

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 NUMBER 4M-1554 BY STANTEC GEOMATICS LIMITED

1.8 REFER TO SITE PLAN (DRAWING NO A1-176) BY TURNER FLEISCHER FOR SITE PLAN LAYOUT. 1.9 REFER TO LANDSCAPE ARCHITECTURAL DRAWINGS (DRAWING NO. L1-L4) BY IBI GROUP FOR SURFACE FEATURES DETAILS.

1 10 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 ALI 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

CLOTHS 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. 1.11 ALL IRON WORK ELEVATIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR ADJUSTMENTS AS DETERMINED BY THE ENGINEER.

1.12 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.

1.13 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.

1.14 ALL CONSTRUCTION TRAFFIC TO ACCESS SITE FROM PALLADIUM DRIVE. 1.15 FOR DETAILS OF TEST PITS SEE GEOTECHNICAL REPORT.

1.16 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 THE CITY.

1.17 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.

1.18 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. 1.19 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 1.20 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. 1.21 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. 1.22 ALL DISTURBED BOULEVARDS TO BE REINSTATED WITH SOD ON 100mm TOPSOIL.

1.23 UTILITY DUCTS TO BE INSTALLED PRIOR TO ROAD BASE CONSTRUCTION. 1 24 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.

2.0 SANITARY

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.

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.

3.0 STORM

PER MANUFACTURER'S INSTRUCTIONS. ONLY FACTORY FITTINGS TO BE USED. STORM SEWER MATERIALS TO BE: 375mmØ AND SMALLER - PVC DR 35. 3.2 ALL STORM MAINTENANCE HOLES TO BE SIZED IN ACCORDANCE WITH THE PLANS AND AS PER CITY OF

> <u>EGEND:</u> ●^{MH2A} EXISTING SANITARY MANHOLE & NUMBER EXISTING STORM SEWER & FLOW DIRECTION EXISTING SANITARY SEWER & FLOW DIRECTION • EXISTING FIRE HYDRANT ^{⊗ V&VB} EXISTING WATER VALVE BOX ⊗^{V&C} EXISTING WATER VALVE CHAMBER ⊗^{BVC} EXISTING BOUNDARY VALVE CHAMBER EXISTING CATCHBASIN EXISTING CURB = = = EXISTING CURB TO BE REMOVED EXISTING DEPRESSED CURB EXISTING DEPRESSED CURB WITH RAMP ×101.37 EXISTING GRADE STANTEC PICKUP 2017-11-23 ¹⁰¹²⁵ EXISTING GRADE IBI GRADING PLAN EXISTING DITCH AND FLOW DIRECTONI ŢŢ EXISTING SIAMESE CONNECTION (M) EXISTING METER (RM) EXISTING REMOTE METER PRV EXISTIG PRESSURE REDUCING VALVE ---- EXISTING CLAY DYKE HEAVY DUTY PAVING AREA CONCRETE PAD 2.6 |/s| CONTROLLED ROOF RELEASE RATE

PAVEMENT STRUCTURE
IGHT DUTY
0mm 12.5 SUPERPAVE 50mm GRANULAR 'A' 00mm GRANULAR 'B'
IEAVY DUTY

40mm 12.5 SUPERPAVE 50mm 19.0 SUPERPAVE 150mm GRANULAR 'A'

450mm GRANULAR 'B'

