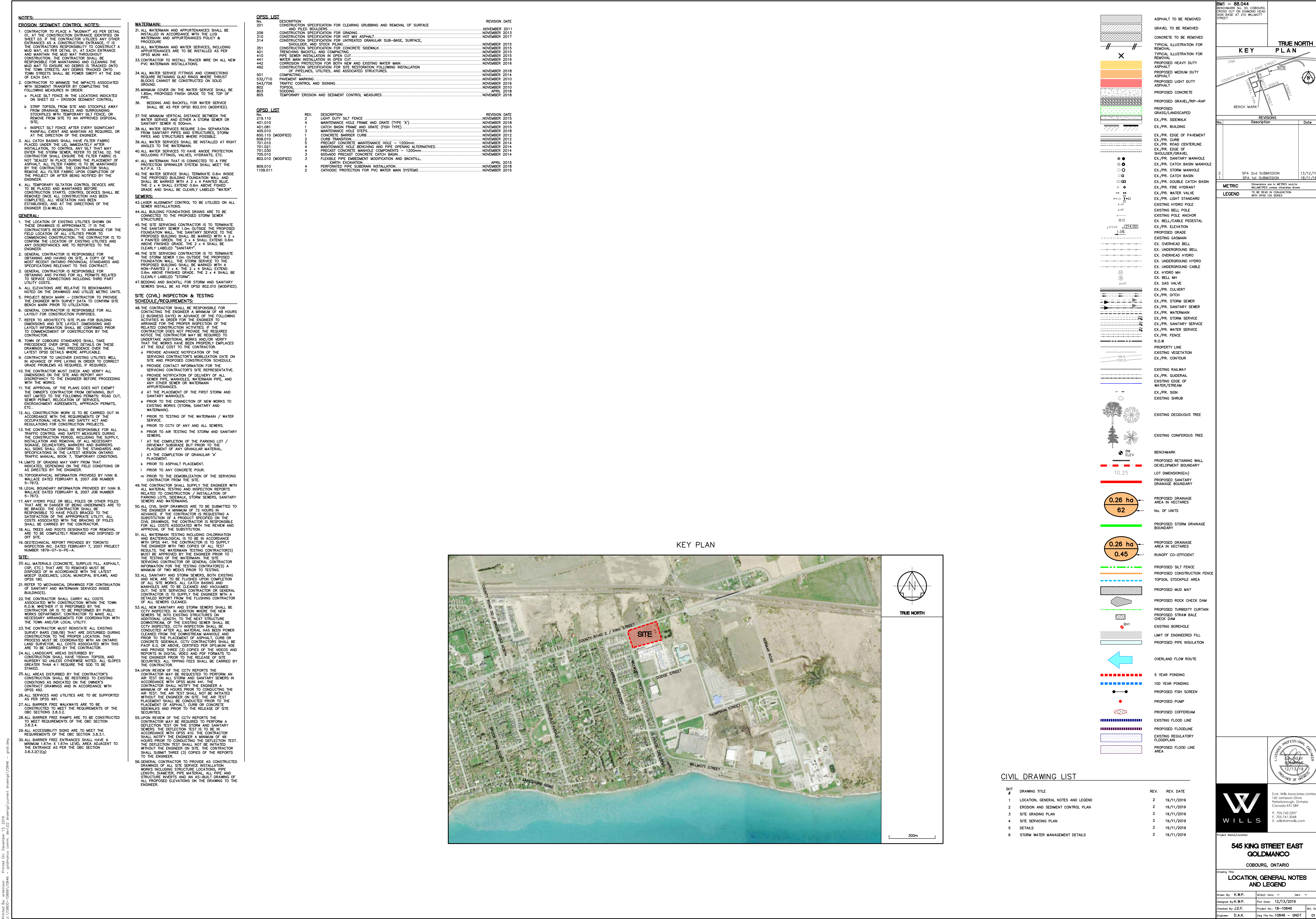
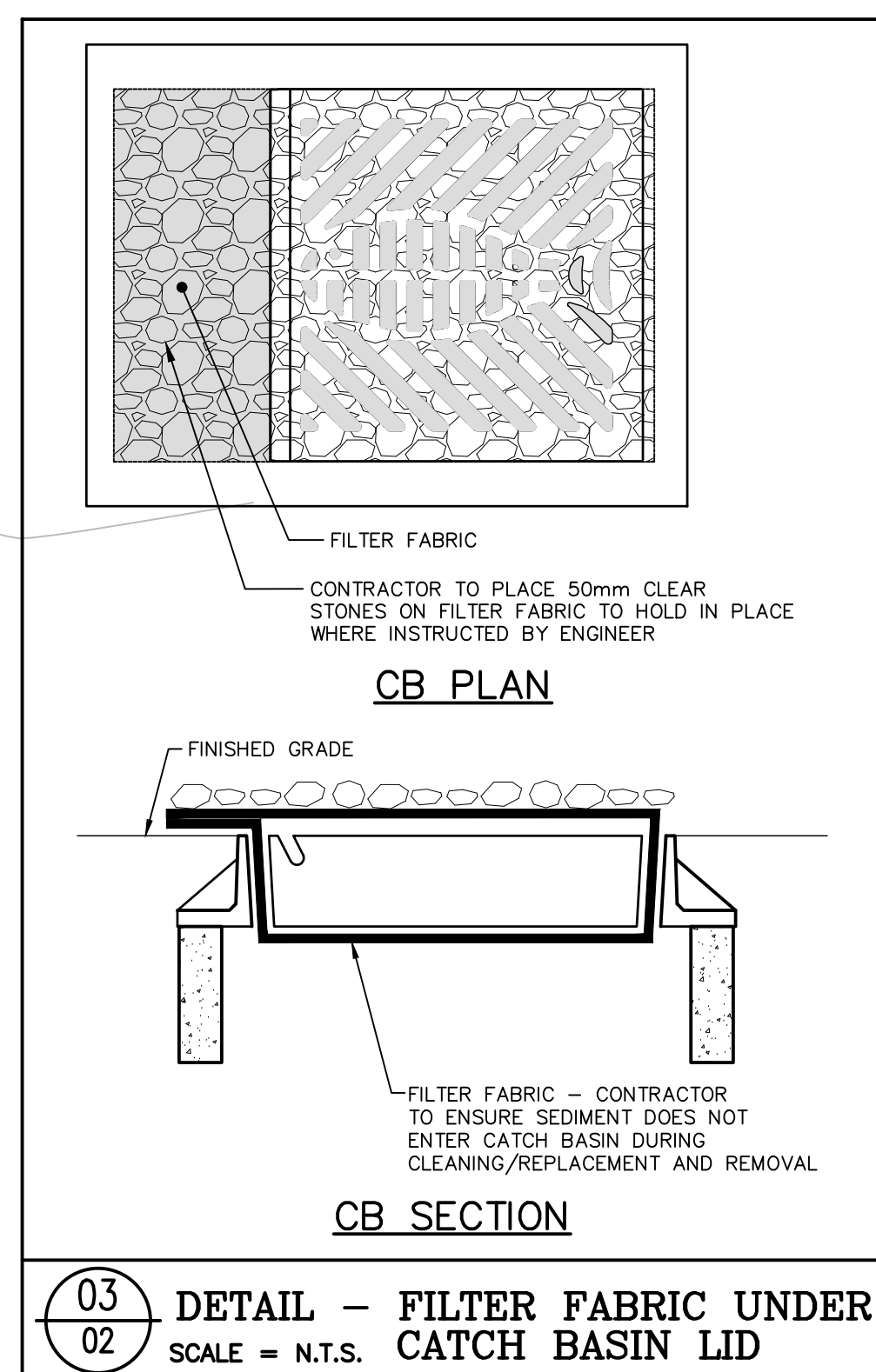




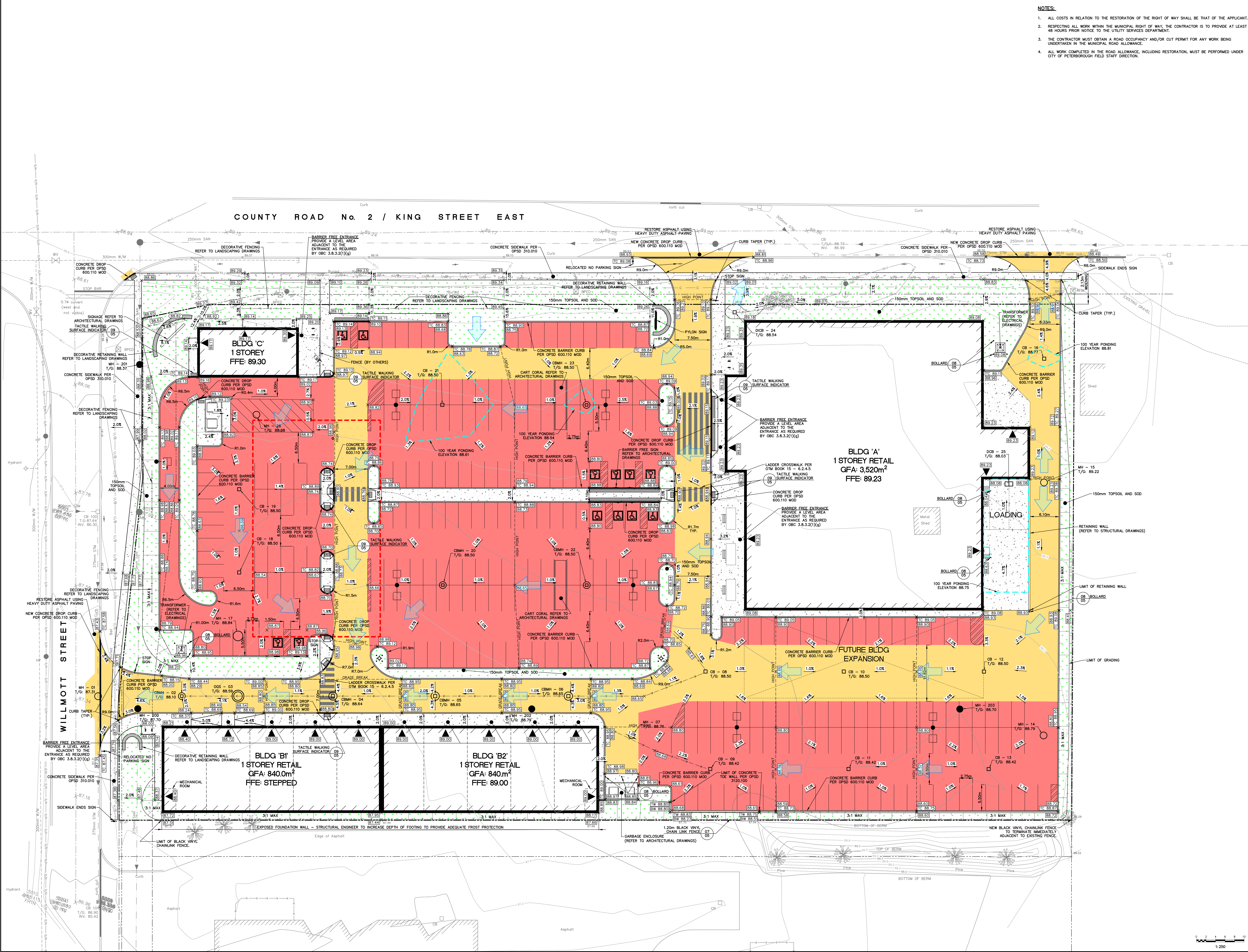


TO	METRIC	Dimensions are in METRES and/or MILLIMETRES unless otherwise shown
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1. ALL COSTS IN RELATION TO THE RESTORATION OF THE RIGHT OF WAY SHALL BE THAT OF THE APPLICANT.
2. RESPECTING ALL WORK WITHIN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR IS TO PROVIDE AT LEAST 48 HOURS PRIOR NOTICE TO THE PUBLIC WORKS DEPARTMENT.
3. ALL WORK COMPLETED IN THE ROAD ALLOWANCE, INCLUDING RESTORATION, MUST BE PERFORMED UNDER TOWN OF COBURN FIELD STAFF DIRECTION.
4. ALL WORKS WITHIN THE TOWN RIGHT-OF-WAY REQUIRE FULL TIME INSPECTION BY THE DEVELOPER'S ENGINEER (D.M. MILLS). THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF ANY WORK.

