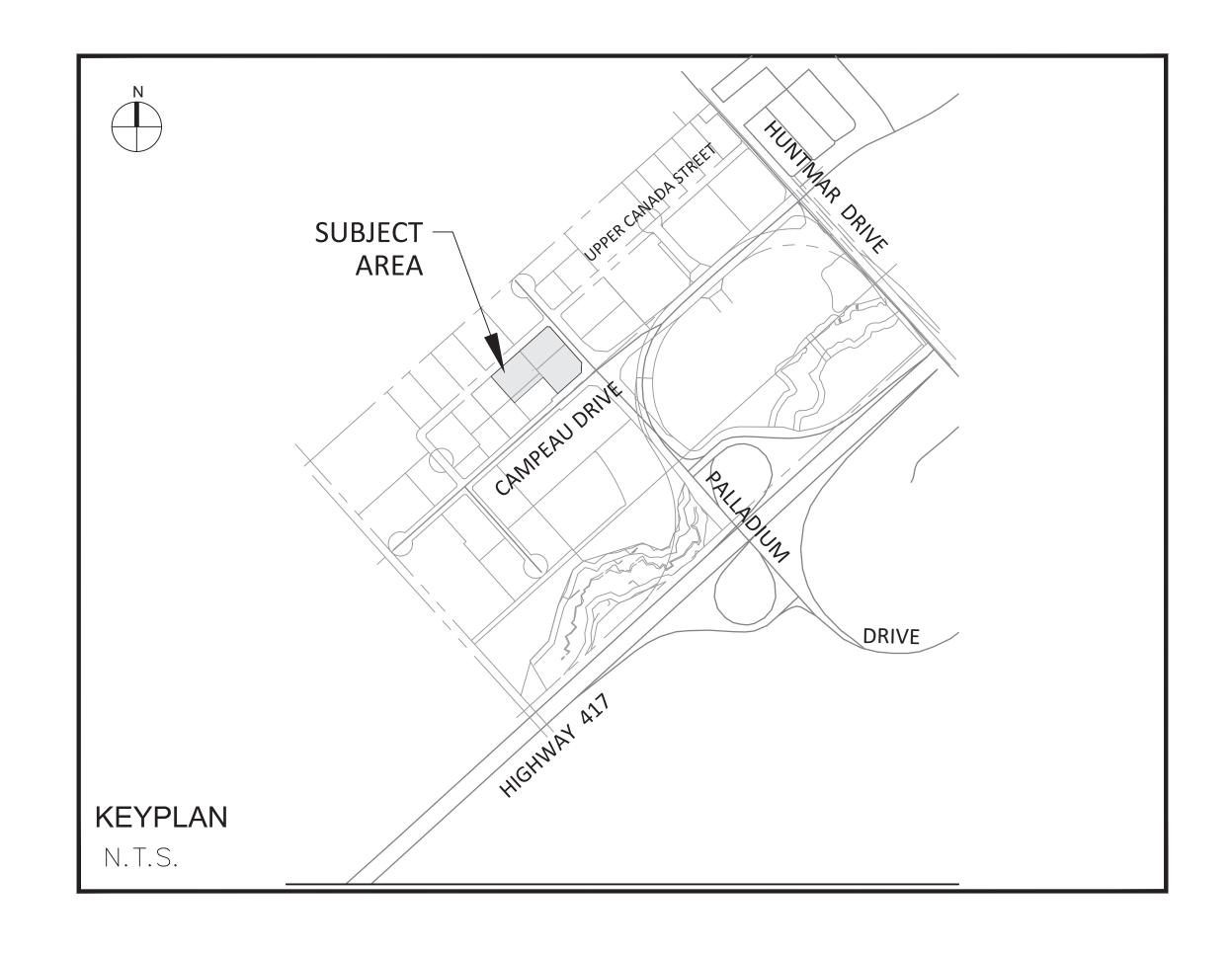
KINAXIS 8700 CAMPEAU DRIVE



IBI GROUP

400 – 333 Preston Street

