

#### GENERAL NOTES

FAIRHALL, MOFFAT & WOODLAND DRAWING V22200 AND CANNOT BE RELIED UPON TO BE ACCURATE OR COMPLETE. THE PRECISE LOCATION OF THE CURRENT PROPERTY BOUNDARIES AND EASEMENTS CAN ONLY BE **DETERMINED BY AN UP-TO-DATE LAND TITLES** SEARCH AND A SUBSEQUENT CADASTRAL

SURVEY PERFORMED AND CERTIFIED BY AN ONTARIO LAND SURVEYOR. THE CONTRACTOR IS TO OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY BEFORE COMMENCING

THE CONTRACTOR IS RESPONSIBLE FOR ALL

CONSTRUCTION.

THE CONTRACTOR IS TO DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME ALL RESPONSIBILITY FOR EXISTING UTILITIES WHETHER OR NOT SHOWN ON THESE DRAWINGS. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER

PROMPTLY. RESTORE ALL TRENCHES AND SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION **EQUAL OR BETTER THAN ORIGINAL CONDITION** AND TO THE SATISFACTION OF THE CITY

EXCAVATE AND DISPOSE OF ALL EXCESS

EXCAVATED MATERIAL, SUCH AS ASPHALT, CURBING AND DEBRIS, OFF SITE AS DIRECTED BY THE ENGINEER AND THE CITY.

TOPSOIL TO BE STRIPPED AND STOCKPILED FOR REHABILITATION. CLEAN FILL TO BE PLACED IN FILL AREAS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY. CONTRACTOR TO MINIMIZE THE ACTUAL LIMITS OF REMOVALS AND REINSTATEMENT WHEREVER 18. ALL PROPOSED CURB TO BE CONCRETE BARRIER 5.1.1. POSSIBLE, AND SHALL MAKE THEIR OWN

JUDGEMENT AND ACCOUNT FOR ALL MATERIA

SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO

PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY

12. DO NOT ALTER GRADING OF THE SITE WITHOUT 2. AT THE DISCRETION OF THE PROJECT MANAGER OR MUNICIPAL STAFF, ADDITIONAL SILT CONTROL DEVICES SHALL BE INSTALLED AT DESIGNATED LOCATIONS.

FOR SILT FENCE BARRIER, USE OPSD 219,110. GEOTEXTILE FOR SILT FENCE AS PER OPSS 1860, TABLE 3.

EXCEPT AS PROVIDED IN PARAGRAPHS 4.1., and 4.2. 14. CONTACT THE CITY FOR INSPECTION OF ROUGH BELOW. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY HAS

> EMPORARILY OR PERMANENTLY CEASED. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY MPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS FEASIBLE. WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED. (E.G. THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY

NOTIFY THE ENGINEER PROMPTLY. 16. ELECTRICAL, GAS, TELEPHONE AND TELEVISION SERVICE LOCATIONS ARE SUBJECT TO THE CEASED IS LESS THAN 21 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT INDIVIDUAL AGENCY: PORTION OF SITE BY THE 14TH DAY AFTER ELECTRICAL SERVICE - HYDRO ONE. CONSTRUCTION ACTIVITY TEMPORARILY CEASED GAS SERVICE - ENBRIDGE • TELEPHONE SERVICE - BELL CANADA, SEDIMENT THAT IS ACCUMULATED BY THE TEMPORARY TELEVISION SERVICE - ROGERS.

PRIOR APPROVAL OF THE ENGINEER/CITY.

WORKS TO BE UNDERTAKEN IN ACCORDANCE

GRADING OF PARKING LOTS, ROADWAYS AND

LANDSCAPED AREAS PRIOR TO PLACEMENT OF

ASPHALT AND TOPSOIL. ALL DEFICIENCIES

SATISFACTION PRIOR TO PLACEMENT OF ANY

ASPHALT, TOPSOIL, SEED & MULCH AND/OR

VERIFIED PRIOR TO CONSTRUCTION, IF THERE IS

ANY DISCREPANCY THE CONTRACTOR IS TO

NOTED SHALL BE RECTIFIED TO THE CITY'S

. ALL DIMENSIONS AND INVERTS MUST BE

16. INSTALLATION TO BE IN ACCORDANCE WITH

APPROVAL AGENCIES HYDRO ONE. BELL AND

. CONTRACTOR TO ENSURE ALL APPLICABLE OPS

SPECIFICATIONS ARE FOLLOWED DURING

CURRENT CODES AND STANDARDS OF

WITH CITY STANDARDS AND SPECIFICATIONS.

