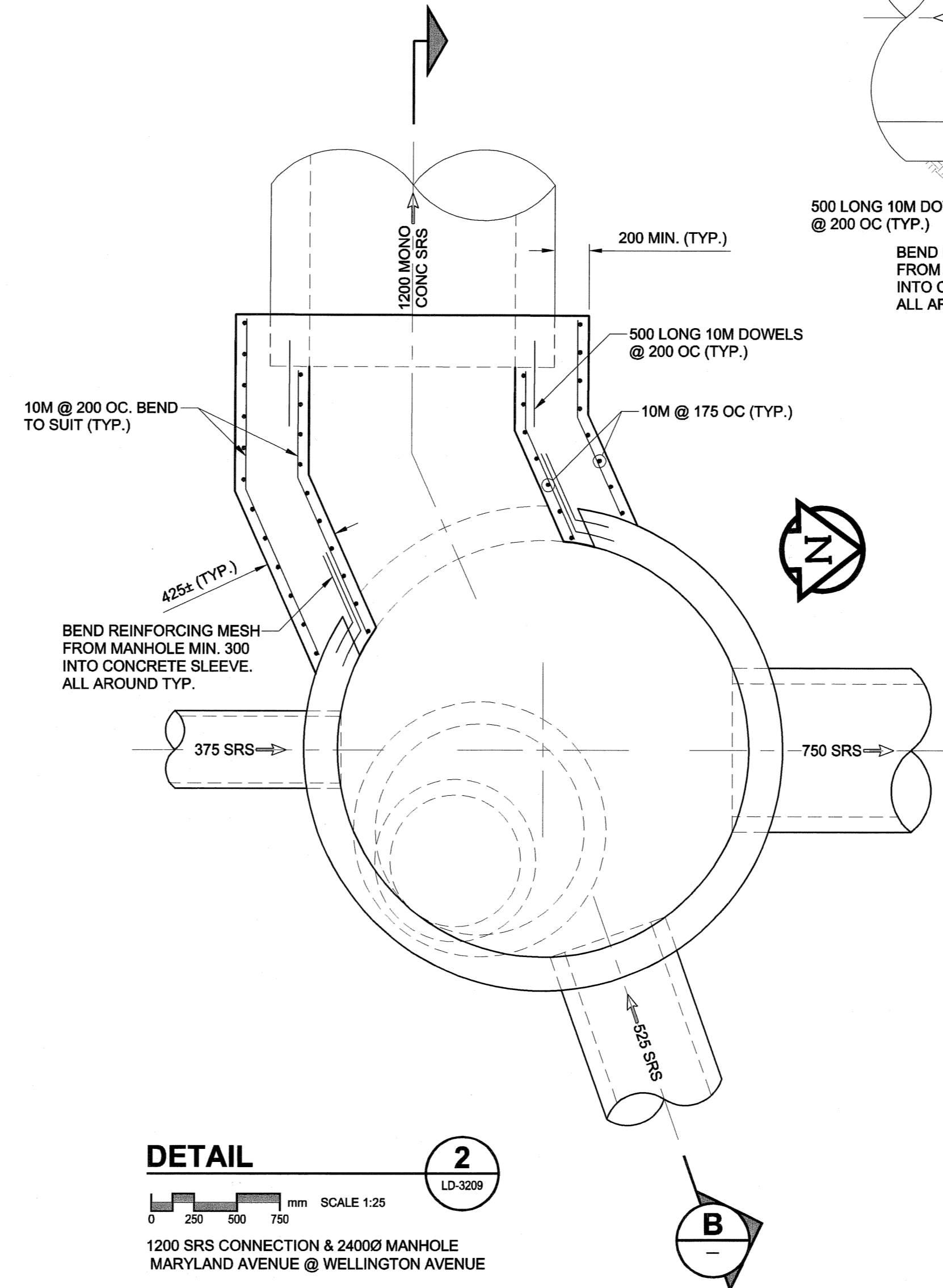
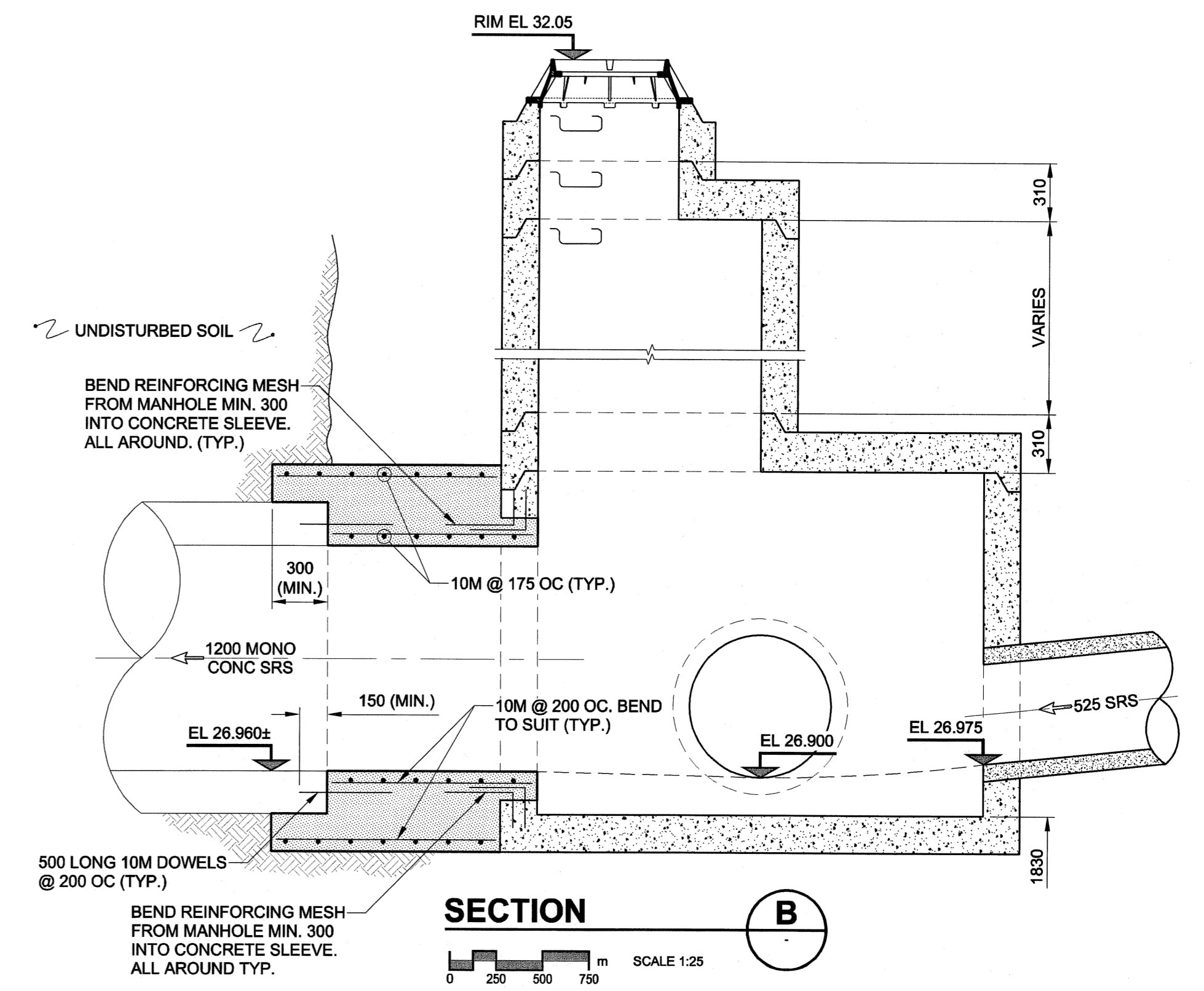


