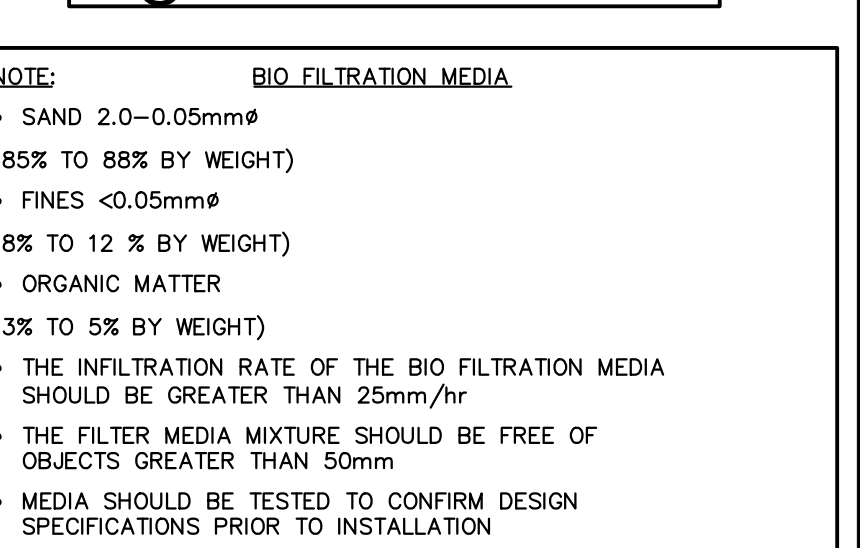
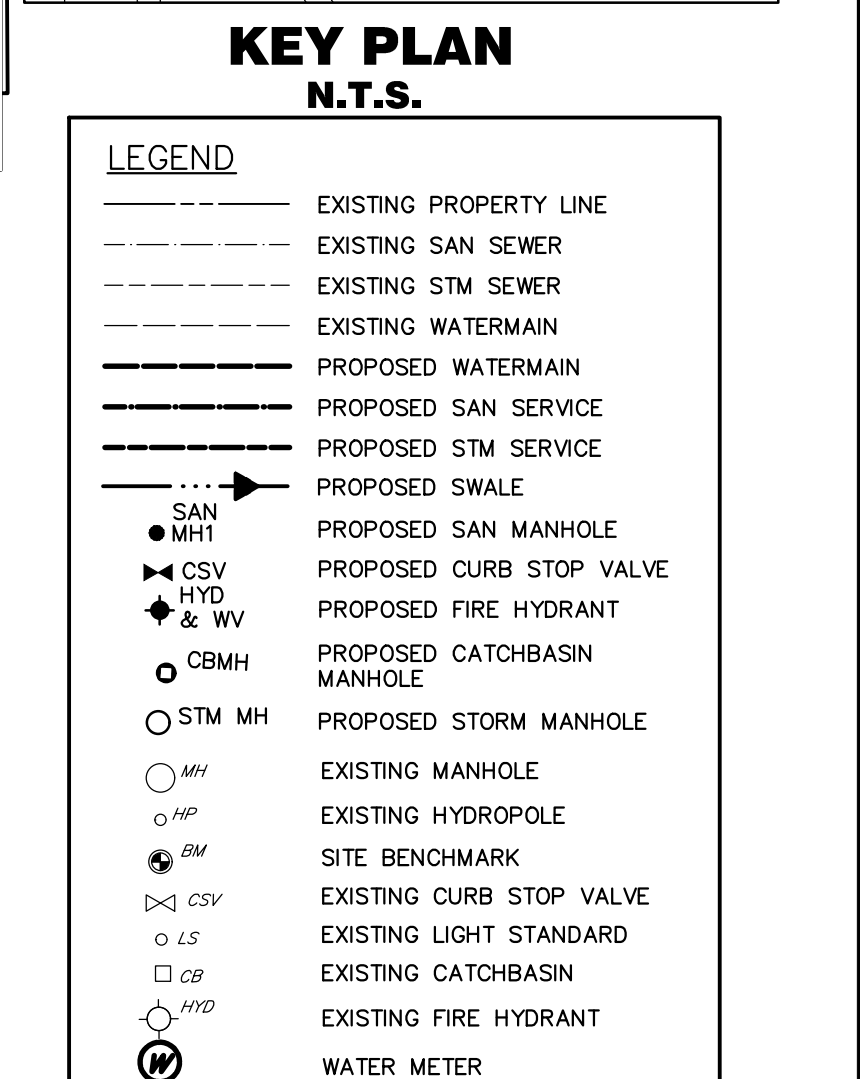
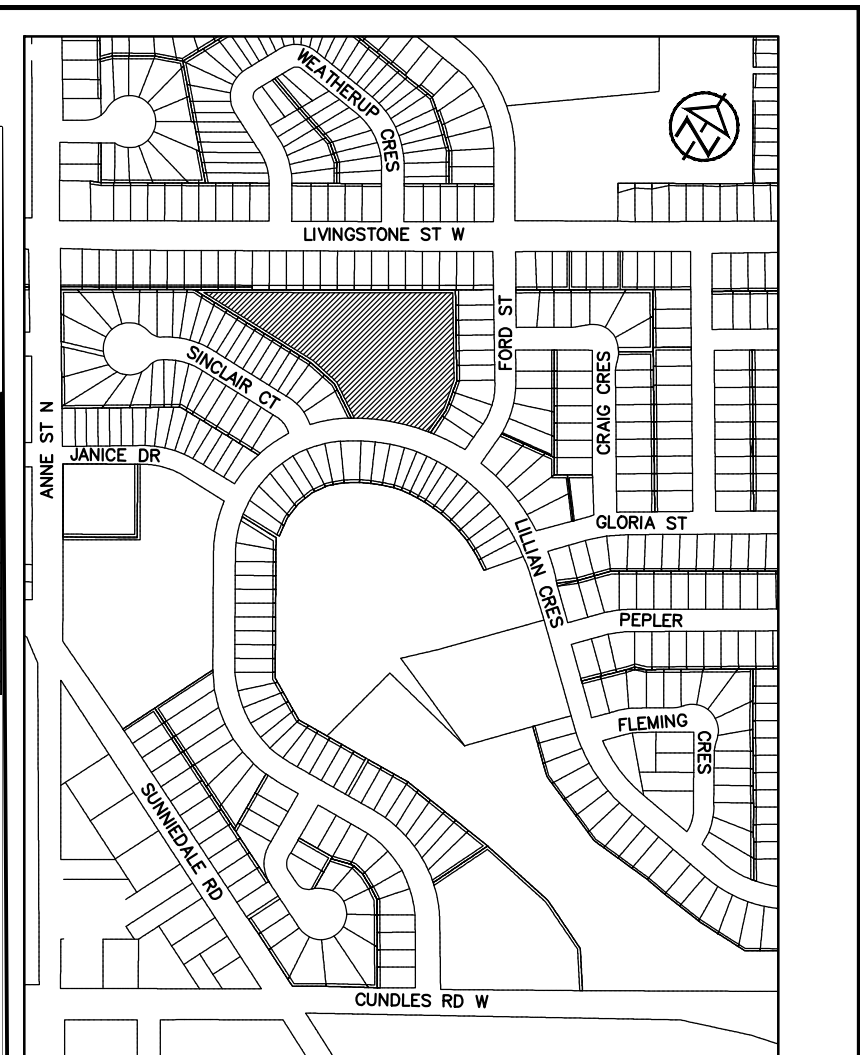
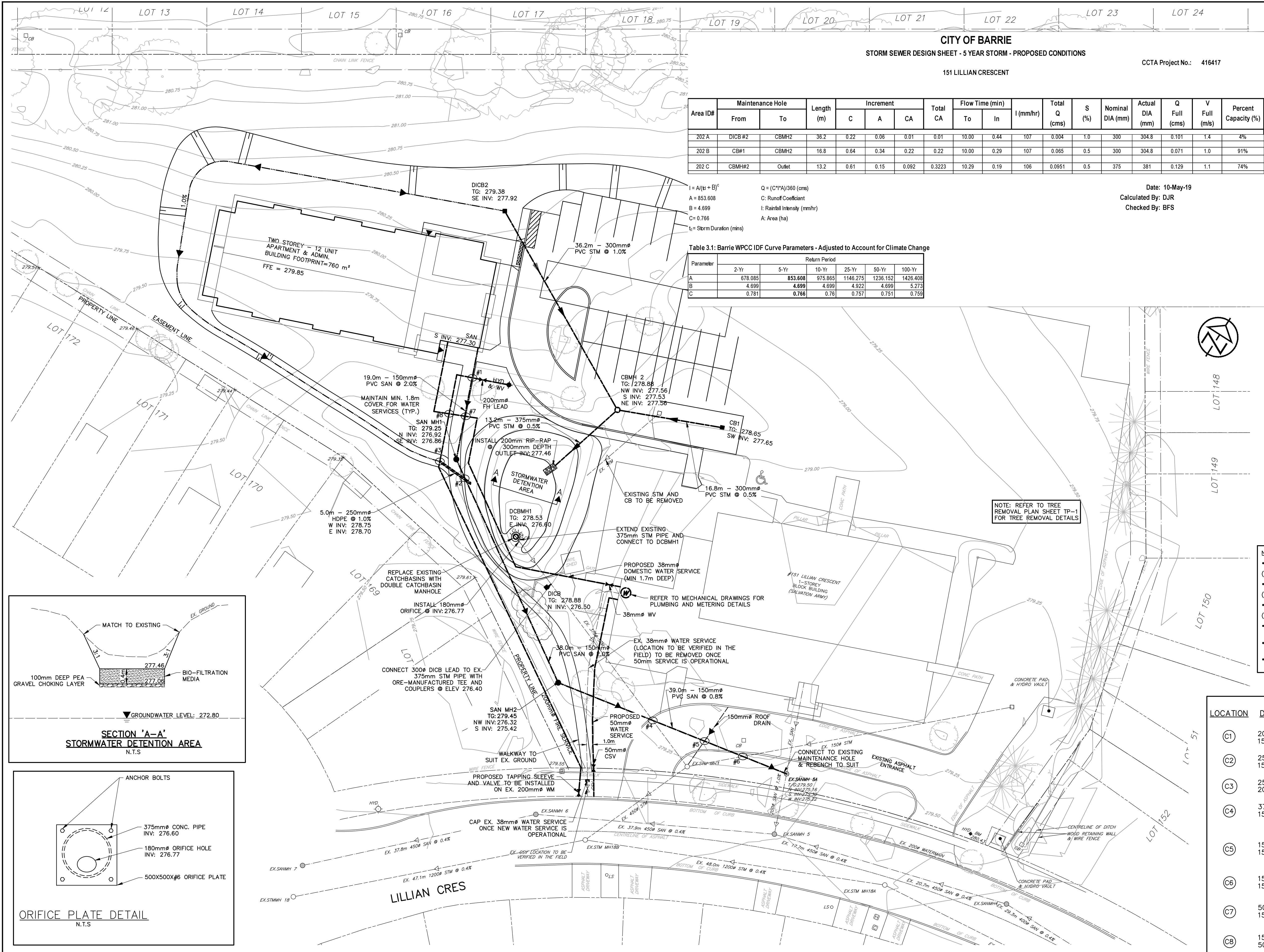
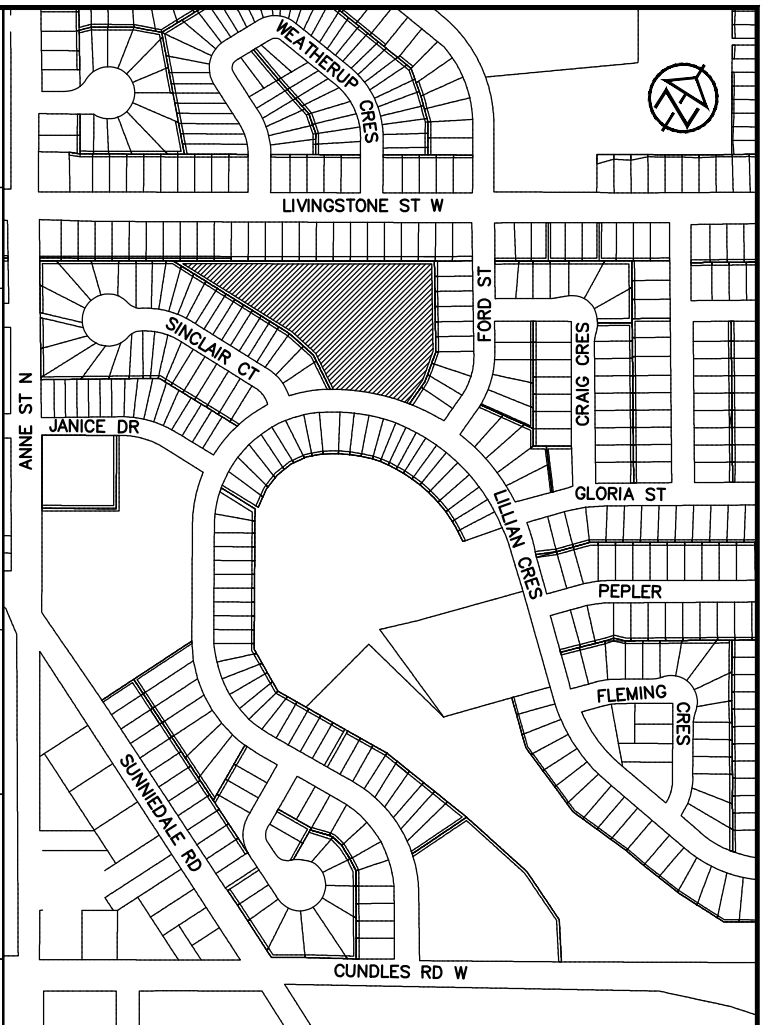
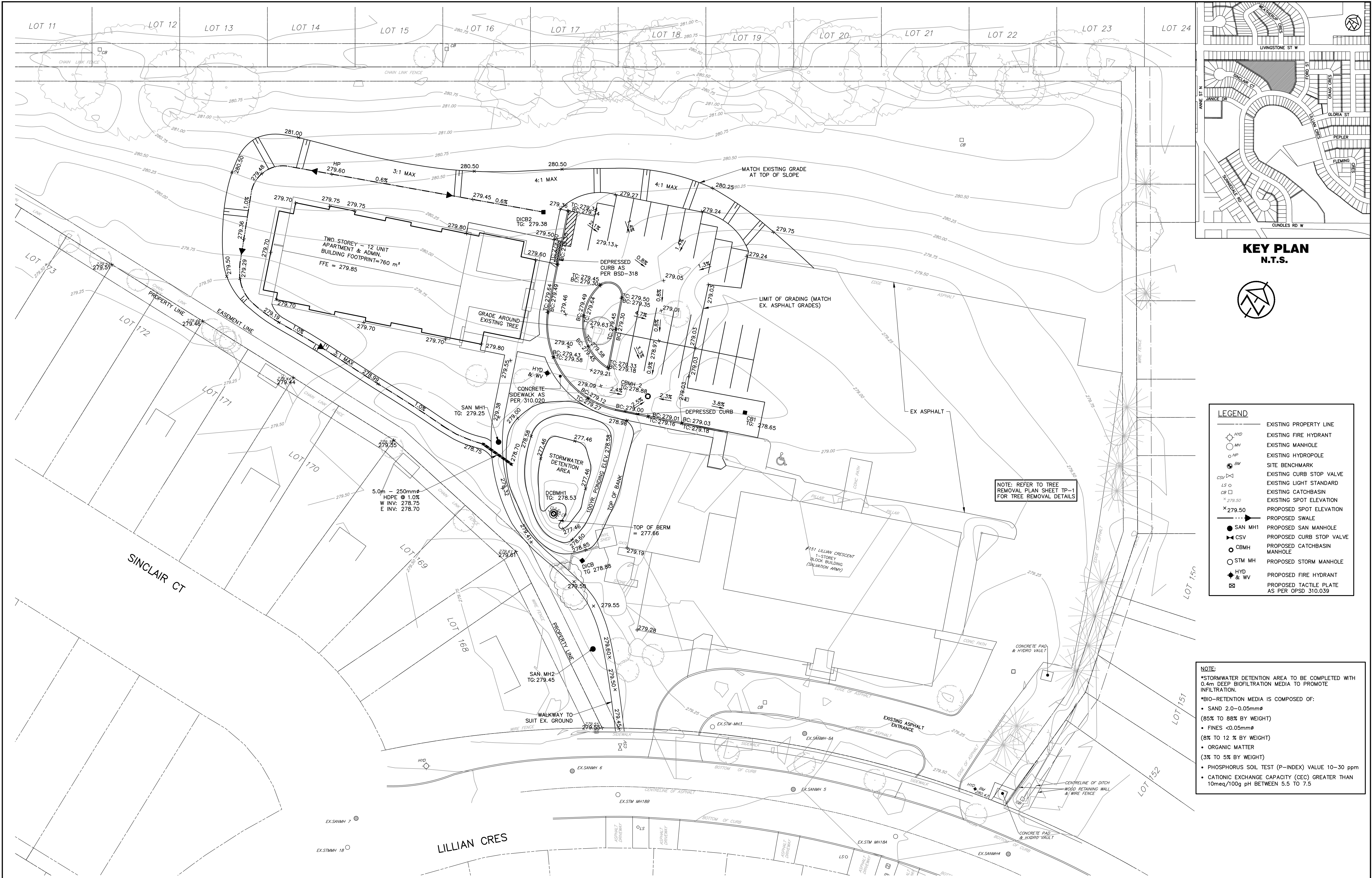




