016/12/13	(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	