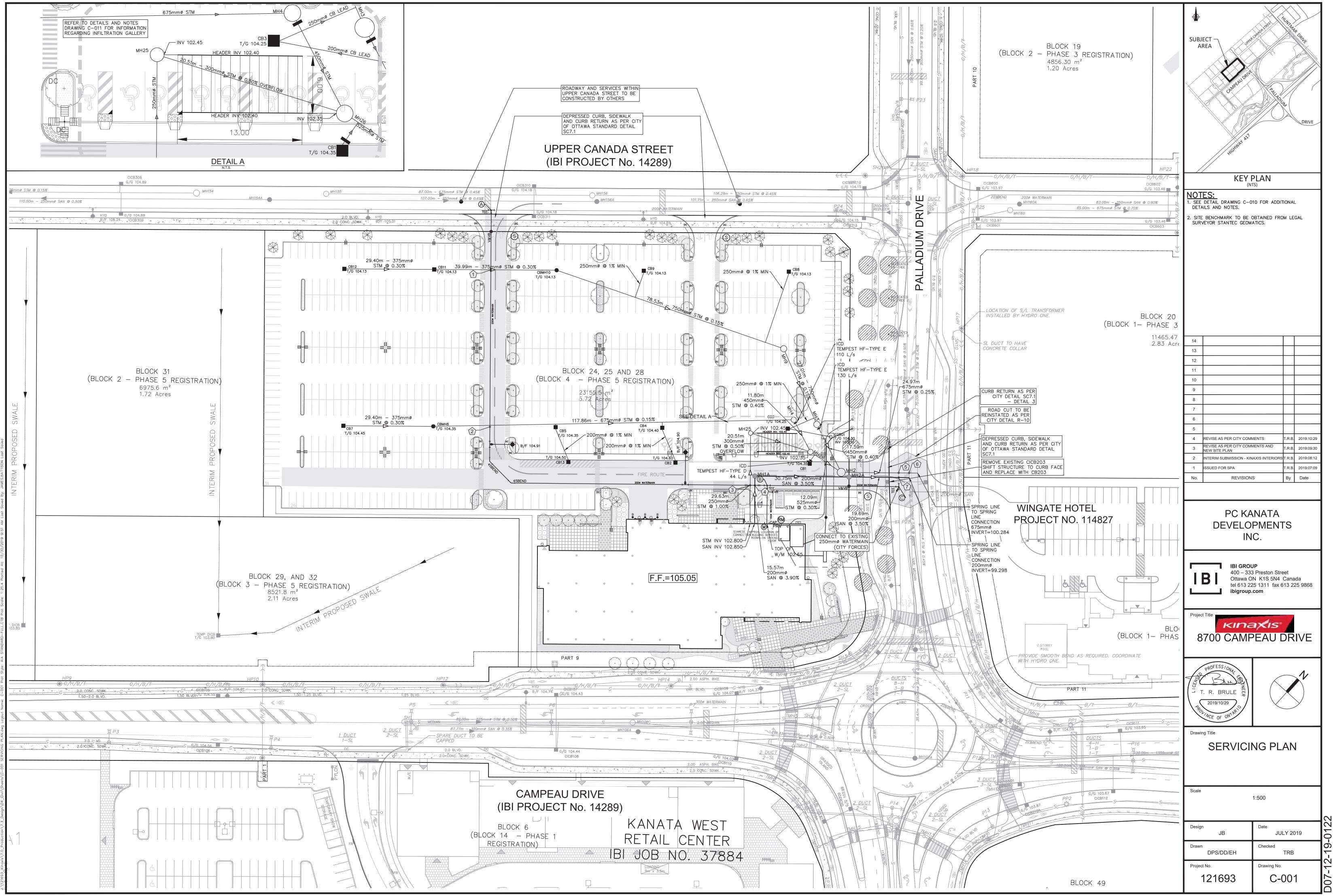
Ottawa ON K1S 5N4 Canada
tel 613 225 1311 fax 613 225 9868
ibigroup.com

