200mmØ WATERMAIN 'A'  STATION FINISHED GRADE TOP W/M ITEM	SEWER AND WATERMAIN CROSSING TABLE     CROSSING   STM INV   STM OBV   SAN INV   SAN OBV   WTR TOP   WTR BTM   COMB INV   COMB OBV     64.77(64.67) ±   65.37(65.47) ±   64.11   64.41       64.41       64.41         64.41	
0+000 68.54 66.40± CONNECT TO EXISTING 200mmØ V & VC 0+001.9 68.55 66.150 200mmØ x 127mmØ REDUCER 0+004.6 68.67 66.270 200mmØ x 200mmØ x 200mmØ CROSS 0+006.1 68.63 66.230 11 ¼ ° HORIZONTAL BEND 0+010 68.65 66.250 11 ¼ ° HORIZONTAL BEND	★   65.27(65.17) ±   65.80(65.90) ±   63.92   64.17     64.07(64.22) ±     ★   65.28(65.18) ±   65.81(65.91) ±     66.24   66.04   62.78(62.58) ±   63.98(64.18) ±     * BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS	
0+019.5 68.55 66.45± EXISTING 200mmØ VALVE AND VALVE BOX		Stantec Consulting Ltd 400 - 1331 Clyde Avenue Ottawa ON Tel. 613.722.4420 www.stantec.com
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		PI PI
	200mmø Building Service tee Connection	PI PI
ADJUST EX. CB TO SUIT NEW LOCATION. ADJUST FRAME AND COVER TO CURB INLET. PROPOSED T/G = 67.50 EP = 66.35.	TO EX. 200mm@ DI WATERMAIN, EXCAVATION AND BACKFILL BY CONTRACTOR, CONNECTION BY CITY FORCES. TOP EX. W/M=66.24± INSULATE PER W22 AND W23 DUE TO PROXIMITY TO MAINTENANCE HOLE.  SAN CONNECTION PH I  SAN CONNECTION PH I  SOUTH TO EX. 200mm@ DI WATERMAIN WITH NEW 200mm@ PVC DR 18 WATERMAIN. EXCAVATION AND BACKFILL BY	PI
CONNECT TO EX.600mmø STORM EX.600mmø INV=64.64± EX.600mmø SPRINGLINE=64.94± INV=65.00 T.7.7m-300mmø STM @ 1.00%	INV=63.89 EX.1200mmø INV=62.87± EX.1200mmø SPRINGLINE=63.47±  STORM CONNECTION I CONNECTIO EX. 525mmø STORM SEWER WITH NEW 1200mmø MH.  INV=63.89 EX.1200mmø INV=62.87± EX.1200mmø SPRINGLINE=63.47±  REPLACE 19.5m OF EX. 150mmø WATERMAIN WITH NEW 200mmø PVC DR18 WATERMAIN AS SHOWN. EXISTING SEWER WITH NEW 1200mmø MH.  VALVES AND CHAMBERS TO BE PROTECTED. EX. 2200mmø BRICK  INV=63.89 EX.1200mmø INV=63.89 EX.1200mmø INV=63.81 I/G=68.51	E E E
EX. CB   NW INV=65.08   EX. 1200mmø INV=63.03   SUIT NEW C	EX. 525mmØ INV=65.23± EX. 525mmØ INV=65.23± EX. MHST37794 T/G=68.29  AME AND COVER TO CURB LINE, ADJUST ITION. 1/G = 67.95  EX. CB T/G=68.14  EX. MHST37794 T/G=68.15  EX. CDMBINED SEWER  EX. MHST37794 EX. CS T/G=68.14  EX. CDMBINED SEWER  EX. S25mmØ INV=65.00± EX. DB T/G=68.14  EX. CB T/G=68.14  EX. CB T/G=68.45  EX.	E E E E E