DETAIL 1
LD-3204
SCALE 1:25
200 WEIR WALL CONSTRUCTION DETAIL SRS MH.75747
WELLINGTON AVENUE WEST OF TORONTO STREET



DETAIL 2
LD-3209
SCALE 1:25
1200 SRS CONNECTION & 2400Ø MANHOLE
MARYLAND AVENUE @ WELLINGTON AVENUE



SECTION B
SCALE 1:25

HYDRAULIC CEMENT GROUT	EXPOXY GROUT
d = BAR DIA. +20mm	d AND L _e IN ACCORDANCE WITH MANUFACTURER'S PRINTED SPECIFICATIONS
L _e : 10M - 150mm	
15M - 200mm	
20M - 250mm	
25M - 300mm	

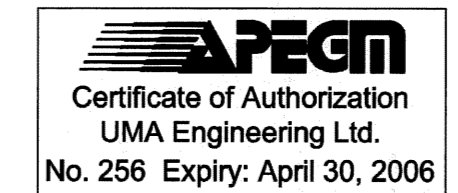
d = REINFORCING BAR DIAMETER
L_e = LENGTH OF REINFORCING BAR

LAP TABLE	
BAR	LAP
10M	500
15M	700
20M	870

- NOTES:**
1. DRILL HOLE OF DIAMETER AND DEPTH AS REQUIRED.
 2. CLEAN HOLE OF DUST & DEBRIS.
 3. FILL HOLE WITH DOWELLING GROUT.
 4. INSTALL REINFORCING BAR & WIPE AWAY GROUT.
 5. SECURE DOWEL BAR FIRMLY IN POSITION & DO NOT DISTURB BAR FOR 3 HOURS AFTER INSTALLATION.

NOTE:
CLEAR COVER TO REINFORCING SHALL BE 50mm ±12mm FOR CAST-IN-PLACE SLABS AND CAST-IN-PLACE BEAMS AND WALLS.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



LOCATION APPROVED UNDERGROUND STRUCTURES

SUPR. 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.	REVISIONS	YY/MM/DD	BY
0	ISSUED FOR CONSTRUCTION	05/11/03	ADL

DESIGNED BY		CHECKED BY	
GEB			
DRAWN BY		APPROVED BY	
ADL			
HOR. SCALE	AS NOTED	RELEASED FOR CONSTRUCTION	
VERT. SCALE	N/A	DATE	05/11/03

PROFESSIONAL'S SEAL	CONSULTANT DRAWING NO. 15
UMA Engineering Ltd.	D285-177-02

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

ALEXANDER/BANNATYNE COMBINED SEWER RELIEF CONTRACT 2B

MARYLAND AVENUE MISCELLANEOUS DETAILS

SHEET 15 OF 17
CITY DRAWING NUMBER
LD-3218
REV 0

BID OPPORTUNITY NO. 584-2005