## DRAWING NOTES

## 1.0 GENERAL

1.1 CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

1.2 DO NOT SCALE DRAWINGS.

1.3 CONTRACTOR TO REPORT ALL DISCOVERIES OF ERRORS, OMISSIONS OR DISCREPANCIES TO THE ARCHITECT OR DESIGN ENGINEER AS APPLICABLE.

1.4 USE ONLY THE LATEST REVISED DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION". 1.5 ALL CONSTRUCTION SHALL COMPLY WITH CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. 1.6 THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS.

3.3 STORM MH COVERS TO BE OPEN TYPE, AS PER CITY STANDARD S24, FRAMES TO BE PER CITY OF OTTAWA

STD. S25. CONTRACTOR TO INSTALL FILTER FABRIC UNDER STORM MH COVER UNTIL SODDING IS COMPLETE.

3.5 ALL CATCH BASINS TO BE AS PER OPSD 705.010, FRAME & FISH TYPE GRATE AS PER CITY OF OTTAWA STD.

3.6 150mm DIAMETER SOCK-WRAPPED PERFORATED PVC SUBDRAINS TO BE INSTALLED AT THE LIMIT OF THE HEAVY DUTY ROAD STRUCTURE WHERE IT MEETS THE LIGHT DUTY ROAD STRUCTURE AND AT ALL CB'S IN

3.7 ANY STORM SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF

3.8 CONNECTION TO THE EXISTING STORM SEWER TO BE INCLUDED IN THE COST FOR STORM SEWER

3.9 CONTRACTOR TO PROVIDE IPEX-TEMPEST MHF ICD'S SHOP DRAWINGS, OR EQUIVALENT, FOR ENGINEERS

4.1 ALL WATERMAINS TO BE PVC DR 18, WITH MINIMUM COVER OF 2.4m AND INSTALLED PER CITY OF OTTAWA

4.2 THRUST BLOCKS TO BE INSTALLED AT ALL BENDS, TEES, AND CAPS ALL TO CITY STANDARDS W25.3 AND

4.3 CONTRACTOR TO CONDUCT PRESSURE AND LEAKAGE TESTING OF ALL WATERMAINS AND DISINFECT AND

4.4 TRACER WIRE TO BE INSTALLED ALONG THE FULL LENGTH OF WATERMAIN AND ATTACHED TO EACH MAIN

4.5 ALL COMPONENTS OF THE WATER DISTRIBUTION SYSTEM SHALL BE CATHODICALLY PROTECTED AS PER

4.6 ALL VALVES & VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLIES SHALL

4.7 ANY WATERMAIN WITH LESS THAN 2.4m COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA

4.9 CONNECTION TO EXISTING WATERMAIN TO BE INCLUDED IN THE COST FOR THE WATERMAIN INSTALLATION.

5.2 THE CONTRACTOR SHALL PREPARE A TRAFFIC MANAGEMENT PLAN FOR REVIEW AND APPROVAL BY THE

CITY OF OTTAWA, CONTRACTOR TO MAINTAIN TRAFFIC FLOW DURING THE ENTIRE CONSTRUCTION PERIOD. MAINTENANCE OF ROAD CUTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. PROVISION OF FLAGMEN,

5.3 CONTRACTOR TO PREPARE SUBGRADE, INCLUDING PROOFROLLING, TO THE SATISFACTION OF THE

5.5 CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE

5.6 GRANULAR A MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL ENGINEER OF

5.7 CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH THE

5.8 ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL ENGINEER OF

5.9 CONTRACTOR TO SUPPLY, PLACE AND COMPACT ASPHALT MATERIAL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. CONTRACTOR TO PROVIDE ENGINEER WITH SAMPLES OF ASPHALT MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL ENGINEER THAT THE

