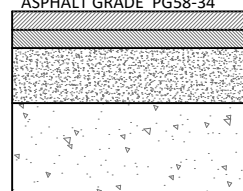
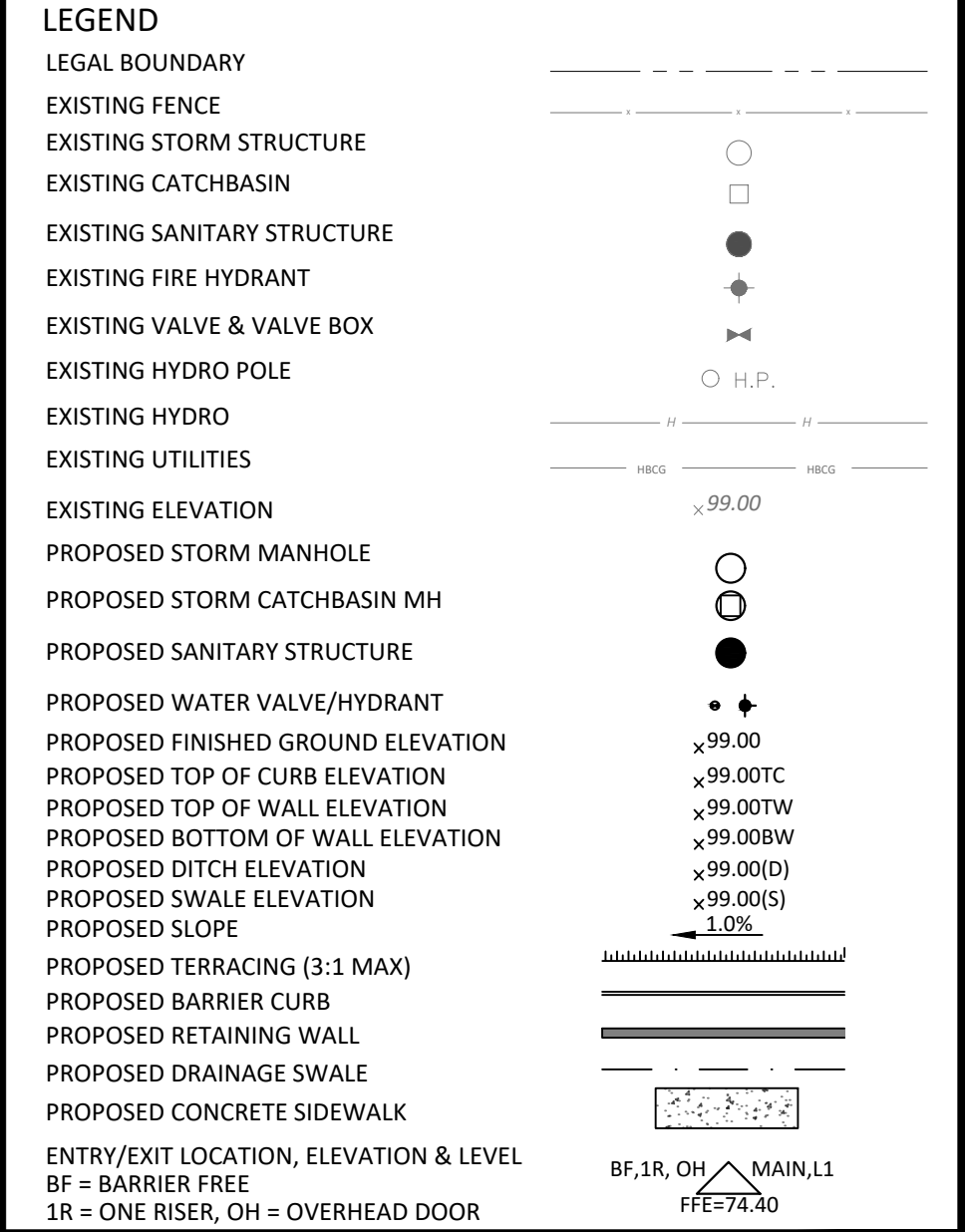




WATER COVER TABLE				
LOCATION	STATION	FINISHED GRADE	TOP OF PIPE	COVER
A-305 X 200 TEE	0+000.00	127.26	124.86	2.40
VALVE	0+005.50	127.20	124.80	2.40
45° BEND	0+047.41	127.24	124.84	2.40
45° BEND	0+050.18	127.28	124.88	2.40
BUILDING	0+050.94	127.73	125.33	2.40