3.3 STORM MH	I COVERS TO BE OP	EN TYPE, AS PER CITY STANDARD S24, FRAMES TO BE PER CITY OF OTTAWA			CAMF			
STD. S25. CON 3.4 STORM MA	ITRACTOR TO INSTA	ALL FILTER FABRIC UNDER STORM MH COVER UNTIL SODDING IS COMPLETE. TO BE OPSD, SIZE AS SPECIFIED, TAPER TOP.	8	y —	N.T.S.			
S19.1. 3.6 150mm DIA HEAVY DUTY F HEAVY DUTY F 3.7 ANY STORI OTTAWA STAN 3.8 CONNECTION 3.8 CONNECTION 3.9 CONTRACT REVIEW PRIOF 3.10 TRENCH D 4.1 ALL WATEF STANDARDS. A 4.2 THRUST BL	METER SOCK-WRAF ROAD STRUCTURE I ROADS AS IDENTIFIE M SEWER WITH LES IDARD W22, OR AS / ON TO THE EXISTIN . THIS INCLUDES RE TO ORDERING ICC DRAINS SHALL BE E RMAINS TO BE PVC ALL DOMESTIC WAT	PER OPSD 705.010, FRAME & FISH TYPE GRATE AS PER CITY OF OTTAWA STD. PPED PERFORATED PVC SUBDRAINS TO BE INSTALLED AT THE LIMIT OF THE WHERE IT MEETS THE LIGHT DUTY ROAD STRUCTURE AND AT ALL CB'S IN ED ON PLAN. SUBDRAINS TO DISCHARGE TO CB'S AS SHOWN. S THAN 2.0m COVER REQUIRES THERMAL INSULATION AS PER CITY OF APPROVED BY THE ENGINEER. G STORM SEWER TO BE INCLUDED IN THE COST FOR STORM SEWER EINSTATEMENT OF ROAD CUT TO CITY STANDARDS. EX-TEMPEST MHF ICD'S SHOP DRAWINGS, OR EQUIVALENT, FOR ENGINEERS I'S. QUIVALENT TO ZURN Z882-HDG. DR 18, WITH MINIMUM COVER OF 2.4m AND INSTALLED PER CITY OF OTTAWA ER SERVICES ARE TO BE 200mmØ. LLED AT ALL BENDS, TEES, AND CAPS ALL AS PER OPSD 1103.01 AND 1103.02. PRESSURE AND LEAKAGE TESTING OF ALL WATERMAINS AND DISINFECT AND	14 13 12 11 10 9 8 7 6 5					
4.4 TRACER W		O THE SATISFACTION OF M.O.E. AND THE CITY OF OTTAWA. ED ALONG THE FULL LENGTH OF WATERMAIN AND ATTACHED TO EACH MAIN TANDARDS.	4	RE-ISSUED FOR SI	ΓΕ PLAN	JIM	18:06:06	
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		PROPOSED STORM MANHOLE & NUMBER		223 McLeod Street T: 613.730.5709 e				
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	+ HYD	PROPOSED FIRE HYDRANT		9	Yonge Street Suite 500		t	
	⊗ ^{V&VB}	PROPOSED WATER VALVE BOX		1	nto, Ontario M4P 1E4 6) 646 8330			
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3		PROPOSED DITCH AND FLOW DIRECTON	Dra	wing Name :	PR	FESS/G	Mr X	
		SIAMESE CONNECTION		NOTES	I I I I I I I I I I I I I I I I I I I	Maff		
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	(RM) PRV	REMOTE METER PRESSURE REDUCING VALVE				2018/06/0		
	(A)	WATERMAIN IDENTIFICATION		no + 1/15-				3
	(N) (33)	PIPE CROSSING IDENTIFICATION		^{wn by :} D.P.S.	Date : Scale :		I. 2018 .T.S.	2
		CLAY DYKE	Che	ecked by : J.I.M.	Design :	Ν	И.В.	001
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INSTALLATION. THIS INCLUDES REINSTATEMENT OF ROAD CUT TO CITY STANDARDS. 3.9 CONTRACTOR TO PROVIDE IPEX-TEMPEST MHF ICD'S SHOP DRAWINGS, OR EQUIVALENT, FOR E REVIEW PRIOR TO ORDERING ICD'S. 3.10 TRENCH DRAINS SHALL BE EQUIVALENT TO ZURN Z882-HDG. 4.0 WATER 4.1 ALL WATERMAINS TO BE PVC DR 18, WITH MINIMUM COVER OF 2.4m AND INSTALLED PER CITY OF 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. OTTAWA. SUCH ADDITIONAL MEASURES MAY INCLUDE BUT NOT BE LIMITED TO INSTALLATION OF FILTER 4.3 CONTRACTOR TO CONDUCT PRESSURE AND LEAKAGE TESTING OF ALL WATERMAINS AND DIS CHLORINATE ALL WATERMAINS TO THE SATISFACTION OF M.O.E. 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MH2A PROPOSED SANITARY MANHOLE & NUME PROPOSED STORM SEWER & FLOW DIRE PROPOSED SANITARY SEWER & FLOW D ♦^{HYD} PROPOSED FIRE HYDRANT ⊗^{V&VB} PROPOSED WATER VALVE BOX ⊗^{V&C} PROPOSED WATER VALVE CHAMBER ⊗^{BVC} PROPOSED BOUNDARY VALVE CHAMBER PROPOSED CATCHBASIN PROPOSED CURB PROPOSED DEPRESSED CURB PROPOSED DEPRESSED CURB WITH RAI x101.25 PROPOSED GRADE ------ PROPOSED DITCH AND FLOW DIRECTON ŢŢ SIAMESE CONNECTION M METER (RM) REMOTE METER PRV PRESSURE REDUCING VALVE (A) WATERMAIN IDENTIFICATION (33) PIPE CROSSING IDENTIFICATION ---- CLAY DYKE RAISED CROSSWALK TRANSFORMER C/W BOLLARDS • 🖾 •

OVERLAND FLOW ROUTE

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