THE CONTRACTOR IS TO PROVIDE POSITIVE

DRAINAGE AWAY FROM THE BUILDING.

13. ALL ROADWAY, PARKING LOT, AND GRADING

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED IN A MANNER THAT AVOIDS ESCAPE OF THE SEDIMENT TO THE DOWNSTREAM SIDE OF THE CONTROL MEASURE AND AVOIDS DAMAGE TO THE CONTROL MEASURE. SEDIMENT SHALL BE REMOVED TO THE LEVEL OF THE GRADE EXISTING AT THE TIME THE CONTROL MEASURE WAS CONSTRUCTED AND BE ACCORDING TO THE

FOR LIGHT-DUTY SEDIMENT BARRIERS, ACCUMULATED SEDIMENT SHALL BE REMOVED ONCE IT REACHES THE ESSER OF THE FOLLOWING

A DEPTH OF ONE-HALF THE EFFECTIVE HEIGHT OF

THE CONTROL MEASURE

DUST CONTROL MEASURES SHOULD BE CONSIDERED PRIOR TO CLEARING AND GRADING. THE USE OF WATER. CALCIUM CHLORIDE FLAKES/SOLUTION OR MAGNESIUM CHLORIDE FLAKES/SOLUTION SHALL BE USED AS DUST SUPPRESSANTS AS PER OPSS 506. THIS IS TO LIMIT WIND EROSION OF SOILS WHICH MAY TRANSPORT SEDIMENTS OFFSITE, WHERE THEY MAY BE WASHED INTO THE

RECEIVING WATER BY THE NEXT RAINSTORM. . ALL 'GREEN AREAS' TO BE TREATED WITH 150mm TOPSOIL AND SOD AS SOON AS FEASIBLE, AS PER OPSS 570.

MANHOLES), AND BE SURROUNDED BY EROSION CONTROL

MEASURES WHERE MATERIAL IS LEFT IN PLACE IN EXCESS

ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL ONDITION OR BETTER UNLESS OTHERWISE SPECIFIED. O. STOCKPILED MATERIAL IS TO BE STORED AWAY FROM POTENTIAL RECEIVERS (E.G. STORM CATCHBASINS,

OF 14 DAYS. . IF REQUIRED, DEWATERING/SETTLING BASINS SHALL BE CONSTRUCTED AS PER OPSD 219.240 AND LOCATED ON FLAT GRADE UPSTREAM OF OTHER EXISTING MITIGATION MEASURES. WATERCOURSES SHALL NOT BE DIVERTED, OR BLOCKED, AND TEMPORARY WATERCOURSES CROSSINGS SHALL NOT BE CONSTRUCTED OR UTILIZED, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. IF CLOSURE OF ANY PERMANENT WATER PASSAGE IS NECESSARY. THE

OPEN PORTION OF THE WATERCOURSE WITHOUT HARM 12. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO OPSS 577

CONTRACTOR SHALL RELEASE ANY STRANDED FISH TO THE

3. WHERE DEWATERING IS REQUIRED, THE DISCHARGED WATER SHALL BE CONTROLLED IN ACCORDANCE WITH

# WITH 2"x4"X8' LONG MARKER.

4. ALL SETTLING/FILTRATION BASINS SHALL BE EQUIPPED WITH TERRAFIX 270R GEOTEXTILE (OR APPROVED TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES. EQUIVALENT) AND SHALL BE CLEANED AND REPLACED AS 10. DYE TESTING IS TO BE COMPLETED ON SANITARY SERVICE TO

GRANULAR "A" OR GRANULAR "B" TYPE 1. TO MINIMIZE DIFFERENTIAL FROST HEAVING, TRENCH BACKFILL (FROM PAVEMENT SUBGRADE TO 2.0 METRES BELOW FINISHED GRADE) SHALL MATCH EXISTING SOIL CONDITIONS.

