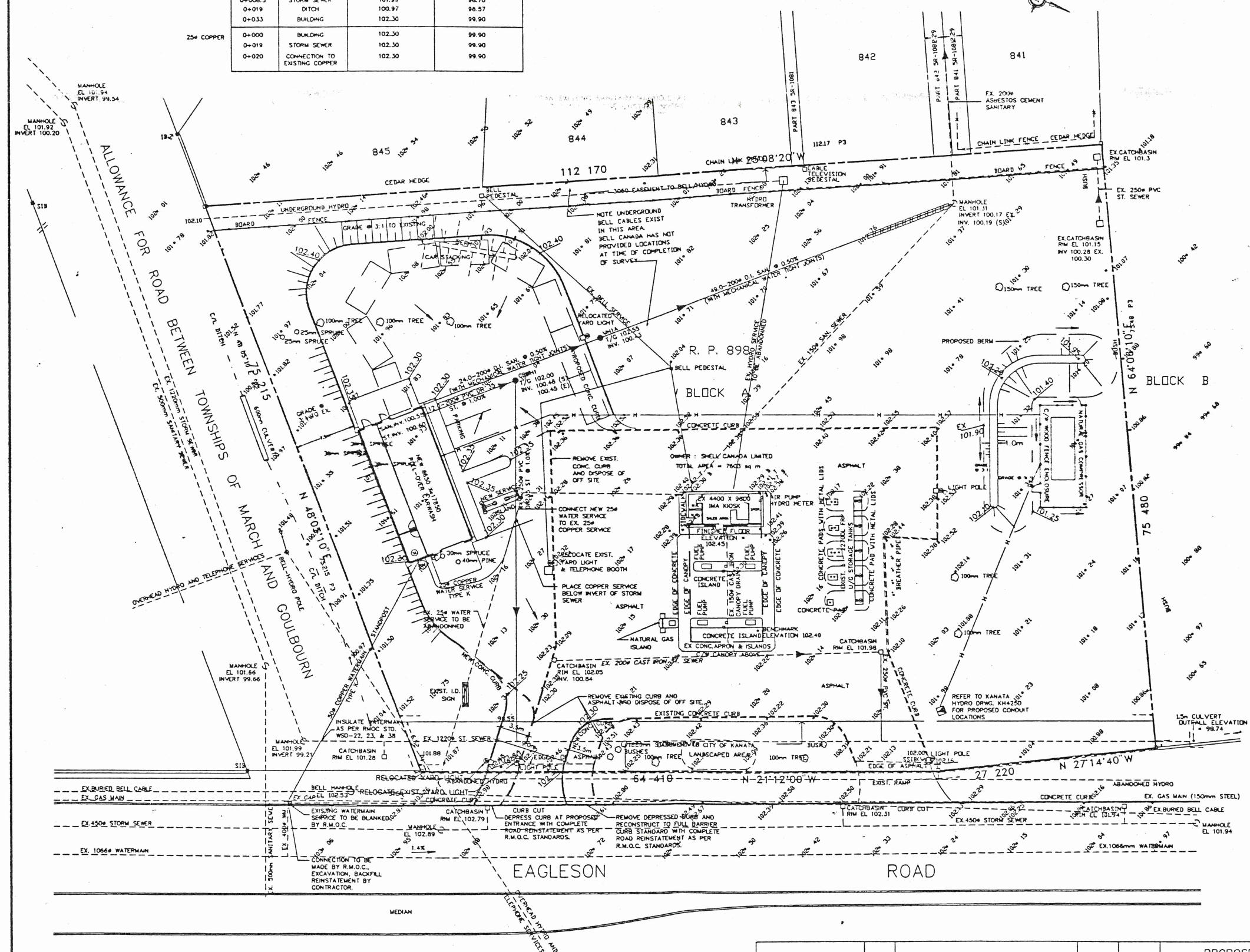


WATERMAIN SCHEDULE				
STATION	DESCRIPTION	EXISTING GROUND	TOP OF WATERMAIN	
30" COPPER	0+000	CONNECTION	103.00	101.00
	0+008.5	STORM SEWER	101.99	98.70
	0+019	DITCH	100.97	98.57
	0+033	BUILDING	102.30	99.90
25" COPPER	0+000	BUILDING	102.30	99.90
	0+019	STORM SEWER	102.30	99.90
	0+020	CONNECTION TO EXISTING COPPER	102.30	99.90

