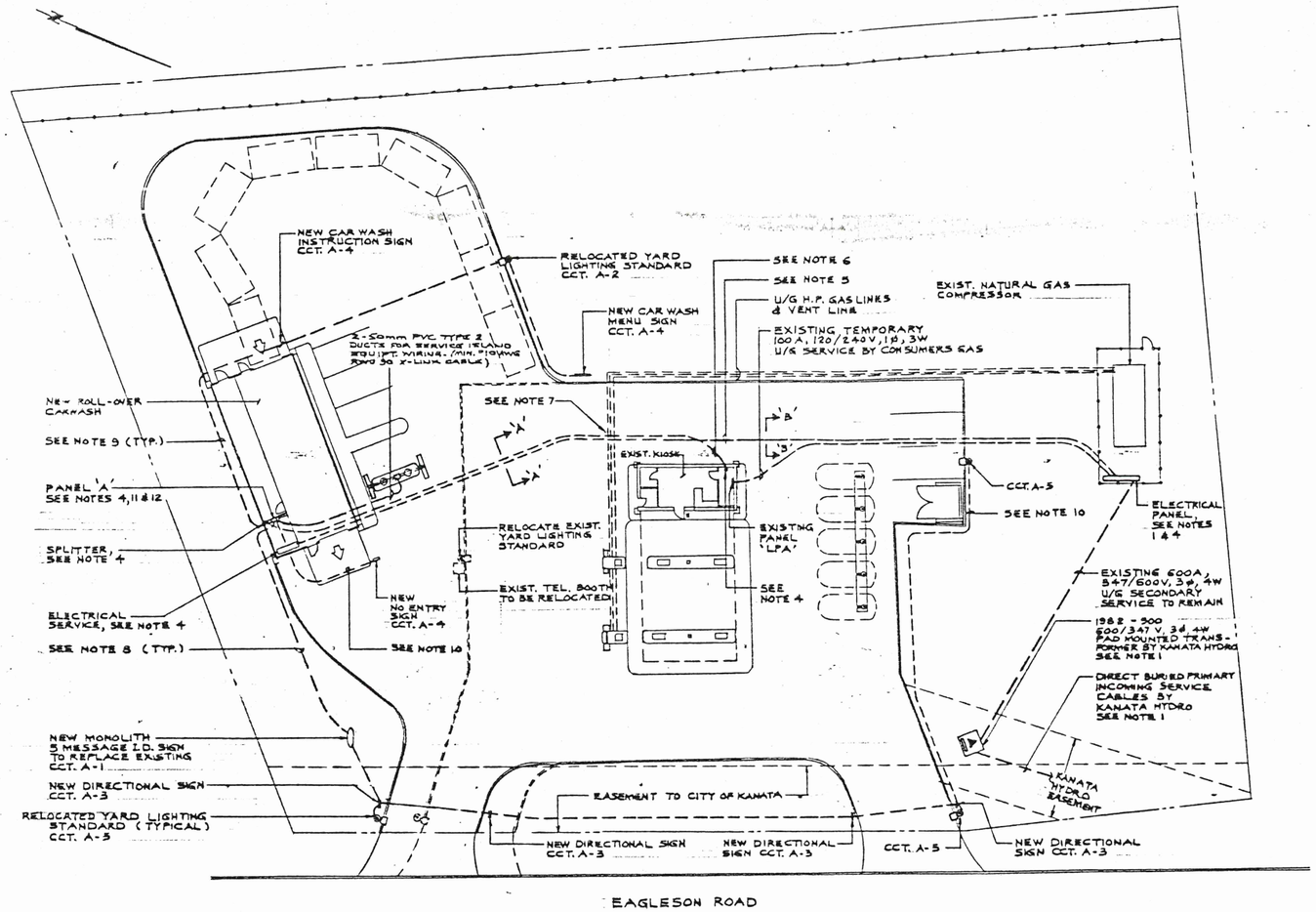
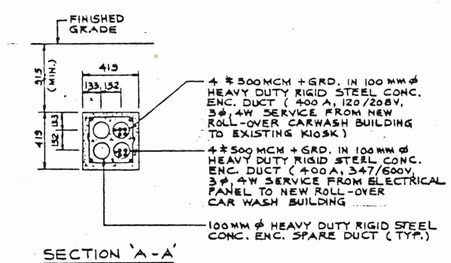


SITE PLAN

SCALE 1 : 250

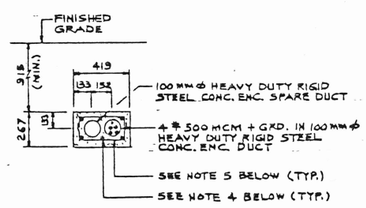
NOTES :

