200mmØ WATERMAIN TABLE

STATION	SURFACE ELEVATION	TOP OF WM ELEVATION	DESCRIPTION
0+00	82.70	±80.30 ✱	TEE CONNECTION TO EXISTING 200mmØ WATERMAIN
0+09	82.82	80.42	45° HORIZONTAL BEND
0+12.9	82.85	80.45	V&VB @ PROPERTY LINE
0+15	82.95	80.55	45° HORIZONTAL BEND
0+20	83.15	80.75	CROSS BELOW 200mmØ STM SEWER (CLEARANCE = 0.95mɪ)
0+23.5	83.30	80.90	50mmØ SERVICE (1+00)
0+25	83.35	80.95	- - -
0+50	83.25	80.85	- - -
0+54.2	83.24	80.84	CROSS BELOW 375mmØ STM SEWER (CLEARANCE = 0.80mɪ)
0+57.7	83.23	80.83	50mmØ SERVICE (2+00)
0+64.4	83.16	80.76	CROSS BELOW 375mmØ STM SEWER (CLEARANCE = 0.85mɪ)
0+66.7	83.14	80.74	CROSS BELOW 200mmØ STM SEWER (CLEARANCE = 0.95mɪ)
0+75	83.18	80.78	- - -
0+77.2	83.30	80.90	200x200x150 TEE - FIRE HYDRANT LEAD (4+00)
0+99	83.39	80.99	50mmØ SERVICE (5+00)
0+100	83.40	81.00	200mmØ CAP AND THRUSTBLOCK

✱ EXACT DEPTH OF EXISTING WATERMAIN TO BE DETERMINED AT TIME OF EXCAVATION, CONTRACTOR TO CONFIRM TOP OF WATERMAIN. PROVIDE THERMAL INSULATION AS PER CITY OF OTTAWA DETAIL W22 WHERE COVER IS LESS THAN 2.4m

150mmØ FIRE HYDRANT LEAD

STATION	SURFACE ELEVATION	TOP OF WM ELEVATION	DESCRIPTION
4+00	83.30	80.90	200x200x150 TEE - FIRE HYDRANT LEAD
4+01.0	83.30	80.90	V&VB
4+02.7	83.52	81.12	CROSS BELOW 600mmØ STM SEWER (CLEARANCE = 0.54mɪ)
4+04.8	83.62	81.22	FIRE HYDRANT

50mmØ WATER SERVICE TABLE

STATION	SURFACE ELEVATION	TOP OF WM ELEVATION	DESCRIPTION
1+00	83.30	80.90	50mmØ SERVICE (0.23.5)
1+02.3	83.50	80.95	50mmØ STAND POST
1+03.3	83.60	80.95	50mmØ CAP FOR BUILDING SERVICE
2+00	83.23	80.83	50mmØ SERVICE (0.57.7)
2+25	83.45	81.05	- - -
2+28.8	83.48	81.08	CROSS ABOVE 200mmØ SAN SEWER (CLEARANCE = 0.40mɪ)
2+46	83.62	81.22	50mmØ STAND POST
2+50	83.75	81.35	- - -
2+52.1	83.75	81.35	50mmØ CAP FOR BUILDING SERVICE
3+00	83.60	81.20	50mmØ CAP FOR BUILDING SERVICE
3+11.7	83.45	81.05	CROSS ABOVE 200mmØ SAN SEWER (CLEARANCE = 0.33mɪ)
3+24.5	83.62	81.22	50mmØ STAND POST
3+33.1	83.80	81.22	50mmØ CAP FOR BUILDING SERVICE
5+00	83.39	80.99	50mmØ SERVICE (0+99)
5+02.7	83.45	81.26 ✱✱	CROSS BELOW 600mmØ STM SEWER (CLEARANCE = 0.45mɪ)
5+09	83.55	81.30 ✱✱	50mmØ STAND POST
5+9.8	83.65	81.25	50mmØ CAP FOR BUILDING SERVICE