1. ALL NEW CATCHBASINS ON SITE SHALL HAVE FILTER FABRIC PLACED UNDER THE LID, IMMEDIATELY AFTER INSTALLATION TO CONTROL ANY SILT THAT MAY ENTER THE STORM SEWER - REFER TO DETAIL 02 ON



- NOTES:
1. ALL COSTS IN RELATION TO THE RESTORATION OF THE RIGHT OF WAY SHALL BE THAT OF THE APPLICANT.
 2. RESPECTING ALL WORK WITHIN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR IS TO PROVIDE AT LEAST 48 HOURS PRIOR NOTICE TO THE UTILITY SERVICES DEPARTMENT.
 3. THE CONTRACTOR MUST OBTAIN A ROAD OCCUPANCY AND/OR CUT PERMIT FOR ANY WORK BEING UNDERTAKEN IN THE MUNICIPAL ROAD ALLOWANCE.
 4. ALL WORK COMPLETED IN THE ROAD ALLOWANCE, INCLUDING RESTORATION, MUST BE PERFORMED UNDER CITY OF PETERBOROUGH FIELD STAFF DIRECTION.

TRUE NORTH

KEY PLAN

BN1 - 88.044
BENCHMARK No. 30, COBourg,
CROSS CUT ON DIAMOND HEAD
500' BASE AT 276 WILMOTT
STREET

REVISIONS

No.	Description	Date
2	SPA 2nd SUBMISSION	13/12/19
1	SPA 1st SUBMISSION	16/11/18

METRIC
Dimensions are in METRES and/or
MILLIMETRES unless otherwise shown
TO BE READ IN CONJUNCTION
WITH OPSD 100 SERIES

LEGEND

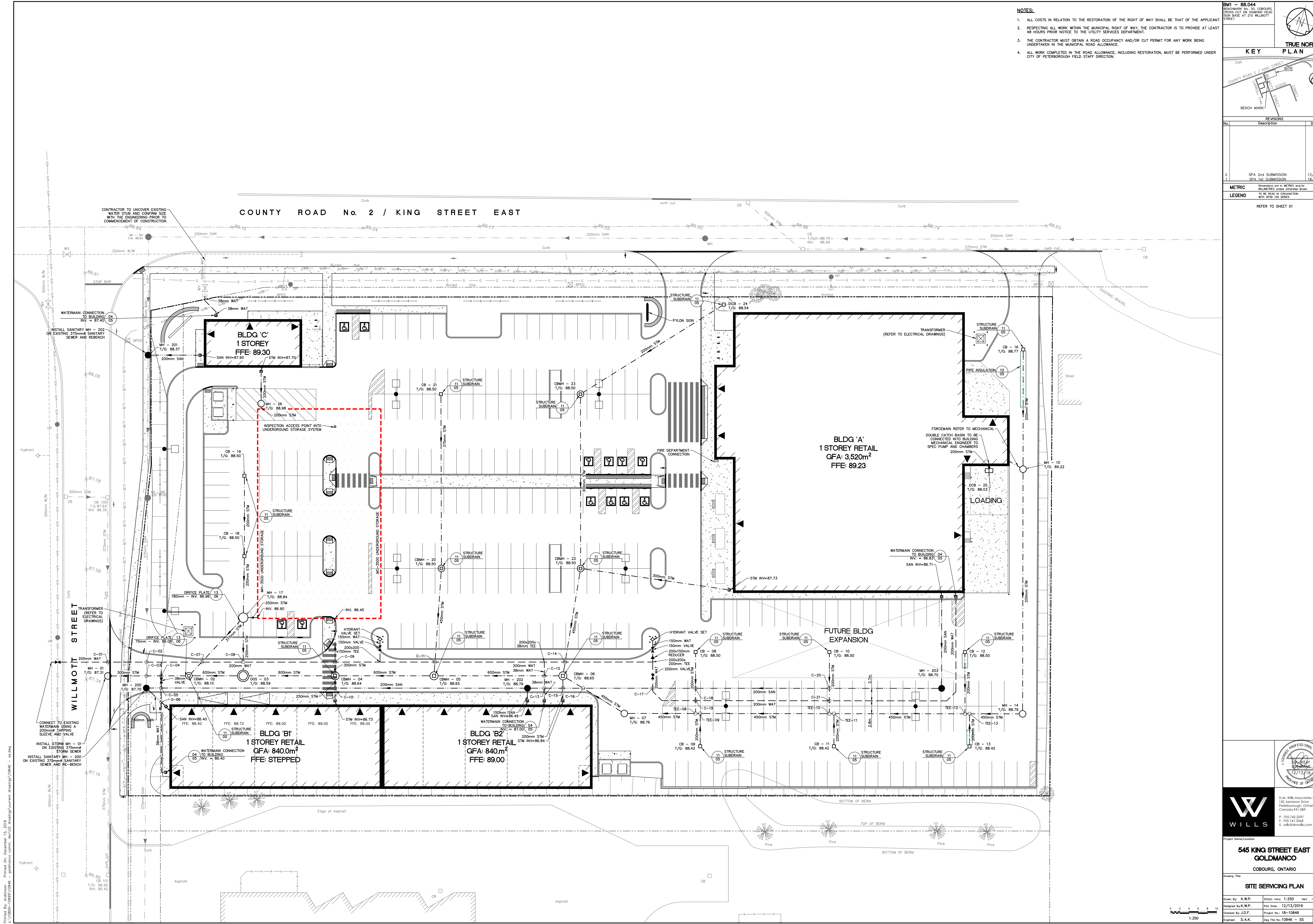
WILLS

D.M. Wills Associates Limited
150 Janssion Drive
Peterborough, Ontario
Canada K9J 0B9
P: 705.742.2297
F: 705.741.3568
E: wills@dmwills.com

Project Name/Location
**545 KING STREET EAST
GOLDMANCO**
COBourg, ONTARIO

Drawing Title
SITE GRADING PLAN

Drawn By: K.W.P. SCALE: Horiz. 1:250 Vert. 1:250
Designed By: K.W.P. Plot Date: 12/13/2019
Checked By: J.D.F. Project No.: 18-10846
Engineer: D.A.K. Day File No.: 10846 - GP 03



- NOTES:
1. ALL COSTS IN RELATION TO THE RESTORATION OF THE RIGHT OF WAY SHALL BE THAT OF THE APPLICANT.
 2. RESPECTING ALL WORK WITHIN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR IS TO PROVIDE AT LEAST 48 HOURS PRIOR NOTICE TO THE UTILITY SERVICES DEPARTMENT.
 3. THE CONTRACTOR MUST OBTAIN A ROAD OCCUPANCY AND/OR CUT PERMIT FOR ANY WORK BEING UNDERTAKEN IN THE MUNICIPAL ROAD ALLOWANCE.
 4. ALL WORK COMPLETED IN THE ROAD ALLOWANCE, INCLUDING RESTORATION, MUST BE PERFORMED UNDER CITY OF PETERBOROUGH FIELD STAFF DIRECTION.

BM1 - 88.044
BENCHMARK No. 30, CORRODING
CROSS CUT ON DIAMOND HEAD
SIGN BASE AT 210 WILMOTT
STREET

TRUE NORTH

KEY

No.	Description	Date
1	SPA 2nd SUBMISSION	13/12/19
2	SPA 1st SUBMISSION	16/11/18

METRIC

LEGEND

Dimensions are in METRES and/or
MILLIMETRES unless otherwise noted
TO BE READ IN CONJUNCTION
WITH CPED 100 SERIES

REFER TO SHEET 01

Printed By: jacobson
12/13/2019 10:25:13 AM
C:\Users\jacobson\Documents\Drawings\10846 - SS.dwg

D.A.K. WILLS Associates Limited
150 Jamboree Drive
Peterborough, Ontario
Canada K9J 0B9
P: 705.742.2297
F: 705.741.3568
E: wills@dwills.com