CROSSING CHART			
LOCATION	DESCRIPTION	ELEVATION	AVAILABLE CLEARANCE (m)
C1	200mm WM OVER 150mm SAN	INV. 277.85 OBV. 277.35	0.50
C2	250mm STM OVER 150mm SAN	INV. 278.71 OBV. 277.00	1.71
C3	250mm STM CULVERT 200mm WM OVER	INV. 278.74 OBV. 277.59	1.15
C4	375mm STM OVER 150mm SAN	INV. 275.75 OBV. 275.49	0.26
C5	150mm STM OVER 150mm SAN	INV. 275.80 OBV. 275.42	0.38
C6	150mm STM OVER 150mm SAN	INV. 275.84 OBV. 275.40	0.44
C7	50mm WATER OVER 150mm SAN	INV. 277.75 OBV. 277.23	0.52
C8	150mm WATER OVER 50mm WATER	INV. 277.95 OBV. 277.65	0.30

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			3.	SECOND SUBMISSION	JAN 16/18						
			4.	SUBMITTED FOR CITY APPROVAL	MAY 22/19						
5.	REVISED AS PER CITY COMMENTS	OCT 17/19									
6.	REVISED AS PER CITY COMMENTS	NOV 05/19									
7.	ADD NOTES RE: ACCESSIBILITY	MAR 17/20									
SITE SERVICING PLAN							DESIGN: DJR	FILE: 416417	DWG:		
							DRAWN: DDOH	DATE: MAR 2017	SS-1		
							CHECK: BFS	SCALE: 1:300			



KEY PLAN N.T.S.

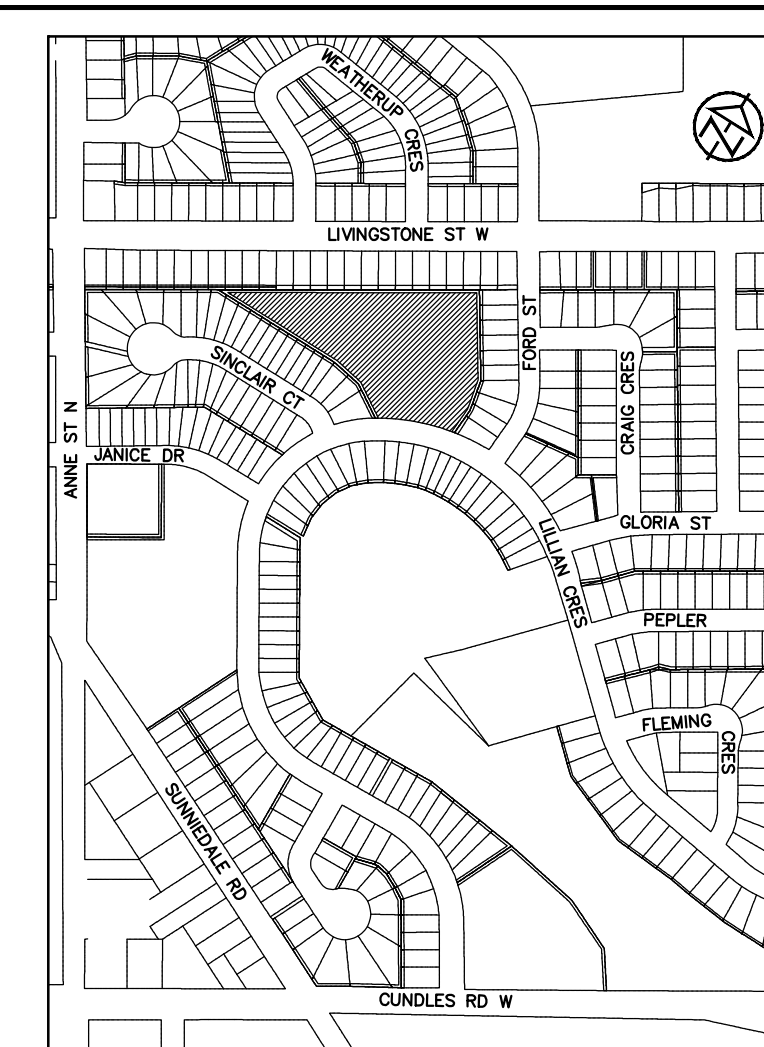
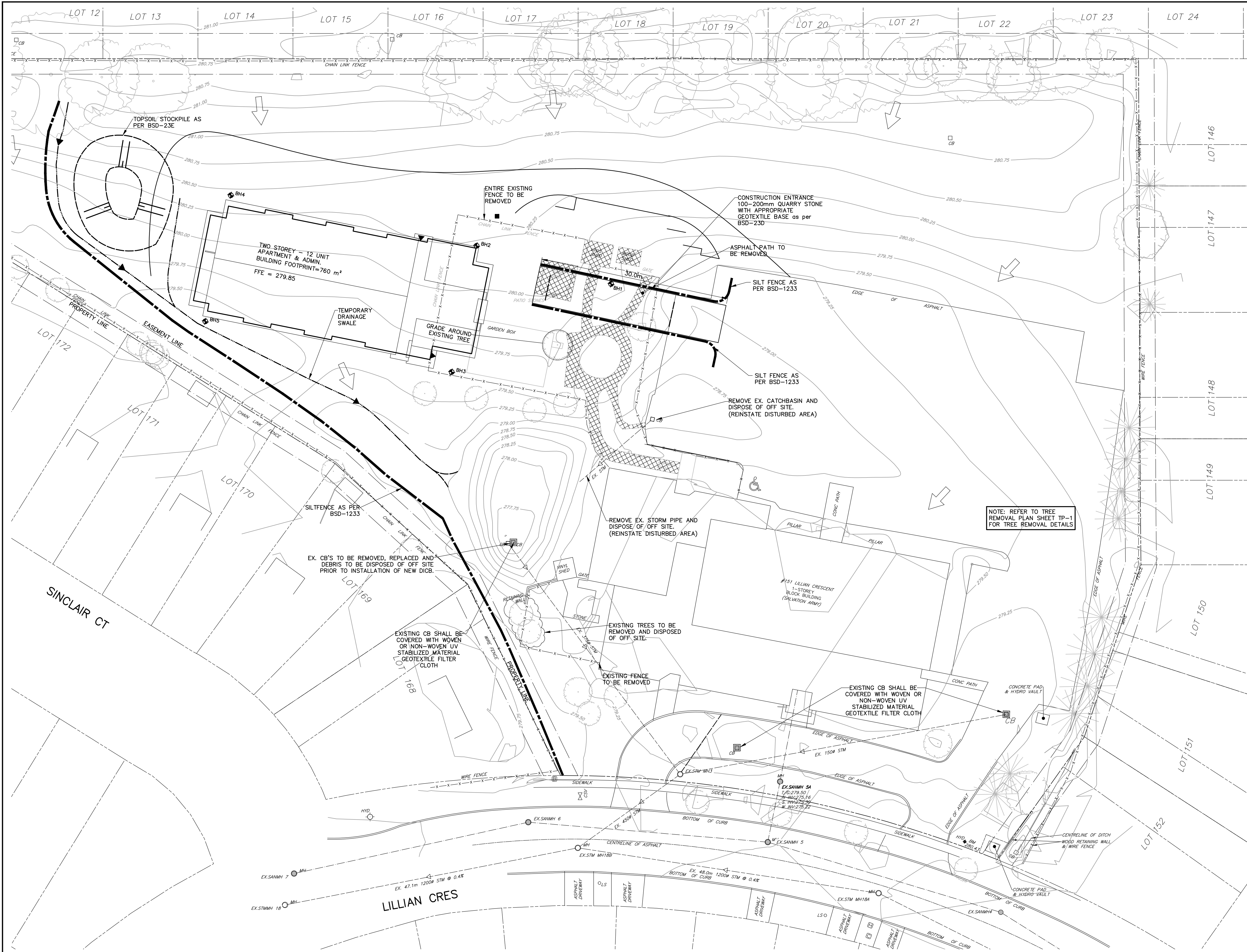
LEGEND

- EXISTING PROPERTY LINE
- EXISTING FIRE HYDRANT
- EXISTING MANHOLE
- EXISTING HYDROPOLE
- SITE BENCHMARK
- EXISTING CURB STOP VALVE
- EXISTING LIGHT STANDARD
- EXISTING CATCHBASIN
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- PROPOSED SWALE
- PROPOSED SAN MANHOLE
- PROPOSED CURB STOP VALVE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED FIRE HYDRANT
- PROPOSED TACTILE PLATE AS PER OPSD 310.039

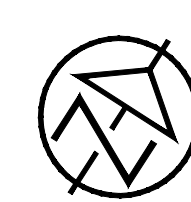
NOTE:

- *STORMWATER DETENTION AREA TO BE COMPLETED WITH 0.4m DEEP BIOFILTRATION MEDIA TO PROMOTE INFILTRATION.
- *BIO-RETENTION MEDIA IS COMPOSED OF:
 - SAND 2.0-0.05mm# (85% TO 88% BY WEIGHT)
 - FINES <0.05mm# (8% TO 12 % BY WEIGHT)
 - ORGANIC MATTER (3% TO 5% BY WEIGHT)
 - PHOSPHORUS SOIL TEST (P-INDEX) VALUE 10-30 ppm
 - CATIONIC EXCHANGE CAPACITY (CEC) GREATER THAN 10meq/100g pH BETWEEN 5.5 TO 7.5