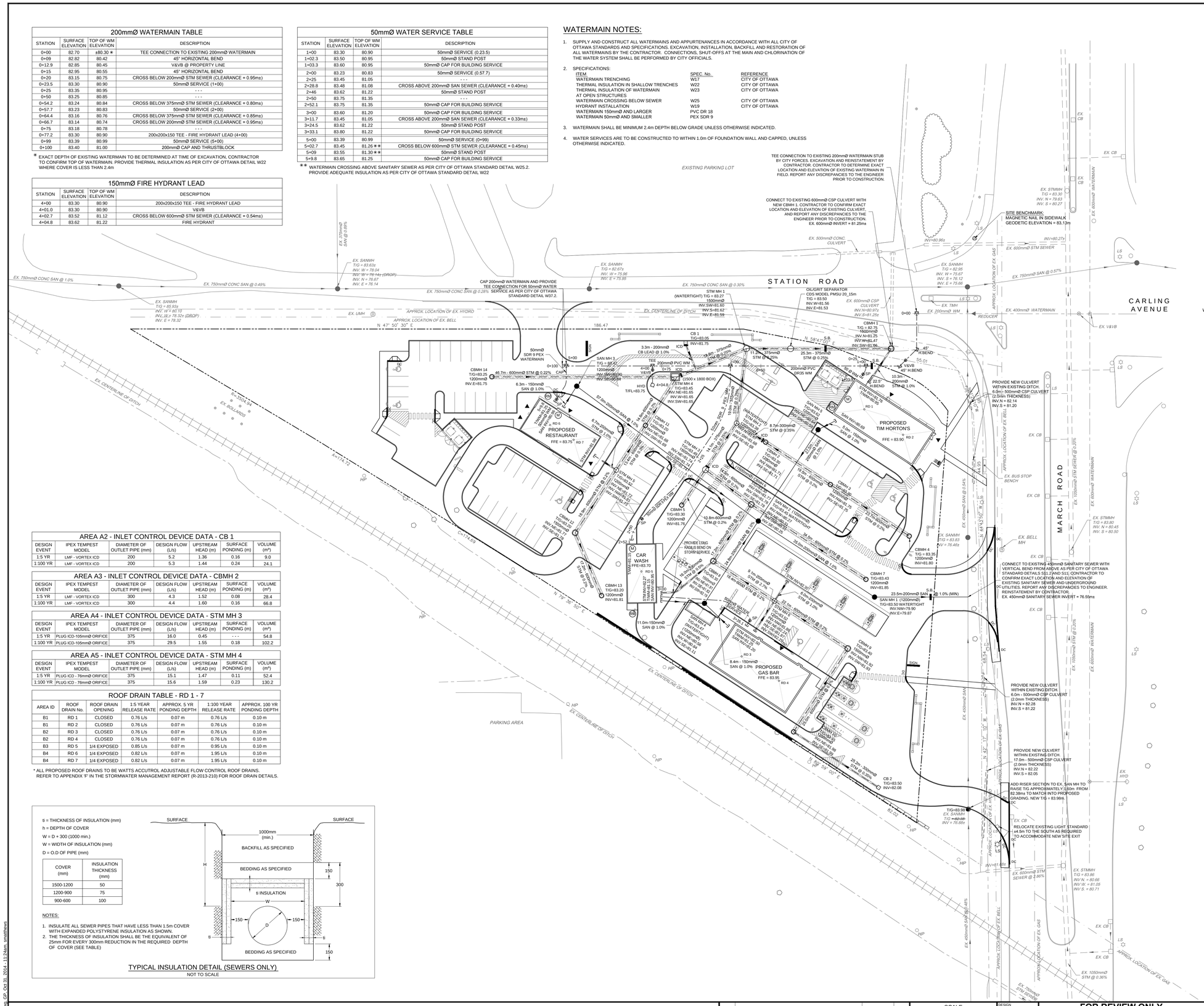
✱✱ WATERMAIN CROSSING ABOVE SANITARY SEWER AS PER CITY OF OTTAWA STANDARD DETAIL W25.2. PROVIDE ADEQUATE INSULATION AS PER CITY OF OTTAWA STANDARD DETAIL W22

WATERMAIN NOTES:

1. SUPPLY AND CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH ALL CITY OF OTTAWA STANDARDS AND SPECIFICATIONS. EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMAINS BY THE CONTRACTOR. CONNECTIONS, SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS.
2. SPECIFICATIONS:

ITEM	SPEC. No.	REFERENCE
WATERMAIN TRENCHING	W17	CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES	W22	CITY OF OTTAWA
THERMAL INSULATION OF WATERMAIN AT OPEN STRUCTURES	W23	CITY OF OTTAWA
WATERMAIN CROSSING BELOW SEWER	W25	CITY OF OTTAWA
HYDRANT INSTALLATION	W19	CITY OF OTTAWA
WATERMAIN 150mmØ AND LARGER	PVC DR 18	
WATERMAIN 50mmØ AND SMALLER	PEX SDR 9	

3. WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED.
4. WATER SERVICES ARE TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.