Project Name/Location

545 KING STREET EAST
GOLDMANCO
COBBOURG, ONTARIO

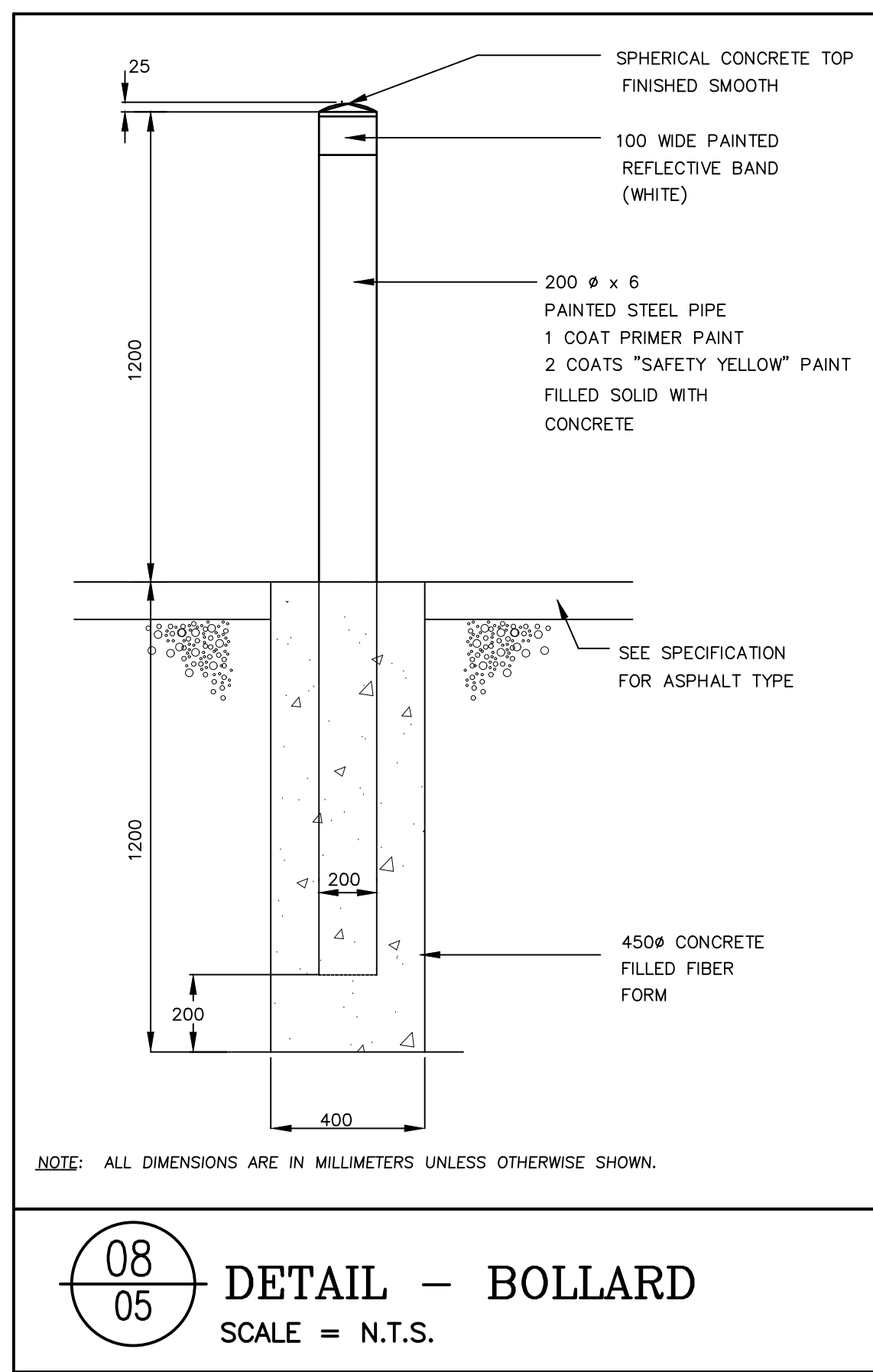
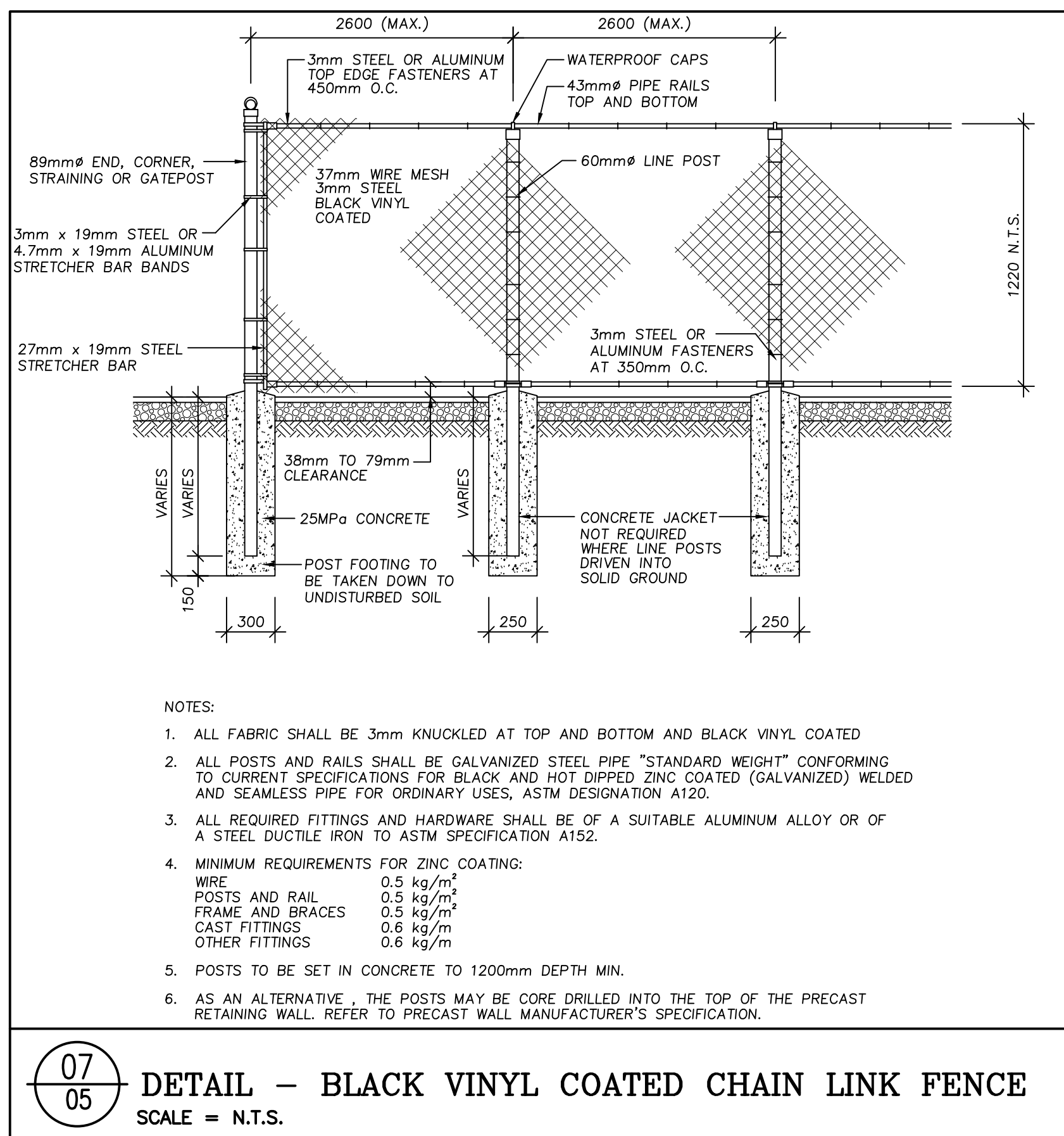
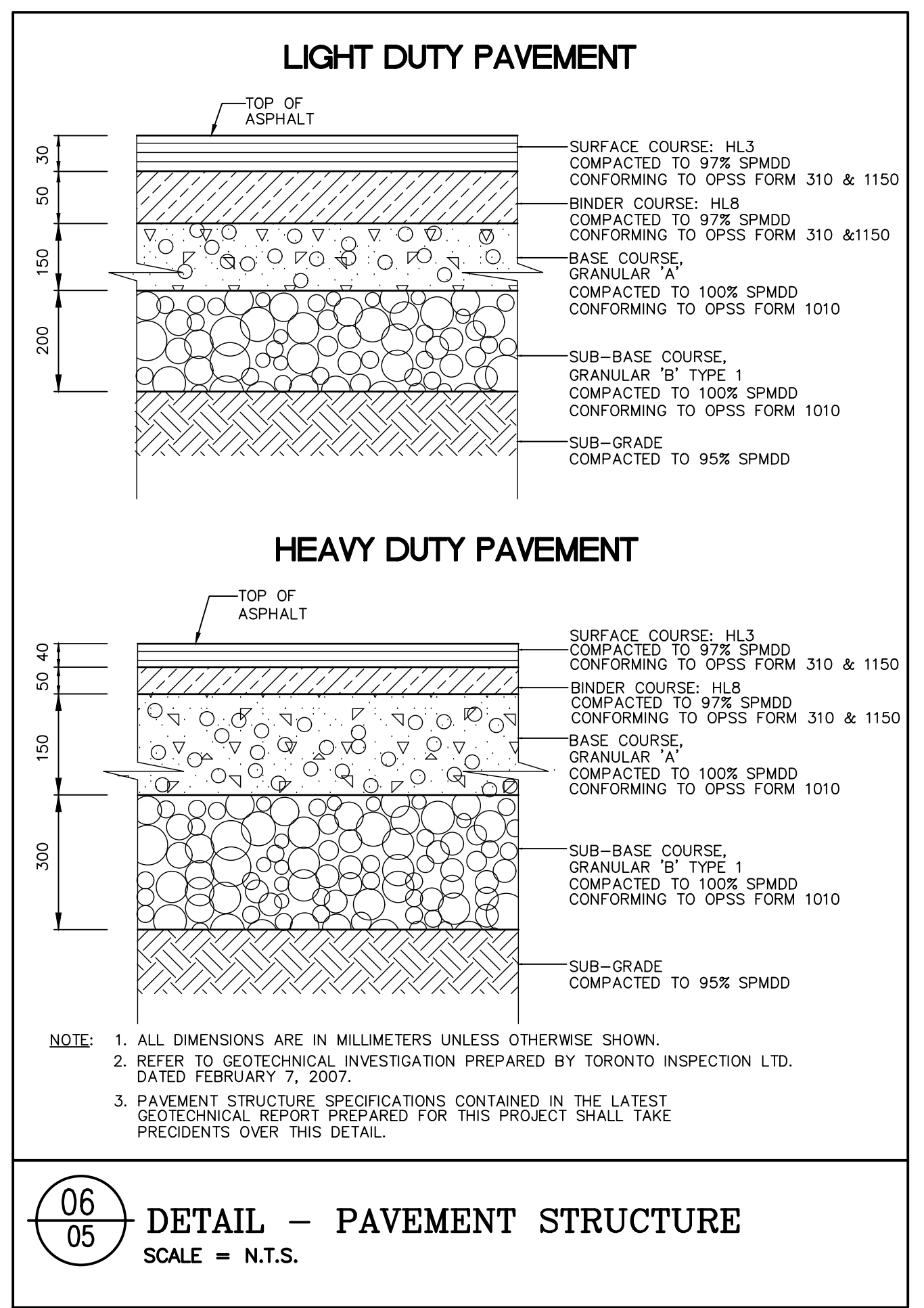
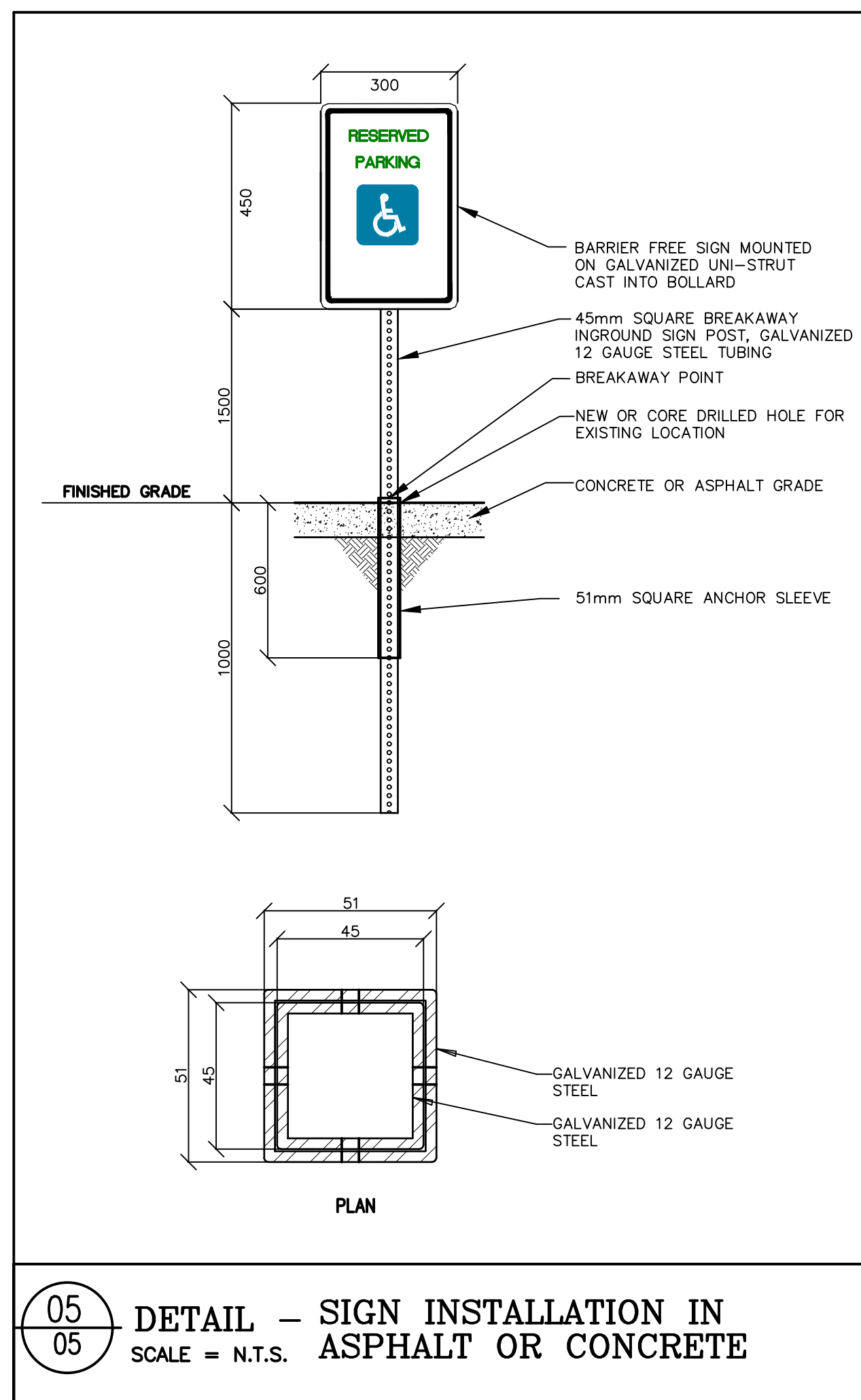
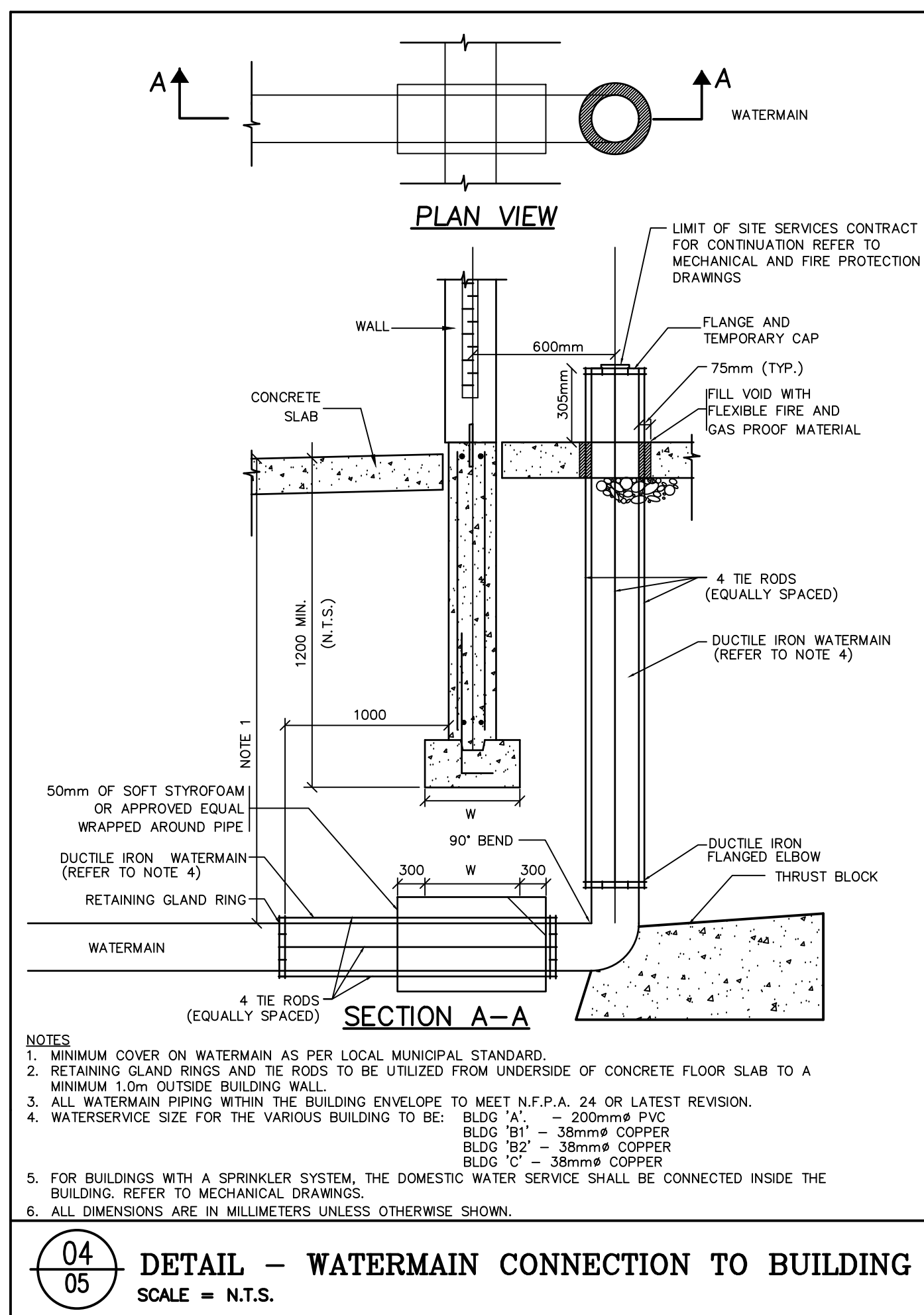
Drawing Title

