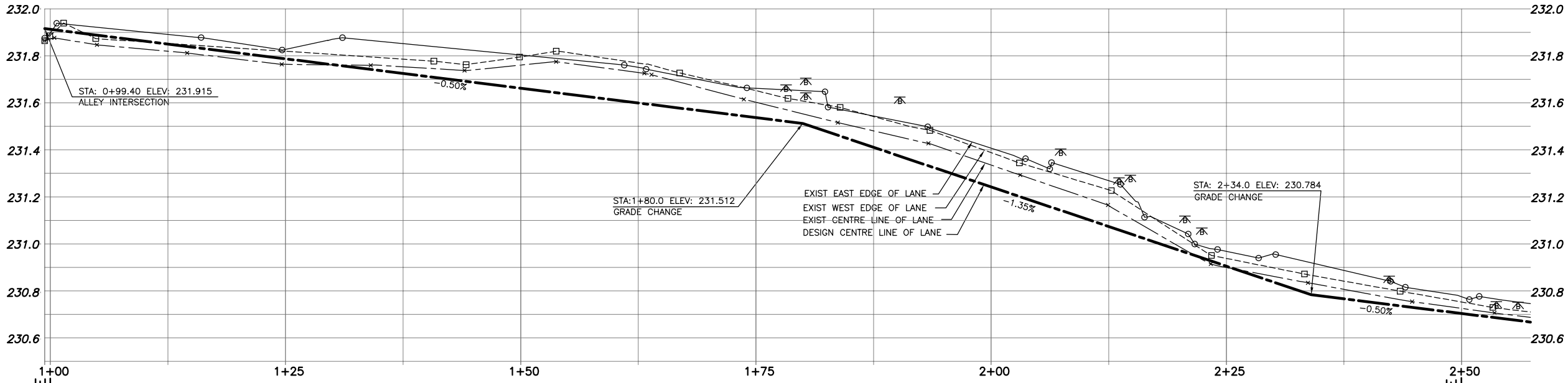
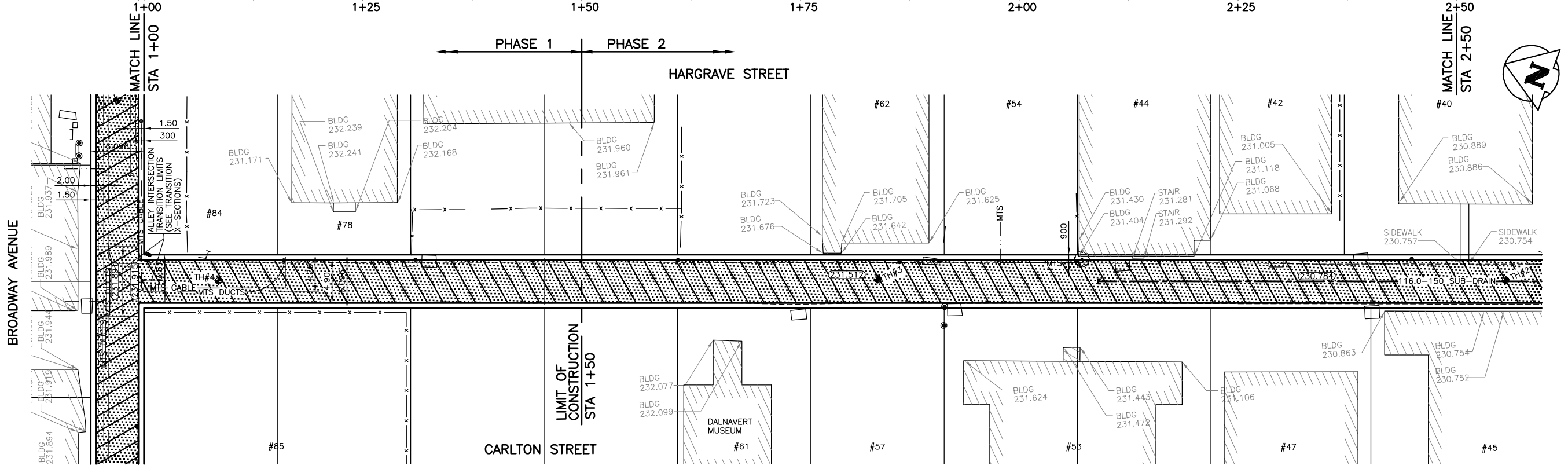
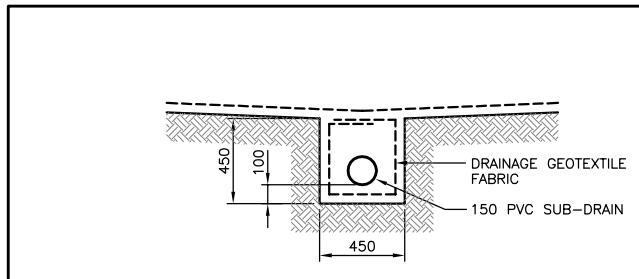
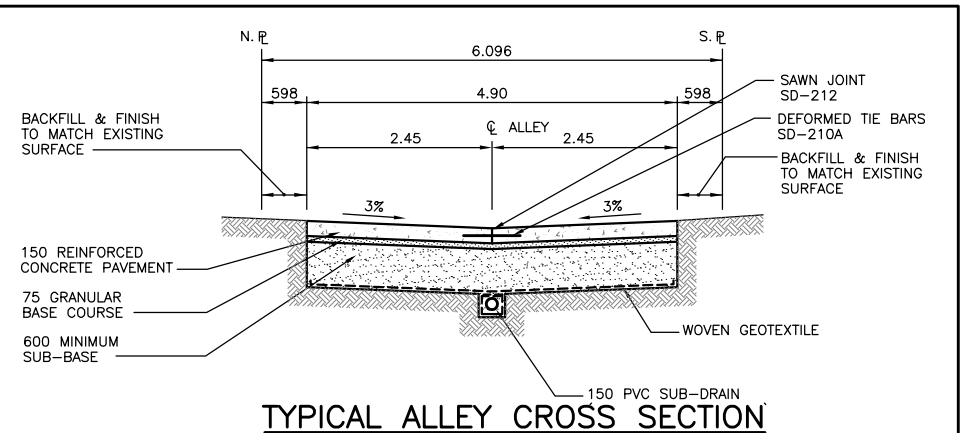