1200mmø INV=63.12  EX. 200mmø DI WATERMAIN  EX. 125mmø DI WATERMAIN (ABAND)  EX. 125mmø DI WATERMAIN (ABAND)  EX. 125mmø BRICK COMBINED SEWER @ 0.18% ± 3  EX. CB  EX. CB  EX. CB	RELOCATE EX. CB AS SHOWN, PLUG EXISTING CB LEAD PER CITY STANDARD S11.4, PROVIDE NEW 200mmø LEAD TO SUIT NEW LOCATION. ADJUST T/G = 68.12  B.3m-300mmø STM @ 2.00% STM 101 (300Ø) MONITOR SAMPLE PORT AS PER S18.1 T/G=68.71  EX. V&VB  EX.	PI PI
EX. 100mm@ GAS (ABAND) CLAY SEAL  EX. 150mm@ GAS  EX. 150mm@ GAS  EX. 150mm@ GAS  EX. 150mm@ GAS  EX. 100mm@ GAS (ABAND) CLAY SEAL  EX. 100mm@	NW INV=65.67 SE INV=65.66 SE IN	TH LE (M) (RM) (RM)
1350mm@ INV=61.17± 600mm@ INV=64.33±  STORMWATER STORAGE TANK PH 2  FARKING  TRENCH DRAIN T/G = 68.26  TRENCH DRAIN T/G = 68.26  STM SERVICE PH 2  PARKING  TRENCH DRAIN T/G = 68.26		Notes  1. ALL CATCH BASINS AND T
RAMP  T/G = 68.28  U/G PARK LEVELS TO BE PL T/G=68.21  NW INV=64.30  TRENCH DRAIN  T/G = 68.30  TRENCH DRAIN  T/G = 68.30	TOWN HOUSE FFE =68.70  INDOOR MARKET ENTRANCE FFE =68.80  INDOOR MARKET ENTRANCE FFE =	AND COLLECTED IN STOR  2. FINAL METER AND REMOT CONSULTANT.  3. THE LOCATION OF UTILITI SHOULD BE DETERMINED COMPANIES CONCERNED UTILITIES AND SHALL BE F
TRENCH DRAIN T/G = 68.32	3 STAIRS DOWN  RAMP  SEXT. STAIRS DOWN  SEX. STAIRS DOWN  SEXT. STAIRS DOWN  SEXT. STAIRS DOWN  SEXT. STAIRS	IMPLEMENTATION OF ANY APPROPRIATE STANDARD  4. INTERNAL PLUMBING AND CONSULTANT.  5. STORMWATER MANAGEM PER DEVELOPMENT PHAS PHASE 1 CISTERN =
NEW ASPHALT ELEVATION. ADJUST T/G ELEVATION. T/G = 67.62	BUILDING ABOVE  APP COXIMATE LOCIA ION OF PARTY PRICE	PHASE 2 CISTERN = PHASE 2 CISTERN = 6. MAX. CISTERN RELEASE F PHASE 1 CISTERN F PHASE 2 CISTERN F 7. BOOSTER PUMPS TO BE F 6-STOREYS AND HIGHER.
SECONDARY RESIDENTIAL ENTRANCE FFE = 68.48	AMENITY ENTRANCE FEE = 68.65	8. SUMP PUMP REQUIRED TO MECHANICAL DRAWINGS I  9. FLOOR DRAINS LOCATED INTERNAL SANITARY SEW  10. USF TO BE CONFIRMED BY  4 REVISED AS PER CITY COMME
AMENITY ENTRANCE FFE = 68.48  AMENITY ENTRANCE FFE = 68.23	RETAIL ENTRANCE FFE = 69.00 FFE = 69.00 FFE = 68.625 FFE = 68.625 FFE = 68.625  RETAIL ENTRANCE FFE = 69.00 FFE = 69.00 FFE = 68.625 FFE = 68.625  RETAIL ENTRANCE FFE = 69.00	3 REVISED AS PER CITY COMME 2 REVISED AS PER CITY COMME 1 REVISED AS PER CITY COMME 0 ISSUED FOR SPA  Revision