SITE SERVICING PLAN

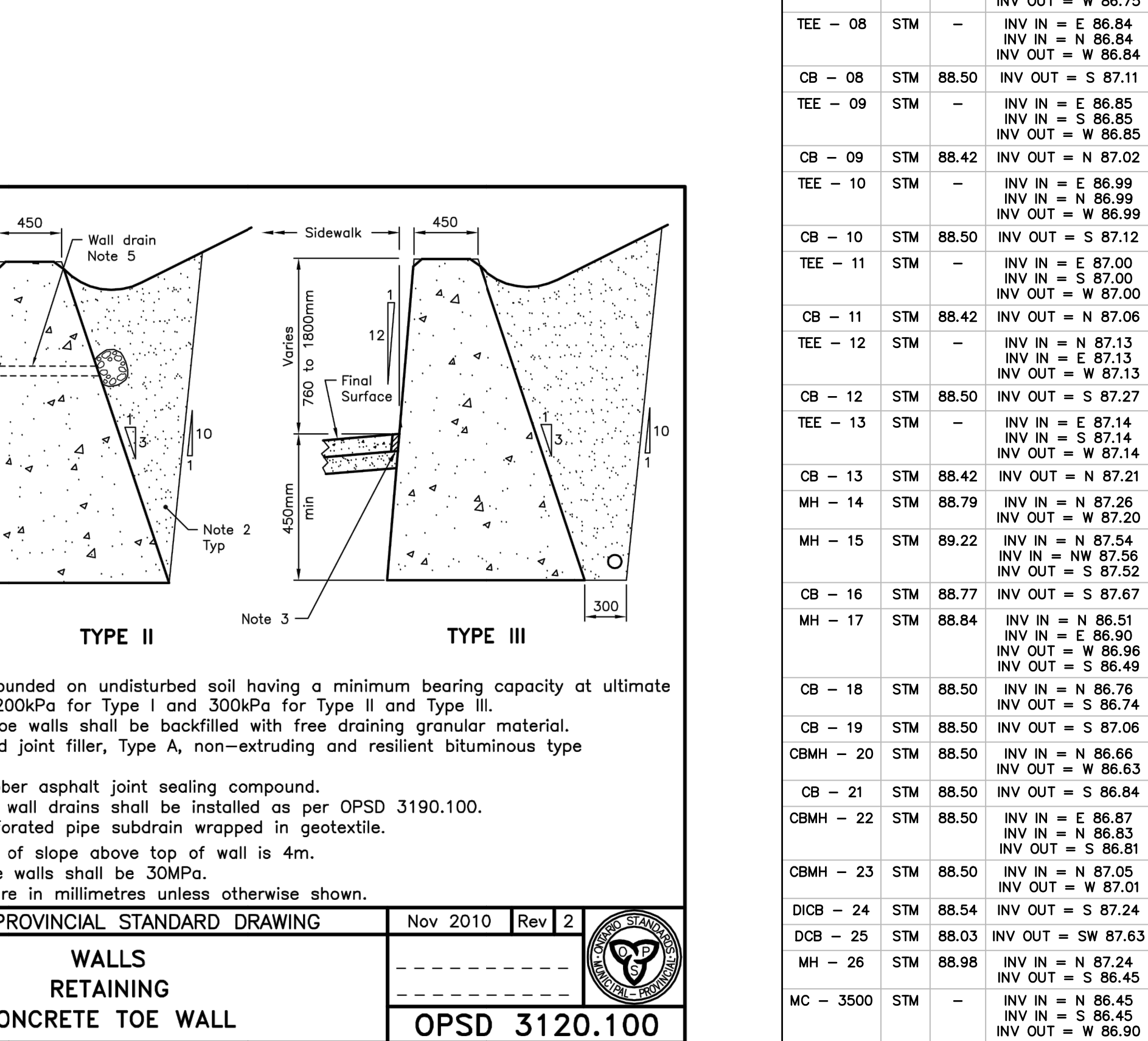
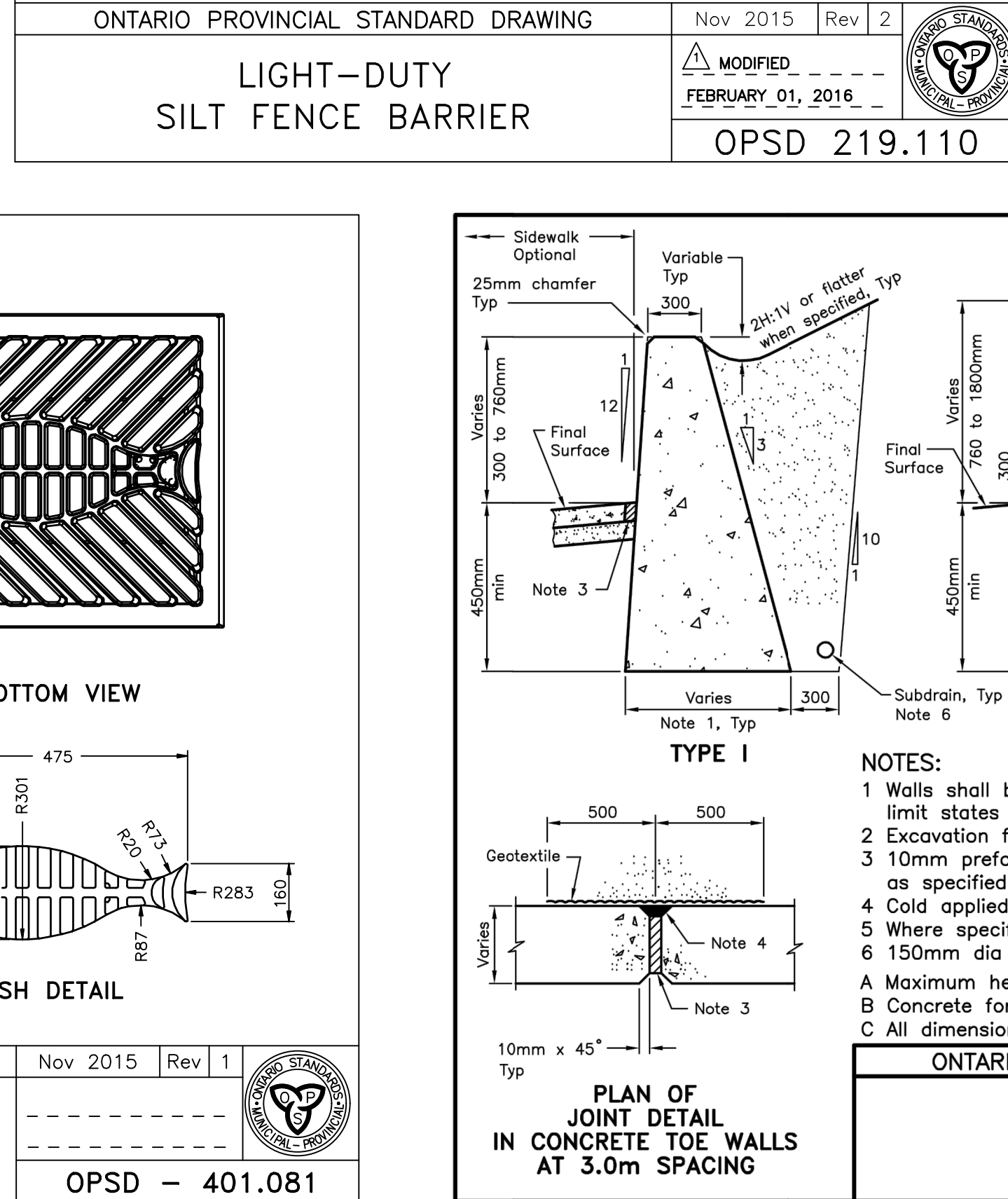
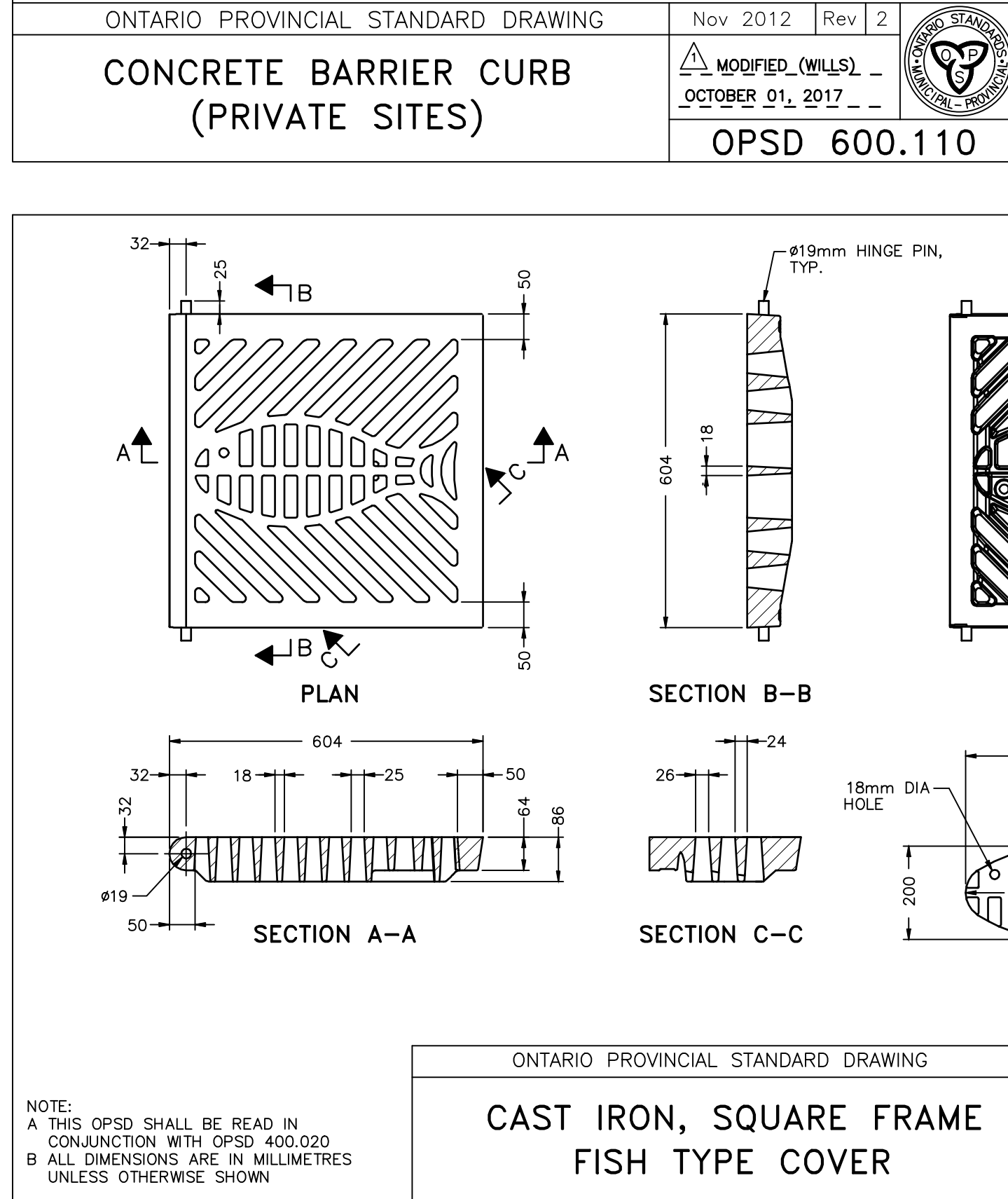
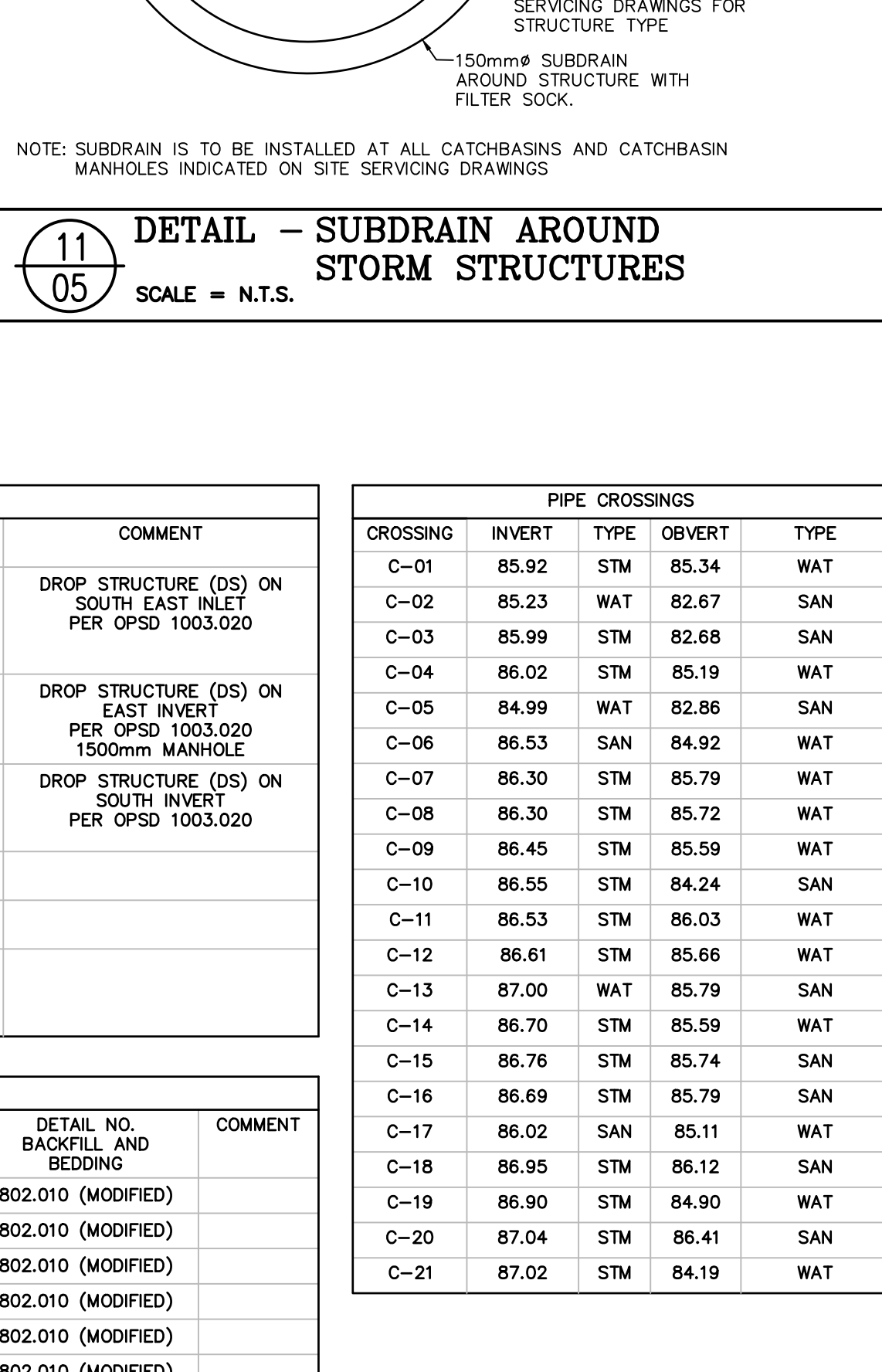