5.10 CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS

5.11 DITCHES DISTURBED DURING CULVERT INSTALLATION AND GRADING OPERATIONS ARE TO BE REINSTATED

5.13 ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD

THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY ENGINEER. ENGINEER

5.14 PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESSES) FOR HEAVY DUTY AND LIGHT DUTY AREAS

SANITARY SEWER & FLOW DIRECTION

STORM SEWER & FLOW DIRECTION

200¢ WATERMAIN WATERMAIN

RECOMMENDATIONS OF THE GEOETCHNICAL ENGINEER. CONTRACTOR TO PROVIDE ENGINEER WITH SAMPLES

OF GRANULAR B MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL ENGINEER THAT THE

RECOMMENDATIONS OF THE GEOETCHNICAL ENGINEER. CONTRACTOR TO PROVIDE ENGINEER WITH SAMPLES OF GRANULAR A MATERIAL FOR TESTING AND CERTIFICATION FROM THE GEOTECHNICAL ENGINEER THAT THE

GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF PLACEMENT OF GRANULAR B MATERIAL.

5.4 FILL TO BE PLACED AND COMPACTED PER THE GEOTECHNICAL REPORT REQUIREMENTS.

MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.

MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT

MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.

AND FOR PROVIDING THE ENGINEER WITH VERIFICATION PRIOR TO PLACEMENT

TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION.

DETOURS AS NECESSARY, BARRICADES AND SIGNS TO THE FULL SATISFACTION OF THE ENGINEER AND ROAD

4.8 CONTRACTOR IS RESPONSIBLE FOR ACQUIRING THE WATER PERMIT FROM THE CITY OF OTTAWA AND

PAYMENT OF ANY FEES ASSOCIATED WITH SECURING THE WATER PERMIT. OWNER IS RESPONSIBLE FOR

REIMBURSING THE CONTRACTOR FOR THE ACTUAL COST OF ACQUIRING THE WATER PERMIT.

THIS COST INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARD R10.

5.0 PARKING LOT AND WORK IN PUBLIC RIGHTS OF WAY

5.1 CONTRACTOR TO REINSTATE ROAD CUTS PER CITY OF OTTAWA STANDARD R-10

CHLORINATE ALL WATERMAINS TO THE SATISFACTION OF M.O.E. AND THE CITY OF OTTAWA.

HEAVY DUTY ROADS AS IDENTIFIED ON PLAN. SUBDRAINS TO DISCHARGE TO CB'S AS SHOWN.

INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUT TO CITY STANDARDS

STANDARDS W17. ALL DOMESTIC WATER SERVICES ARE TO BE 200mmØ.

BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W19 & W24.

STOP AS PER CITY OF OTTAWA STANDARD W36.

STANDARD W22. OR AS APPROVED BY THE ENGINEER.

AUTHORITY SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

GRANULAR B PLACEMENT

GRANULAR A PLACEMENT.

3.4 STORM MAINTENANCE HOLES TO BE OPSD, SIZE AS SPECIFIED, TAPER TOP.

OTTAWA STANDARD W22. OR AS APPROVED BY THE ENGINEER.

4.0 WATER

1.7 FOR LEGAL SURVEY INFORMATION REFER TO REGISTERED PLAN. 1.8 REFER TO SITE PLAN BY CHAMBERLAIN ARCHITECT SERVICES LIMITED.

1.09 CONTRACTOR TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES AS IDENTIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN TO THE SATISFACTION OF THE CITY OF OTTAWA, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.), DURING AL PHASES OF THE SITE PREPARATION AND CONSTRUCTION THE MEASURES ARE TO BE MAINTAINED TO THE SATISFACTION OF THE ENGINEER AND CITY OF OTTAWA IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL. SHOULD ANY ADDITIONAL MEASURES BE REQUIRED TO ADDRESS FIELD CONDITIONS THEY SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER OR THE CITY OF OTTAWA, SUCH ADDITIONAL MEASURES MAY INCLUDE BUT NOT BE LIMITED TO INSTALLATION OF FILTER OTHS ACROSS MANHOLE AND CATCHBASIN LIDS TO PREVENT SEDIMENT FROM ENTERING THE STRUCTURE AND INSTALLATION AND MAINTENANCE OF A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.

1.10 ALL IRON WORK ELEVATIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR ADJUSTMENTS AS DETERMINED BY THE ENGINEER.