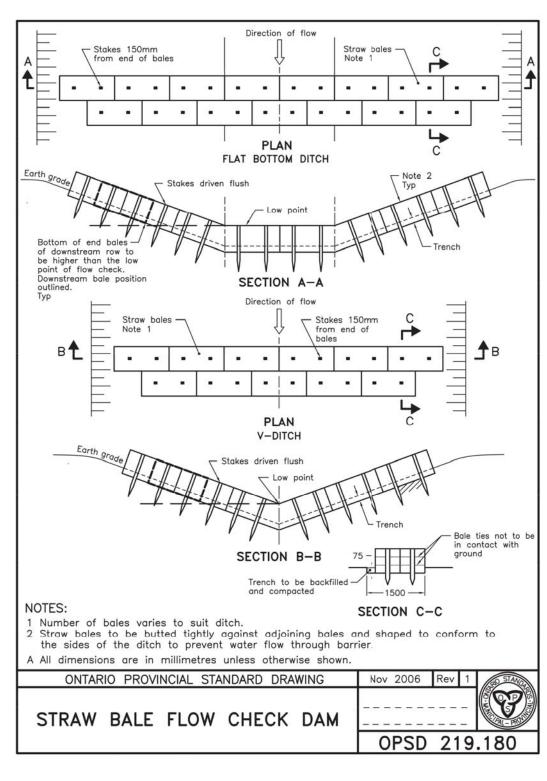


	Sheet List Table
Sheet Number	Sheet Title
000	COVER
C-001	SERVICING PLAN
C-010	NOTES LEGEND AND CB
C-200	GRADING PLAN
C-201	BLOCK 24, 25, AND 28 SITE GRADING & EXISTING DRAINAGE AR
C-400	SANITARY DRAINAGE AREA PLAN
C-500	STORM DRAINAGE AREA PLAN
C-600	PONDING PLAN
C-900	EROSION AND SEDIMENT PLAN

PC KANATA DEVELOPMENTS INC.

CONTRACT NO. 121693





PERSPECTIVE VIEW Area under construction - Silt fence barrier --- Area under protection SECTION Direction of flow PLAN - Earth surface SECTION A-A All dimensions are in millimetres unless otherwise shown. ONTARIO PROVINCIAL STANDARD DRAWING Nov 2006 Rev 1 LIGHT-DUTY ------SILT FENCE BARRIER OPSD 219.110

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.

1.7 FOR LEGAL SURVEY INFORMATION REFER TO REGISTERED PLAN.

1.8 REFER TO SITE PLAN BY McROBIE ARCHITECTS.

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 ALL PHASES OF THE SITE PREPARATION AND CONSTRUCTION THE MEASURES ARE TO BE MAINTAINED TO THE SATISFACTION OF THE ENGINEER AND CITY OF DITTAWA 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 IMITED TO INSTALLATION OF FILTER CLOTHS ACROSS MANHOLE AND CATCHRASIN LIDS TO PREVENT SE FROM ENTERING THE STRUCTURE AND INSTALLATION AND MAINTENANCE OF A LIGHT DUTY SILT FENCE BARRIER AS

1.10 ALL IRON WORK ELEVATIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR ADJUSTMENTS AS

1.11 ALL CONCRETE CURBS AND SIDEWALKS TO CONFORM TO O.P.S. AND CONSTRUCTED TO CITY STANDARDS. 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 PALLADIUM DRIVE.

1.14 FOR GEOTECHNICAL REPORT SEE GEOTECHNICAL INVESTIGATION PROPOSED KINAXIS - BLOCK 24 CAMPEAU DRIVE AT PALLADIUM DRIVE - OTTAWA, PG3115-6 SEPT 20, 2019 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 TO THE SATISFACTION OF

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

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.

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:

250mmØ 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.

2.5 ANY SANITARY SEWER WITH LESS THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF 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 BE: 375mmØ AND SMALLER - PVC DR 35, 450mmØ AND LARGER - CONC. CL. 100-D, 825mmØ AND LARGER - CONC. CL. 65-D

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, DROP PIPES AND FRAME AND COVER.