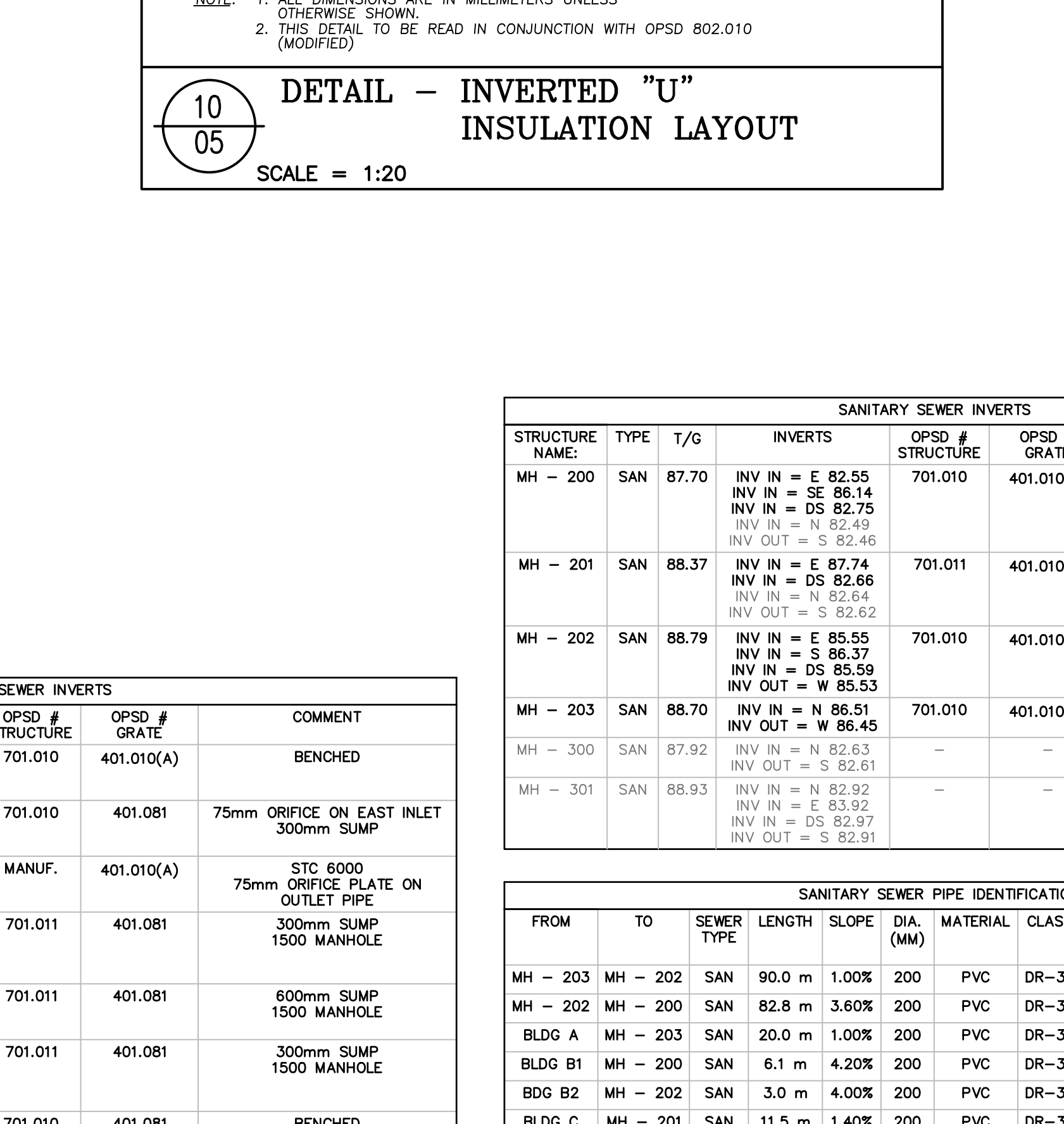
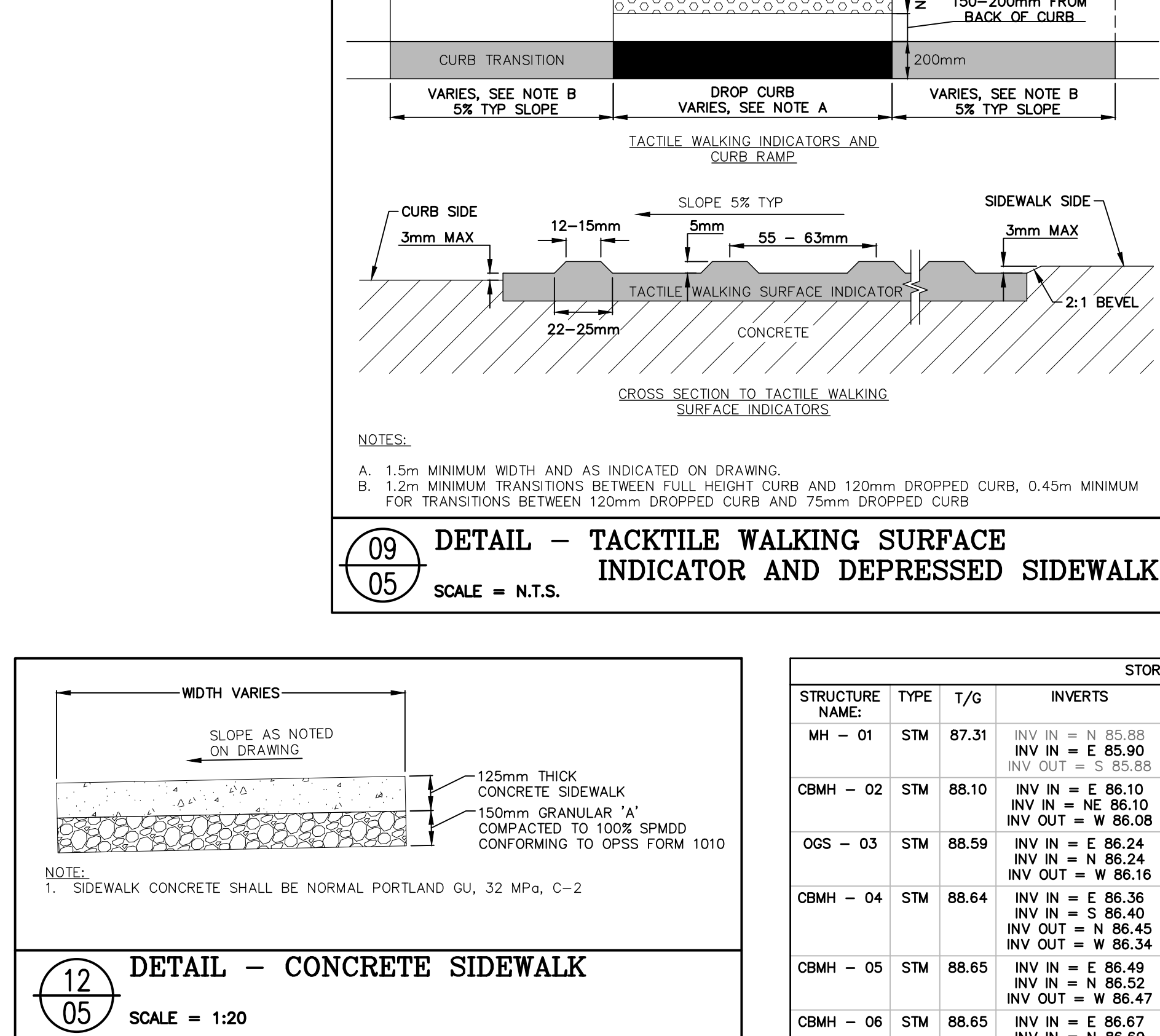
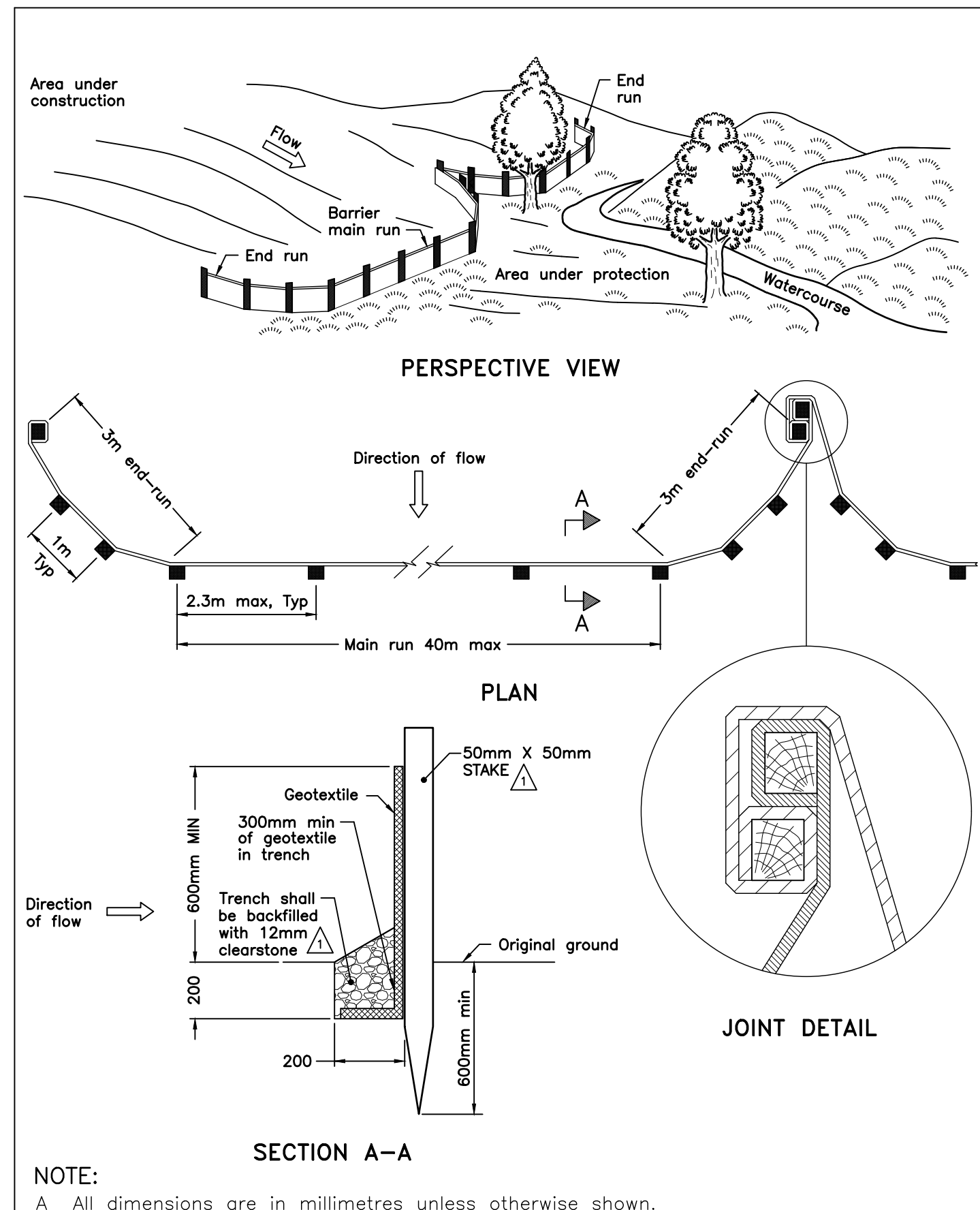
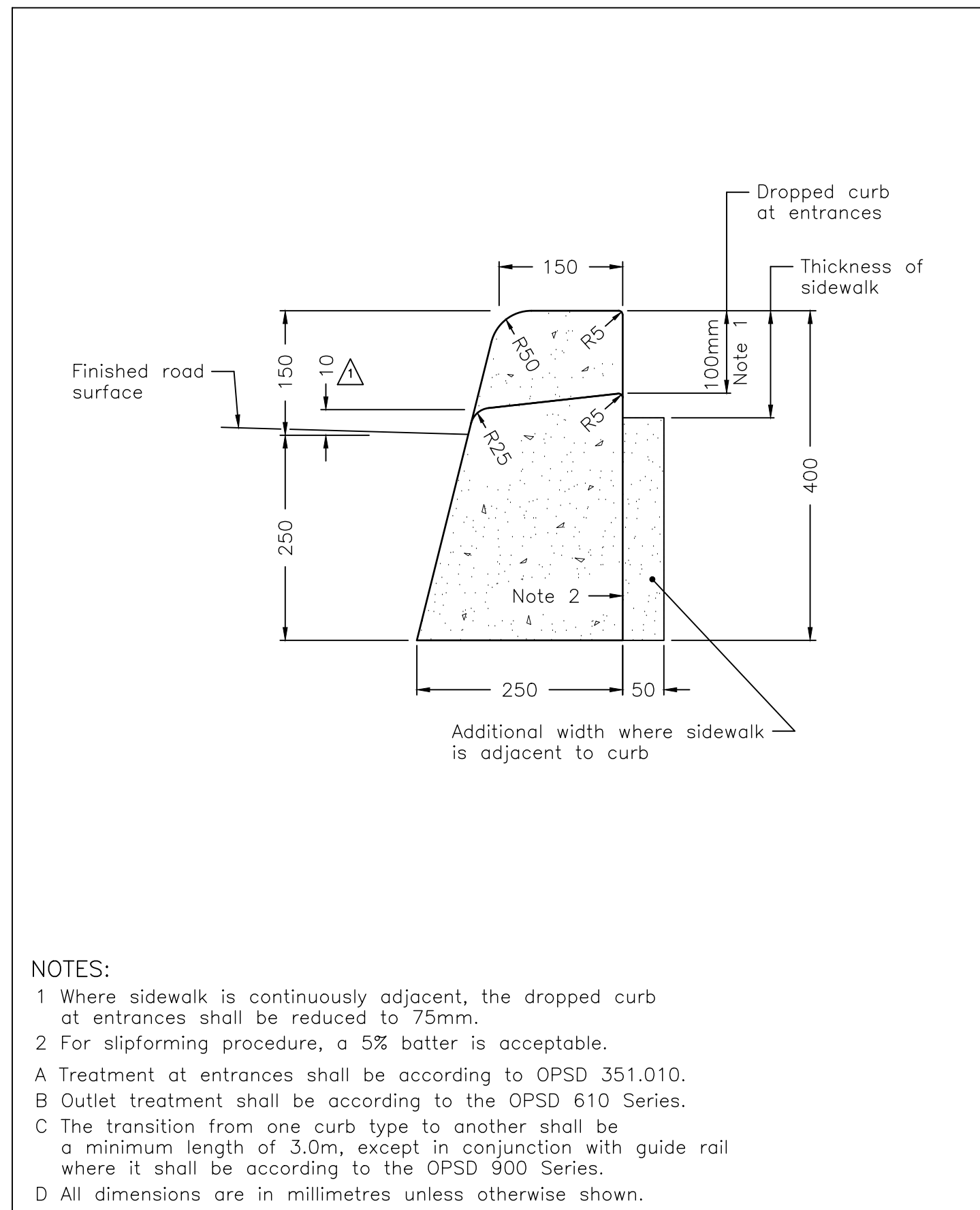
Drawn By: K.W.P.	SCALE: Horiz. 1:250	Vert. -
Designed By: K.W.P.	Plot Date: 12/13/2019	
Checked By: J.D.F.	Project No.: 18-10846	Sh. No.
Engineer: D.A.K.	Draw File No.: 10846 - SS	04