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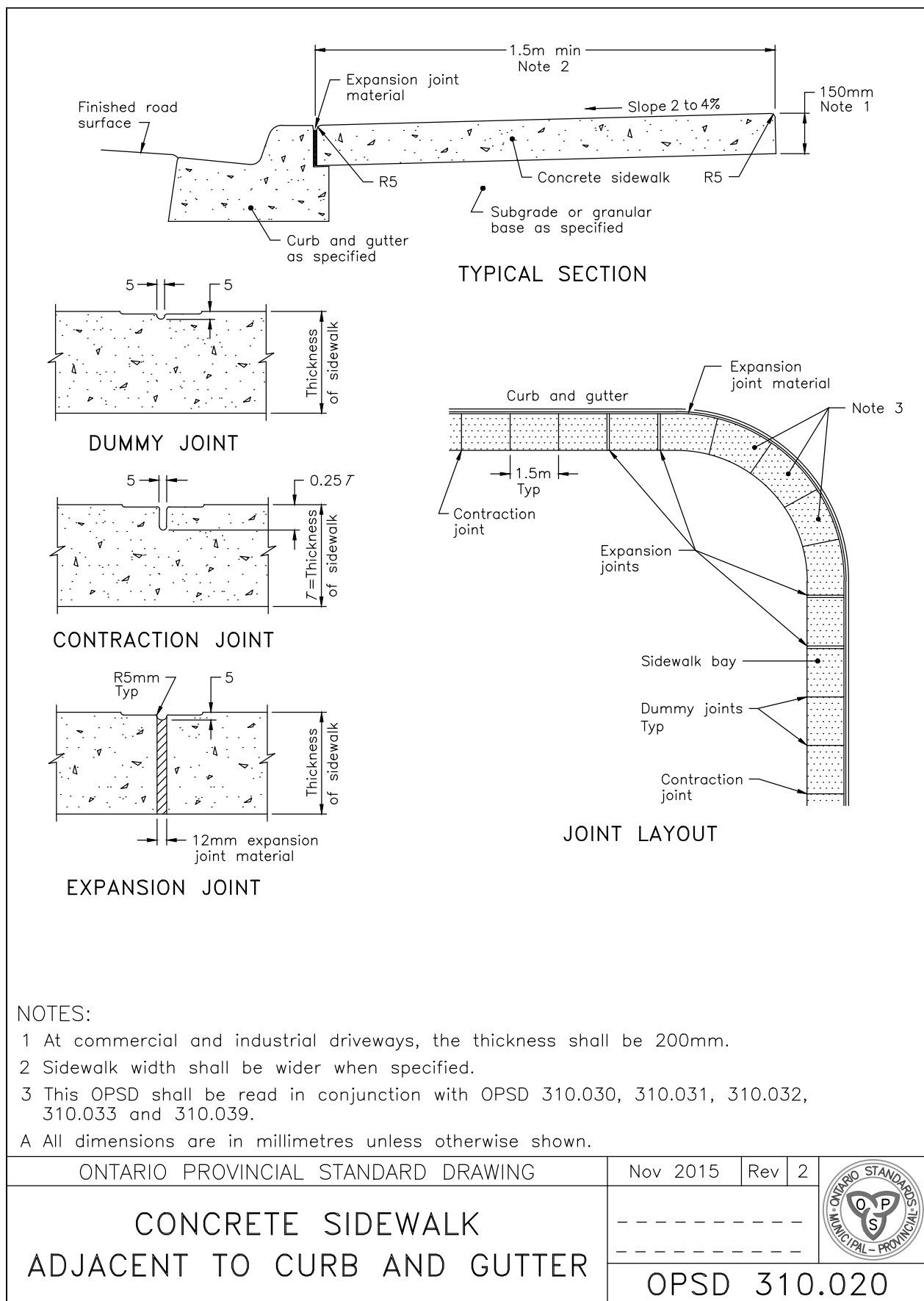
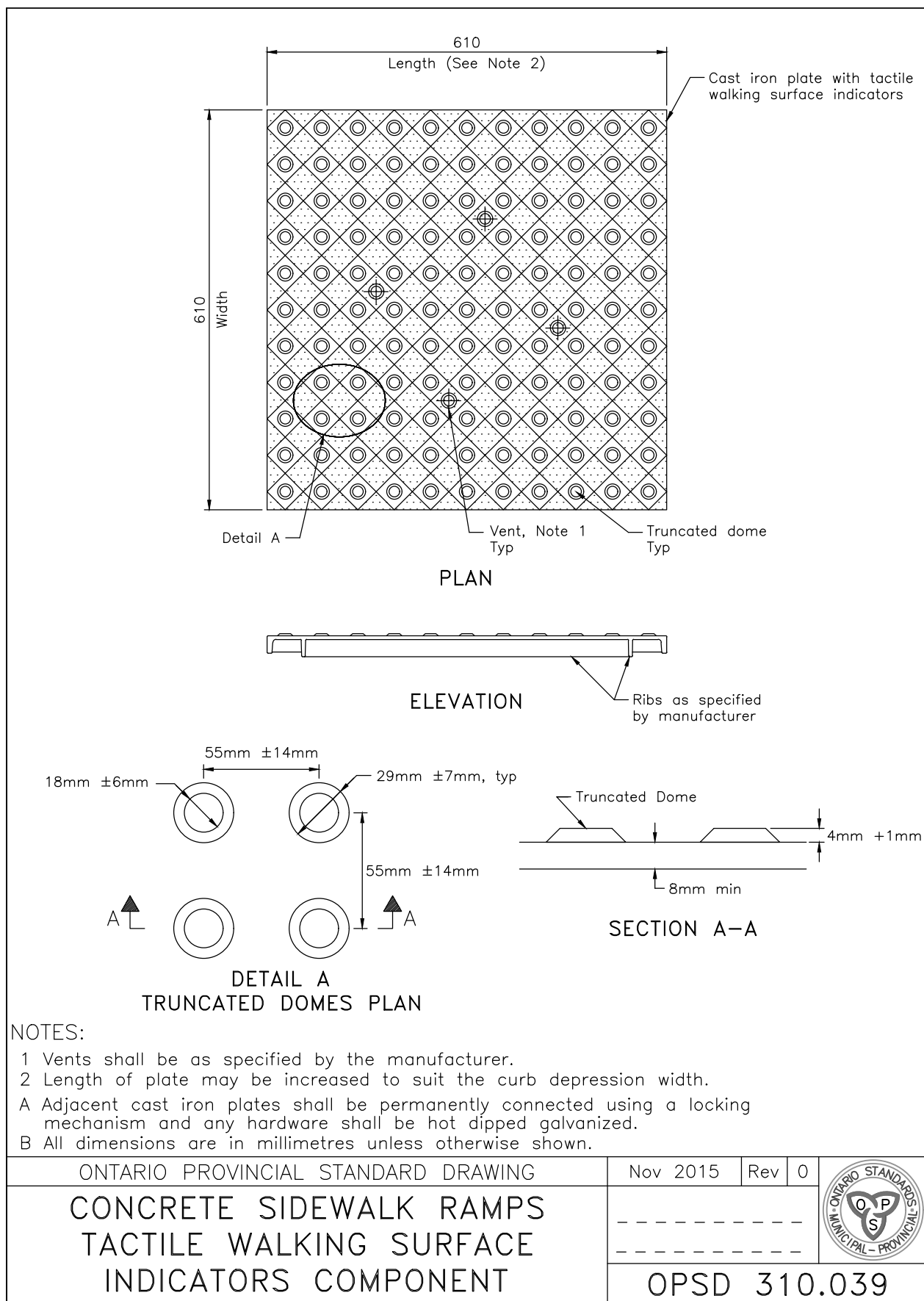


KEY PLAN
N.T.S.



LEGEND	
	EXISTING PROPERTY LINE
	EXISTING FIRE HYDRANT
	EXISTING MANHOLE
	EXISTING HYDROPOLE
	SITE BENCHMARK
	EXISTING CURB STOP VALVE
	EXISTING LIGHT STANDARD
	EXISTING CATCHBASIN
	EXISTING SPOT ELEVATION
	OVERLAND FLOW DIRECTION
	SILT FENCE PER BSD-1233
	AREAS/ITEMS TO BE REMOVED
	CATCHBASIN SILTATION INSERT
	BORE HOLE LOCATIONS

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SILTATION AND EROSION CONTROL PLAN		DESIGN: DJR	FILE: 416417	DWG: SC-1																					
		DRAWN: DDOH	DATE: MAR 2017																						
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GENERAL NOTES

1. DRAWINGS

A. ALL DRAWINGS SHALL BE PRODUCED IN ACCORDANCE WITH CURRENT CITY OF BARRIE STANDARDS & SYMBOLS FOR PLAN & PROFILE DRAWINGS, GENERAL SERVICE PLANS AND LOT GRADING PLANS.

2. MEASUREMENTS

A. ALL DIMENSIONS ARE IN METRES, EXCEPT PIPE DIAMETERS, WHICH ARE IN MILLIMETRES, UNLESS SPECIFIED OTHERWISE.

3. GENERAL

A. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT CITY OF BARRIE STANDARD DRAWINGS (BSD) AND ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD).

B. ORDER OF PRECEDENCE OF STANDARD DRAWINGS IS FIRSTLY CITY OF BARRIE STANDARD DRAWINGS (BSD) AND SECONDLY ONTARIO PROVINCIAL STANDARD DRAWINGS (OPSD).

C. LOCATION OF EXISTING SERVICES ARE NOT GUARANTEED. THE CONTRACTOR IS REQUIRED TO NOTIFY THE VARIOUS UTILITY COMPANIES 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK.

D. A ROAD OCCUPANCY PERMIT IS REQUIRED FROM THE ROADS AND PARKS OPERATIONS BRANCH PRIOR TO THE COMMENCEMENT OF WORK WITHIN ANY CITY RIGHT-OF-WAY.

E. A SITE ALTERATION PERMIT IS REQUIRED FROM THE ENGINEERING DEPARTMENT PRIOR TO THE COMMENCEMENT OF ANY EARTH WORKS ON THE SITE.

F. NATIVE MATERIAL, SUITABLE FOR BACKFILL, SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.

G. GRANULAR MATERIAL, USED FOR BACKFILL, SHALL BE PLACED IN LAYERS 150mm IN DEPTH MAXIMUM AND COMPACTED TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.

H. ALL DISTURBED AREAS ARE TO BE REINSTATED TO THEIR ORIGINAL CONDITION OR BETTER, AS DETERMINED BY THE CITY ENGINEERING DEPARTMENT.

I. ALL SILT CONTROL AND EROSION PROTECTION DEVICES ARE TO BE IN PLACE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND THE GRASS HAS ESTABLISHED GROWTH, SUBJECT TO APPROVAL BY THE CITY ENGINEERING DEPARTMENT.

CITY OF BARRIE STANDARD							
	3.	3. NOTE: 3.E. REVISED & 3.I. ADDED	J.S.	05.01.10	APR'D:	R.G.N.	DATE: 92.05.15
	2.	3.D. - "ENGINEERING DEPARTMENT"	B.R.	02.10.28	DRAWN:	L.A.J.	SCALE: N.T.S.
	1.	3.E. TOPSOIL PERMIT		01.12.06			
NO.		REVISION	APR'D	DATE			BSD-N6

GENERAL NOTES - STORM SEWER

STORM SEWER

A. STORM SEWER TO BE PROVIDED ON ALL ROADS WITH CURB AND GUTTER.

B. PLACE ALL CATCH BASIN LATERALS AT 2% GRADE UNLESS OTHERWISE NOTED. PIPE SIZE MINIMUM 250mm DIA. SINGLE, 300mm DIA. DOUBLE.

C. STORM SEWERS SHALL BE CONSTRUCTED WITH BEDDING AS PER OPSD-802.010 (GRAN. 'A' EMBEDMENT MATERIAL) FOR FLEXIBLE PIPES AND OPSD-802.030 OR 802.031 CLASS B (GRAN. 'A' BEDDING MATERIAL) FOR RIGID PIPE UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF ENGINEERING.

D. MAINTENANCE HOLE TOPS (FRAMES) AND CATCH BASIN (FRAMES) ARE TO BE SET TO BASE COURSE ASPHALT GRADE AND THEN ADJUSTED TO FINAL GRADE WHEN THE TOP LIFT OF ASPHALT IS PLACED. ALL ADJUSTMENT WILL BE ACCORDANCE WITH BSD-N2.

E. STORM SEWER TO BE LOCATED OFFSET 3.0m SOUTH OR EAST OF CENTRELINE UNLESS OTHERWISE SPECIFIED.

F. ALL CONNECTIONS TO THE STORM MAIN SHALL BE MADE WITH A STORM MANHOLE OR APPROVED FACTORY TEE CONNECTION AS PER OPSD-708.01 OR 708.03.

G. PIPE MATERIAL TO BE REINFORCED CONCRETE WITH A MINIMUM STRENGTH OF 50 N/m/mm CERTIFIED TO C.S.A. STANDARD A247.2-1982, CLASS 50-D (PREVIOUSLY C.S.A. STANDARD A257.2-1974, CLASS II) OR PVC CERTIFIED TO C.S.A. STANDARDS 182.2 AND 182.4.

H. STORM SEWER TO BE MINIMUM 300mm DIAMETER WITH JOINTS CONFORMING TO C.S.A. STANDARD A257.3.

I. ALL PIPE BEDDING MUST CONFORM TO OPSD, MAXIMUM COVER TABLE. NO FLEXIBLE PIPE SEWERS WILL BE INSTALLED WITH A DEPTH OF COVER GREATER THAN 6 METRES UNLESS SPECIFICALLY APPROVED BY THE DIRECTOR OF ENGINEERING.

J. ALL PIPE HANDLING INSTALLATIONS MUST BE IN STRICT COMPLIANCE WITH MANUFACTURES INSTALLATION GUIDES AND THE O.C.P.A. OR UNIBELL GUIDELINES.

K. SUMP PUMP DISCHARGE PIPING IN BOULEVARD: IN THE EVENT OF OVERACTIVE SUMP PUMP ACTIVITY, A 150mm DIAMETER PVC DR-28 SEWER MAY BE INSTALLED, WHEN SO DIRECTED BY THE DIRECTOR OF ENGINEERING, ALONG THE FRONTAGES OF DESIGNATED LOTS, WITH AN OFFSET OF 0.6m FROM BACK OF CURB. THIS SEWER IS TO BE CAPPED AT THE UPSTREAM END AND IS TO OUTLET INTO THE NEAREST CATCHBASIN DOWNSTREAM. DEPTH OF SEWER IS TO BE EQUAL TO SUBDRAIN DEPTH. NOT TO BE DIRECTLY CONNECTED TO FOUNDATION DRAINS.