1. FOR INCOMING PRIMARY SERVICE, PAD MOUNTED TRANSFORMER AND ELECTRICAL PANEL DETAIL, REFER TO KANATA HYDRO'S DWG. NO. KH425D.
2. ALL UNDERGROUND WIRING SHALL BE RWU90 XLPE INSULATION CONSEALED IN DUCT(S), UNLESS NOTED OTHERWISE.
3. CO-ORDINATE ALL WORK WITH KANATA HYDRO AND OTHER TRADES.
4. VERIFY EXACT LOCATION OF DUCT TERMINATIONS AT SITE.
5. PROVIDE 4 # 500 MCM + GRD. (400A, 347/600V, 3φ, 4W SERVICE) IN 100 mm φ HEAVY DUTY RIGID STEEL CONCRETE ENCASED DUCT + 1 x 100 mm φ HEAVY DUTY RIGID STEEL CONC. ENC. SPARE DUCT FROM 400/400AF-3P FUSED DISCONNECT SWITCH AT ELECTRICAL PANEL TO ELECTRICAL SERVICE IN NEW ROLL-OVER CARWASH BUILDING, REFER TO SECTION 'A-A'.
(NOTE : 2 PARALELL RUNS OF 4 # 3/0 + GRD. IN 2 x 63 mm φ HEAVY DUTY RIGID STEEL CONC. ENC. DUCTS + 2 x 63 mm φ HEAVY DUTY RIGID STEEL CONC. ENC. SPARE DUCTS WILL BE ACCEPTABLE AS AN ALTERNATE).
PROVIDE EYS SEALS AT EACH END.
6. PROVIDE 4 # 500 MCM + GRD. (400A, 120/208V, 3φ, 4W SERVICE) IN 100 mm φ HEAVY DUTY RIGID STEEL CONCRETE ENCASED DUCT + 1 x 100 mm φ HEAVY DUTY RIGID STEEL CONC. ENC. SPARE DUCT FROM 400/400AF-3P FUSED DISCONNECT SWITCH AT SPLITTER IN NEW ROLL-OVER CARWASH BUILDING TO EXISTING KIOSK, REFER TO SECTION 'A-A'.
(NOTE : 2 PARALELL RUNS OF 4 # 3/0 + GRD. IN 2 x 63 mm φ HEAVY DUTY RIGID STEEL CONC. ENC. DUCTS + 2 x 63 mm φ HEAVY DUTY RIGID STEEL CONC. ENC. SPARE DUCTS WILL BE ACCEPTABLE AS AN ALTERNATE).
PROVIDE EYS SEALS AT EACH END.
7. THE NOMINAL DEPTH OF GAS PIPES IS 1220 mm, VERIFY EXACT DEPTH AT SITE. MAINTAIN 305 mm MINIMUM CLEARANCE BETWEEN GAS PIPES AND 4 x 100 mm φ HEAVY DUTY RIGID STEEL CONCRETE ENCASED DUCT BANK.
8. ALL WIRING FOR CCT. A-1/3/5 SHALL BE 4 # 8 + GRD. - 50 mm φ TYPE II RIGID PVC DIRECT BURIED DUCT (UNLESS NOTED OTHERWISE), 915 mm MINIMUM BELOW FINISHED GRADE.
9. ALL WIRING FOR CCT. A-2/4 SHALL BE 3 # 8 + GRD. - 25 mm φ TYPE II RIGID PVC DIRECT BURIED DUCT (UNLESS NOTED OTHERWISE), 915 mm MINIMUM BELOW FINISHED GRADE.
10. PROVIDE 2 # 8 + GRD. - 25 mm φ TYPE II RIGID PVC DIRECT BURIED CONDUIT, 915 mm MINIMUM BELOW FINISHED GRADE.
11. SIZE OF CCT. BKR. FOR CCT. A-1/3/3 SHALL BE 15A-3P.
12. SIZE OF CCT. BKR. FOR CCT. A-2/4 SHALL BE 15A-2P.
13. VERIFY EXACT LOCATION OF U/G UTILITIES PRIOR TO COMMENCING ANY WORK.



SECTION 'A-A'

N.T.S.



SECTION 'B-B'

N.T.S.

NOTES : (DUCT BANK)

1. ALL DUCTS SHALL BE 100 mm φ HEAVY DUTY RIGID STEEL.
2. MATERIAL METHOD OF CONSTRUCTING DUCT BANK SHALL CONFORM WITH KANATA HYDRO'S STANDARDS AND SPECIFICATIONS.
3. PROVIDE 21 MPa CONCRETE ENVOLOPE.
4. NO. 4 DEFORMED REINFORCING BARS.
5. NO. 3 DEFORMED REINFORCING BAR TIES SPACED ON 610 mm CENTRES ALONG ENTIRE LENGTH OF LONGITUDINAL BARS.
6. MOULDED PLASTIC INTERLOCKING DUCT SPACERS @ 1524 mm INTERVALS ALONG ENTIRE LENGTH OF DUCT BANK.
7. PRECAST CONCRETE BLOCKS SPACED AT 915 mm CENTRES ALONG ENTIRE LENGTH OF LONGITUDINAL BARS FOR SUPPORT.
8. ALL LONGITUDINAL REINFORCING BARS TO BE WIRED TOGETHER TO NO. 3 TIE BARS AND TO PLASTIC SPACERS. LONGITUDINAL REINFORCING BARS SHALL OVERLAP 40 BAR DIAMETERS MINIMUM.
9. CAP UNUSED DUCT.

NO	DATE	REVISION	BY	CHKD	
2	JUNE 13/94	CABLES TO SERVICE ISLAND STANDS, INDIV. BARS REMOVED	EC		
1	MAY 11/94	GENERAL REVISION	M.A.		

Shell Canada Products Limited

HEAD OFFICE CALGARY ALTA.

SITE PLAN AND DETAILS ELECTRICAL

SCALE	AS NOTED
DATE	MAY 1994
DRAWN BY	M.A.
CHECKED	T.A.F.
APPROVED	T.A.F.

106 EAGLESON ROAD KANATA, ONTARIO.

ACCOUNT

FILE NO. 10231

DWG. NO. SPE-1

THOMAS A. FEKETE LIMITED

REGISTERED PROFESSIONAL ENGINEER 4058 T.A. FEKETE PROVINCE OF ONTARIO