0 2 4 6 8 10

1:250



BM1 - 88.044 BENCHMARK NO. 30, COBourg CROSS CUT ON DIAMOND HEAD 500 BASE AT 276 WILMOTT STREET		
KEY PLAN COUNTY ROAD 2 / KING STREET BENCH MARK		
REVISIONS No. Description Date		
2	SPA 2nd SUBMISSION	13/12/19
1	SPA 1st SUBMISSION	16/11/18
METRIC Dimensions are in METRES and/or MILLIMETRES unless otherwise shown		
LEGEND TO BE READ IN CONJUNCTION WITH OPSD 100 SERIES		



STRUCTURE NAME	TYPE	T/G	INVERTS	OPSD # STRUCTURE	OPSD # GRATE	COMMENT
MH - 200	SAN	87.70	INV IN = E 82.55 INV IN = SE 86.14 INV IN = N 82.49 INV OUT = S 82.62	701.010	401.010(A)	DROP STRUCTURE (DS) ON SOUTH EAST INLET PER OPSD 1003.020
MH - 201	SAN	88.37	INV IN = E 87.74 INV IN = DS 82.66 INV IN = N 82.49 INV OUT = S 82.62	701.011	401.010(A)	DROP STRUCTURE (DS) ON EAST INVERT PER OPSD 1003.020
MH - 202	SAN	88.79	INV IN = E 85.55 INV IN = S 85.37 INV IN = DS 85.59 INV OUT = S 82.61	701.010	401.010(A)	DROP STRUCTURE (DS) ON SOUTH INVERT PER OPSD 1003.020
MH - 203	SAN	88.70	INV IN = N 86.51 INV IN = S 82.61	701.010	401.010(A)	BENCHED
MH - 300	SAN	87.92	INV IN = N 82.63 INV OUT = S 82.61	-	-	BENCHED
MH - 301	SAN	88.93	INV IN = N 82.92 INV IN = DS 82.97 INV OUT = S 82.91	-	-	BENCHED