SANITARY SEWERS AND CONNECTIONS 150mmØ AND SMALLER TO BE PVC SDR-28. SEWERS AND CONNECTIONS 200mmØ AND LARGER TO BE PVC

SDR-35. BEDDING TO BE TYPE "B" EXCEPT AT RISERS, UNLESS

SEWERS AND WATERMAINS LOCATED PARALLEL TO EACH OTHER SHOULD BE CONSTRUCTED IN SEPARATE TRENCHES. WHEN IT IS IMPOSSIBLE OR NOT PRACTICAL TO MAINTAIN VERTICAL AND/OR HORIZONTAL SEPARATION PER MECP STANDARDS, ALL SEWERS SHOULD BE CONSTRUCTED OF WATERMAIN QUALITY PIPE, PRESSURE TESTED IN PLACE AT A PRESSURE OF 350 kPa (50 psi) WITHOUT LEAKAGE USING THE TESTING METHODOLOGY IN ONTARIO PROVINCIAL STANDARD

SPECIFICATION 701 (OPSS 701) OF THE OPS.

INSULATE ALL STORM AND SANITARY SEWERS/SERVICES THA HAVE LESS THAN 2.0m OF COVER WITH THERMAL INSULATION AS PER CITY DETAIL \$35, OPTION A. SEWER CONNECTIONS ARE TO BE MADE ABOVE THE SPRINGLINE OF THE SEWERMAIN AS PER CITY OF OTTAWA STANDARD

DRAWING S11, S11.1 & S11.2. 8. SUPPLY AND INSTALL ALL PIPING AND APPURTENANCES AS SHOWN AND DETAILED TO WITHIN 1.0m OF BUILDING. ALL ENDS OF SERVICES TO BE PROPERLY CAPPED AND LOCATED

SEWER/LITHITY IS 0.25m FOR CROSSING OVER THE SEWER, AS PER CITY DETAIL W25.2 FOR CROSSING 9. CONTRACTOR TO TELEVISE (CCTV) ALL PROPOSED SEWERS ON UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE SITE, OUTLET CONNECTION TO THE MAIN AND PIPES 150mmØ IS 0.5m AS PER CITY DETAIL W25. FOR CROSSING OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE

UNDER SEWER, ADEQUATE STRUCTURAL SUPPORT FOR THE SEWERS IS REQUIRED TO PREVENT **EXCESSIVE DEFLECTION OF JOINTS AND SETTLING** HE LENGTH OF WATER PIPE SHALL BE CENTERED AT THE POINT OF CROSSING SO THAT THE JOINTS WILL CONFIRM PROPER CONNECTION TO SANITARY SEWER MAIN. BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE

WHICH IS RECOMMENDED BY THE MANUFACTURER.

4. THERMAL INSULATION OF WATERMAINS AT OPEN

NO CONNECTION TO EXISTING WATER NETWORK

WATERMAIN CONNECTION. CONNECTION,

BE COMPLETED BY CONTRACTOR.

PRIOR TO INITIATING CONSTRUCTION.

9. ALL WATERMAIN TO BE CLASS 150 DR-18 OR

10. ALL WATERMAIN TO BE EQUIPPED WITH TRACER

11. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL

CLEARANCE BETWEEN WATERMAIN AND

1103.010 AND OPSD 1103.020.

APPROVED EQUIVALENT.

SHALL BE COMPLETED UNTIL A WATER PERMIT IS

OBTAINED FROM THE CITY, CITY TO BE PRESENT FOR

. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR

TO PERFORM ANY WATERMAIN CONNECTION(S)

OPERATOR AND THE SELECTED CONTRACTOR SHALL

REQUIRED. THIS SHALL BE COMPLETED IN THE

PRESENCE OF A DESIGNATED MUNICIPAL WATER

PROVE TO THE SATISFACTION OF THE CITY THAT

THEY ARE COMPETENT TO PERFORM THE WORKS

CONCRETE THRUST BLOCKS TO CONFORM TO OPSD

EXCAVATION, BACKFILLING AND REINSTATEMENT TO

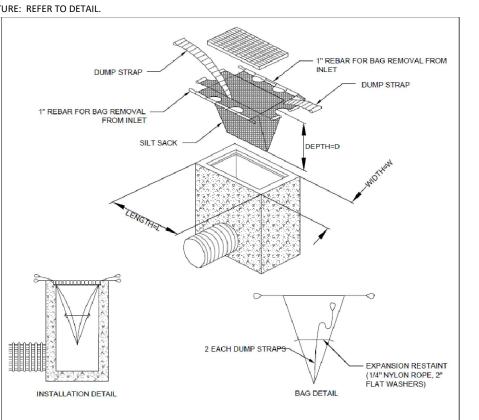
STRUCTURES AS PER CITY DETAIL W23.