1.11 ALL CONCRETE CURBS AND SIDEWALKS TO CONFORM TO CITY STANDARDS SC1.1 AND SC1.4. ALL ONSITE CURBS TO BE BARRIER TYPE. WITH DEPRESSIONS AS NOTED.

1.12 ALL CONCRETE SHALL BE "NORMAL PORTLAND CEMENT" IN ACCORDANCE WITH O.P.S.S. 1350 AND SHALL ACHIEVE A MINIMUM STRENGTH OF 30MPa AT 28 DAYS.

1.13 ALL CONSTRUCTION TRAFFIC TO ACCESS SITE FROM BANK STREET 1 14 FOR GEOTECHNICAL REPORT SEE GEOTECHNICAL INVESTIGATION PROPOSED MULTI-STOREY BUILDINGS IDONE SOUTH APARTMENTS 4840 BANK STREET, OTTAWA, ON, REPORT No. PG6255 BY PATERSON GROUP

1.15 CONTRACTOR TO PROTECT EXISTING INFRASTRUCTURE AND PROPERTY SUCH AS TREES, PARKING METERS, SIDEWALKS, CURBS, ASPHALT, AND STREET SIGNS FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR TO PAY THE COST TO REINSTATE OR REPLACE ANY DAMAGED INFRASTRUCTURE OR PROPERTY

1.16 THE POSITION OF POLE LINES, CONDUITS, WATERMAIN, SEWERS, AND OTHER UNDERGROUND AND ABOVEGROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN. THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK THE CONTRACTOR SHALL INFORM ITSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, SHALL PROTECT ALL UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

1.17 CONTRACTOR TO SUPPLY SUITABLE FILL MATERIAL WHERE REQUIRED TO ROUGH GRADE THE SITE. ALL IMPORTED FILL MATERIAL TO BE CERTIFIED AS ACCEPTABLE BY THE GEOTECHNICAL ENGINEER.

1.18 CONTRACTOR TO HAUL EXCESS MATERIAL OFFSITE AS NECESSARY TO GRADE SITE TO MEET THE PROPOSED GRADES. ALL EXCESS MATERIAL TO BE HAULED OFFSITE AND DISPOSED OF AT AN APPROVED DUMP SITE. SHOULD THE CONTRACTOR DISCOVER ANY HAZARDOUS MATERIAL, CONTRACTOR IS TO NOTIFY ENGINEER. ENGINEER TO DETERMINE APPROPRIATE DISPOSAL METHOD/LOCATION. 1.19 FILL MATERIAL WITHIN THE PARKING LOT AND BUILDING PAD AREAS. AND SUPPORTING BUILDING

FOUNDATIONS SHALL BE COMPACTED TO 98% STANDARD MODIFIED PROCTOR DENSITY AND TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.

1.20 ALL COMPACTION METHODS TO BE PERFORMED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER TO INCLUDE BUT NOT BE LIMITED TO THE THICKNESS OF LIFTS, AND COMPACTION EQUIPMENT USED. 1.21 ALL DISTURBED BOULEVARDS TO BE REINSTATED WITH SOD ON 100mm TOPSOIL.

1.22 UTILITY DUCTS TO BE INSTALLED PRIOR TO ROAD BASE CONSTRUCTION.

1.23 CLAY DIKES TO BE INSTALLED WHERE INDICATED ON THE DRAWINGS OR AS APPROVED AND DIRECTED BY THE GEOTECHNICAL ENGINEER ALL IN ACCORDANCE WITH CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. 1.24 ALL UTILITY BOXES (i.e. PEDESTALS, TRANSFORMERS, ETC) ARE TO BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF OTTAWA'S "GUIDELINES FOR UTILITY PEDESTALS WITHIN THE ROAD

1.25 FOR SITE BENCH MARK SEE SURVEY BY ANNIS O'SULLIVAN, VOLLEBEKK LTD. JOB №. 20749-22 REGIONAL BLK 204 4M-1653 T DI.

## 2.0 SANITARY

2.1 ALL SANITARY SEWER MAINS TO BE CSA CERTIFIED, BELL AND SPIGOT TYPE. ONLY FACTORY FITTINGS TO BE USED. SEWER TO BE INSTALLED AS PER OSPD 1005.01. SANITARY SEWER MATERIALS TO BE: 200mmØ AND SMALLER - PVC DR 35

