

- NOTES:
1. ADJUST MH AND CB RIMS TO NEW GRADES.
 2. AVOID DAMAGE TO EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION.
 3. REGRADE EXISTING PRIVATE SIDEWALKS AS REQUIRED.
 4. LIGHT STANDARDS, HYDRO POLES AND ANCHORS MAY REQUIRE TEMPORARY SUPPORT/ REMOVAL OR REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
 5. PLUG SUBDRAINS AT TERMINAL ENDS.
 6. MAINTAIN ACCESS TO #326 QUEENSTON AND #355 NIAGARA DURING PHASE 1.
 7. MAINTAIN ACCESS TO #330 QUEENSTON AND #359 NIAGARA DURING PHASE 2.
 8. CHAINAGE ALONG ALLEY CENTERLINE.
 9. ISOLATE ALL POLES, BASES AND PILES WITHIN ALLEY RIGHT-OF-WAY (SD-228C)

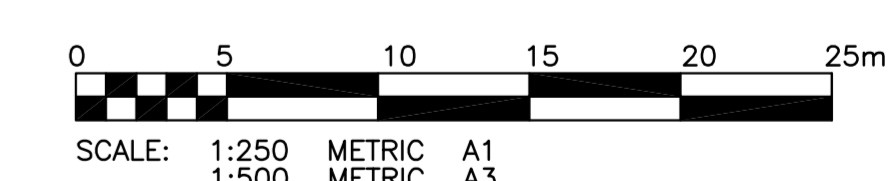
WARNING

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 TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



TYPICAL ALLEY CROSS SECTION
SCALE: 1:50

SUBDRAIN DETAIL
SCALE: 1:20

SUB-DRAIN	SUB-DRAIN	SUB-DRAIN	POLES	T-MIS	LEGEND-PLAN	LEGEND-PROFILE
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.	---	---	CONCRETE	---	---
150 WM	WATERMAIN	150 WM	---	ASPHALT	---	---
⊕	HYDRANT	⊕	---	SIDEWALK	---	---
⊙	VALVE	⊙	---	PROPERTY LINE	---	---
○	MANHOLE	○	---	SURVEY BAR	---	---
□	CATCH BASIN	□	---	GEODETIC BENCHMARK	---	---
▽	CURB INLET	▽	---	ELEVATION	---	---
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES DATE COMMITTEE

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.

NO.	ISSUED FOR TENDER	DATE	BY
0	ISSUED FOR TENDER	05/04/04	CR
NO.	REVISIONS	DATE	BY

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS

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DESIGNED BY: C.R. CHECKED BY: []
DRAWN BY: A.M. APPROVED BY: []

HOR. SCALE: 1:250
VERTICAL: 1:10

RELEASED FOR CONSTRUCTION: []
DATE: APRIL 04, 2005

ENGINEER'S SEAL

M.C. ROWBOTHAM
Member 22679
PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO. 04-0107-18

BID OPPORTUNITY NO. 200-2005

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION

PROJECT TITLE: 2005 ALLEY RENEWAL PROGRAM
QUEENSTON / NIAGARA ALLEY
PAVEMENT RECONSTRUCTION

SHEET 03 OF 08
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