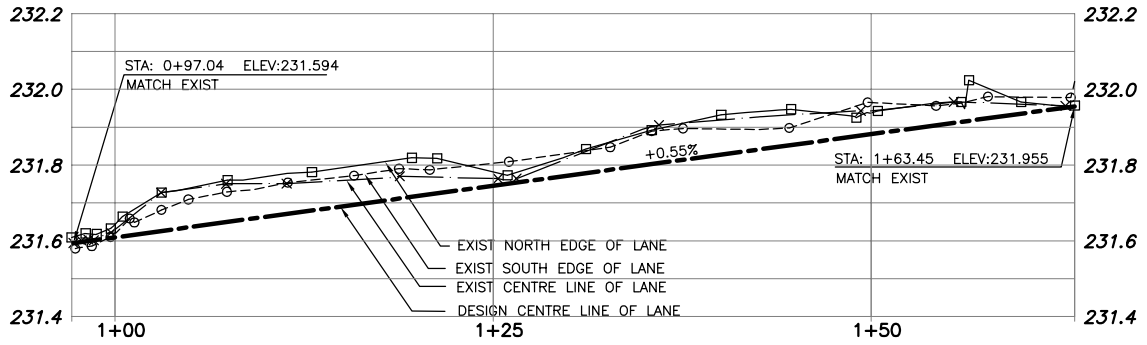
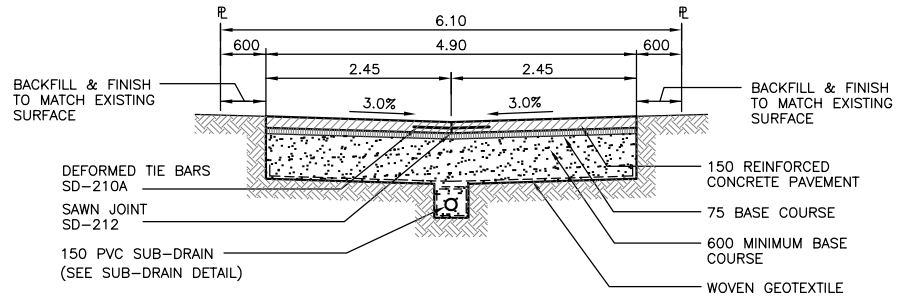
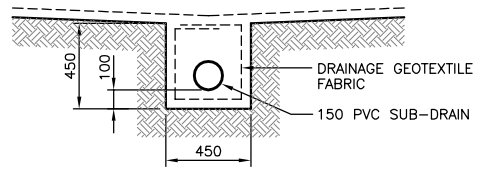




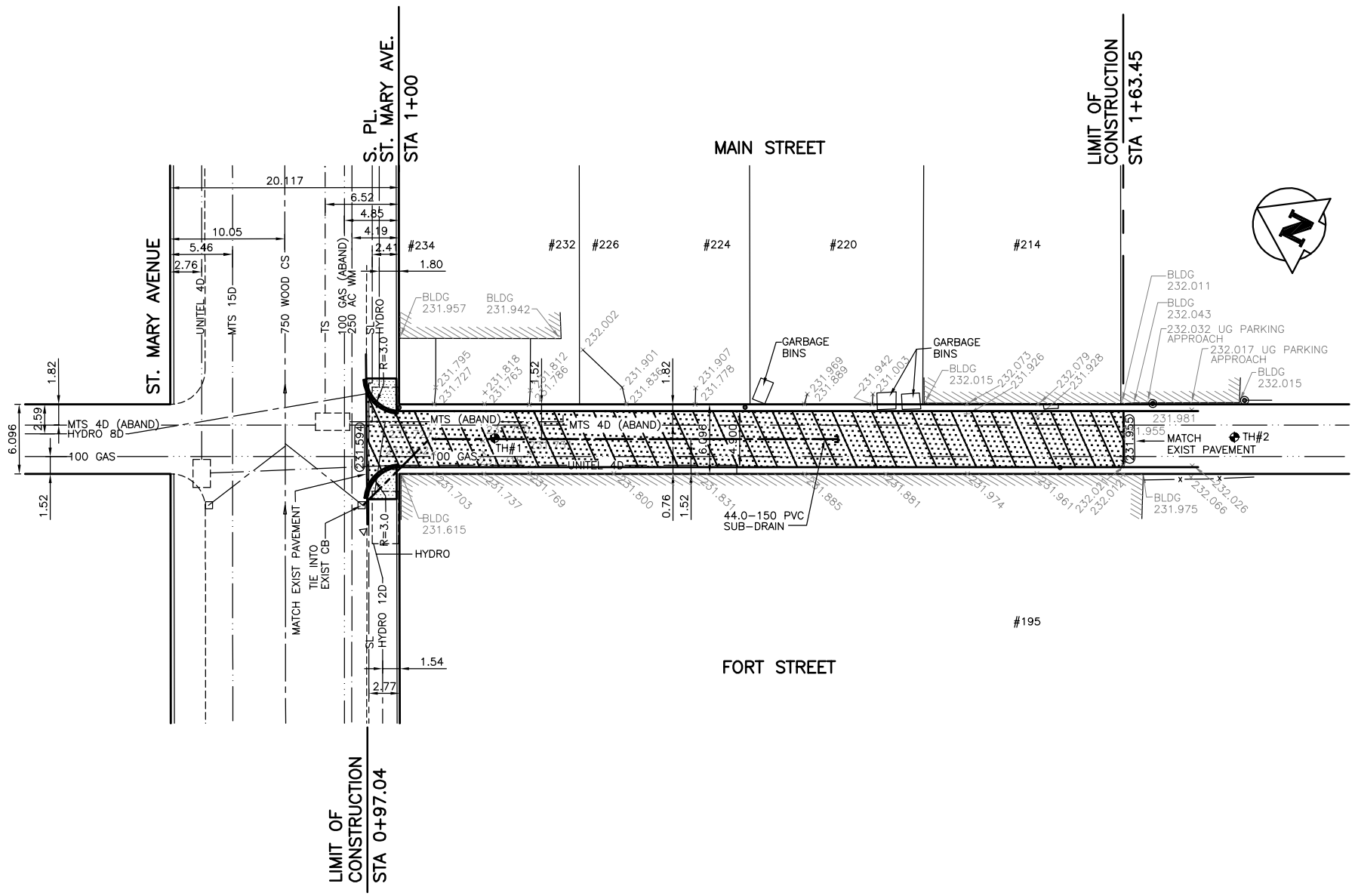
TYPICAL ALLEY CROSS SECTION

SCALE: 1:50



SUB–DRAIN DETAIL

SCALE: 1:20



LIMIT OF CONSTRUCTION STA 0+97.04

COWLEGEND

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

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

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. 35–029
ELEV. 232.515m

S.W. Cor. Main St. & York Ave., Tblt. in E. Conc. foundation No. 180 Main St., 15.5m S. & 0.1m below brick of N.E. Cor. of Bldg.

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.
DRAWN BY D.W.
CHECKED BY C.R
APPROVED BY R.J.H.
HOR. SCALE: 1:250
VERTICAL: 1:10
DATE 16 JANUARY, 2004
RELEASED FOR CONSTRUCTION:
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

FORT ST. EAST LANE
ST. MARY AVE. TO
70M SOUTH OF ST. MARY AVE.

SHEET 09 OF 12
COMPUTER FILE NAME 03–107–15
CITY DRAWING NUMBER •