CITY OF BARRIE STANDARD							
	4.	NOTE 'K' - SUMP PUMP DISCHARGE PIPING	B.R.	2003.01.07	APR'D:	R.G.N.	DATE: 92.05.15
	3.	NOTE 'Y' & 'C' - "DIRECTOR OF ENGINEERING"	B.R.	2002.10.28			
	2.	NOTE 'C' OPSD NUMBER REVISION	K.C.	2000.03.16	DRAWN:	L.A.J.	SCALE: N.T.S.
	1.	NOTE 'D' CHANGED	K.C.	98.03.30			
NO.		REVISION	APR'D	DATE			BSD-N5

GENERAL NOTES - WATERMAIN

1. CONTRACTORS SHALL INFORM THE CITY OF BARRIE WATER OPERATIONS DEPARTMENT A MINIMUM OF 48 HOURS IN ADVANCE OF THEIR INTENTIONS TO PERFORM WORK ON WATER INFRASTRUCTURE.

2. OPERATION OF HYDRANTS AND VALVES ON THE POTABLE WATER SYSTEM BY OTHER THAN QUALIFIED WATER OPERATIONS STAFF IS PROHIBITED BY CURRENT BY-LAW. CITY SERVICE FEES ARE PER THE CURRENT FEES BY-LAW. THE CITY'S WATER OPERATIONS STAFF WILL SWAB, PRESSURE TEST, CHLORINATE AND FLUSH ALL NEW WATERMAINS.

3. MINIMUM COVER OVER WATERMAIN SHALL BE 1.7m. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATERMAIN AND SEWERS SHALL BE 2.5m WHERE WATERMAIN CONFLICTS WITH SEWER PIPES. DEFLECT WATERMAIN HORIZONTALLY OR VERTICALLY WHILE PROVIDING A MINIMUM OF 0.5m CLEARANCE BETWEEN WATERMAIN AND SEWERS. MAINTAIN MINIMUM DEPTH OF COVER AT ALL TIMES.

4. WATERMAIN SHALL BE INSTALLED IN BEDDING AS PER OPSD 802.010 (GRANULAR 'A' EMBEDMENT MATERIAL) FOR FLEXIBLE PIPES AND OPSD 802.030 OR 802.031 CLASS 'B' (GRANULAR 'A' BEDDING MATERIAL, GRANULAR 'A' OR SELECT NATIVE COVER MATERIAL) FOR RIGID PIPE UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF WATER OPERATIONS. ALTERNATIVE EMBEDMENT MATERIAL - SAND MEETING GRADATION REQUIREMENTS OF OPSD-MUM 1004.05.07 COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY IS PERMISSIBLE WHERE NOTED IN STANDARD DETAILS. GEOTECHNICAL CERTIFICATION OF MATERIAL AND COMPACTION TESTING MUST BE PROVIDED EVERY 150 METRES. THE COMPACTION TESTING MUST INCLUDE THE ENTIRE EMBEDMENT ENVELOPE (HAUNCHES, BEDDING, TOP OF PIPE AND COVER).

5. COPPER WATER MAINS AND SERVICES 25mm TO 50mm IN DIAMETER SHALL BE EMBEDDED IN SAND 100mm ABOVE AND BELOW TO CONFORM TO OPSD-MUM 1004.05.07.

6. RESTRAINING WALL BE REQUIRED ON ALL HYDRANTS, THRUST BLOCKS, AS PER OPSD 1103.010 AND 1103.020. RESTRAINING DEVICES MAY BE REQUIRED IN ADDITION TO STANDARD CONCRETE THRUST BLOCKING WHERE SOIL CONDITIONS WARRANT AT THE CITY'S DISCRETION.

7. NEW WATERMAINS TO BE PVC DR18 CL150 MINIMUM, DUCTILE IRON CL52 AS PER THE APPROVED MANUFACTURERS PRODUCTS FOR LINEAR WATER SYSTEMS LIST.

8. TRACING WIRE SHALL BE #12 AWG HIGH STRENGTH COPPER CLAD (HS-CSS) AND SHALL BE INSTALLED ON THE TOTAL LENGTH OF ALL WATERMAIN AND BROUGHT UP AT EACH HYDRANT AND CONNECTED TO FLANGE BOLT. ALL SPLICES TO UTILIZE CONNECTORS AS PER THE APPROVED MANUFACTURERS PRODUCTS FOR LINEAR WATER SYSTEMS LIST.

9. ALL WATER SERVICES SHALL BE MINIMUM 25mm TYPE 'K' COPPER OR 25mm CROSS-LINKED POLYETHYLENE UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF WATER OPERATIONS. WATER SERVICE SADDLES SHALL BE USED WHEN TAPPING INTO PVC WATERMAIN.

10. SERVICE TAPPINGS SHALL BE PLACED AT A MINIMUM SEPARATION OF 1.0m AND A MINIMUM OF 0.6m FROM JOINTS. (ENDS OF PIPE)

11. RISER PIPES ARE TO BE INSTALLED AS PER BSD-510, AND REMOVED AS DIRECTED. SWABBING SCHEDULE TO BE SUPPLIED BY A WATER OPERATIONS FIELD REPRESENTATIVE. ALL RISERS ARE TO BE RESTRAINED OR THRUST BLOCKED.

12. ALL NEW CURB STOPS AND BOXES TO BE LOCATED AT PROPERTY LINE AND OUT OF DRIVEWAYS AND SIDEWALKS.

City of BARRIE STANDARD DETAIL							
	REV No.	DATE: MAY 2015					
	2	SCALE: N.T.S.					
		BSD-500					

GENERAL NOTES - SANITARY SEWER

SANITARY SEWERS

A. SEWERS SHALL BE CONSTRUCTED WITH BEDDINGS AS PER OPSD-802.010 (GRAN. 'A' EMBEDMENT MATERIAL) FOR FLEXIBLE PIPES AND OPSD-802.030 OR 802.031 CLASS B (GRAN. 'A' BEDDING MATERIAL) FOR RIGID PIPE UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF ENGINEERING.

B. MAXIMUM DEFLECTION FROM COMBINED LIVE AND DEAD LOADING SHALL NOT EXCEED ANY C.S.A., O.P.S. OR MANUFACTURERS RECOMMENDED SPECIFICATIONS.

C. PVC, CONCRETE AND PROFILE WALL PVC SEWERS SHALL HAVE RUBBER GASKET TYPE JOINTS AND SHALL BE CERTIFIED TO CONFORM TO ALL APPLICABLE CURRENT C.S.A. SPECIFICATIONS.

D. CONCRETE SANITARY SEWERS SHALL HAVE A MINIMUM STRENGTH OF 50 N/m/mm CONFORMING TO CSA STANDARD A257.2-1982, CLASS 50-D (PREVIOUSLY C.S.A. STANDARD A257.2-1974, CLASS II).

E. MAINTENANCE HOLE TOPS (FRAMES) ARE TO BE SET TO BASE COURSE ASPHALT GRADE AND THEN ADJUSTED TO FINAL GRADE WHEN THE TOP LIFT OF ASPHALT IS PLACED. ALL ADJUSTMENT WILL BE ACCORDANCE WITH BSD-N2.

F. ALL CONNECTIONS TO NEW SANITARY MAINS SHALL BE PRE-MANUFACTURED, FABRICATED TEES. CONNECTIONS TO EXISTING SANITARY SEWER SHALL BE MADE WITH APPROVED FACTORY MADE TEES OR INSERTA-TEES IN STRICT ACCORDANCE TO MANUFACTURES GUIDELINES.

CITY OF BARRIE STANDARD							
	4.	NOTE 'B' - "ENGINEERING"	B.R.	2002.10.28	APR'D:	R.G.N.	DATE: 92.05.15
	3.	NOTE 'B' OPSD NUMBER REVISION	K.C.	2000.03.16			
	2.	NOTE 'F' CHANGED	K.C.	98.03.30	DRAWN:	L.A.J.	SCALE: N.T.S.
	1.	CHANGES TO B. TO G.	K.C.	95.04.24			
NO.		REVISION	APR'D	DATE			BSD-N3

DISCLAIMER AND COPYRIGHT

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BENCHMARKS

SITE BENCHMARK IS THE TOP OF SPINDLE OF THE FIRE HYDRANT AT THE NORTH SIDE OF LILLIAN CRESCENT HAVING AN ELEVATION OF 280.43.

NOTES

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6.	REVISED AS PER CITY COMMENTS	NOV 05/19	
7.	ADD NOTES RE: ACCESSIBILITY	MAR 17/20	

