

LIGHT SCHEDULE VOLTAGE LAMP DESCRIPTION 120V 1-71W LED PROPOSED LITHONIA LIGHTING DSX0 LE 40K LCCO MVOLT - LED LANTERN STYLE LUMINAIRE ON A M30 BRACKET AND RA 804 POLE, REFER TO THE FOLLOWING CATALOGUE NUMBERS : • DSX0 LED P3 40K LCCO MVOLT (LUMINAIRE) • SSS 15 4C DM29AS DNAXD CAD - 15'	D P1 G (POLE)	ROTHBURY CR PROVEN	BURMA SWM POND DRAYTON PRIVATE	SITE	
2#8 AWG (B,W) + #8 GND (TYP) DIMMER IN 75mm Ø CONDUIT + TIMER POWER SL1 SL2 SOURCE 38W 38W			MONTREAL RD		
LIGHTING SCHEMATIC (NTS)	<u>NORTH</u>	KEY PLAN N.T.S.	DR	,	
LEGEND					
Sommø WM PROPOSED WATER SERVICE PROPOSED SANITARY SEWER AN SAN MH 1 O STM MH 2	D MANHOLE SP	EXISTING FIRE HYDRANT EXISTING VALVE CHAMBER EXISTING STANDPOST PROPOSED STANDPOST	G G <i>EXI</i> В В <i>EXI</i> R R <i>EXI</i>	STING GASMAIN STING BELL CABLE STING ROGERS CABLE	
EXISTING STORM SEWER AND MA STM147E 250mmØ SAN EXISTING SANITARY SEWER AND	NHOLE	PROPOSED BEND	— н — н — <i>ехн</i>	STING HYDRO CABLE STING BELL/TELUS/	
SAN100 <u>150mmØ</u> WM (PVC) EXISTING WATERMAIN		(AS PER CITY DETAIL SC1.1) PROPOSED DEPRESSED CURB (AS PER CITY DETAIL SC1.1)		POSED WATER METER	
CB D PROPOSED CATCHBASIN EXISTING INFRASTRUCTURE TO B		PROPOSED SIDEWALK		KWATER VALVE	
PROPOSED SOAKAWAY PIT (REFER TO 119066-DET) PROPOSED ROAD CUT REINSTATE	EMENT	(BY OTHERS)	O DP-I PRO (TO	TER METER)POSED DOWNPIPE DRAIN TO SOAKAWAY PIT) PROSED DOWNPIPE	
(PER CITY DETAIL R10) PROPOSED STREETLIGHT POLE AN LUMINAIRE (SEE DETAILS ABOVE)	ال الم ريم الم	SIDEWALK (BY OTHERS) PROPOSED STREET LIGHT CONDUIT	UDP-S PRO (TO	DOSED DOWNPIPE DRAIN TO SURFACE)	
GENERAL NOTES:		SEWER NOTES:			
 COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRAIL DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND EL PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND AS EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DR OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM COMMENCING CONSTRUCTION. BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROV RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$5,000,0 	EVATION OF ALL EXISTING UTILITIES SSUME RESPONSIBILITY FOR ALL AWING. THE CITY OF OTTAWA BEFORE IDE PROOF OF COMPREHENSIVE, ALL 200.00. INSURANCE POLICY TO NAME	1. SPECIFICATIONS: <u>ITEM</u> CATCHBASIN (600x600mm) STORM / SANITARY MANHOLE (CB, FRAME & COVER STORM / SANITARY MH FRAME SEWER TRENCH - BEDDING (GF COVER (GRANULAI WITH MAXIMUM PA STORM SEWER	SPEC. No. 705.010 1200Ø) 701.010 400.020 & COVER 401.010 RANULAR A) R A OR GRANULAR B TYPE I, RTICLE SIZE=25mm) PVC DR 35	REFERENCE OPSD OPSD OPSD OPSD	
 OWNERS, ENGINEERS AND ARCHITECTS AS CO-INSURED. RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, IN ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS THE CITY OF OTTAWA AND ENCINEER 	NCLUDING TRENCHES AND SURFACES OR BETTER TO THE SATISFACTION OF	SANITARY SEWER CATCHBASIN LEAD 2. INSULATE ALL PIPES (SAN/STM) INSULATION PROVIDE 150mm CI	PVC DR 35 PVC DR 35 THAT HAVE LESS THAN 1.5m COVER W	(ITH 50mmX1200mm HI-40	
 REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, O UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVAT CONTAMINATED MATERIAL. ALL CONTAMINATED MATERIAL LICENSED LANDFILL FACILITY. 	RGANIC MATERIAL AND DEBRIS E AND REMOVE FROM SITE ANY . SHALL BE DISPOSED OF AT A	 SERVICES ARE TO BE CONSTRUCTED TO 1.0m FROM FACE OF BUILDING AT A MINIMUM SLOPE OF 0.5%. PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 98% OF THE 			
 ALL ELEVATIONS ARE GEODETIC. REFER TO THE GEOTECHNICAL INVESTIGATION REPORT (R SEPTEMBER 13, 2019, PREPARED BY PATERSON GROUP INC. 	EPORT NO. PG4965-1, DATED C.) FOR SUBSURFACE CONDITIONS,	 5. FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTING PIPES TO MANHOLES (FOR EXAMPLE KOR-N-SEAL, PSX: POSITIVE SEAL AND DURASEAL). THE CONCRETE CRADLE FOR 			
CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONE TO PLACEMENT OF THE GRANULAR MATERIAL. 9. REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DR.	INSPECTION REQUIREMENTS. THE DITIONS AFTER EXCAVATION PRIOR	 THE PIPE CAN BE ELIMINATED. 6. THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 410.07.16, 410.07.16.04 AND 407.07.24. DYE TESTING IS TO BE 			
HARDSURFACE AREAS AND DIMENSIONS.10. REFER TO SITE SERVICING AND STORMWATER MANAGEME BY NOVATECH ENGINEERING CONSULTANTS LTD.	NT REPORT (R-2019-094) PREPARED	COMPLETED ON ALL SANITARY S SANITARY SEWER MAIN. THE FIE CERTIFIED PROFESSIONAL ENG RESULTS.	SERVICES TO CONFIRM PROPER CONFILD TESTS SHALL BE PERFORMED IN INTER WHO SHALL SUBMIT A CERTIFIE	IECTION TO THE I'HE PRESENCE OF A ED COPY OF THE TEST	
 SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND CITY OF OTTAWA STANDARDS (R10). PROVIDE LINE/PARKING PAINTING. 	D ASPHALT TIE IN POINTS AS PER	 STORM MANHOLES AND CBMHS UNLESS OTHERWISE INDICATED CONTRACTOR TO TELEVISE (CC BASE COURSE ASPHALT. UPON OF DESCRIPTION OF TO FLUCTURE AND OF 	ARE TO HAVE 300mm AND 600mm SUM TV) ALL PROPOSED SEWERS, 200mm@ COMPLETION OF CONTRACT, THE COM	IPS RESPECTIVELY, OR GREATER PRIOR TO TRACTOR IS	
 CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENE ALL SERVICING AS-BUILT INFORMATION SHOWN ON THIS PL INCLUDE: PIPE MATERIAL, SIZES, LENGTHS, SLOPES, INVER LOCATIONS, VALVE AND HYDRANT LOCATIONS, T/WM ELEV/ CHANGES, ETC. 	ERAL PLAN OF SERVICES INDICATING LAN. AS-BUILT INFORMATION MUST T AND T/G ELEVATIONS, STRUCTURE ATIONS AND ANY ALIGNMENT	 ALL STORM AND SANITARY SERVICES SHALL BE EQUIPPED WITH BACKFLOW PREVENTERS AS PER THE CITY OF OTTAWA STANDARD DETAILS S14 AND S14.1 OR S14.2. EOR SOAKAWAY BIT DETAILS, BEEER TO DRAWING 110066 DET 			
14. REFER TO TOPOGRAPHICAL PLAN OF SURVEY (BLOCK 29-R O'SULLIVAN VOLLEBEKK FOR DETAILS OF THE EXISTING SIT	EGISTERED PLAN 4M-1581) BY ANNIS, E.	 FOR SOAKAWAY PIT DETAILS, RE All PROPOSED COVER FRAMES I ROADWAY OR THE SIDEWALK SE TOPS/CAPS AS PER S.P. NO. F-40 	LOCATED OUTSIDE OF THE TRAVELLEI HALL BE ANCHORED DIRECTLY TO THE 170 (SAN MH1 AND STM MH1)) PORTION OF THE E TOPS OF THE PRECAST	