2.2 ALL SANITARY MAINTENANCE HOLES TO BE 1.2m DIAMETER AS PER CITY OF OTTAWA STANDARDS COMPLETE WITH BENCHING, RUNGS, FRAME AND COVER, DROP PIPES AND LANDINGS WHERE NEEDED. 2.3 SANITARY MANHOLE COVERS TO BE CITY OF OTTAWA STD. S25 (MOD. OPSD. 401.020). SANITARY MANHOLE

COVER TO BE CLOSED COVER TYPE, AS PER CITY STANDARD S24. 2.4 SANITARY SEWER LEAKAGE TEST AND CCTV INSPECTION SHALL BE COMPLETED AS PER CITY SPECIFICATIONS PRIOR TO INSTALLATION OF BASE COURSE ASPHALT.

OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER. 2.6 CONNECTION TO THE EXISTING SANITARY SEWER TO BE INCLUDED IN THE COST FOR SANITARY SEWER INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.

3.1 ALL STORM SEWERS TO BE CSA CERTIFIED, BELL AND SPIGOT TYPE. ALL STORM SEWERS TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. ONLY FACTORY FITTINGS TO BE USED. STORM SEWER MATERIALS TO 450mmØ AND LARGER - 100-D REINFORCED CONCRETE.

3.2 ALL STORM MAINTENANCE HOLES TO BE SIZED IN ACCORDANCE WITH THE PLANS AND AS PER CITY OF OTTAWA STANDARDS COMPLETE WITH BENCHING, RUNGS, AND FRAME AND COVER.

HEAVY DUTY ASPHALT / FIRE ROUTE

— - - — PROPERTY LINE

LEGEND:

○ <sup>MH3A</sup>	EXISTING SANITARY MANHOLE	O <sup>MH3A</sup>	SANITARY MANHOLE
○ <sup>MH3</sup>	EXISTING STORM MANHOLE	OMH3	STORM MANHOLE
<b>■</b> <i>CB T/G 99.76</i>	EXISTING STREET CATCHBASIN	<b>■</b> CB T/G 99.76	CATCHBASIN c/w TOP OF GRATE
CICB G/G 99.76	EXISTING CURB INLET CATCHBASIN	■ RYCB T/G 99.76	REAR YARD CATCHBASIN c/w GUTTER GRADE
⊗ V&VB	EXISTING VALVE AND VALVE BOX	,	
⊗ V&C	EXISTING VALVE AND CHAMBER	⊖ <u>E</u> CB T/G 100.25	REAR YARD "END" CATCHBASIN C/W TOP OF GRATE 300Ø)
→ HYD B/F 100.56	EXISTING HYDRANT	СВМН	CATCHBASIN MANHOLE c/w TOP OF GRATE
	EXISTING BARRIER CURB	T/G 101.55	
	EXISTING DEPRESSED BARRIER CURB	<b>⊗</b> V&VB	VALVE AND VALVE BOX
		<b>⊗</b> V&C	VALVE AND CHAMBER
	EXISTING CONCRETE SIDEWALK	◆ HYD ◆ B/F 100.56	HYDRANT c/w BOTTOM OF FLANGE ELEVATION
<u>&gt;</u>	SIAMESE CONNECTION (IF REQUIRED)	,	
	METER =	D.C.	DEPRESSED BARRIER CURB AS PER SC1.1
	=		BARRIER CURB AND GUTTER AS PER SC1.2
(RM)	REMOTE METER		MOUNTABLE CURB AS PER SC1.3
PRV	PRESSURE REDUCING VALVE		WOUNTABLE CURD AS PER SCI.3
1	PIPE CROSSING IDENTIFICATION	200mmø SAN	PROPOSED CONCRETE SIDEWALK