SUB-DRAIN DETAIL

SCALE: 1:20



TYPICAL ALLEY CROSS SECTION

SCALE: 1:50

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION OT AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

0 5 10 15 20 25m

SCALE: 1:250 METRIC A1
1:500 METRIC A3

APEGM
Certificate of Authorization
KGS Group
No. 245 Expiry: April 30, 2005

SUB-DRAIN	SUB-DRAIN	SUB-DRAIN	•	POLES T-MTS H-HYDRO				
300 LDS	LAND DRAINAGE SEWER	300 LDS	⊣	TEST HOLE				
250 WWS	WASTE WATER SEWER	250 WWS	⊷	GUY WIRE				
	GAS			LIGHT STANDARD				
	HYDRO			BACK OF CURB				
	M.T.S.			EARLY CONCRETE				
150 WM	WATERMAIN	150 WM		CONCRETE				
⊹	HYDRANT	✦		ASPHALT		╳	C	C PROFILE
⊗	VALVE	⊗		SIDEWALK		□	N/W	N/W LANE EDGE
○	MANHOLE	●	⊹	PROPERTY LINE		○	S/E	S/E LANE EDGE
□	CATCH BASIN	■	◎	SURVEY BAR	⊹	B	B	BUILDING EDGE
▽	CURB INLET	▼	231.334	GEODETIC BENCHMARK	(32.231)	C	C	PARKING/DRIVEWAY
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	ELEVATION	PROPOSED	EXISTING	WDS	WINDOW/DOOR SILL
			LEGEND-PLAN			LEGEND-PROFILE		PROPOSED

COWLEGEND

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. 35-015
ELEV. 230.344m

BOLT IN CONC. PILE TO HARDPAN ON PRODUCTION OF W.L. OF SMITH ST., 2.7m S. OF N.L. OF ASSINIBOINE AVE.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	26/05/04	CR
A	ISSUED FOR REVIEW	14/05/04	CR

KGS GROUP
CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG (204) 896-1209
THUNDER BAY (807) 345-2233

DESIGNED BY	B.S.	CHECKED BY	C.R.
DRAWN BY	D.W.	APPROVED BY	R.J.H.
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION:	
VERTICAL:	1:10		
DATE	DEC 11, 2003	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
M.C. ROWBOTHAM
Member 22679
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
03-107-15

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION

PROJECT TITLE
2004 ALLEY RENEWALS
CARLTON/HARGRAVE LANE
BROADWAY AVE. SOUTH LANE
TO ASSINIBOINE AVE.
STA. 1+00 TO STA. 2+50

SHEET 07 OF 12
COMPUTER FILE NAME 03-107-15
CITY DRAWING NUMBER •