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. S19.1. 3.6 ANY STORM SEWER WITH LESS THAN 2.0M COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.

3.7 CONNECTION TO THE EXISTING STORM SEWER TO BE INCLUDED IN THE COST FOR STORM SEWER INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUT TO CITY STANDARDS.

3.8 CONTRACTOR TO PROVIDE IPEX-TEMPEST MHF ICD'S SHOP DRAWINGS, OR EQUIVALENT, FOR ENGINEERS REVIEW PRIOR TO ORDERING ICD'S.

4.1 ALL WATERMAINS TO BE PVC DR 18. WITH MINIMUM COVER OF 2.4M AND INSTALLED PER CITY OF OTTAWA STANDARDS. ALL DOMESTIC WATER SERVICES ARE TO BE 200MMØ.

4.2 THRUST BLOCKS TO BE INSTALLED AT ALL BENDS, TEES, AND CAPS ALL AS PER OPSD 1103.01 AND 1103.02. 4.3 CONTRACTOR TO CONDUCT PRESSURE AND LEAKAGE TESTING OF ALL WATERMAINS AND DISINFECT AND

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

4.4 TRACER WIRE TO BE INSTALLED ALONG THE FULL LENGTH OF WATERMAIN AND ATTACHED TO EACH MAIN STOP AS PER CITY OF OTTAWA STANDARDS.

4.5 ALL COMPONENTS OF THE WATER DISTRIBUTION SYSTEM SHALL BE CATHODICALLY PROTECTED AS PER CITY OF OTTAWA STANDARDS.

4.6 ALL VALVES & VALVE BOXES AND CHAMBERS, HYDRANTS, AND HYDRANT VALVES AND ASSEMBLIES SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS.

4.7 ANY WATERMAIN WITH LESS THAN 2.4M COVER REQUIRES THERMAL INSULATION AS PER CITY OF OTTAWA STANDARD W22, OR AS APPROVED BY THE ENGINEER.

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.

4.9 CONNECTION TO EXISTING WATERMAIN TO BE INCLUDED IN THE COST FOR THE WATERMAIN INSTALLATION. THIS COST INCLUDES REINSTATEMENT OF ROAD CUTS TO CITY STANDARDS.

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.

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, DETOURS AS NECESSARY, BARRICADES AND SIGNS TO THE FULL SATISFACTION OF THE ENGINEER AND ROAD AUTHORITY SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

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

5.5 CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR B MATERIAL IN ACCORDANCE WITH THE 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 MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.

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

5.7 CONTRACTOR TO SUPPLY, PLACE AND COMPACT GRANULAR A MATERIAL IN ACCORDANCE WITH 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 MATERIAL MEETS THE GRADATION REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.

5.8 ASPHALT MATERIAL TO BE PLACED ONLY UPON APPROVAL BY THE GEOTECHNICAL ENGINEER OF GRANULAR A PLACEMENT 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 MATERIAL MEETS THE REQUIREMENTS SPECIFIED IN THE GEOTECHNICAL REPORT.

5.10 CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING LINE AND GRADE IN ACCORDANCE WITH THE PLANS, AND FOR PROVIDING THE ENGINEER WITH VERIFICATION PRIOR TO PLACEMENT. 5.11 DITCHES DISTURBED DURING CULVERT INSTALLATION AND GRADING OPERATIONS ARE TO BE REINSTATED TO

THEIR ORIGINAL CONDITION AND FLOWLINE GRADES. 5.12 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.

5.13 PAVEMENT STRUCTURE (MATERIAL TYPES AND THICKNESSES) FOR HEAVY DUTY AND LIGHT DUTY AREAS TO BE AS SPECIFIED IN THE GEOTECHNICAL REPORT AND SHOWN ON THE PLANS.