CATCHBASIN DATA TABLE											
				ELEVATION			OUTLET PIPE		INLET CONTROL DEVICE		
STRUCTURE ID	STORM AREAID	STRUCTURE	FRAME & COVER	TOP OF	INV	/ERT	DIAMETER	TYPE	HEAD	FLOW	ICD TYPE
				GRATE	INLET	OUTLET	(mm)		(m)	(I/s)	
CB1	MH5A	OPSD 705.010	S19	102.50		101.10	200	PVC DR35	1.650	12.00	IPEX MHF
CB2	MH5	OPSD 705.010	S19	102.45		101.05	200	PVC DR35	1.650	6.00	IPEX LMF
CB3	MH3	OPSD 705.010	S19	102.40		101.00	200	PVC DR35	1.650	6.00	IPEX LMF
CB4	МНЗА	OPSD 705.010	S19	102.45	100.77	100.75	200	PVC DR35	1.650	8.00	IPEX MHF
CB5	мнзв	OPSD 705.010	S19	102.45		101.05	200	PVC DR35	1.650	6.00	IPEX LMF
CB6	MH3C	OPSD 705.010	S19	102.40		101.00	200	PVC DR35	1.650	6.00	IPEX LMF
CB7	CBMH2	OPSD 705.010	S19	102.25		100.85	200	PVC DR35	1.650	12.00	IPEX MHF
CB9	MH3D	OPSD 705.010	S19	101.60		100.10	300	PVC DR35	1.650	65.00	IPEX MHF
CB10	MH4	OPSD 705.010	S19	101.50		100.10	200	PVC DR35	1.650	25.00	IPEX MHF
RYCB1	RYCB1	OPSD 705.010	S19	101.70		100.30	200	PVC DR35	1.400	6.00	IPEX LMF

PROPOSED SWALE C/W FLOW DIRECTION

SLOPE C/W FLOW DIRECTION

PROPOSED SPOT GRADE

PROPOSED SWALE GRADE

TIE INTO EXISTING GRADE

TOP OF RETAINING WALL

**RETAINING WALL** 

ELEVATION

**ELEVATION** 

FULL STATIC PONDING GRADE

PROPOSED SWALE HIGH POINT

LOT CORNER GRADE C/W EXISTING GROUND

PROPOSED BOTTOM OF RETAINING WALL

PROPOSED BUILDING FINISHED FLOOR

PROPOSED UNDERSIDE OF FOOTING

TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE

MAJOR OVERLAND FLOW ROUTE

1.3%

×104.62

×104.40 (S)

×104.50 (s)HP

104.60

103.59

86.45 EX ×

105.30

103.50

F.F.E.=106.30

U.S.F.=104.30

PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE

		STRUCTURE	FRAME & COVER	ELEVATION			OUTLET PIPE		INLET CONTROL DEVICE		
TRUCTURE ID	STORM AREAID			TOP OF	INVERT		DIAMETER TYPE	ТҮРЕ	HEAD	FLOW	ICD TYPE
				GRATE	INLET	OUTLET	(mm)		(m)	(I/s)	
CB1	MH5A	OPSD 705.010	S19	102.50		101.10	200	PVC DR35	1.650	12.00	IPEX MHF
CB2	MH5	OPSD 705.010	S19	102.45		101.05	200	PVC DR35	1.650	6.00	IPEX LMF
CB3	MH3	OPSD 705.010	S19	102.40		101.00	200	PVC DR35	1.650	6.00	IPEX LMF
CB4	МНЗА	OPSD 705.010	S19	102.45	100.77	100.75	200	PVC DR35	1.650	8.00	IPEX MHF
CB5	мнзв	OPSD 705.010	S19	102.45		101.05	200	PVC DR35	1.650	6.00	IPEX LMF
CB6	MH3C	OPSD 705.010	S19	102.40		101.00	200	PVC DR35	1.650	6.00	IPEX LMF
CB7	CBMH2	OPSD 705.010	S19	102.25		100.85	200	PVC DR35	1.650	12.00	IPEX MHF
CB9	MH3D	OPSD 705.010	S19	101.60		100.10	300	PVC DR35	1.650	65.00	IPEX MHF
CB10	MH4	OPSD 705.010	S19	101.50		100.10	200	PVC DR35	1.650	25.00	IPEX MHF
RYCB1	RYCB1	OPSD 705.010	S19	101.70		100.30	200	PVC DR35	1.400	6.00	IPEX LMF