ENGINEER STAMP

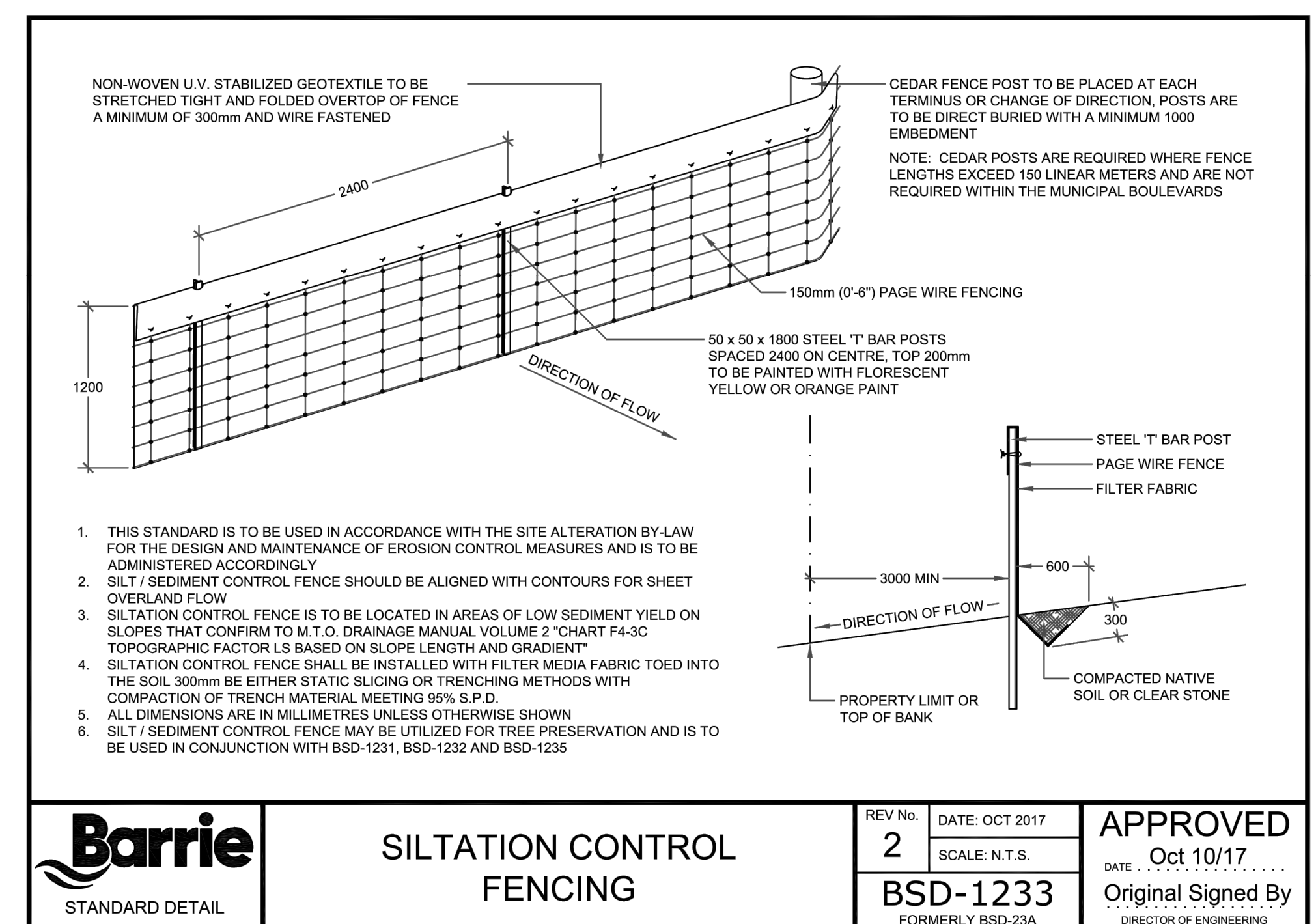
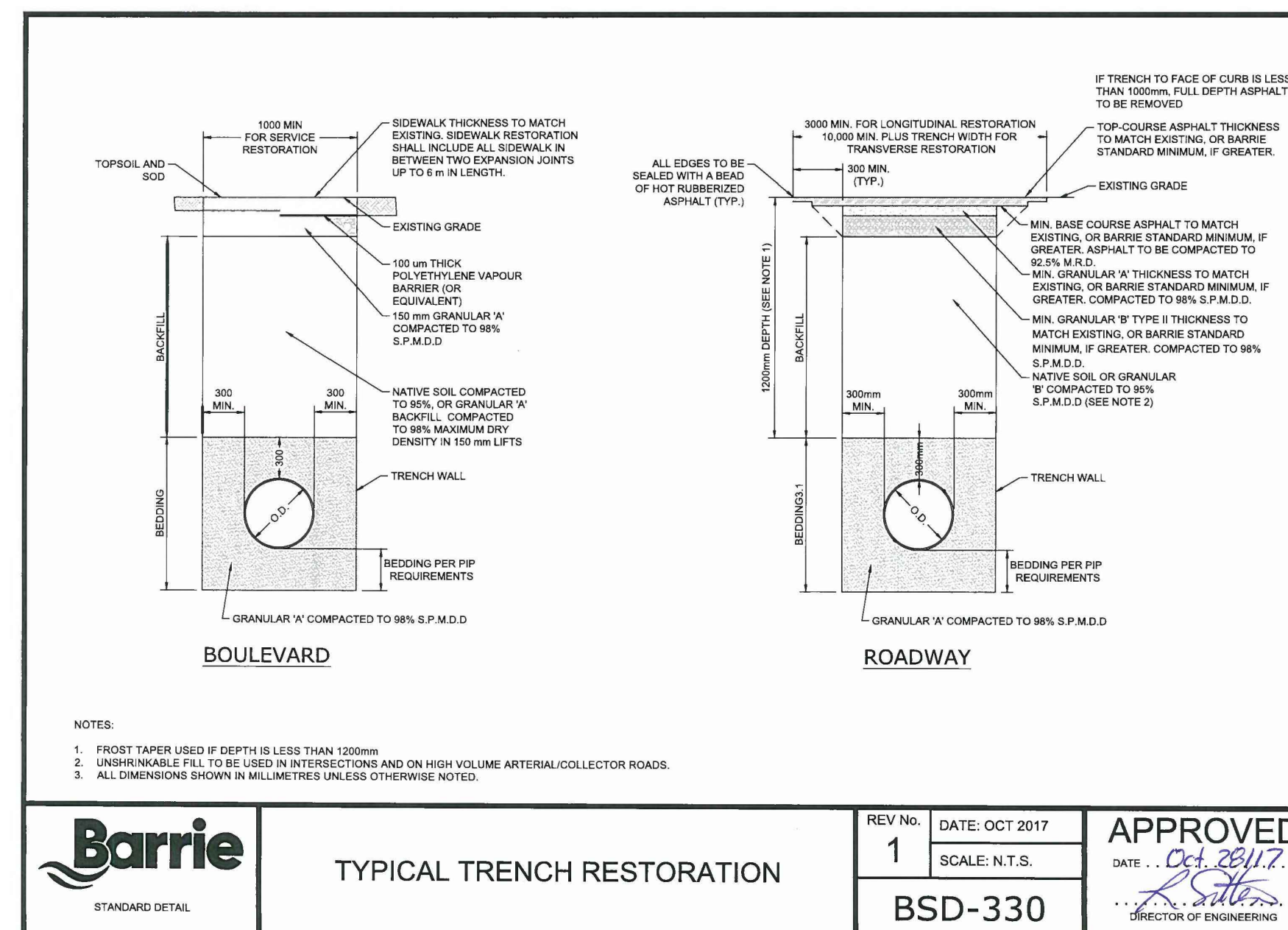
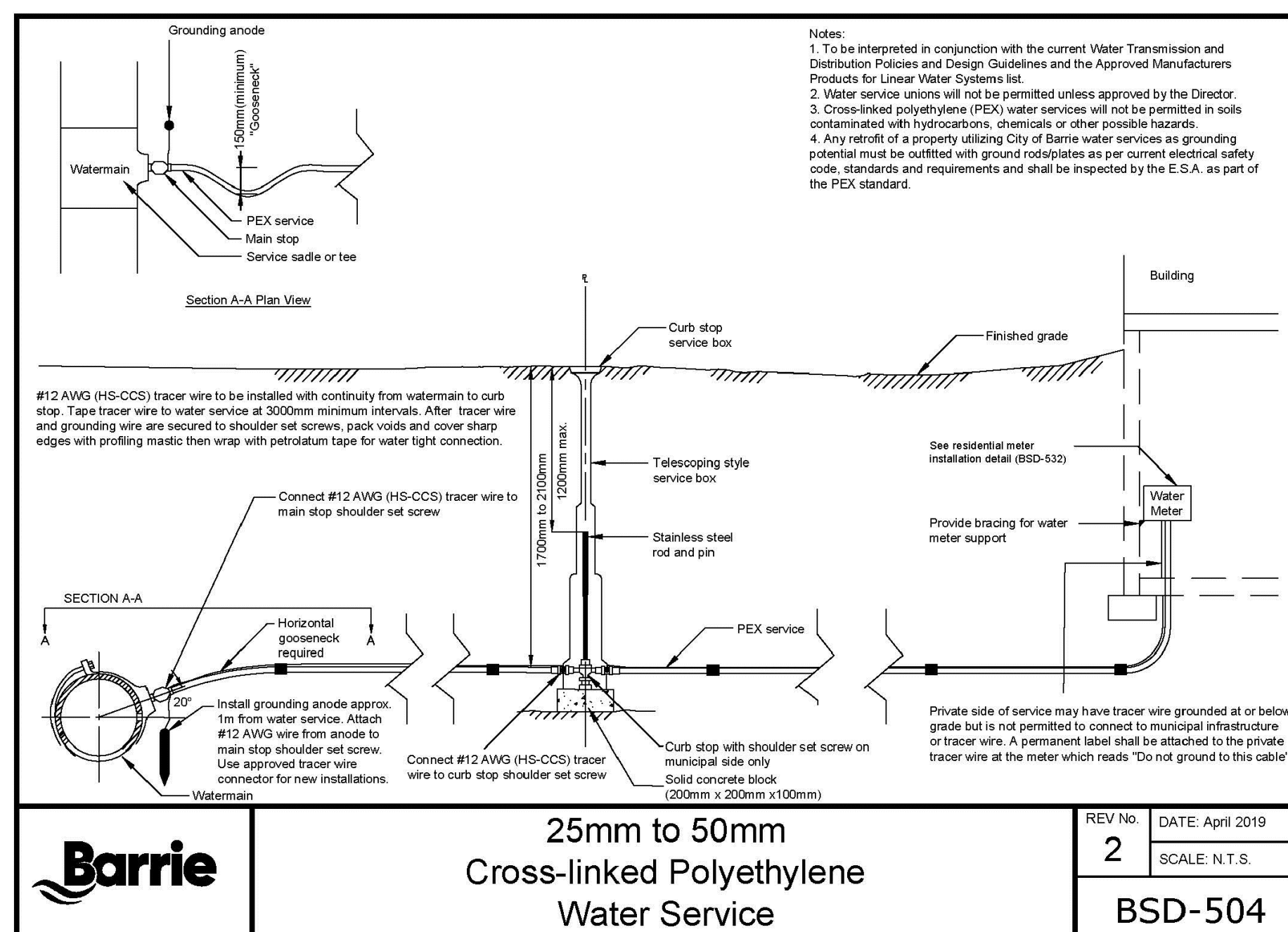
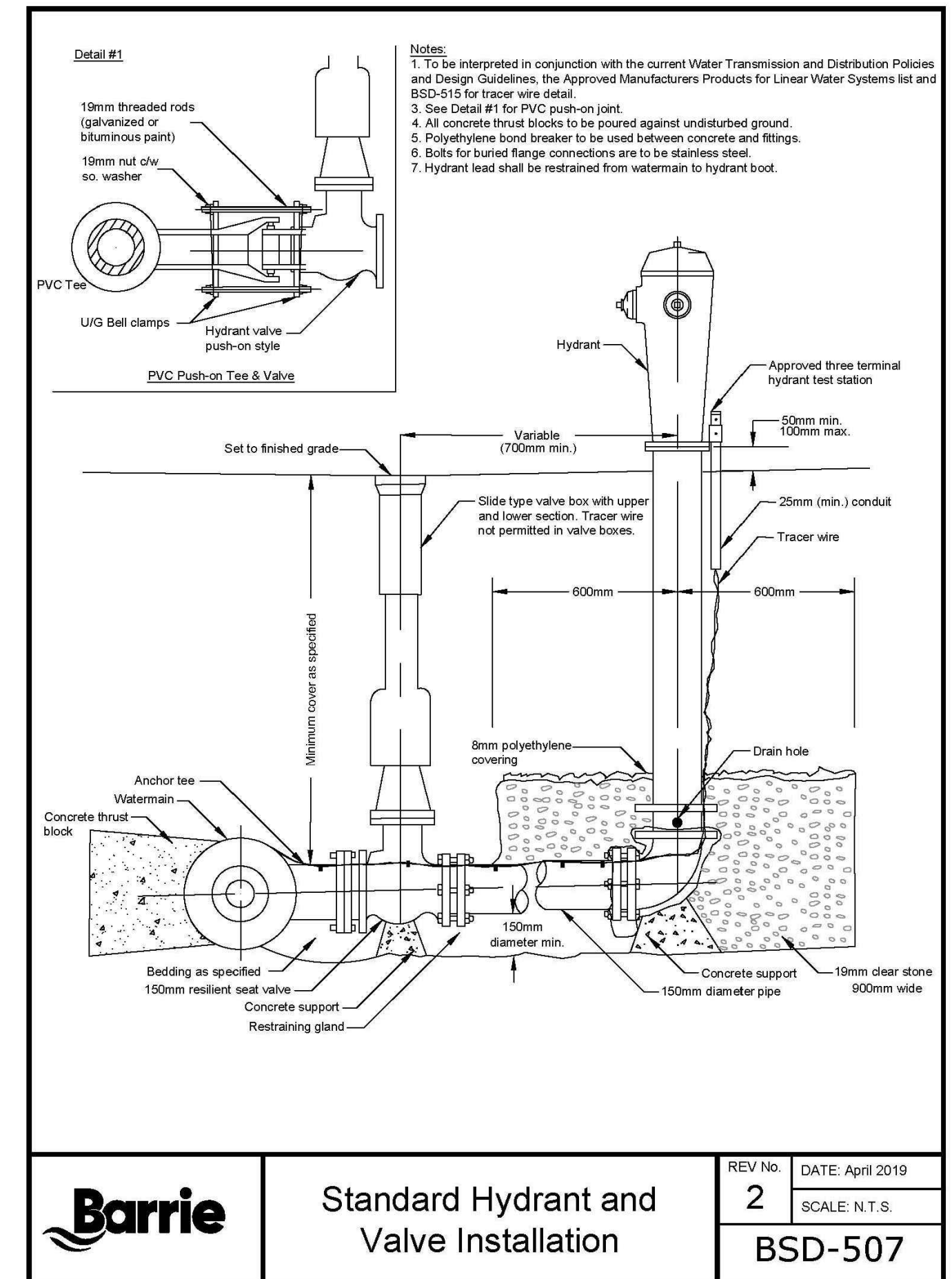
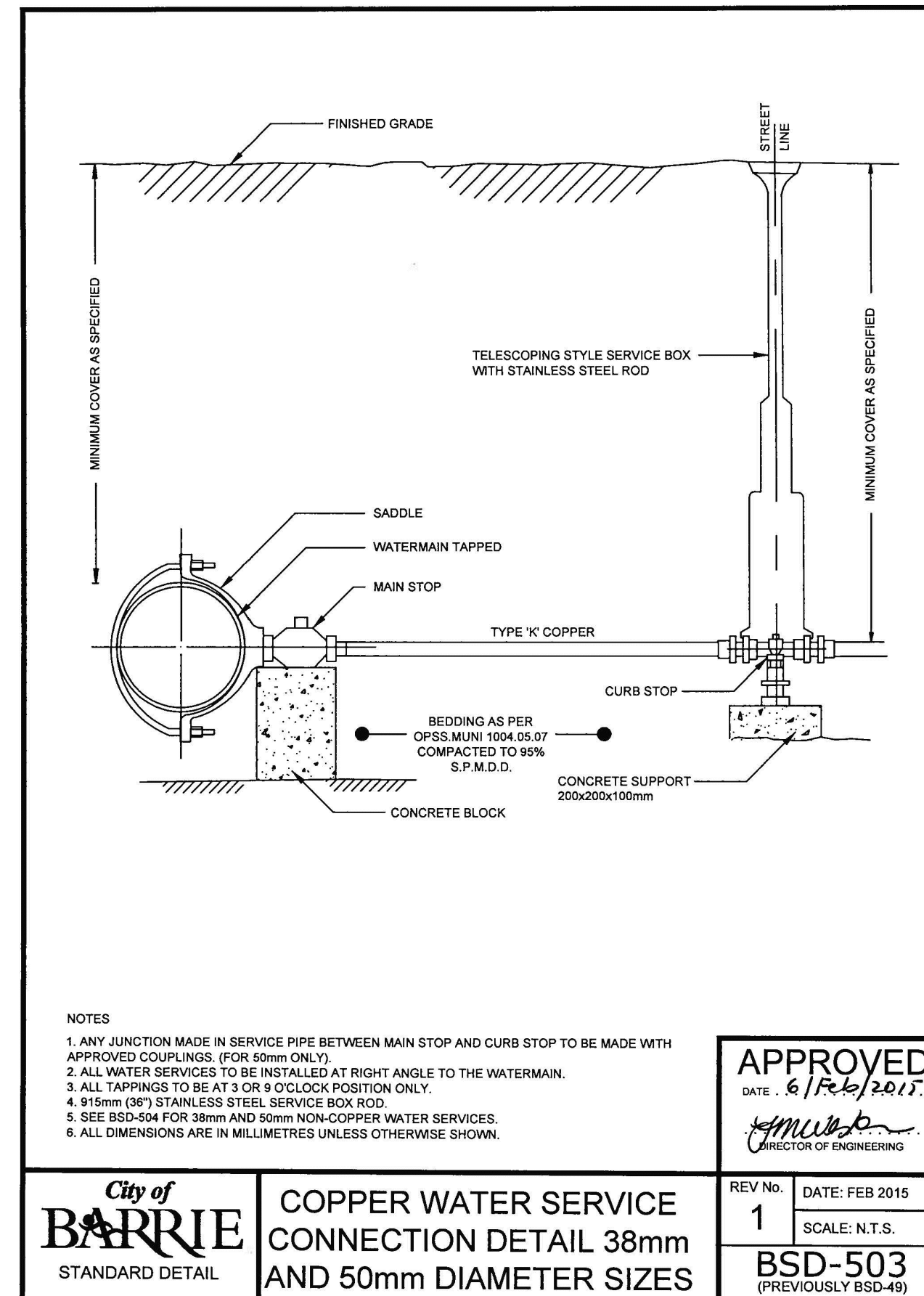
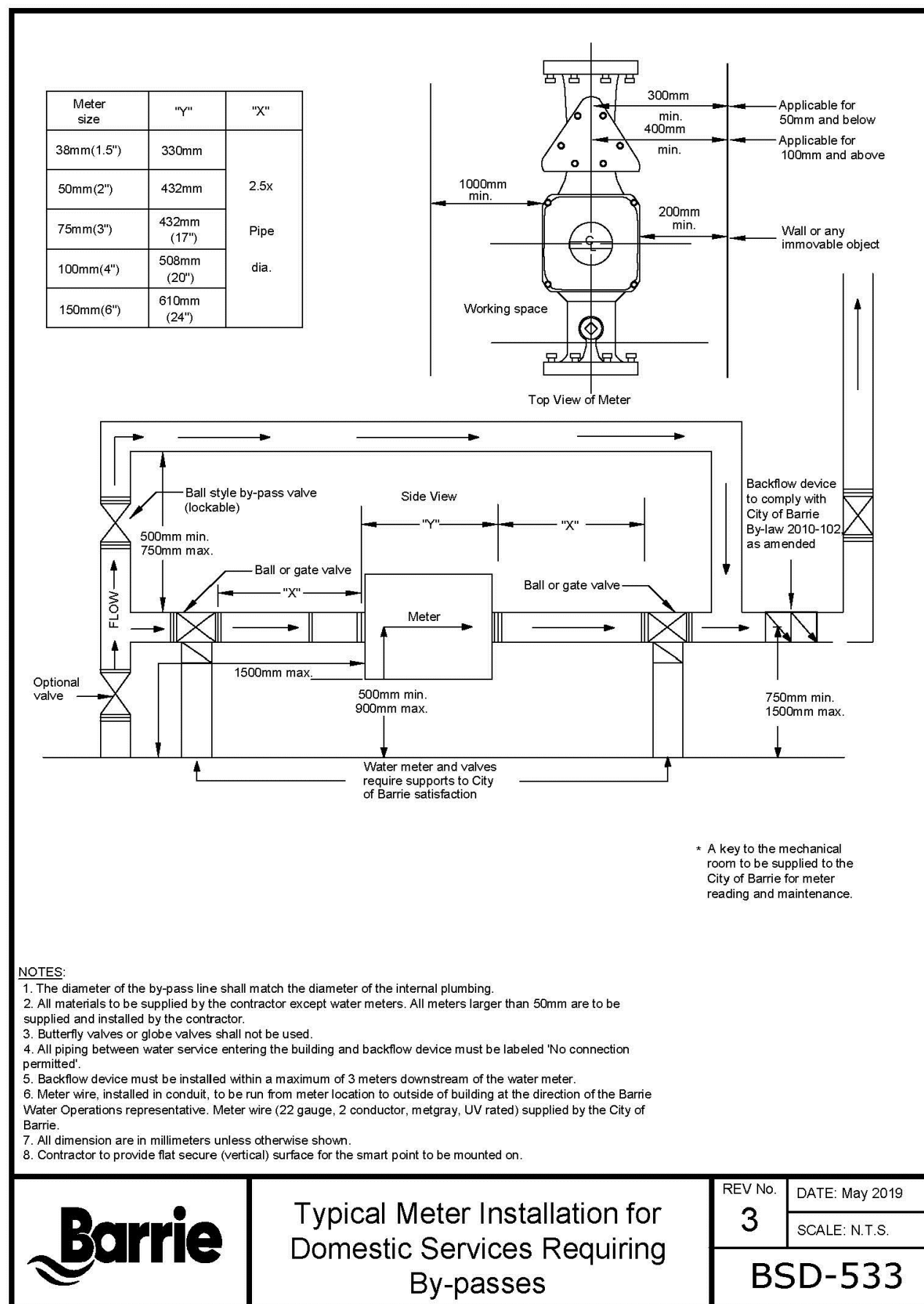
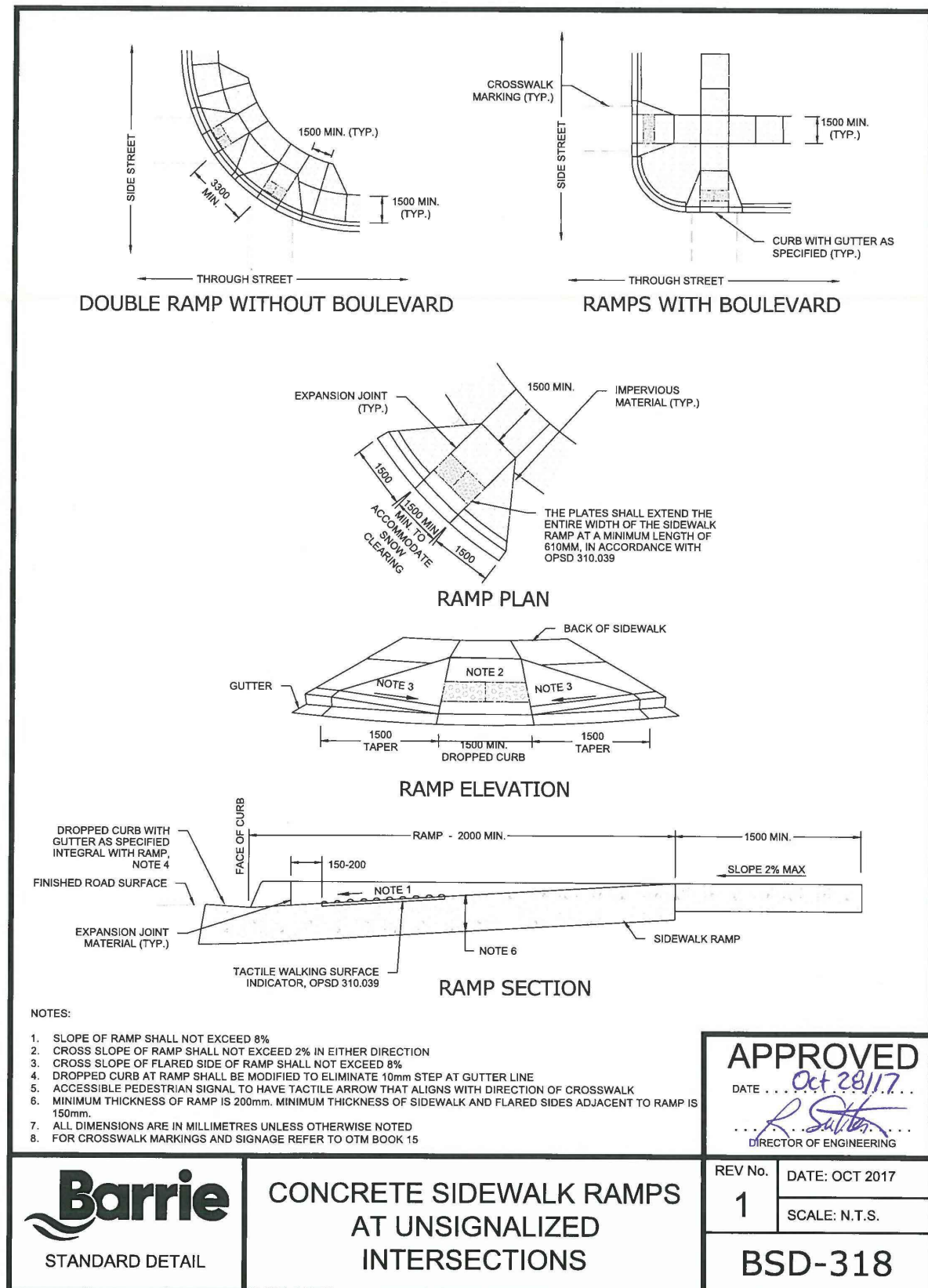