VALVES TO BE OPERATED BY CITY STAFF ONLY.

### **ROADWAY NOTES**

- AND TO THE SATISFACTION OF CITY AUTHORITIES
- PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA DETAIL R10 AND OPSD 509.010, OPSS 310, AND SHALL BE REINSTATED PER THE DETAIL SHOWN ON THIS DRAWING.
- 4. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA.
- ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 100% SPMDD.
- ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE ENGINEER.
- 7. SUB- EXCAVATE SOFT AREAS AND FILL WITH GRANULAR 'B' COMPACTED IN MAXIMUM 300mm LIFTS.

8. PAVEMENT STRUCTURE: REFER TO DETAIL.



INLET SEDIMENT CONTROL DEVICE

1. RESTORE ANY TRENCHES AND DISTURBED SURFACES OF PUBLIC ROAD ALLOWANCES TO CONDITION EQUAL OR BETTER THAN ORIGINAL CONDITION

-PROPOSED 2 x 150mm WATER SERVICE MH−SA. 1

ENSURE MINIMUM 1.0m BETWEEN ALL INV ±93.47(NE)

PRESSURE PIPE STM @ 1.00%

RISER PER S11.1

SPRING±93.63

TEMPEST LMF75 ICD

600mm SUMP REQUIRED

TO ACCOMODATE ICD.

RISER PER S11.1

\_\_21.84m - 300mmØ PVC SDR-35 STM @ 1.00%

-150mm PVC DR-18 WTM

SPRING±93.68

-CONNECT TO PROPOSED 300mm STM AT SPRINGLINE WITH VERTICAL

INV+93.48

AT OUTLET.

T/G 95.45\\

₹1.57m - 200mmØ

PROPOSED HYDRANT

-(X2) 100mm BOLLARD

PER CITY F5.

PVC SDR-35 STM @ 1.00%

/=9.86m - 200mmØ

STM @ 2.00%

HYD B/F 95.95

CONNECT TO PROPOSED 300mm

STM AT SPRINGLINE WITH VERTICAL

TOP +95.54

INV 93.59(SE)

CAPILANO DRIVE

CONNECT TO EX. 152mm WATERMAIN

VALVES AND FITTINGS (TYP.).

STRUCTURE TO BE PRECAST OR

CAST-IN-PLACE "DOGHOUSE'

TYPE PER OPSD701.010

DETAIL W23.

LEAD TO BE REMOVED. INLET

TO BE PLUGGED/SEALED

(100mm INSULATION PER S35)

(100mm INSULATION PER S35)

BACKWATER VALVE PER S14.1

5.72m - 50mmØ WTR SERVICE -

BACKWATER VALVE PER S14

C/W CURBSTOP & STANDPOST

6.97m - 150mmØ STM SERVICE C/W

TEMPEST LMF80 ICD-

TO ACCOMODATE ICD.

AT OUTLET.

INV±94.25

INV±93.76

15.08m - 200mmØ

STM @ 1.00%

150mm SANITARY SERVICE C/W BACKWATER VALVE PER S14.1.

52.95m - 150mm WATER SERVICE-

200mm STORM SERVICE C/W BACKWATER-

VALVE PER S14.CONNECT ROOF DRAIN

DOWNSTREAM OF BACKWATER VALVI

54 UNITS

 $AREA = 775m^2$ 

FFL = 95.95m

INV± 94.45

TOP± 93.52

INV± 93.78

100mm INSULATION PER S35)

PVC PRESSURE PIPE SAN @ 1.009

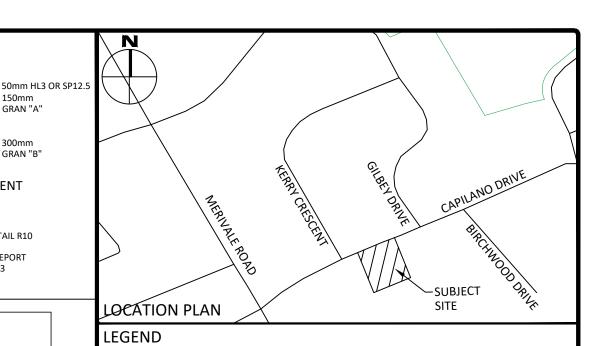
2.78m - 135mmØ&AN SERVICE C/W-

AT MAINTENACE HOLE.

