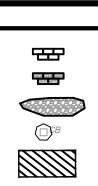
UTILITY LEGEND

	TRANSFORMER	• MH118A	SANITARY MANHOLE
	TRANSFORMER C/W CONCRETE WINGS	200mmø SAN	SANITARY SEWER
HSG	HYDRO SWITCHGEAR	^{МН109} О МН118	STORM MANHOLE
НМН	HYDRO MANHOLE	825mmø STM	STORM SEWER - LESS THAN 900Ø
	BELL PEDESTAL	900mmø STM	STORM SEWER - 900Ø AND GREATER
GLB	BELL GRADE LEVEL BOX (I=600mm, w=1200mm, d=750mm) C/W 1.5 x 3.0m easement	200Ø WATERMAIN	WATERMAIN
FC	BELL FIBER CABINET (I=1200mm, w=750mm, d=500mm)	CB100 T/G 104.10	STREET CATCHBASIN C/W TOP OF GRATE
CSP	BELL CENTRAL SPLITTING POINTS (I=1175mm, w=1200mm, d=500mm)	CICB101 G/G 104.25	CURB INLET CATCHBASIN C/W GUTTER GRADE
	ROGERS PEDESTAL	DCB100 T/G 104.10	DOUBLE CATCHBASIN C/W TOP OF GRATE
\boxtimes	ROGERS VAULT (I=1000mm, w=1000mm, d=1200mm) C/W 1m x 2m easement	DCICB101 G/G 104.25	DITCH INLET CATCHBASIN C/W GUTTER GRADE
P30 ^{0−−}	STREET LIGHT	СВМН100 Т/G 103.59	CATCHBASIN MANHOLE C/W TOP OF GRATE
D	STREET LIGHT DISCONNECT	CBMH101 T/G 103.59	DITCH INLET MANHOLE C/W TOP OF GRATE
— þ	STREET LIGHT GROUNDING	■ RYCB T/G 104.35	REAR YARD CATCHBASIN IN ROAD CONNECTING STRUCTURE
———Н/В/Т/G/S———	JOINT UTILITY TRENCH		
н	HYDRO CABLE AND DUCTS	T/G 104.35 INV 103.35	REAR YARD "TEE" CATCHBASIN (300Ø) C/W TOP OF GRATE AND INVERT OUT
в	BELL CABLE	GT/G 104.50 NV 103.50	REAR YARD "END" CATCHBASIN (300Ø) C/W TOP OF GRATE
BB	BELL DUCTS		
T	ROGERS CABLE	LT/G 104.35 INV 103.35	REAR YARD "CUSTOM ANGLED " CATCHBASIN (450Ø) C/W TOP OF GRATE AND INVERT OUT
TT	ROGERS DUCTS	L T/G 104.35	REAR YARD "THREE WAY" CATCHBASIN (450Ø) C/W TOP OF
G	GAS	~ INV 103.35	GRATE AND INVERT OUT
S	STREET LIGHT CABLE	300mmø CSP	
	UTILITY DROP LOCATIONS	 ⊗ V&∨B	CSP CULVERT C/W DIAMETER
		⊗ ^{V&VC}	
<u>10-DUCTS</u> 6-H	CONCRETE ENCASED DUCT BANK C/W NUMBER OF DUCTS	♦ HYD 104.35	
4-T	COMMUNITY MAILBOX	● 104.35 200ø WM RED 150ø WM	FIRE HYDRANT C/W BOTTOM OF FLANGE ELEVATION
		2, VBENDS	
	PROPOSED TREE LOCATION		
$(\cdot \cdot)$	ROOT MANAGEMENT BARRIER	\triangleleft	
		BH 12 102.00	DOUBLE SERVICE LOCATION
			INFERRED BEDROCK (SEE GEOTECHNICAL REPORT)
SEDIMENT E	ROSION LEGEND	<u>HGL</u> 101.79 _{S/T}	100 YEAR STORM HYDRAULIC GRADE LINE AT MANHOLE
	HEAVY DUTY SILT FENCE	<u> </u>	STRESS TEST STORM HYDRAULIC GRADE LINE AT MANHOLE
	SNOW FENCE	<u>108</u> 102.40	UNDERSIDE OF FOOTING ELEVATION (WITH LOT #)