BUILDING USF 61.1  ADJUST FRAME AND COVER TO SUIT NEW ASPHALT ELEVATION. ADJUST	USF 61.15±  PER CITY STD W18. FH FLANGE ENTRANCE FFE = 68.48  CLAY SEAL	File Name: 160401663 DB - 1.dwg  Permit-Seal
T/G ELEVATION. T/G = 67.77    EX. CB	MAIN SIDENTIAL TOP W/M= 66.40m  RETAIL ENTRANCE E= 68.48  RETAIL ENTRANCE FFE = 68.48  RETAIL ENTRANCE FFE = 68.48  PARKING FFE = 68.48	D N. 3.
RELOCATE EX. CB AS SHOWN. CUT BACK EX. PIPING AND ADD 45° BEND TO SUIT NEW LOCATION. REPLACE FRAME AND COVER TO A CURB INLET CB FRAME AND COVER AS SHOWN PER S19 AND S22 TO MATCH NEW PROPOSED LOCATION AND GRADING. EP = 67.78 T/G = 67.93 INSULATE AS PER W23.	INJAKE  T/G=68.54  EX. COMB MH  MHCH10867  T/G=68.53  IMIT OF ROAD WIDENING  TREES IN PLANTER BOX	
EX. CB T/G=67.69 EX. COMB MH EX. COMB MH	EX. 127mm@ UCI WATERMAIN  EX. 127mm@ UCI WATERMAIN  EX. 127mm@ UCI WATERMAIN  EX. 106.7m - 300mm@ CLAY COMBINED SEWER 0.47% ±  T/G=68.21  EX. 106.7m - 300mm@ CLAY COMBINED SEWER 0.47% ±  T/G=68.21	Client/Project  BRIGIL
RELOCATE EX. CB AS SHOWN. CUT BACK AND MAINTAIN EX.  PIPING TO SUIT NEW LOCATION. REPLACE FRAME AND COVER AS SHOWN  FX 8.7m-600mm@ CONC  PEX 8.7m-600mm@ C	TIG=68.37  CIV OF CONSTRUCTED BOAD  EX. 400mm@ GAS (ABAND)  EX. 400mm@ GAS (ABAND)  EX. 100mm@ GAS (AB	265 CATHERIN OTTAWA, ONTARK
COMBINED SEWER  AND GRADING. EP = 68.00. INSULATE AS PER W23.	EX. 1800mmg CONC. COMBINED SEWER @ 0.12%  EX. COMB MH  WITH 22.5° LONG RADIUS BEND TO SUIT NEW LOCATION. ADJUST FRAME AND COVER TO CURB INIET.INSULATE AS PER W23.  PROPOSED T/G = 68.26  FRAME AND COVER TO CURB INIET.INSULATE AS PER W23.  PROPOSED T/G = 68.26  FRAME AND COVER TO CURB INIET.INSULATE AS PER W23.  PROPOSED T/G = 68.26  FRELOCATE EX. CB AS SHOWN. EXTEND EX.  RELOCATE EX. CB AS SHOWN. EXTEND EX.  RELOCATE EX. CB AS SHOWN. EXTEND EX.  RELOCATE EX. CB AS SHOWN. EXTEND EX.	Title SITE SERVICIN
EX. COMB MH MHCH11770 T/G=67.82 1350mmØ INV=60.53± 1800mmØ INV=60.11±  EX. 9.1m - 600mmØ CONC. COMBINED SEWER	RELOCATE NA. CB AS SHOWN. EXITEND EX. PIPING TO SUIT NEW LOLET, INSULATE AS PER W23. PROPOSED T/G = 68.55 EP = 68.40.  REMOVE AND REPLACE 88.3m of EX. 127mmø UCI WATERMAIN WITH NEW 200mmø PVC DR 18 WATERMAIN. EXCAVATION AND BACKFILL BY CONTRACTOR, CONNECTION BY CITY FORCES. DISPOSE OF OLD WATERMAIN AND VALVES AT APPROVED LANDFILL. SEE PLAN AND PROFILE OF KENT STREET FOR DETAILS.	Project No. 3
ORIGINAL SHEET - ARCH D		Drawing No.