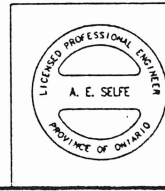


- NOTES:**
- REFER ANY DISCREPANCIES TO ENGINEER
 - STORM AND SANITARY BUILDING SERVICES AND SEWERS TO BE INSULATED AS PER R.M.O.C. STANDARDS WHERE COVER TO INVERT OF PIPE IS LESS THAN 1.5m
 - FOR GEOTECHNICAL DETAILS SEE THE TROW GROUP LIMITED REPORT DATED NOVEMBER 1990
 - ELEVATIONS BY C. A. SEXTON LIMITED (NOVEMBER 25, 1988)
 - ELEVATIONS SHOWN HEREON ARE BASED ON THE REGION OF OTTAWA-CARLETON BENCHMARK TOP OF NORTHEAST CORNER OF EAST GAS PUMP BASE AT SHELL SERVICE STATION. ELEVATION 102.402m
 - WATER SERVICES TO BE INSTALLED AS PER R.M.O.C. STANDARDS AND SPECIFICATIONS
 - CONTRACTOR TO CLEAN EXISTING SANITARY MANHOLE AT NORTH END OF PROPERTY AND EXPOSE EXISTING INVERT TO ALLOW ENGINEER TO CONFIRM DESIGN INVERT PRIOR TO CONSTRUCTION
 - ALL EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE LOCATED ACCURATELY IN THE FIELD PRIOR TO CONSTRUCTION
 - MINIMUM COVER ON WATERMAIN SERVICES TO BE 2.4m
 - ALL UTILITY SERVICING AND RELOCATIONS BY OTHERS
 - SERVICING CONTRACTOR TO ENSURE THAT ALL LOCATIONS OF PETROL STATION SERVICES BE CARRIED OUT PRIOR TO CONSTRUCTION AND TO THE SATISFACTION OF SHELL CANADA AND THEIR ENGINEERS
 - WATER METER IN EXISTING FOOD STORE TO BE ABANDONED AND REMOVED BY R.M.O.C.
 - CURB DETAIL AS PER KANATA STANDARD UR-17
 - FOR GRADING & DRAINAGE DETAILS, REFER TO THE CITY OF KANATA'S STANDARD DRAWINGS AND SPECIFICATIONS
 - DO NOT ALTER GRADING WITHOUT APPROVAL OF THE CITY ENGINEER
 - CONTACT THE CITY FOR GRADING INSPECTIONS UPON COMPLETION OF ROUGH GRADING, PRIOR TO PLACEMENT OF TOPSOIL AND UPON PLACEMENT OF TOPSOIL AND SOO
 - ALL MATERIALS AND CONSTRUCTION METHODS TO THE CITY OF KANATA AND REGIONAL MUNICIPALITY OF OTTAWA SPECIFICATIONS
 - ALL CATCHBASIN MANHOLES SHALL HAVE 600mm DEEP SUMPS TO CITY OF KANATA SPECIFICATIONS
 - ALL MANHOLES SHALL BE 1200mm AND SHALL CONFORM TO CITY OF KANATA SPECIFICATIONS, UNLESS OTHERWISE NOTED
 - THE OWNER SHALL ARRANGE FOR FULL-TIME INSPECTION BY AN ENGINEERING FIRM WITH EXPERIENCE AND QUALIFICATIONS IN MATTERS OF CIVIL ENGINEERING RELATING TO MUNICIPAL SERVICES. WRITTEN VERIFICATION FROM THE CIVIL ENGINEER CONFIRMING THAT ALL ENGINEERING RELATED WORKS FOR THE SITE HAVE BEEN CARRIED OUT IN ACCORDANCE WITH CITY STANDARDS, SPECIFICATIONS AND BY-LAWS, INCLUDING ALL WORKS WITHIN THE CITY ROAD ALLOWANCE.
 - REFER TO LANDSCAPE ARCHITECTS PLAN FOR PLANTING AND OTHER LANDSCAPE FEATURE LOCATIONS
 - AS-BUILT "SITE SERVICING AND GRADING PLANS" WILL BE MAINTAINED AND SUBMITTED TO THE CITY ON A "MYLAR" MATERIAL UPON REQUEST OF THE CITY ENGINEERING DEPARTMENT

ROAD STRUCTURE:

- 40mm HLB
- 40mm HLB
- 200mm GRANULAR 'A'
- 300mm GRANULAR 'B' MIN.
- ALL COMPACTION TO 100% STANDARD PROCTOR DENSITY

- LEGEND:**
- 100+42 EXISTING GRADE
 - 102.30 PROPOSED GRADE
 - PROPOSED FLOW DIRECTION
 - PROPOSED WATER METER INSTALLED AS PER WSO-31
 - PROPOSED REMOTE METER INSTALLED AS PER WSO-31
 - WATER CONSUMPTION FOR CARWASH AND EXISTING FOOD KIOSK IS 40 G.P.M.
 - SAN PROPOSED SANITARY SERVICE
 - ST PROPOSED STORM SERVICE
 - WM PROPOSED WATER SERVICE
 - TRANSFORMER PROPOSED TRANSFORMER
 - HYDRO PROPOSED HYDRO SERVICE
 - INSULATION



NO.	REVISIONS	DATE	INITIAL
4.	REVISE LOCATION OF SOUTHERLY ENTRANCE	94/06/03	
3.	ADD BERM AS PER CITY OF KANATA	94/04/22	
2.	REVISED AS PER CITY OF KANATA	94/04/14	
1.	REVISED AS PER R.M.O.C.	94/02/11	

PROPOSED EXPANSION
OF EXISTING SHELL STATION
EAGLESON ROAD, KANATA

**SITE SERVICING
&
GRADING**

Cumming Cockburn Limited
Consulting Engineers, Planners, and Environmental Scientists

SCALE: 1:250

DRAWN BY: M.M./CAD
DESIGN: A.E.S., CHECKED: C.C.L.
DATE: JAN. '94
FIELD BOOK
DRAWING NO: 3930-10-100