REDWOOD PARK COMMUNITIES CITY OF BARRIE



DETAILS AND NOTES SHEET 1

DESIGN: DJR	FILE: 416417	DWG:
DRAWN: DDOH	DATE: MAR 2017	DE-1
CHECK: BFS	SCALE: N.T.S.	

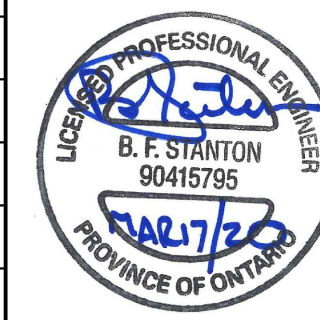


TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.

SITE BENCHMARK IS THE TOP OF SPINDLE OF THE FIRE
HYDRANT AT THE NORTH SIDE OF LILLIAN CRESCENT
HAVING AN ELEVATION OF 280.43.

ELEVATION ARE GEODETIC IN ORIGIN AND WERE DERIVED FROM SPECIFIED CONTROL POINTS 00119673109 (ELEVATION=220.21, CGVD-1928:1978) AND 03120080027 (ELEVATION=281.90, CGVD-1928:1978).

No.	REVISION DESCRIPTION	DATE
3.	SECOND SUBMISSION	JAN 16/18
4.	SUBMITTED FOR CITY APPROVAL	MAY 22/19
5.	REVISED AS PER CITY COMMENTS	OCT 17/19
6.	REVISED AS PER CITY COMMENTS	NOV 05/19
7.	ADD NOTES RE: ACCESSIBILITY	MAR 17/20