STATION ROAD
CARLING AVENUE
MARCH ROAD
PROPOSED RESTAURANT
FFE = 83.75
PROPOSED TIM HORTON'S
FFE = 83.90
CAR WASH
FFE=83.70
PROPOSED GAS BAR
FFE = 83.95
EX. CENTERLINE OF DITCH
EX. CENTERLINE OF ROAD
PARKING AREA
EX. 750mmØ CONC SAN @ 1.0%
EX. 750mmØ CONC SAN @ 0.49%
EX. 750mmØ CONC SAN @ 0.30%
EX. 750mmØ CONC SAN @ 0.28%
EX. 600mmØ CSP CULVERT
EX. 500mmØ CONC. CULVERT
EX. 600mmØ STM SEWER
EX. 600mmØ WATERMAIN
EX. 400mmØ WATERMAIN
EX. 1050mmØ STM SEWER @ 0.20%
EX. 1050mmØ STM SEWER @ 0.36%
EX. 1800mmØ STM SEWER @ 0.20%
EX. 450mmØ SAN @ 0.54%
EX. 450mmØ SAN @ 0.46%
EX. 400mmØ SAN
EX. 375mmØ SAN @ 0.49%
EX. 600mmØ CSP CULVERT
EX. 200mmØ WM
EX. TMH
EX. UMH
EX. HYDRO
EX. BELL
EX. GAS
EX. V&VB
EX. CB
EX. STMMH
EX. SANMH
EX. BUS STOP BENCH
EX. HYD
EX. BELL MH
SITE BENCHMARK
MAGNETIC NAIL IN SIDEWALK
GEODETIC ELEVATION = 83.13m
TEE CONNECTION TO EXISTING 200mmØ WATERMAIN STUB BY CITY FORCES. EXCAVATION AND REINSTATEMENT BY CONTRACTOR. CONTRACTOR TO DETERMINE EXACT LOCATION AND ELEVATION OF EXISTING WATERMAIN IN FIELD. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
CONNECT TO EXISTING 600mmØ CSP CULVERT WITH NEW CBMH 1. CONTRACTOR TO CONFIRM EXACT LOCATION AND ELEVATION OF EXISTING CULVERT, AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION. EX. 600mmØ INVERT = 81.25ms
OILGRIT SEPARATOR CDS MODEL PMSU 20_15m T/G = 83.50 INV.W=81.56 INV.E=81.53
STM MH 1 (WATERTIGHT) T/G = 83.27 1500mmØ INV.SW=81.60 INV.E=81.62 INV.E=81.59
CB 1 T/G=83.05 INV=81.75
CBMH 1 T/G = 82.75 1500mmØ INV.N=81.25 INV.W=81.47 INV.SW=81.56
CBMH 14 T/G=83.25 1200mmØ INV.E=81.75
SAN MH 3 T/G = 82.67 1200mmØ INV.SW=80.90 INV.SE=80.84
STM MH 4 T/G=83.45 INV.NE=81.65 INV.W=81.65 INV.SW=81.65
CBMH 11 T/G=83.25 1200mmØ INV.W=81.65 INV.SW=81.55
CBMH 12 T/G=83.30 1200mmØ INV.E=81.75 INV.W=81.65
CBMH 10 T/G=83.30 1200mmØ INV.E=81.75 INV.W=81.65
CBMH 5 T/G=83.30 1200mmØ INV=81.76
CBMH 13 T/G=83.20 1200mmØ INV=81.81
CBMH 7 T/G=83.43 1200mmØ INV=81.85
CBMH 4 T/G = 83.35 1200mmØ INV=81.80
CBMH 9 T/G=83.40 1500mmØ INV.NW=81.82 INV.SW=81.82
CB 2 T/G=83.50 INV=82.08
SAN MH 1 (1200mmØ) T/G=83.50 WATERTIGHT INV.NW=79.90 INV.E=79.87
SAN MH 2 T/G = 83.67 1200mmØ INV.NW=80.95 INV.SW=80.85
SAN MH 5 T/G = 83.50 1200mmØ INV.NW=80.90 INV.SW=80.80
SAN MH 6 T/G = 83.50 1200mmØ INV.NW=80.90 INV.SW=80.80
SAN MH 7 T/G = 83.50 1200mmØ INV.NW=80.90 INV.SW=80.80
SAN MH 8 T/G = 83.50 1200mmØ INV.NW=80.90 INV.SW=80.80
SAN MH