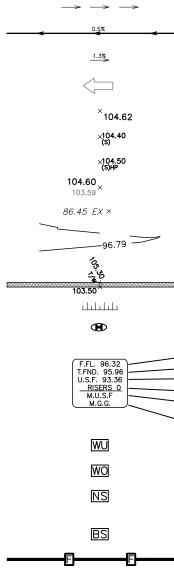
SNOW FENCE STRAW BALE CHECK DAM STRAW BALE CHECK DAM WITH FILTER CLOTH ROCK CHECK DAM SEDIMENT SACK PLACED UNDER EXISTING CB COVER TEMPORARY MUD MAT 0.15m THICK 50mm CLEAR STONE ON NON WOVEN FILTER CLOTH

GENERAL LEGEND

BUS

LIMIT OF CONSTRUCTION PHASING LINE BARRIER CURB MOUNTABLE CURB DEPRESSED BARRIER CURB CONCRETE SIDEWALK —— TACTILE WALKING SURFACE INDICATOR ASPHALT SIDEWALK / PATHWAY BUS STOP CONCRETE / ASPHALT





ING LEGEND

CLAY SEAL IN SEWER / WATERMAIN TRENCH

- PROPOSED SWALE C/W FLOW DIRECTION PROPOSED DITCH C/W FLOW DIRECTION AND SLOPE SLOPE C/W FLOW DIRECTION MAJOR OVERLAND FLOW ROUTE PROPOSED SPOT GRADE PROPOSED SWALE GRADE PROPOSED SWALE HIGH POINT GRADE LOT CORNER GRADE C/W EXISTING GRADE TIE INTO EXISTING GRADE FULL STATIC PONDING GRADE RETAINING WALL C/W TOP OF WALL AND GRASS GRADE
 - **TERRACING 3:1 MAXIMUM UNLESS NOTED OTHERWISE** PRESSURE REDUCING VALVE
 - FINISHED FLOOR ELEVATION
 - UNDERSIDE OF FOOTING ELEVATION - TOTAL NUMBER OF RISERS
 - MINIMUM UNDERSIDE OF FOOTING (Based on the higher of the sewer obverts, or hydraulic grade line) MINIMUM GARAGE GRADE
 - WALKUP UNIT
 - WALKOUT UNIT
 - NON-STANDARD FOUNDATION
 - (Frost cover not provided for standard unit)
 - BACKSPLIT UNIT (1.5m frost cover on footings)
 - NOISE FENCE LOCATION

APPROVED

By Sean Moore at 3:52 pm, Dec 09, 2021

SEAN MOORE (A) MANAGER, SOUTH BRANCH PLANNING, INFRASTRUCTURE & ECONOMIC **DEVELOPMENT DEPARTMENT, CITY OF OTTAWA**

CATCHBASIN/CATCHBASIN MANHOLE/DITCH INLET

					ELEVATION		OUTLE	T PIPE		INLET CONTR	OL DEVICE	
STRUCTURE ID	STORM	STRUCTURE	FRAME &	TOP OF	INV	/ERT	DIAMETER			RESTRICTED FLOW		COMMENTS
	AREA ID	OTROOTORE	COVER	GRATE	INLET	OUTLET	(mm)	ΤΥΡΕ	100yr HEAD	(I/s)	ICD TYPE	
CB4		OPSD 705.010	S19	96.50		95.10	200	PVC DR35	1.500	45.00	IPEX HF	
CB4 CB4A	<u> </u>	OPSD 705.010	\$19 \$19	96.50		95.10	200	PVC DR35	1.500	45.00	IPEX HF	
CB5		OPSD 705.010	S19	96.10	94.65	94.60	200	PVC DR35	1.000	10.00		Controlled @ MH6
CB5A	<u>\$5</u>	OPSD 705.010	S19	96.10		94.70	200	PVC DR35				Controlled @ MH6
RYCB1	R3	OPSD 705.010	S19	96.05		94.40	200	PVC DR35	1.550	35.00	IPEX HF	<u> </u>
RYCB2	R4	OPSD 705.010	S19	96.00		94.33	200	PVC DR35	1.570	35.00	IPEX HF	
RYCB3		OPSD 705.010	S19	96.00	94.90	94.85	250	HDPE				
MH6	S 5	OPSD 701.010	S24 &S25	96.13	94.50E 95.10W 94.50S	94.00E	200	PVC DR35	2.300	24.00	IPEX MHF	c/w solid cover
										184.00		