ontractor shall verify and be responsible for all dimensions. DO cale the drawing - any errors or omissions shall be reported to c without delay. pyrights to all designs and drawings are the property of ec. Reproduction or use for any purpose other than that rized by Stantec is forbidden.

PROPOSED WATERMA**I**N PROPOSED VALVE AND VALVE BOX PROPOSED VALVE CHAMBER PROPOSED W3 CHAMBER PROPOSED REDUCER PROPOSED FIRE HYDRANT PROPOSED SANITARY SEWER PROPOSED STORM SEWER PROPOSED CATCHBASIN MANHOLE

PROPOSED CATCHBASIN EXISTING WATERMAIN EXISTING VALVE AND VALVE BOX EXISTING VALVE CHAMBER

EXISTING REDUCER EXISTING FIRE HYDRANT EXISTING COMBINED SEWER

EXISTING STORM SEWER EXISTING CATCHBASIN MANHOLE EXISTING CATCHBASIN

PROPOSED DEPRESSED CURB LOCATIONS PROPOSED BARRIER CURB THERMAL INSULATION ON STORM SEWERS WITH LESS THAN 2.0m COVER AND SANITARY SEWERS WITH LESS THAN 2.5m COVER TO BE INSULATED IN ACCORDANCE WITH CITY STANDARD S35.

THERMAL INSULATION ON WATERMAIN WHERE COVER IS LESS THAN 2.4m AS PER W22. WATER METER REMOTE WATER METER

CURB AND SIDEWALK INSTALLATION. PROPOSED CLAY SEAL AS PER GEOTECH RECOMMENDATIONS

LIMITS OF ASPHALT OVERLAY FOLLOWING SERVICING,

CATCH BASINS AND TRENCH DRAINS TO BE CONNECTED TO INTERNAL PLUMBING COLLECTED IN STORM WATER MANAGEMENT CISTERN. INSTALLATION BY OTHERS. L METER AND REMOTE METER LOCATIONS TO BE CONFIRMED BY MECHANICAL LOCATION OF UTILITIES IS APPROXIMATE ONLY AND THE EXACT LOCATION

JLD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY PANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF ITIES AND SHALL BE RESPONSIBLE FOR THEIR PROTECTION AND THE PROPRIATE STANDARD AND REGULATIONS.

RNAL PLUMBING AND SUMP PUMPS TO BE DESIGNED BY THE MECHANICAL RMWATER MANAGEMENT TO BE PROVIDED THROUGH 2 CISTERNS. ONE CISTERN

R DEVELOPMENT PHASE.
PHASE 1 CISTERN = 160.0m<sup>3</sup> PHASE 2 CISTERN = 180.0m<sup>3</sup>

C. CISTERN RELEASE RATE TO STORM SEWER PHASE 1 CISTERN RELEASE RATE = 21.4L/s PHASE 2 CISTERN RELEASE RATE = 25.0L/s

OSTER PUMPS TO BE PROVIDED TO MAINTAIN MINIMUM PRESSURES FOR TOWERS OREYS AND HIGHER. MP PUMP REQUIRED TO DISCHARGE TO INTERNAL SANITARY SEWER. (REFER TO

CHANICAL DRAWINGS FOR DETAILS)
OOR DRAINS LOCATED INSIDE PARKING GARAGE TO BE CONNECTED TO BUILDING ERNAL SANITARY SEWER.

TO BE CONFIRMED BY THE STRUCTURAL CONSULTANT. O AS PER CITY COMMENTS MJS DT 25.05.14

MJS DT 24.09.16 AS PER CITY COMMENTS AS PER CITY COMMENTS MJS DT 24.05.20 MJS DT 24.03.13 MJS MF 23.05.15 AS PER CITY COMMENTS OR SPA By Appd. YY.MM.DD MJS DT MJS 23.02.06
Dwn. Chkd. Dsgn. YY.MM.DD 60401663 DB - 1.dwg

CATHERINE STREET

AWA, ONTARIO, CANADA

E SERVICING PLAN

No. Sheet Revision 3 of 8

PLAN # 18991