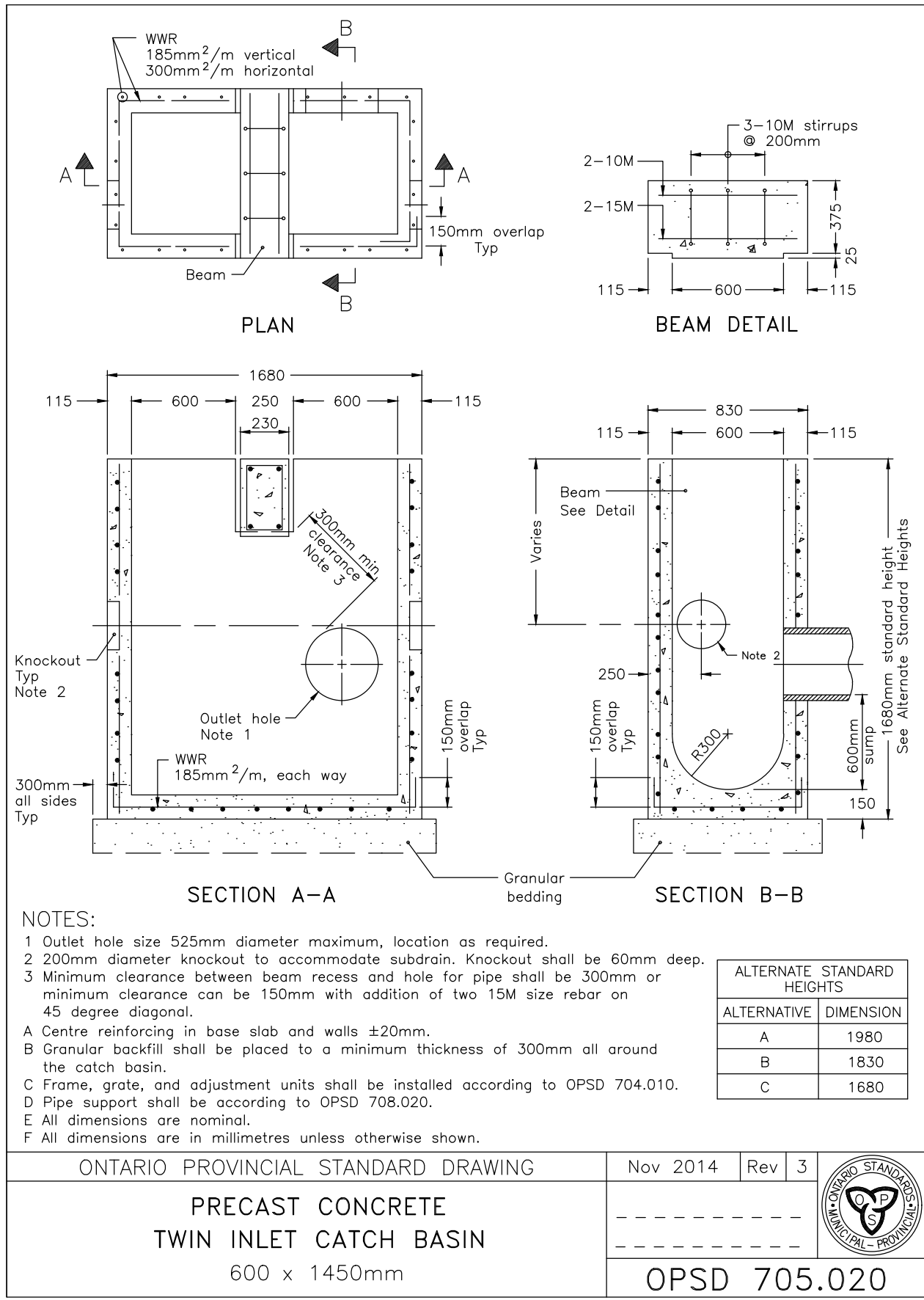
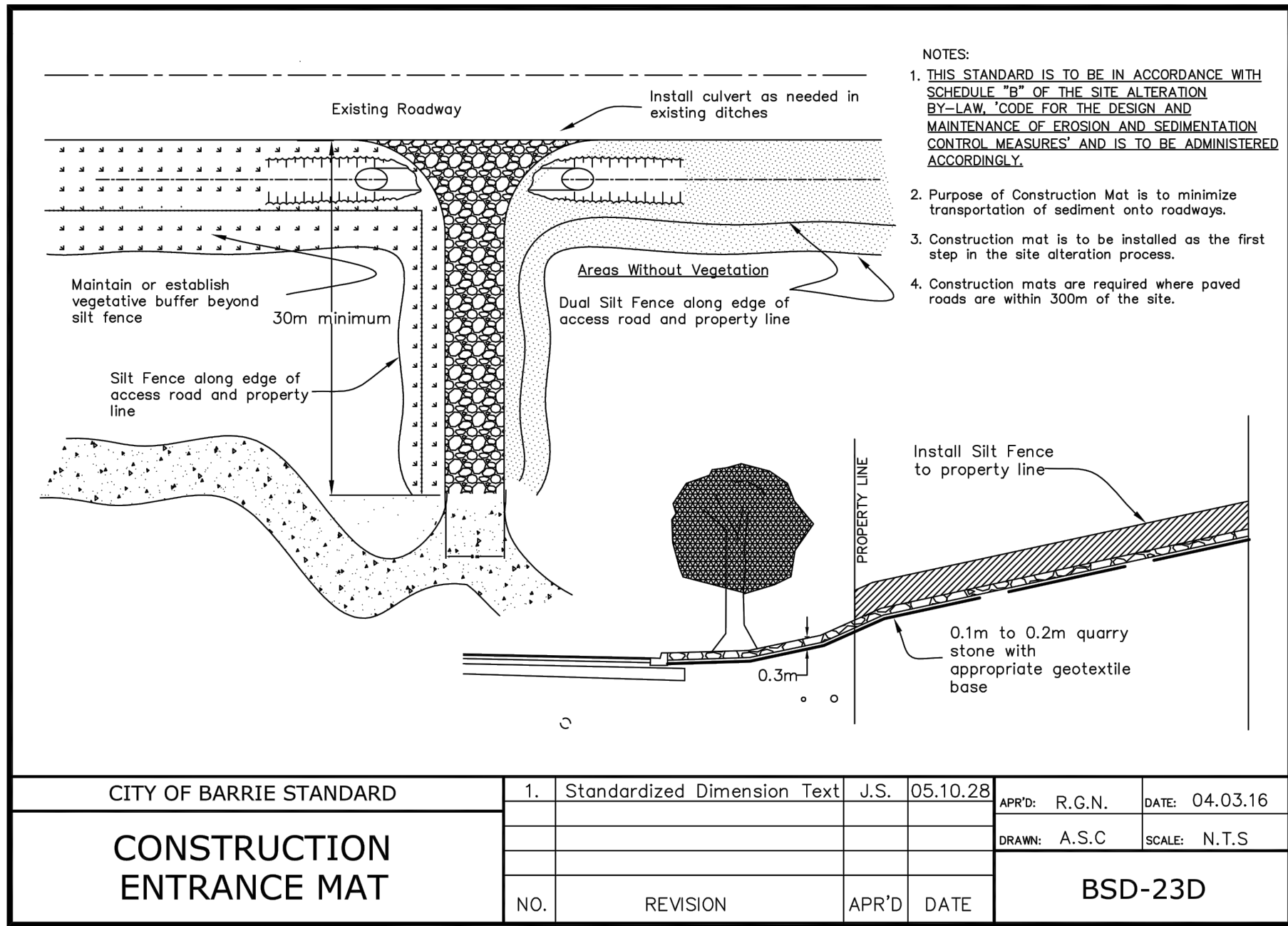
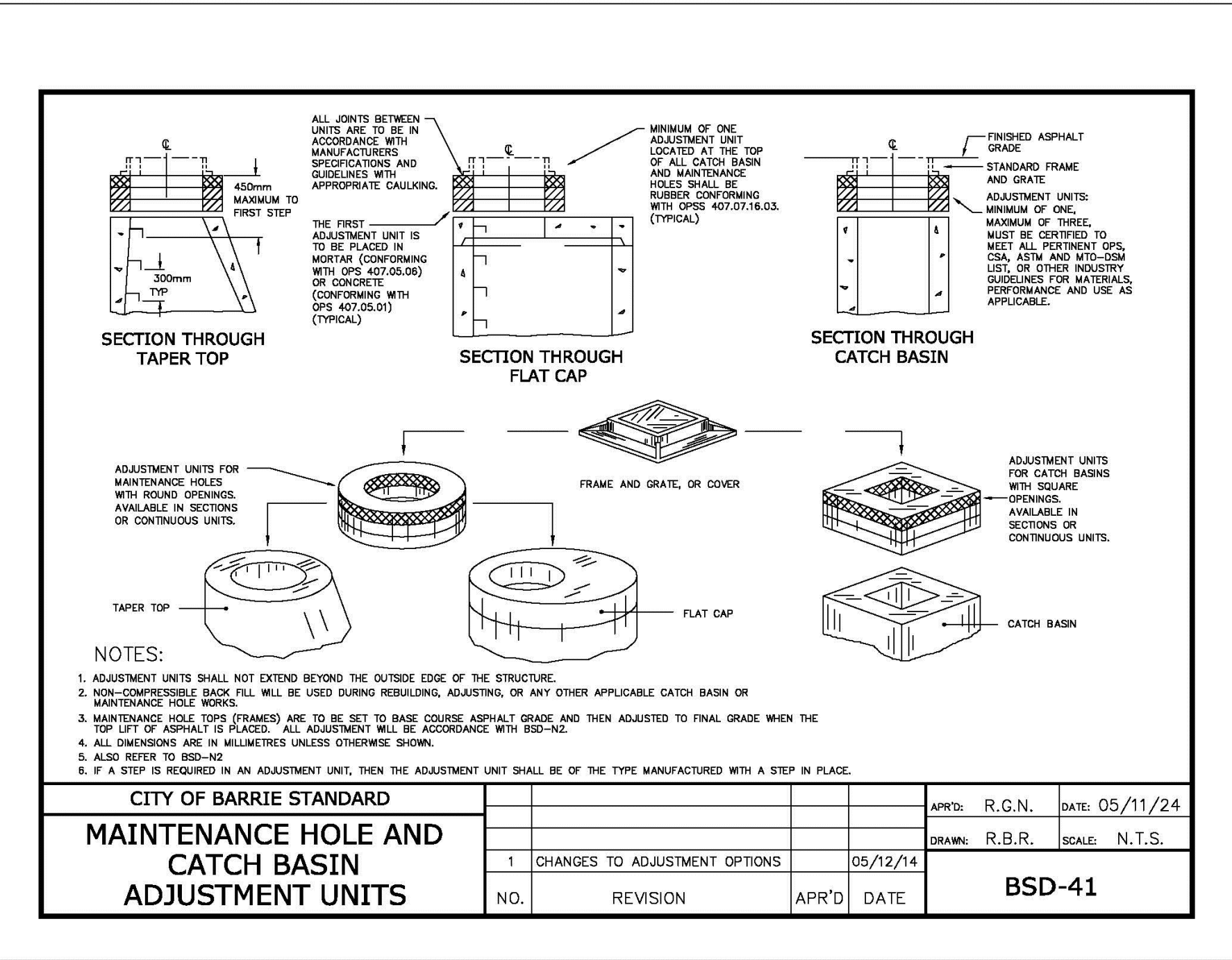
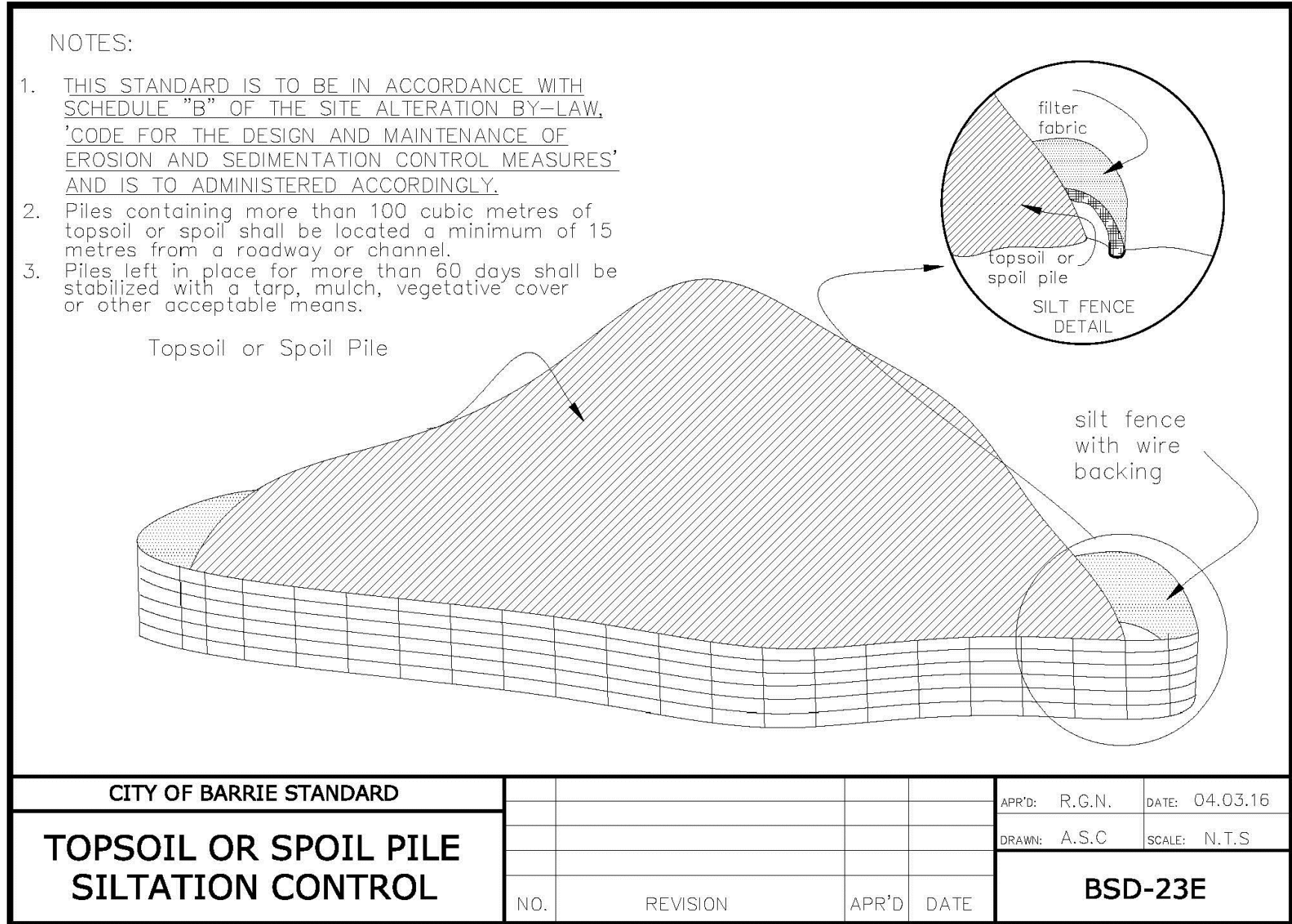
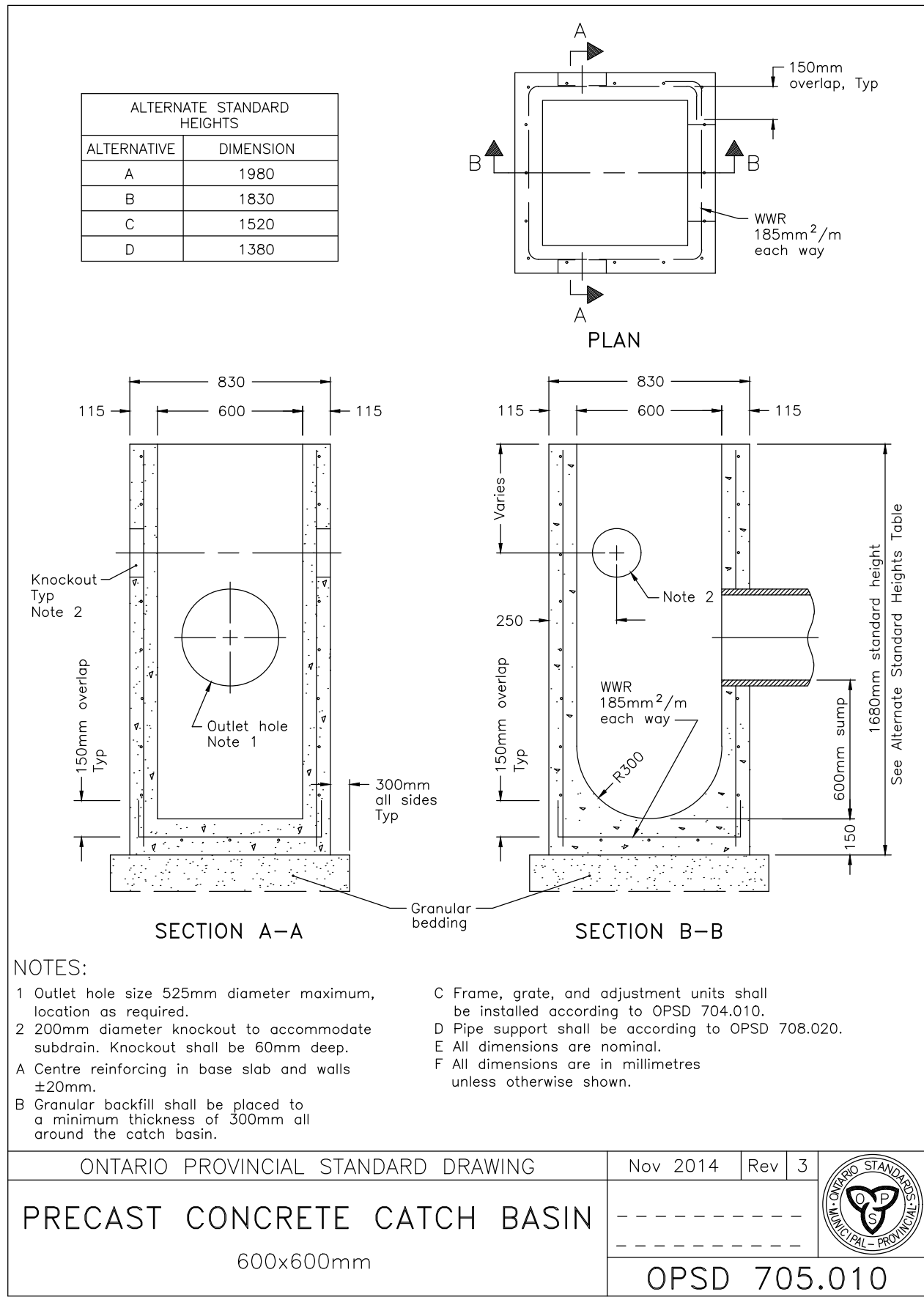
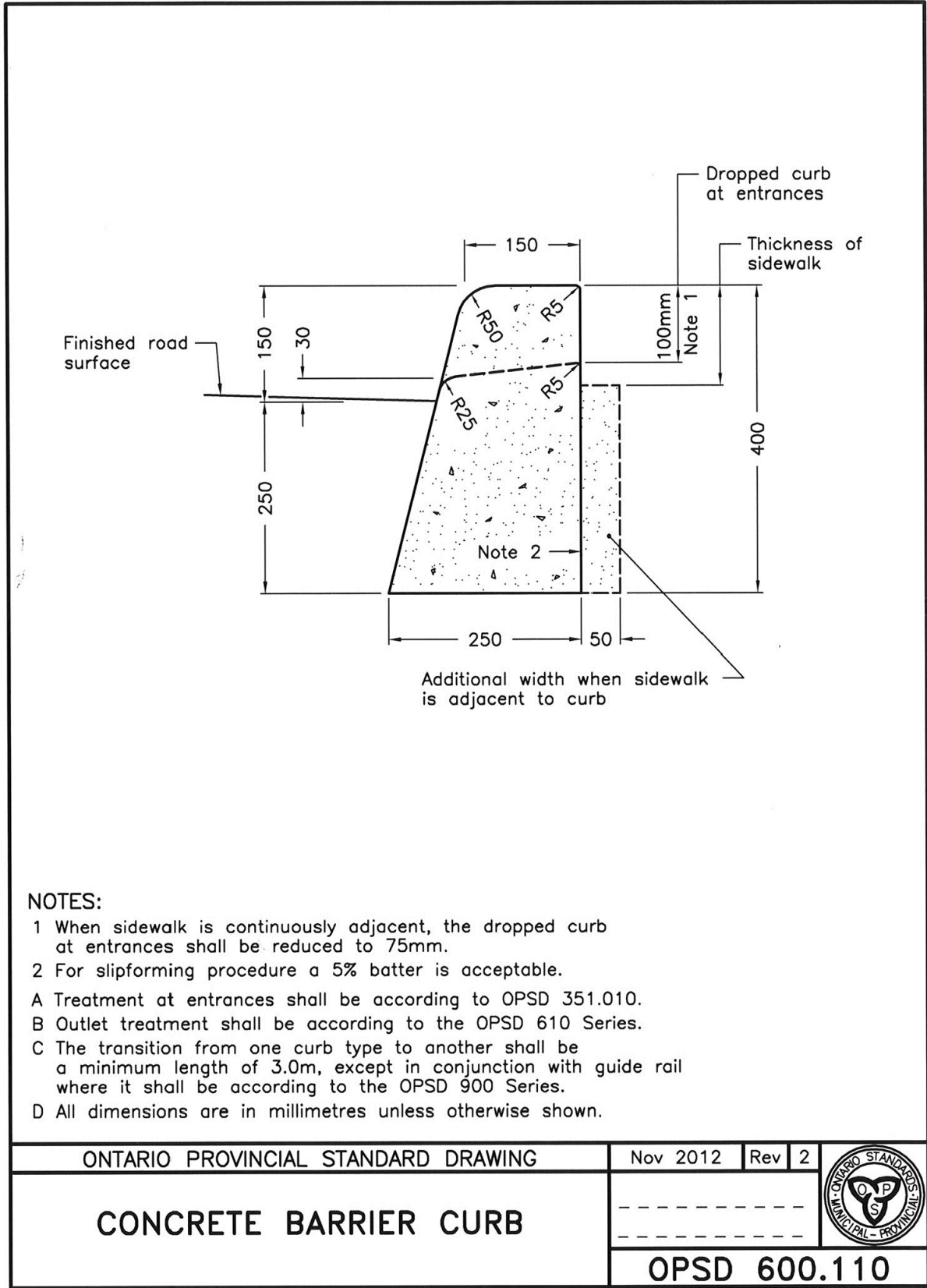
DETAILS AND NOTES SHEET 2