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

LANDSCAPED SURFACE

 \longrightarrow \longrightarrow

1.3%

×104.50 (S)HP

86.45 EX ×

PROPOSED SWALE C/W FLOW DIRECTION

LOT CORNER GRADE C/W EXISTING GROUND

TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE

HEADER PIPE

INLET AND OUTLET

HEADER INVERTS

PVC DR 35

VARY

PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE

SLOPE C/W FLOW DIRECTION

PROPOSED SWALE HIGH POINT

PROPOSED SPOT GRADE

PROPOSED SWALE GRADE

TIE INTO EXISTING GRADE

PROTECTIVE BOLLARD

HEAVY DUTY ASPHALT

RETAINING WALL

200mmø⊢ NON WOVEN NEEDLE PUNCHED SMOOTH WALL OR WOVEN MONOFILAMENT PERF PIPE GEOTEXTILE

 SMEARING OF NATIVE MATERIAL AT THE INTERFACE WITH THE GALLERY FLOOR MUST BE AVOIDED AND/OR

CORRECTED BY RAKING OR ROTO-TILLING COMPACTION OF THE GALLERY DURING CONSTRUCTION MUST BE MINIMIZED

	STM STRUCTURE TABLE								
NAME	RIM ELEV.	INVERT IN	INVERT IN AS-BUILT	INVERT OUT	INVERT OUT AS-BUILT	DESCRIPTION			
BLK24	104.90								
CB7	104.45			NE102.520		OPSD 705.010			
CB11	104.13	SW102.310		NE102.310		OPSD 705.010			
CB12	104.13			NE102.398		OPSD 705.010			
СВМН6	104.35	SW102.432		NE101.008		1500mmø OPSD-701.011			
СВМН10	104.13	SW102.190		NE101.440		1500mmø OPSD-701.011			
MH2	104.44	W101.171 W100.496		NE100.346		2400mmø OPSD-701.013			
мнз	104.38	NW101.242		E101.242		1800mmø OPSD-701.012			
MH4	104.30	SW100.831		E100.655		1500mmø OPSD-701.011			
мн9	104.46	SW101.322		SE101.282		1800mmø OPSD-701.012			
MH25	104.40	SE102.504		NE102.900		1200mmø OPSD-701.010			
MH26	104.39	SW102.797 W100.608		E100.533		1500mmø OPSD-701.011			

	SAN STRUCTURE TABLE								
NAME	NAME RIM ELEV. INVERT IN INVERT IN INVERT OUT NOT AS-BUILT DESCRIPTION								
BLK24A	104.90								
MH1A	104.66	SE102.242		NE101.662		1200mmø OPSD-701.010			
MH2A	104.45	SW100.586		NE99.987		1200mmø OPSD-701.010			

		CROSS	SING SCHEDUI	LE		
\bigcirc	375 mm ø STM	0.250 m	CLEARANCE	OVER	200 mm ø	W/M
	200 mm ø W/M	0.250 m	CLEARANCE	OVER	675 mm ø	STM
(2)	250 mm ø STM	0.500 m	CLEARANCE	OVER	200 mm ø	W/M
₹ <u>4</u>)	200 mm ø SAN	0.500 m	CLEARANCE	OVER	200 mm ø	W/M
⑤ 厂	250 mm ø W/M	0.550 m	CLEARANCE	OVER	675 mm ø	STM
6	675 mm ø STM	0.750 m	CLEARANCE	OVER	250 mm ø	SAN
⑦ □	250 mm ø W/M	2.050 m	CLEARANCE	OVER	200 mm ø	SAN
	_		_	REVISED	2019-07-04	

ROAD STRUCTURE *

LEGEND:

MH3A EXISTING SANITARY MANHOLE

CB EXISTING STREET CATCHBASIN

EXISTING STORM MANHOLE

C/CB EXISTING CURB INLET CATCHBASIN

⊗ V&VB EXISTING VALVE AND VALVE BOX

EXISTING DEPRESSED BARRIER CURB

EXISTING CONCRETE SIDEWALK

SIAMESE CONNECTION (IF REQUIRED)