	Station	Description	Finished	Top of	As Buil
Α	0+000.00	TEE	Grade 101.700	Waterain 99.300	Wateraii
<u> </u>	0+000.00	VB	101.830	99.430	
С	0+002.00	TEE	101.830	99.540	
C	0+009.83	45° BEND	101.940	99.670	
	0+039.30		102.070	99.670	
	0+039.30	45° BEND	102.070	99.680	
D	0+040.02	TEE	102.080	99.850	
		HY DRA NT			
	0+048.75	VB	102.440	100.040	
Е	0+058.28	TEE	102.670	100.270	
	0+077.76	45° BEND	102.680	100.280	
	0+080.59	45° BEND	102.660	100.260	
В	0+113.70	EX CAP	102.580	100.180	
	0.000		101.010	00.040	
С	0+000	TEE	101.940	99.940	
	0+001.5	VB	101.870	99.870	
	0+008.6	BLDG A	102.150	99.750	
D	0+000	TE	102.080	99.680	
	0+001.5	VB	102.000	99.690	
	0+032.38	45° BEND	102.450	100.050	
	0+033.79	45° BEND	102.460	100.060	
	0+034.80	BLDG B	102.450	100.050	
	0.001.00	BEBO B	102.100	100.000	
E	0+000	TEE	102.670	100.270	
	0+001.5	VB	102.700	100.300	
	0+032.38	45° BEND	102.800	100.400	
	0+033.79	45° BEND	102.800	100.400	
	0+036.10	BLDG C	103.000	100.600	

Pipe Interference Table									
Crossing No.	PIPE 1	PIPE 2	Clearance						
1	1 STM Bottom 99.631		0.210						
2	SAN Bottom 100.409	STM Top 100.252	0.157						
3	STM Bottom 100.743	SAN Top 100.505	0.238						
4 STM Bottom 100.853		SAN Top 100.576	0.277						
5	STM Bottom 100.732	SAN Top 98.888	1.844						
6	STM Bottom 99.230	SAN Top 99.039	0.191						

## PAVEMENT STRUCTURE:

**LIGHT WEIGHT AREAS:** 

50mm - SUPERPAVE 12.5 ASPHALTIC CONCRETE - OPSS GRANULAR "A" CRUSHED STONE 300mm - OPSS GRANULAR "B" TYPE II

- SUPERPAVE 12.5 ASPHALTIC CONCRETE - OPSS GRANULAR "A" CRUSHED STONE



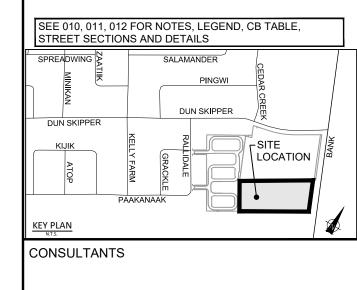
1737 WOODWARD DRIVE, OTTAWA, ON

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ISSUE	S	
No.	DESCRIPTION	DATE
1	SUBMISSION NO. 1 FOR CITY REVIEW	2022-06-03
2		
3		
4		
5		
6		
7		
8		



**HEAVY DUTY AREAS** 

- SUPERPAVE 19.0 ASPHALTIC CONCRETE 450mm - OPSS GRANULAR "B" TYPE II

IBI GROUP 400 – 333 Preston Street Ottawa ON K1S 5N4 Canada tel 613 225 1311 fax 613 225 9868 ibigroup.com

PROJECT

4840 BANK STREET

137175 DRAWN BY: CHECKED BY: S.E.L. PROJECT MGR: APPROVED BY: J.I.M.

SHEET TITLE

NOTES LEGEND CB DATA

SHEET NUMBER C-010

CITY PLAN No. xxxxx

ISSUE