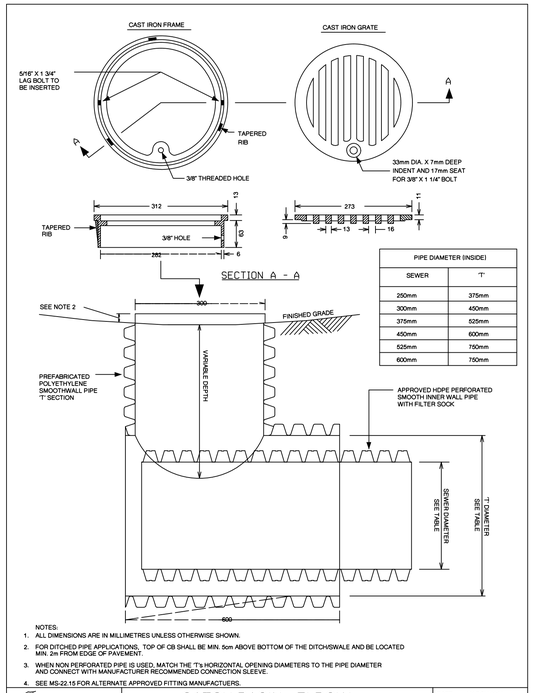
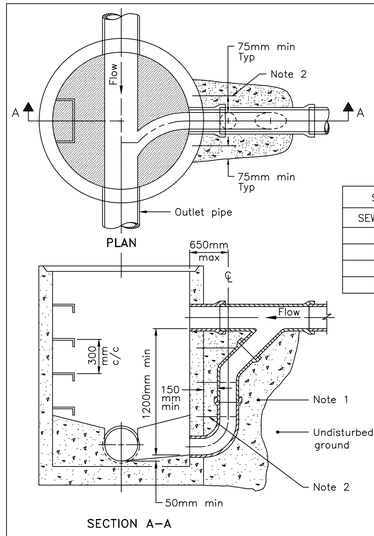


PIPE DIAMETER (INSIDE)	
SEWER	'T'
250mm	375mm
300mm	450mm
375mm	525mm
450mm	600mm
525mm	750mm
600mm	750mm

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
2. FOR DITCHED PIPE APPLICATIONS, TOP OF CB SHALL BE MIN. 5cm ABOVE BOTTOM OF THE DITCH/SWALE AND BE LOCATED MIN. 2m FROM EDGE OF PAVEMENT.
3. WHEN NON PERFORATED PIPE IS USED, MATCH THE 'T's HORIZONTAL OPENING DIAMETERS TO THE PIPE DIAMETER AND CONNECT WITH MANUFACTURER RECOMMENDED CONNECTION SLEEVE.
4. SEE MS-22.15 FOR ALTERNATE APPROVED FITTING MANUFACTUERS.

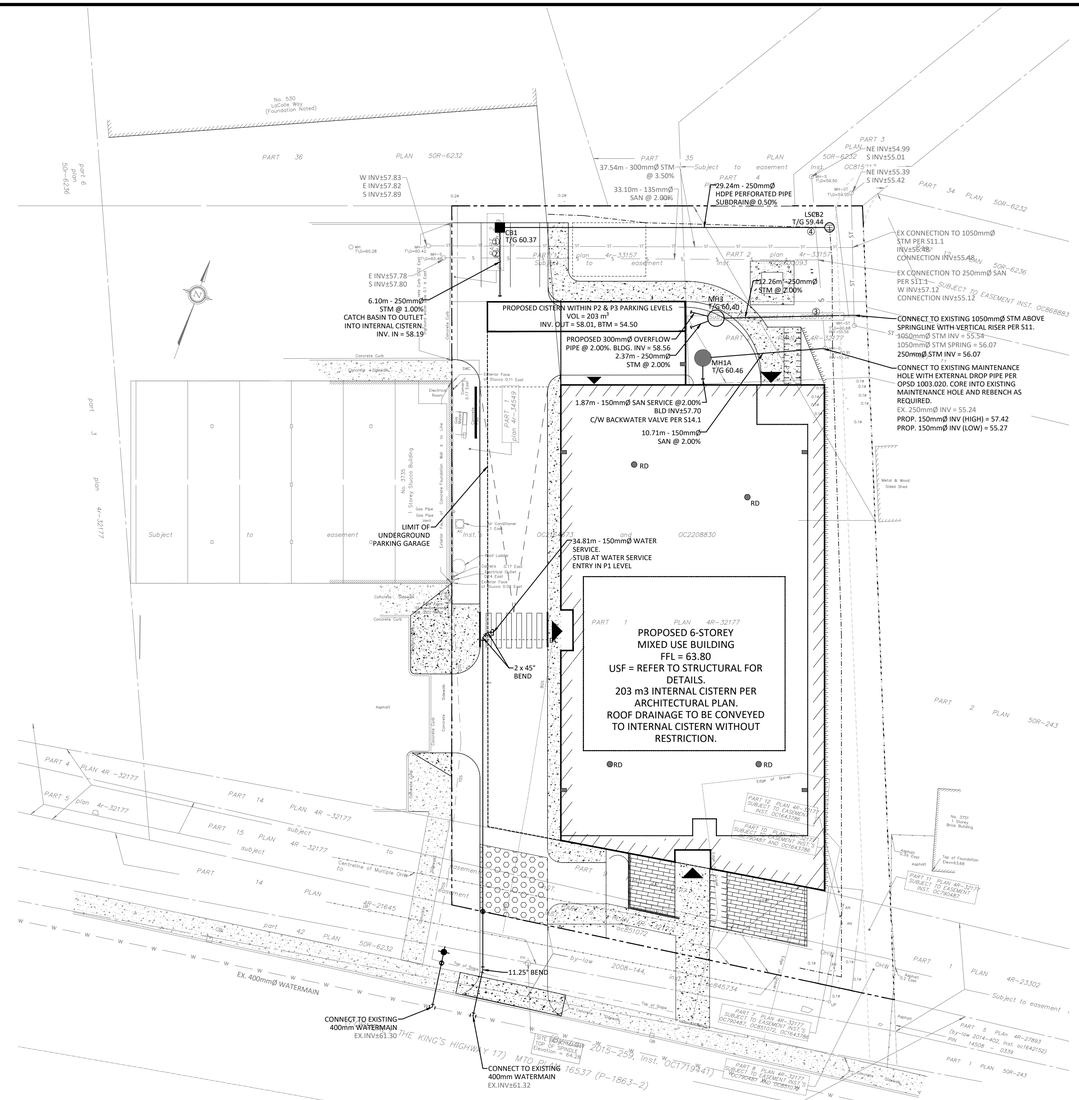
Ottawa	CATCH BASIN - ELBOW FOR REAR YARD, DITCHED PIPE AND LANDSCAPING APPLICATIONS	DATE: MARCH 2007 REV. DATE: MARCH 2019 DWG. No.: S31