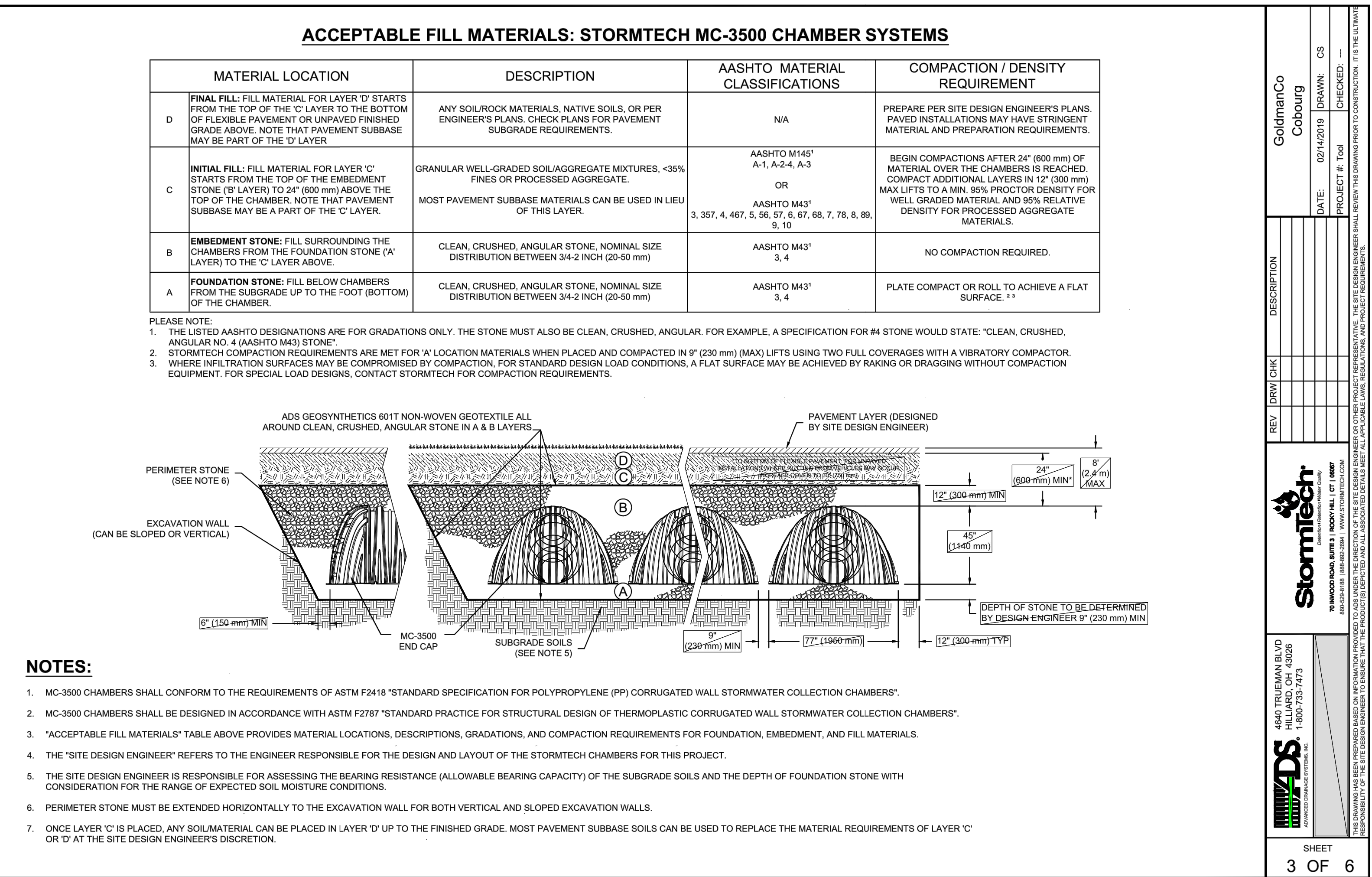
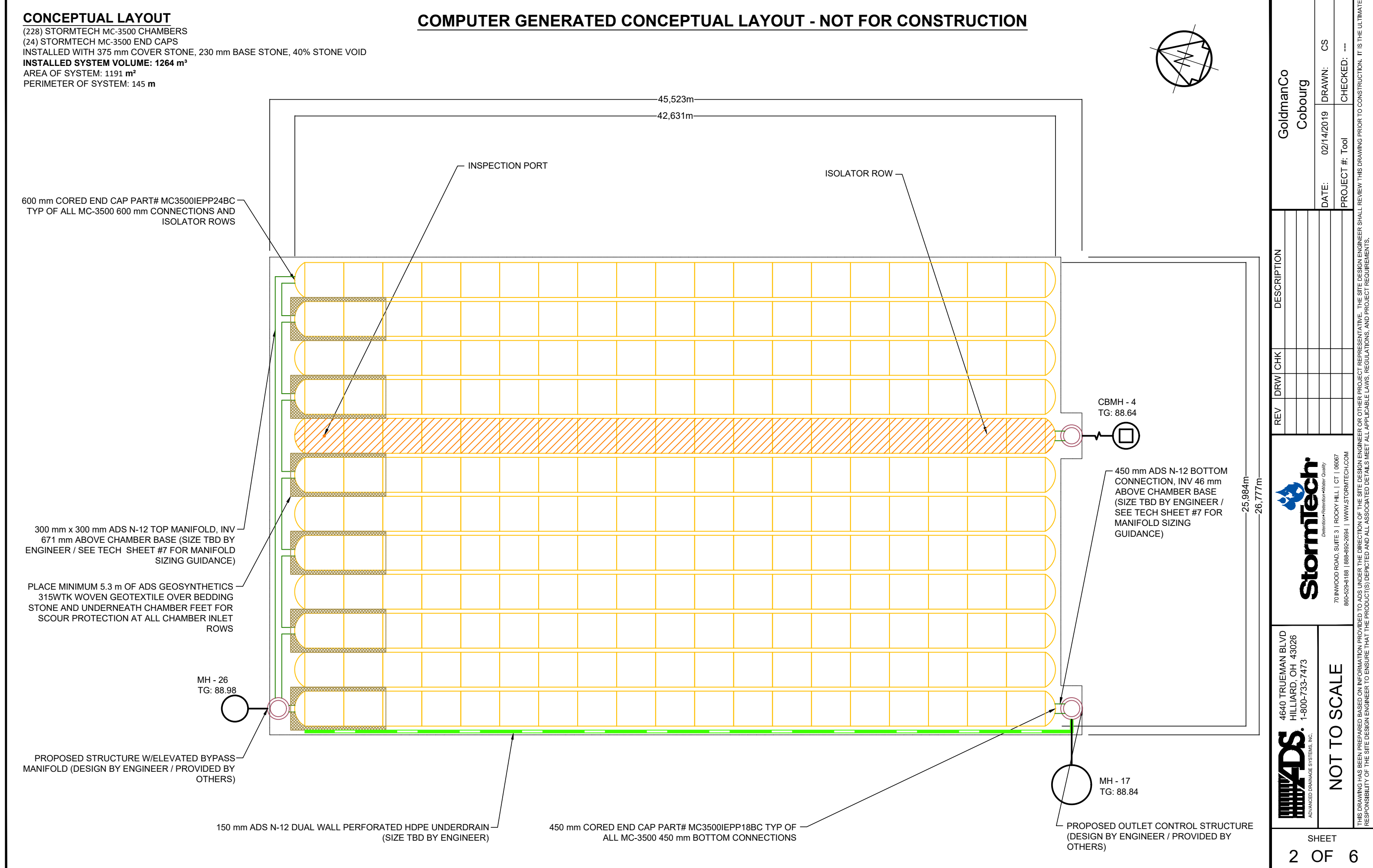
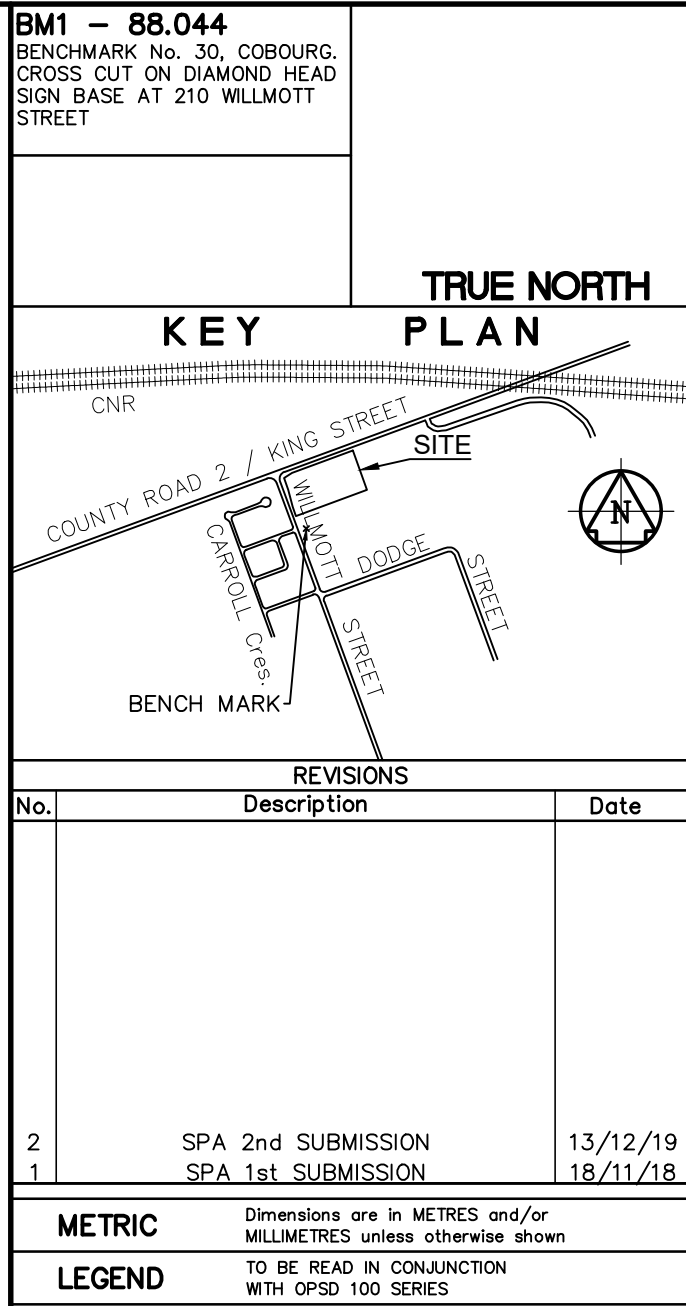
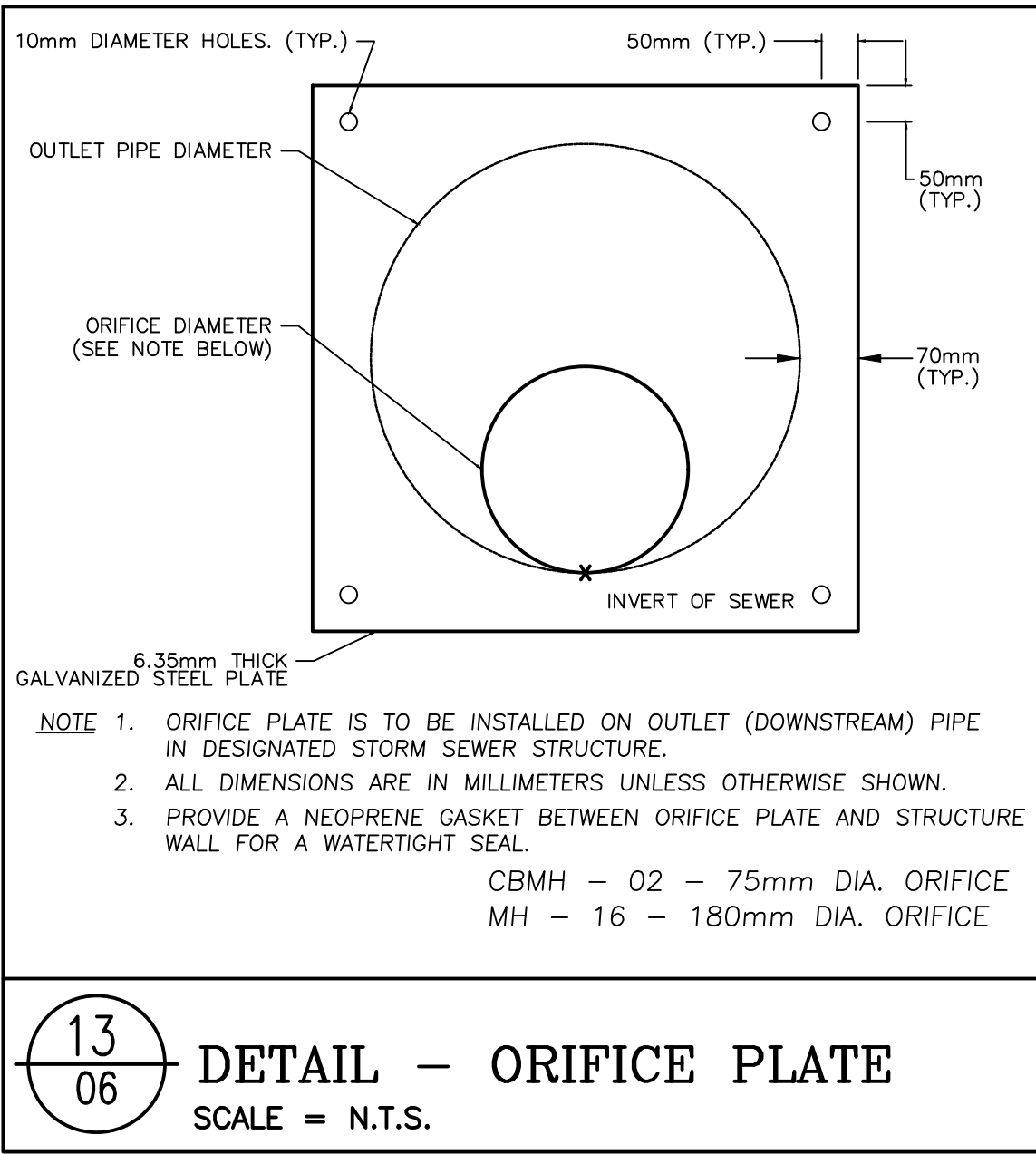
FROM	TO	SEWER TYPE	LENGTH	SLOPE	DIA. (MM)	MATERIAL	CLASS	DETAIL NO. BACKFILL AND BEDDING	COMMENT
MH - 203	MH - 202	SAN	90.0 m	1.00%	200	PVC	DR-35	802.010 (MODIFIED)	PARTIALLY INSULATE PER DETAIL 10
MH - 202	MH - 200	SAN	82.8 m	3.60%	200	PVC	DR-35	802.010 (MODIFIED)	PARTIALLY INSULATE PER DETAIL 10
BLDG A	MH - 203	SAN	20.0 m	1.00%	200	PVC	DR-35	802.010 (MODIFIED)	PARTIALLY INSULATE PER DETAIL 10
BLDG B1	MH - 200	SAN	6.1 m	4.00%	200	PVC	DR-35	802.010 (MODIFIED)	PARTIALLY INSULATE PER DETAIL 10
BLDG B2	MH - 202	SAN	3.0 m	4.00%	200	PVC	DR-35	802.010 (MODIFIED)	PARTIALLY INSULATE PER DETAIL 10
BLDG C	MH - 201	SAN	11.5 m	1.40%	200	PVC	DR-35	802.010 (MODIFIED)	PARTIALLY INSULATE PER DETAIL 10

WILLS
 S.M. Wills Associates Limited
 150 Jamboree Drive
 Peterborough, Ontario
 Canada K9J 0B9
 P: 705.742.2297
 F: 705.741.3568
 E: wills@smwills.com

545 KING STREET EAST GOLDMANCO
 COBourg, Ontario

DETAILS

Drawn By: K.W.P. SCALE: Horizontal Vertical
 Checked By: J.D.F. Plot Date: 12/13/2019
 Engineer: D.A.K. Draw File No: 10846 - GNDT 05



NOTE:

1. STORMTECH CHAMBER DETAILS HAVE BEEN PROVIDED FOR ILLUSTRATION PURPOSES ONLY. THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING DETAILED SHOP DRAWINGS FROM THE SUPPLIER PRIOR TO CONSTRUCTION. SHOP DRAWINGS ARE TO BE SUBMITTED TO, REVIEWED AND APPROVED BY THE STORMWATER ENGINEER PRIOR TO INSTALLATION.