- CONCRETE CURB AND SIDEWALK SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD SC1.1 (BARRIER CURB), SC2 (MONOLITHIC SIDEWALK & CURB), AND SC4 (STANDARD SIDEWALK) AS NOTED. PROVISIONS SHALL BE MADE FOR CURB DEPRESSIONS AT SIDEWALKS, DRIVEWAYS AND RAMPS.

## WATERMAIN WITHIN 2.4m OF OPEN STRUCTURES TO BE INSULATED PER CITY STD W23 ROOF DRAINS (B1) TYPE OF CONTROL DEVICE RD-100-A-ADJ (<del>3</del> OPEN) NUMBER OF ROOF DRA DEPTH OF FLOW (m) DRAWDOWN TIME

**ALLISON HAMLIN** MANAGER (A), DEVELOPMENT REVIEW WEST PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT **DEPARTMENT, CITY OF OTTAWA** 



CONCRETE BARRIER CURB

CONCRETE WALKWAY

LSCB# LANDSCAPING CATCHBASIN

FIRE HYDRANT

WATER VALVE

WATER METER

REMOTE WATER METER

**APPROVED** 

ISSUED FOR SITE PLAN CONTROI

ISSUED FOR SITE PLAN CONTROL

ISSUED FOR 33% COORDINATION

**ISSUED FOR SITE PLAN CONTROI** 

Tel: 613-836-2184

check and verify all dimensions

before proceeding with the work

SCALE 1:250

Revisions

3 ISSUED FOR SITE PLAN CONTROI

By Allison Hamlin at 4:17 pm, Nov 01, 2023

ROPOSED HEAVY DUTY

CATCHBASIN MANHOLE

SANITARY SEWER MANHOLF

LIMIT OF CONSTRUCTION

----- DRAINAGE SWALE

— — — DRAINAGE DITCH

- SILT FENCE BARRIER

MUD MAT

**ROOF SCUPPER** 

ROOF DRAIN

^B/W 94.25

SURFACE ELEVATION

SWALE ELEVATION

TOP OF WALL ELEVATION BOTTOM OF WALL ELEVATION

OVERLAND FLOW ROUTE

STRAW BALE CHECK DAM

OCT. 10, 202

SEP. 25, 2023

JUNE 30, 202

JUNE 23, 202

MAR. 03, 202

Date

Do not scale drawings

SANITARY STRUCTURE TABLE							
RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION				
95.57	SE94.170 SW94.210	NW94.148	COVER CITY STD S24 FRAME CITY STD S25 STRUC. OPSD 701.010				
95.69	SE94.070	NW94.052	COVER CITY STD S24 FRAME CITY STD S25 STRUC. OPSD 701.010				
95.62	SE93.890 EX.SW93.546	EX.NE93.540	COVER CITY STD S24 FRAME CITY STD S25 STRUC. OPSD 701.010				

HEAVY DUTY PAVEMENT LIGHT DUTY PAVEMENT

TRENCH REINSTATEMENT TO INCLUDE STEP KEY AS PER CITY DETAIL R10

ASPHALT CROSS-SECTIONS TO CONFORM TO GEOTECHNICAL REPORT

COMPLETED BY PATERSON GROUP, DATED MARCH 3, 2023

CROSS-SECTION

GRAN "B"

TOP <u>+</u>95.53

INV <u>+</u>93.18(N

INV 93.24(SE

INV <u>+</u>93.18(SW

NAME

MH1A

MH2A

MH3A

GRAN "A"

i GRAN "B'

CROSS-SECTION

STORM STRUCTURE TABLE									
NAME	RIM ELEV.	INVERT IN	INVERT OUT	DESCRIPTION					
CB1	95.45		NE93.861	STRUC: OPSD 705.010 FRAME: CITY S19 COVER: CITY S19 C/W TEMPEST LMF80 ICD					
CB3	95.45		SW94.140	STRUC: OPSD 705.010 FRAME: CITY S19 COVER: CITY S19 C/W TEMPEST LMF75 ICD					
MH2	95.72	SW93.710 SE93.670	NW93.649	COVER CITY STD S24.1 FRAME CITY STD S25 STRUC. OPSD 701.010					
MH4	95.61	SE93.430	NW93.406	COVER CITY STD S24.1 FRAME CITY STD S25 STRUC. OPSD 701.010					
MH5	95.59	SE93.270 EX.SW93.230	EX.NE93.220	COVER CITY STD S24.1 FRAME CITY STD S25					