NO	TES :			
OTTAWA		S TO BE IN ACCORDANCE WITH CIFICATIONS OR OPSD/OPSS IF		
MATERIA CONSTR	L AND ELEVATION OF ALL EXIS	OR DETERMINING THE EXACT L STING SERVICES AND UTILITIES AND ASSUME RESPONSIBILITY RAWINGS.	PRIOR TO	
RESIDEN	TIAL DEVELOPMENT REMER	FER TO GEOTECHNICAL INVES AND IDONE LANDS OTTAWA, ON I, PREPARED BY GOLDER ASSO	TARIO REPORT	
TOPOGR	APHICAL SURVEY AND PLAN C	METRIC LAYOUT OF STREET AN OF SUBDIVISION PREPARED BY ON CAN-NET VIRTUAL REFEREN	ANNIS O'SULLIVAN	
FILLED W SUBGRA	/ITH ACCEPTABLE NATIVE EAF	DE RAISE TO PROPOSED SUB G RTH BORROW OR IMPORTED OP RIAL IS DEFICIENT AS PER REC	SS SELECTED	
WATERN RECOMM	IAINS, GRADE RAISING AND FII IENDATIONS OF THE GEOTECH IAINS IN FILL AREAS ARE TO B	S BELOW THE PROPOSED ELEV LLING IS TO BE IN ACCORDANCI HNICAL REPORT. AS PER CITY O E TIED WITH RESTRAINING JOIN	E WITH THE GUIDELINES ALL	
	O DRAWING 031 FOR ROADWA	AY CROSS SECTIONS.		
		ESTABLISHED OR UNTIL START		
CONSTR		PLACED AND MAINTAINED IN E TRAPS TO REMAIN AND BE MAIN ICABLE).		
GEOTEX GEOTEX CATCHB/	TILE SILT SACK IN STREET CBS TILE FABRIC IN RYCBS TO REM	AINED UNDER COVER OF ALL C S TO REMAIN UNTIL ALL CURBS IAIN UNTIL VEGETATION IS EST/ PECTED AND CLEANED, AS NEC	ARE CONSTRUCTED. ABLISHED. ALL	
		TERMAINS ARE TO BE COMPLET FILL, COMPACT AND REINSTAT		
DATA TA		ICB'S CONNECTED TO MAIN SHA ADS FOR RYCB'S CONNECTED T NLESS NOTED OTHERWISE.		
14. THE CC THE DES AND AS S	MPOSITE UTILITY PLAN HAS B IGN CONCEPT FOR THE DEVE	CALED OR USED FOR LAYOUT F BEEN REVIEWED BY IBI GROUP I LOPMENT AND FOR GENERAL A E CONTRACTOR OF RESPONSIE RKMANSHIP.	FOR CONFORMITY TO RRANGEMENT ONLY	14 13 12
ANY WAY RESPEC TO BE US THE CON EXISTING CABLE T	Y THAT THE PARTY SIGNING TH FIVE UTILITY PLANTS INDICATE SED AS REFERENCE ONLY AS ITRACTORS RESPONSIBILITY DESIGNS BY HYDRO, STREE V AND ANY OTHER PARTIES IN ATION IN ACCORDANCE WITH	OTHER UTILITY DESIGNS AND HIS DRAWING HAS DESIGNED O ED ON THIS DRAWING. THE DRA PER REQUIREMENTS OF THE C TO ENSURE IT HAS REVIEWED T T LIGHTING, BELL, CANADA POS ICLUDED BUT NOT MENTIONED THE REQUIREMENTS OF THE ST	R APPROVED THE WING WAS PREPARED ITY OF OTTAWA. IT IS THE CURRENT AND ST, O.C. TRANSPO, AND COMPLETE THE	11 10 9 8 7
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		LE FOR KEEPING CLEAN ALL RO JD AS A RESULT OF ITS CONSTI		1 SUBMI No.
ROA	DWAY STRUCT	<u>URE:</u>		H
	OAD :(615mm)			
40m 50m 150r 400r	m - SUPERPAVE 19.0 ASF nm - OPSS GRANULAR "A"	PHALTIC CONCRETE CRUSHED STONE		
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