⊗ V&C EXISTING VALVE AND CHAMBER

 $\bullet_{B/F}^{HYD}_{100.56}$ EXISTING HYDRANT

— — 250mmØ SUBDRAIN

METER

REMOTE METER

PRESSURE REDUCING VALVE

WATERMAIN IDENTIFICATION

INLET CONTROL DEVICE LOCATION

PIPE CROSSING IDENTIFICATION

EXISTING BARRIER CURB

EXISTING CAMPEAU DRIVE

40MM WEAR COURSE - HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE 2x50MM BINDER COURSE - HL-8 OR SUPERPAVE 19.0 ASPHALTIC CONCRETE 150MM BASE COURSE - OPSS GRANULAR "A" CRUSHED STONE 600MM SUBBASE - OPSS GRANULAR "B" TYPE II SUBGRADE - IN SITU SOIL, OR OPSS GRANULAR "B" TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

U.S.F.=104.30

SANITARY MANHOLE

REAR YARD CATCHBASIN c/w GUTTER GRADE

VALVE AND VALVE BOX

VALVE AND CHAMBER

HYD HYDRANT c/w BOTTOM OF FLANGE ELEVATION

× × PROPOSED CHAIN LINK FENCE

CLAY DYKES PER S8

CATCHBASIN c/w TOP OF GRATE

REAR YARD "END" CATCHBASIN

DEPRESSED BARRIER CURB AS PER SC1.1

MOUNTABLE CURB AS PER SC1.3

PROPOSED CONCRETE SIDEWALK

PROPOSED CHAIN LINK SLIDING GATE

PROPOSED BUILDING FINISHED FLOOR

PROPOSED UNDERSIDE OF FOOTING

PROPOSED TRANSFORMER

BARRIER CURB AND GUTTER AS PER SC1.2

STORM MANHOLE

OECB REAR YARD END S....
T/G 100.25 C/W TOP OF GRATE 3000)

EXISTING PALLADIUM DRIVE :

40MM WEAR COURSE - HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE 2x50MM BINDER COURSE - HL-8 OR SUPERPAVE 19.0 ASPHALTIC CONCRETE 150MM BASE COURSE - OPSS GRANULAR "A" CRUSHED STONE 600MM SUBBASE - OPSS GRANULAR "B" TYPE II SUBGRADE - IN SITU SOIL, OR OPSS GRANULAR "B" TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

CAR ONLY PARKING AREAS:

50MM WEAR COURSE - HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE 150MM BASE COURSE - OPSS GRANULAR "A" CRUSHED STONE 300MM SUBBASE - OPSS GRANULAR "B" TYPE II SUBGRADE - IN SITU SOIL, OR OPSS GRANULAR "B" TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

HEAVY TRUCK PARKING AREAS AND ACCESS LANES:

40MM WEAR COURSE - HL-3 OR SUPERPAVE 12.5 ASPHALTIC CONCRETE 50MM BINDER COURSE - HL-8 OR SUPERPAVE 19.0 ASPHALTIC CONCRETE 150MM BASE COURSE - OPSS GRANULAR "A" CRUSHED STONE 400MM SUBBASE - OPSS GRANULAR "B" TYPE II SUBGRADE - IN SITU SOIL, OR OPSS GRANULAR "B" TYPE I OR II MATERIAL PLACED OVER IN SITU SOIL

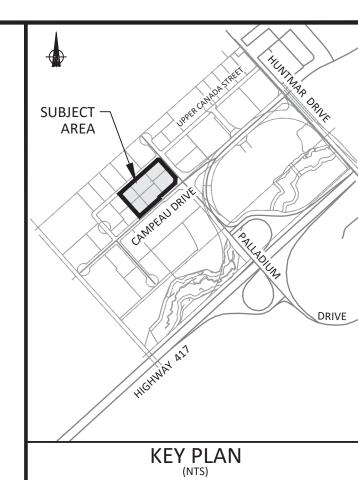
REFER TO GEOTECHNICAL REPORT BY PATERSON GROUP PG 3115 -1R DATED MAY 3, 2016