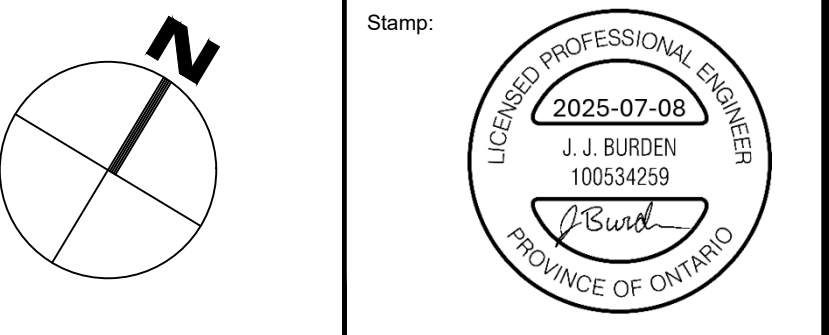
		<p>50mm SURFACE COURSE ASPHALTIC CONCRETE HL-3</p> <p>50mm BINDER COURSE ASPHALTIC CONCRETE HL-8</p> <p>300mm GRANULAR "A"</p> <p>450mm GRANULAR "B"</p>
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1. CONSTRUCT ALL WATERMAINS AND APPURTENANCES IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS.
2. ALL WATERMAINS AND SEWER LINES SHALL HAVE LESS THAN 2.4mm COVER OF THERMAL INSULATION AND/OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 2.4m. INSULATE ALL WATERMAINS AND SEWER LINES TO MEET THE CITY STANDARD.
3. IF THE WATERMAIN MUST BE DEFLECTED TO MEET ALIGNMENT, ENSURE THAT THE AMOUNT OF DEFLECTION USED IS EQUAL TO OR LESS THAN THAT WHICH IS RECOMMENDED BY THE MANUFACTURER AND CITY OF OTTAWA STANDARDS W23 AND W25.2.
4. THERMAL INSULATION OF WATERMAINS AT OPEN STRUCTURES AS PER CITY DETAIL W23.
5. VALVES TO BE OPERATED BY CITY STAFF ONLY.
6. NO WORK SHALL COMMENCE UNLESS A CITY WATER WORKS INSPECTOR IS ON SITE. NO CONNECTION TO EXISTING WATER NETWORK SHALL BE COMPLETED UNTIL A WATER PERMIT IS OBTAINED FROM THE CITY OF OTTAWA. ALL WORKS COMPLETED BY CITY FORCES, EXCAVATION, BACKFILLING AND REINSTATEMENT TO BE COMPLETED BY SITE SERVING CONTRACTOR.
7. CONCRETE THROUST BUCKS TO CONFORM TO CITY STANDARD W23.3.
8. WATERMAIN 100-300mm TO BE CLASS 150 DR-18P OR APPROVED EQUIVALENT.
9. ALL PIPE WATERMAIN SHALL BE INSTALLED WITH A 16 GAUGE STRANDED COPPER TFWU OR RWU/ TRACER WIRE IN ACCORDANCE WITH CITY STANDARD W36.
10. FIRE HYDRANTS SHALL CONFORM TO CITY STANDARDS W18, W19, AND W20.
11. VALVE BOXES SHALL CONFORM TO CITY STANDARD W24.
12. 300mmØ VALVES AND SMALLER TO BE INSTALLED WITH VALVE BOXES AS PER CITY STANDARD W24. 400mmØ VALVES AND LARGER TO BE INSTALLED WITH BUTTERFLY VALVES AND VALVE CHAMBERS AS PER CITY STANDARD W22.
13. AS PER CITY GUIDELINE, THE MINIMUM VERTICAL CLEARANCE BETWEEN WATERMAIN AND SEWER/UTILITY IS 0.25m FOR CROSSING OVER AND 0.5m AS PER CITY DETAIL W25.2. FOR CROSSING UNDER SEWER, THE MINIMUM VERTICAL CLEARANCE IS 0.5m AS PER CITY DETAIL W25.2. FOR CROSSING UNDER WATER, THE MINIMUM VERTICAL CLEARANCE IS 0.5m AS PER CITY DETAIL W25.2. THE CROSSING UNDER SHALL BE PROTECTED BY A CONCRETE SLAB. SUPPORT FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLEMENT. THE LENGTH OF WATER MAIN SHALL BE MINIMUM 10m TO AVOID THE NEED FOR JOINTS. THE JOINTS SHALL BE EQUIQUANTED AND AS FAR AS POSSIBLE FROM THE SEWER.



SCALE 1 : 500

0 10 20 30 40 50 Metres



PROPOSED ADDITION
145 WALGREEN ROAD
CARP, ON

Scale:	1:500	Project Number:	CO-25-1370
Drawn By:	RP		
Checked By:	AG	Drawing Number:	C101
Designed By:			