CRITICAL SEWER PIPE CROSSI CROSSING LOWER PIPE HIGH	ING TABLE ER PIPE CLEARANC	WATERMAIN NOTES:			
O EX. 250mm Ø SAN OBV67.85± 250mm Ø ② 250mm Ø STM OBV.=89.65 EX. 400mm ③ 200mm Ø SAN OBV.=88.93 EX. 400mm ④ 200mm Ø STM OBV.=89.77 200mm Ø	N M NV89.37 1.52m± n Ø WM B/W=90.10± 0.45m± n Ø WM B/W=90.10± 1.17m± SAN INV.=89.92 0.15m	1. SPECIFICATIONS: <u>ITEM</u> WATERMAIN TRENCHING THERMAL INSULATION IN SHAI WATERMAIN	SPEC. No. W17 LLOW TRENCHES W22 COPPER "TYPE	REFERENCE CITY OF OTTAWA CITY OF OTTAWA K"	
50mmØ WATER SERVICE TABLE STATION SURFACE ELEVATION T/WM ELEVATION CO	E MMENTS	2. SUPPLY AND CONSTRUCT ALL V THE CITY OF OTTAWA STANDAR BACKFILL AND RESTORATION O AND SHUT-OFFS AT THE MAIN A	VATERMAINS AND APPURTENANCES I RDS AND SPECIFICATIONS. EXCAVATIO F ALL WATERMAINS BY THE CONTRAC ND CHLORINATION OF THE WATER SY	N ACCORDANCE WITH IN, INSTALLATION, ITOR. CONNECTIONS ISTEM SHALL BE	
0+00 93.8± 91.4± TVS CON 0+14.9 94.38 91.98 STANDPOS 0+16.6 94.46 92.06 CAP 1m FR	NECTION TO EXISTING 400mmØ WM ST AT PROPERTY LINE COM BUILDING FACE	 YERFORMED BY CITY OFFICIALS WATERMAIN SHALL BE MINIMUM PROVIDE MINIMUM 0.50m VERTION 	5. / 2.4m DEPTH BELOW GRADE UNLESS CAL CLEARANCE BETWEEN OUTSIDE (OTHERWISE INDICATED. OF PIPES AT ALL	
INLET CONTROL DEVICE DATA - CB1		CROSSINGS WHEN WATERMAIN WHEN WATERMAIN IS ABOVE. 5. WATER SERVICE IS TO BE CONS	STRUCTED TO WITHIN 1.0m OF FOUND	'ERTICAL CLEARANCE	
ICD TYPE: TEMPEST LMF ICD VORTEX 98 (AS PER S4.1) DIAMETER OF OUTLET PIPE: 200mm DESIGN DESIGN FLOW DESIGN WATER VOLUME EVENT (L/s) HEAD (m) ELEVATION (m) (m³)		6. CONTRACTOR TO INVESTIGATE AND IF EXISTING, THE EXISTING SERVICE TO BE BLANKED AT TH	NDICATED. THE PRESENCE OF AN EXISTING WAT S STAND POST TO BE REMOVED AND T IE MAIN.	ER SERVICE ON SITE HE EXISTING WATER	
1:5 YR 10.1 1.46 92.16 1.3 1:100 YR 10.3 1.52 92.22 6.2		REFER TO 119	0066-DET FOR ADDITIC	NAL DETAILS	
FOR REVIEW ONLY SITE LIGHTING:		LOCATION CITY OF OTTAWA			
PROFESSION S	Engineers. Planners & Landscar	CH DRAWING NAME	DAD (BLOCK 29)	PROJECT No.	
G.J. MacDONALD	Suite 200, 240 Michael Cowp Ottawa, Ontario, Canada K Telephone (61	GENERAL PL	AN OF SERVICES	119066-00 REV REV # 5	
NOL NCE OF ONTARY	Facsimile (61. Website www.novate	3) 254-5867 ch-eng.com	TING	DRAWING No. 119066-GP	

INLET CONTROL DEVICE DATA - CB1							
ICD TYPE: TEMPEST LMF ICD VORTEX 98 (AS PER S4.1) DIAMETER OF OUTLET PIPE: 200mm							
DESIGN EVENT	DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	VOLUME (m ³)			
1:5 YR	10.1	1.46	92.16	1.3			
1:100 YR	10.3	1.52	92.22	62			

					SCALE	DESIGN	FOR REVIEW ONLY	
						LGB	SITE LIGHTING:	
-	5.	PARKING LOT LIGHTING ADDED	19 DEC 2019 08 NOV 2019	GJM GJM	1:200	JAG DRAWN		S CHARTER E
-	3.		18 SEPT 2019	GJM	1:200 0 2 4 6 8	CHECKED		G.J. MacDONALD S
-	1.	ISSUED FOR SITE PLAN APPROVAL	22 JUN 2019	GJM		LGB/JAG		BUNCE OF ONTARIO
	No.	REVISION	DATE	BY		GJM		