** REFER TO GEOTECHNICAL REPORT BY PATERSON GROUP PG3115-6 DATED SEPT 20, 2019

CATCH BASIN DATA TABLE											
					ELEVATION		OUTLI	ET PIPE			
	AREA	AREA STRUCTURE		TOP OF II		/ERT	DIAMETER	TVDE	HEAD	FLOW	ICD TYPE
	ID			GRATE	INLET	OUTLET	(mm)	TYPE			
CB1	CB1	OPSD 705.010	S19	104.35		103.250	200	PVC DR-35	1.15	44.0	Tempest HF Type D
CB2	CB2	OPSD 705.010	S19	104.50		103.000	200	PVC DR-35			Туре В
CB3	CB3	OPSD 705.010	S19	104.25	103.000	102.750	200	PVC DR-35			
CB4	CB2	OPSD 705.010	S19	104.40	102.860	102.850	200	PVC DR-35			
CB5	CB5	OPSD 705.010	S19	104.35	102.850	102.850	200	PVC DR-35			
CB13	CB5	OPSD 705.010	S19	104.50		103.000	200	PVC DR-35			
СВМН6	СВМН6	OPSD 701.011	S25 & S28.1 Open	104.35	102.432	101.008	675	CONC 100D			
CB7	CB7	OPSD 705.010	S19	104.45		102.520	375	PVC DR-35			
CB8	CB8	OPSD 705.010	S19	104.13		102.630	250	PVC DR-35			
CB9	CB9	OPSD 705.010	S19	104.13		102.630	250	PVC DR-35			
CBMH10	CBMH10	OPSD 701.011	S25 & S28.1 Open	104.13	102.190	101.440	750	CONC 100D			
CB11	CB11	OPSD 705.010	S19	104.13	102.310	102.310	375	PVC DR-35			
CB12	CB12	OPSD 705.010	S19	104.13		102.398	375	PVC DR-35			
МНЗ		OPSD 701.012	Closed lid			101.242	450	CONC 100D	2.91	130.0	Tempest HF Type E
МН4		OPSD 701.011	Closed lid			100.655	450	CONC 100D	3.72	110.0	Tempest HF Type E

Bold font indicates CB's with ICD's

			WATERMAIN SCHED	ULE		
		Station	Description	Finished Grade	Top of Watermain	As Built Watermain
(A)	Α	0+000.00	TEE 250mm x 200mm	104.36	101.96	
		0+007.00	V&VB 200mm	104.48	102.08	
		0+076.56	HY DRANT TEE	104.68	102.28	
		0+082.12	45° BEND	104.70	102.30	
		0+092.07	45° BEND	104.74	102.34	
		0+149.06	HY DRANT TEE	104.73	102.33	
		0+168.65	VERTICAL BEND	104.73	102.33	
		0+169.15	VERTICAL BEND	104.72	99.44	
		0+172.88	VERTICAL BEND	104.71	99.44	
		0+173.38	VERTICAL BEND	104.71	102.31	
		0+175.83	SERVICE TEE	104.69	102.29	
		0+202.54	V&VB 200mm	104.49	102.09	
(\mathbf{B})	В	0+218.84	TEF 200mm x 200mm	104.20	101.80	



. SEE DETAIL DRAWING C-010 FOR ADDITIONAL DETAILS AND NOTES.

. SITE BENCHMARK TO BE OBTAINED FROM LEGAL SURVEYOR STANTEC GEOMATICS.

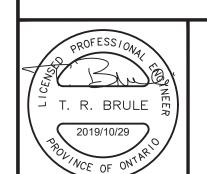
14			
13			
12			
11			
10			
9			
8			
7			
6			
5			
4	REVISED AS PER CITY COMMENTS	T.R.B.	2019:10:29
3	REVISED AS PER CITY COMMENTS	T.R.B.	2019:09:30
2	INTERIM SUBMISSION - KINAXIS INTERIORS	T.R.B.	2019:08:12
1	ISSUED FOR SPA	T.R.B.	2019:07:09
No.	REVISIONS	Ву	Date

PC KANATA **DEVELOPMENTS**



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

KINAXIS



Revision: 2019-09-21

GENERAL NOTES,

N.T.S.

JULY 2019 DPS/DD/EH Drawing No. 121693

#17988