	CROSSING CONFLICT TABLE	
LOCATION	DESCRIPTION	SEPARAT
1*	200mmØ EXISTING SANITARY SEWER INV 93.53 150mmØ WATER SERVICE OBV 93.03	0.50
2*	150mmØ WATER SERVICE OBV 93.03 200mmØ EXISTING SANITARY SEWER INV 93.52 150mmØ WATER SERVICE OBV 93.02 375mmØ EXISTING STM SEWER OBV 93.63	0.50
3	150mmØ SANITARY SERVICE INV 94.96	0.33
4*	375mmØ EXISTING STM SEWER INV 93.24 150mmØ WATER SERVICE OBV 92.74 375mmØ EXISTING STM SEWER INV 93.23	0.50
5*	150mmØ WATER SERVICE OBV 92.73	0.50
6	150mmØ SANITARY SERVICE INV 94.18 50mmØ WATER SERVICE OBV 93.15 150mmØ SANITARY SERVICE INV 94.23	1.03
7		0.25
8	150mmØ STORM SERVICE OBV 93.98 150mmØ WATER SERVICE OBV 93.17 150mmØ STORM SERVICE INV 93.70	0.53
9	150mmØ SANITARY SERVICE INV 94.35 200mmØ STORM SERVICE OBV 93.95 150mmØ WATER SERVICE OBV 93.23	0.40
10	150mmØ WATER SERVICE OBV 93.23 200mmØ STORM SERVICE INV 93.73 150mmØ HYDRANT LEAD OBV 93.16	0.50
11*	150mmØ HYDRANT LEAD OBV 93.16 300mmØ STORM SERVICE INV 93.66	0.50
*PROVIDE VER	TICAL BENDS AS REQUIRED TO MEET MINIMUM SEPARATI	ON

WATER COVER TABLE								
LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	COVER				
A - 150 X 150 TEE	0+100.00	95.60	93.20	2.40				
CROSSING 1	0+101.06	95.62	93.03	2.59				
CROSSING 4	0+107.51	95.64	92.74	2.90				
VALVE	0+116.51	95.69	93.29	2.40				
150 X 150 TEE	0+117.52	95.67	93.27	2.40				
22.5° BEND	0+121.16	95.62	93.22	2.40				
22.5° BEND	0+123.12	95.57	93.17	2.40				
150 X 50 TEE	0+126.43	95.51	93.11	2.40				
CROSSING 8	0+130.79	95.57	93.17	2.40				
CROSSING 10	0+143.12	95.67	93.23	2.44				
BUILDING	0+153.97	95.92	93.52	2.40				
B - 150 X 150 TEE	0+200.00	95.60	93.20	2.40				
CROSSING 2	0+201.06	95.61	93.02	2.59				
22.5° BEND	0+202.14	95.64	93.24	2.40				
22.5° BEND	0+204.75	95.68	93.28	2.40				
CROSSING 5	0+207.69	95.63	92.73	2.90				
VALVE	0+216.69	95.69	93.29	2.40				
45° BEND	0+217.89	95.67	93.27	2.40				
45° BEND	0+218.35	95.67	93.27	2.40				
150 X 150 TEE	0+219.17	95.67	93.27	2.40				

0+300.00 95.68 93.28 2.40 C - 150 X 150 TEE 0+301.00 95.71 93.16 2.55 **CROSSING 11** 0+302.24 95.70 93.17 2.53 PROPOSED HYDRANT 0+303.51 | 95.85 | 93.45 | 2.40

WATERMAIN OR SERVICE WITH LESS THAN 2.4m COVER TO BE INSULATED PER CITY STD W22



1:250

CCO-23-3325 hecked By: rawing Number: esigned By:

www.mcintoshperry.com

McINTOSH PERRY

115 Walgreen Road, RR3, Carp, ON KOA 1L0

100506243 10/10/2023

Fax: 613-836-3742

D. J. HEWSON

**CSV ARCHITECTS** 190 O'CONNOR STREET, SUITE 100 OTTAWA, ON K2P 2R3

RESIDENTIAL DEVELOPMENT 56 CAPILANO DRIVE, OTTAWA, ON

LOT GRADING, DRAINAGE, SERVICING, **EROSION & SEDIMENT CONTROL PLAN**