DESIGN: DJR	FILE: 416417	DWG:
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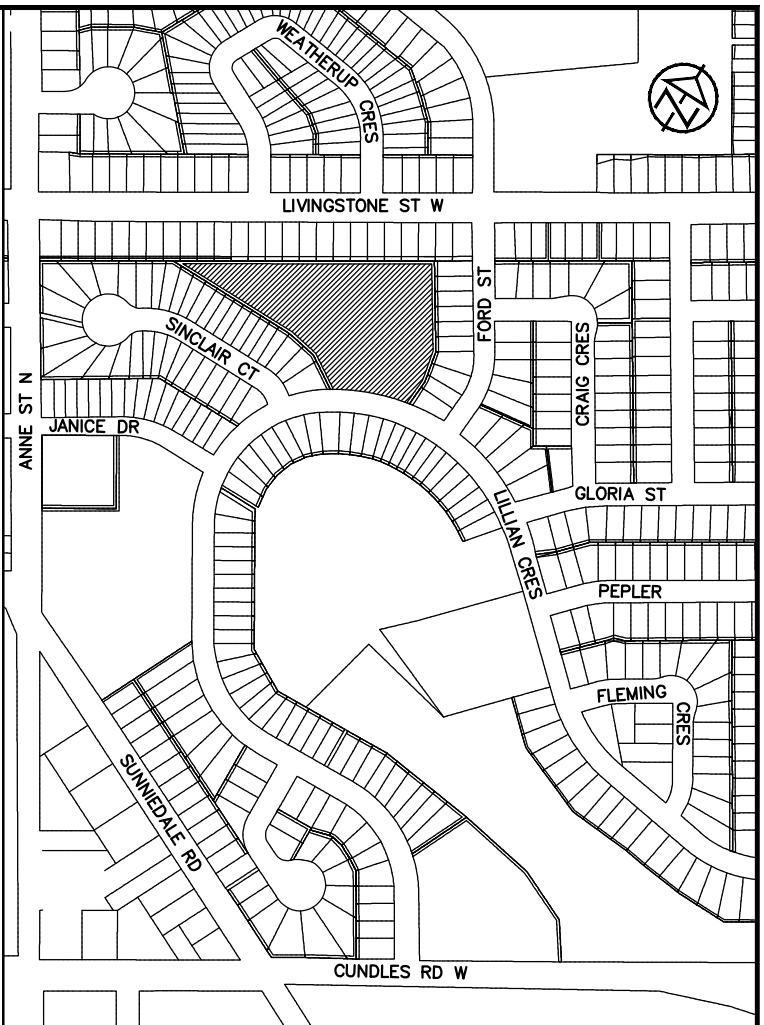
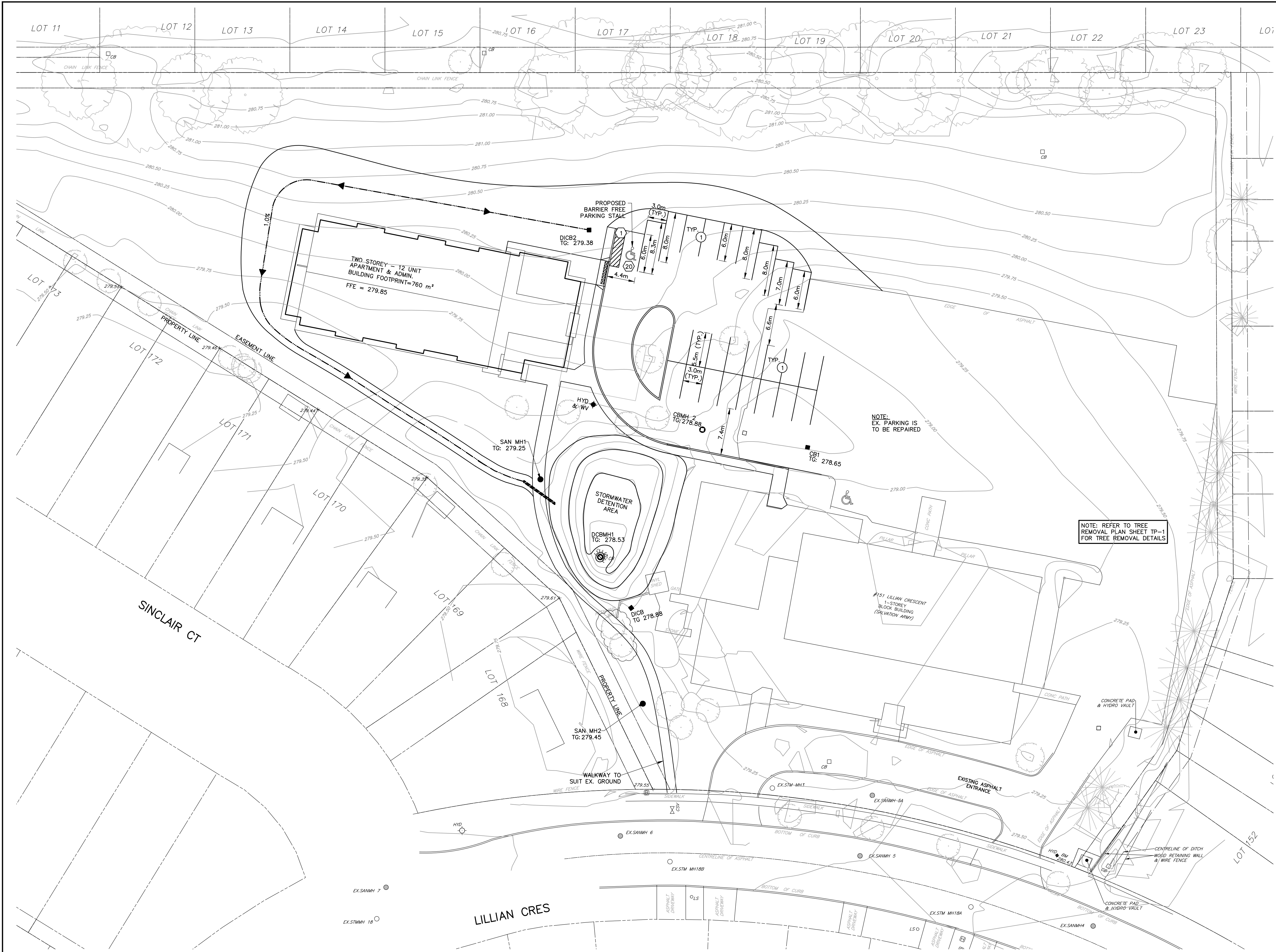
DRAWN: DDOW	DATE: MAR 3
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CHECK: BFS	SCALE: N.T.S.
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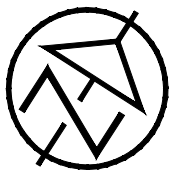
DE-2



DISCLAIMER AND COPYRIGHT CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED. TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED.		BENCHMARKS SITE BENCHMARK IS THE TOP OF SPINDLE OF THE FIRE HYDRANT AT THE NORTH SIDE OF LILLIAN CRESCENT HAVING AN ELEVATION OF 280.43.		NOTES ELEVATION ARE GEODETIC IN ORIGIN AND WERE DERIVED FROM SPECIFIED CONTROL POINTS 00119673109 (ELEVATION=220.21, CGVD-1928:1978) AND 03120080027 (ELEVATION=281.90, CGVD-1928:1978).		<table><tr><th>No.</th><th>REVISION DESCRIPTION</th><th>DATE</th></tr><tr><td>3.</td><td>SECOND SUBMISSION</td><td>JAN 16/18</td></tr><tr><td>4.</td><td>SUBMITTED FOR CITY APPROVAL</td><td>MAY 22/19</td></tr><tr><td>5.</td><td>REVISED AS PER CITY COMMENTS</td><td>OCT 17/19</td></tr><tr><td>6.</td><td>REVISED AS PER CITY COMMENTS</td><td>NOV 05/19</td></tr><tr><td>7.</td><td>ADD NOTES RE: ACCESSIBILITY</td><td>MAR 17/20</td></tr></table>		No.	REVISION DESCRIPTION	DATE	3.	SECOND SUBMISSION	JAN 16/18	4.	SUBMITTED FOR CITY APPROVAL	MAY 22/19	5.	REVISED AS PER CITY COMMENTS	OCT 17/19	6.	REVISED AS PER CITY COMMENTS	NOV 05/19	7.	ADD NOTES RE: ACCESSIBILITY	MAR 17/20	<table><tr><td colspan="2"></td><td>ENGINEER STAMP</td></tr></table>				ENGINEER STAMP	REDWOOD PARK COMMUNITIES CITY OF BARRIE			
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						DRAWN: DDOH		DATE: MAR 2017		DE-3																								
						CHECK: BFS		SCALE: N.T.S.																										



KEY PLAN
N.T.S.



LEGEND	
	EXISTING PROPERTY LINE
	EXISTING FIRE HYDRANT
	EXISTING MANHOLE
	EXISTING HYDROPOLE
	SITE BENCHMARK
	EXISTING CURB STOP VALVE
	EXISTING LIGHT STANDARD
	EXISTING CATCHBASIN
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	PROPOSED SWALE
	PROPOSED SAN MANHOLE
	PROPOSED CURB STOP VALVE
	PROPOSED CATCHBASIN MANHOLE
	PROPOSED STORM MANHOLE
	PROPOSED FIRE HYDRANT
	PROPOSED TACTILE PLATE AS PER OPSD 310.039

1	SOLID YELLOW,10cm
2	SOLID DOUBLE YELLOW,10cm
3	363 BROKEN YELLOW,10cm
4	SOLID YELLOW,20cm
5	SOLID WHITE,10cm
6	333 BROKEN WHITE,10cm
7	363 BROKEN WHITE,10cm
8	393 BROKEN WHITE,10cm
9	SOLID WHITE,20cm
10	111 BROKEN WHITE,10cm
11	333 BROKEN WHITE,20cm
12	333 BROKEN WHITE,30cm
13	SOLID WHITE,30cm
14	SOLID WHITE,45cm
15	SOLID WHITE,60cm
20	SYMBOLS
[]	LIMITS OF MARKINGS

- NOTES:
- 333, 363, 393, Denotes Pavement Marking Spacing (ie., 3 m line, 3 m gap, 3 m line)
 - ① Denotes PAVEMENT MARKING, PAINT
 - ② Denotes PAVEMENT MARKING, TEMPORARY
 - ③ Denotes PAVEMENT MARKING, TEMPORARY-REMOVABLE
 - ④ Denotes PAVEMENT MARKING, DURABLE

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PAVEMENT MARKING PLAN	DESIGN: DJR DRAWN: DDOH CHECK: BFS	FILE: 416417 DATE: MAR 2017 SCALE: 1:300	DWG: PM-1																					