SIZE OF DROP PIPE	
SEWER ID	DROP PIPE ID
200	200
250	200
300	250
375	300

NOTES:
1 Concrete shall be placed to undisturbed ground and the outside face of the maintenance hole, but there shall be a minimum of 150mm of 15MPa concrete around the drop pipe.
2 Concrete shall be secured to the maintenance hole with 450mm long, 13mm diameter threaded rods and drilled expansion anchors down either side of the drop pipe at 300mm centres.
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2016	Rev	3
CAST–IN–PLACE MAINTENANCE HOLE DROP STRUCTURE WYE		OPSD 1003.020	


No. 530 Lacolle Way (Foundation Noted)
PART 36 PLAN 50R–6232
W INV±57.83
E INV±57.82
S INV±57.89
PART 35 PLAN 50R–6232
37.54m - 300mmØ STM @ 3.50%
33.10m - 135mmØ SAN @ 2.00%
PART 3 PLAN 50R–6232
NE INV±54.99
S INV±55.01
PART 4 PLAN 50R–6232
NE INV±55.39
S INV±55.42
PART 34 PLAN 50R–6232
29.24m - 250mmØ HDPE PERFORATED PIPE SUBDRAIN@ 0.50%
LSCB2 T/G 59.44
CB1 T/G 60.37
E INV±57.78
S INV±57.80
6.10m - 250mmØ STM @ 1.00% CATCH BASIN TO OUTLET, INTO INTERNAL CISTERN INV. IN = 58.19
PROPOSED CISTERN WITHIN P2 & P3 PARKING LEVELS VOL = 203 m³ INV. OUT = 58.01, BTM = 54.50
PROPOSED 300mmØ OVERFLOW PIPE @ 2.00%. BLDG. INV = 58.56
2.37m - 250mmØ STM @ 2.00%
MH2 T/G 60.40
MH1A T/G 60.46
12.26m - 250mmØ STM @ 2.00%
EX CONNECTION TO 1050mmØ STM PER S11.1 INV±55.98
CONNECTION INV±55.48
EX CONNECTION TO 250mmØ SAN PER S11.1 INV±57.12
CONNECTION INV±55.12
CONNECT TO EXISTING 1050mmØ STM ABOVE SPRINGLINE WITH VERTICAL RISER PER S11. 1050mmØ STM INV = 55.54
1050mmØ STM SPRING = 56.07
250mmØ STM INV = 56.07
CONNECT TO EXISTING MAINTENANCE HOLE WITH EXTERNAL DROP PIPE PER OPSD 1003.020. CORE INTO EXISTING MAINTENANCE HOLE AND REBENCH AS REQUIRED.
EX. 250mmØ INV = 55.24
PROP. 150mmØ INV (HIGH) = 57.42
PROP. 150mmØ INV (LOW) = 55.27
1.87m - 150mmØ SAN SERVICE @2.00% BLD INV±57.70
C/W BACKWATER VALVE PER S14.1
10.71m - 150mmØ SAN @ 2.00%
LIMIT OF UNDERGROUND PARKING GARAGE
34.81m - 150mmØ WATER SERVICE. STUB AT WATER SERVICE ENTRY IN P1 LEVEL
2 x 45° BEND
PROPOSED 6-STOREY MIXED USE BUILDING FFL = 63.80
USF = REFER TO STRUCTURAL FOR DETAILS.
203 m3 INTERNAL CISTERN PER ARCHITECTURAL PLAN.
ROOF DRAINAGE TO BE CONVEYED TO INTERNAL CISTERN WITHOUT RESTRICTION.
PART 1 PLAN 4R–32177
PART 2 PLAN 4R–32177
PART 4 PLAN 4R–32177
PART 5 PLAN 4R–32177
PART 14 PLAN 4R–32177
PART 15 PLAN 4R–32177
PART 42 PLAN 50R–6232
PART 1 PLAN 4R–21645
PART 1 PLAN 4R–13302
PART 1 PLAN 50R–243
PART 2 PLAN 50R–243
PART 3 PLAN 50R–243
PART 4 PLAN 4R–32177
PART 5 PLAN 4R–32177
PART 1 PLAN 4R–32177
PART 2