



PLUG AND ABANDON EX CB LEAD
INSTALL 16.3 OF 250 CB LEAD AT 4.3%
RIM 33.55±, INV 31.90, BOT 31.30
CONNECT TO NEW LDS MH S423

REMOVE EX CB
PLUG & ABANDON EX CB LEAD W
INSTALL NEW CB (SD-024)
C/W 16.5 OF 250 CB LEAD AT 2.79%
RIM 33.29±, INV 31.64, BOT 31.04

"CAUTION - WM"

INSTALL MH S423
1500 BASE (SD-010)
RIM 33.85±
600 S INV 30.150
250 N INV 31.200
250 E INV 31.180

VERIFY SEWER SERVICE DEPTH
BY SOFT DIG BEFORE
COMMENCING WORK ON
THIS DRAWING

INSTALL 47.7 OF 600 LDS
AT 0.19% (C76-CL IV)

INSTALL LDS MH S421
1800 BASE (SD-010)
RIM 34.10±
750 E INV 29.900
600 N & W INV 30.060
375 S INV 31.824

INSTALL 19.7 OF 600 LDS
AT 4.26% (C76-CL IV)

INSTALL LDS MH S422
1500 BASE (SD-010)
RIM 34.100±
600 E INV 30.900
250 SW INV 31.718
250 S INV 31.928

"CAUTION - HYDRO"

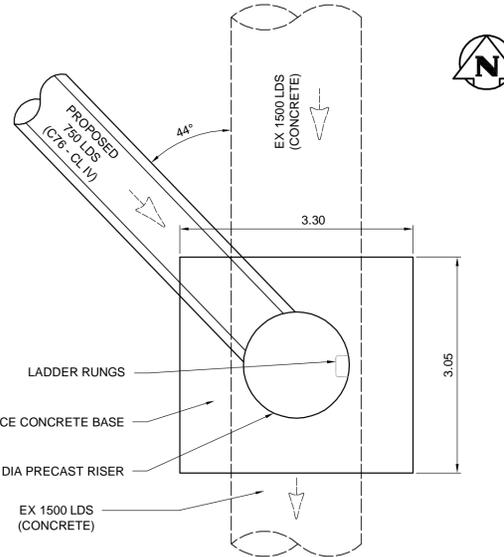
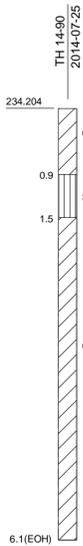
REMOVE EX CBs
PLUG AND ABANDON EX CB LEADS
INSTALL NEW CB (SD-024)
C/W 22.1 OF 250 CB LEAD AT 2.0%
RIM 33.81±, INV 32.16, BOT 31.56,

REMOVE EX CB
PLUG AND ABANDON EX CB LEAD W
INSTALL NEW CB (SD-024)
C/W 10.3 OF 375 CB LEAD AT 2.0%
RIM 33.68±, INV 32.03, BOT 31.43,

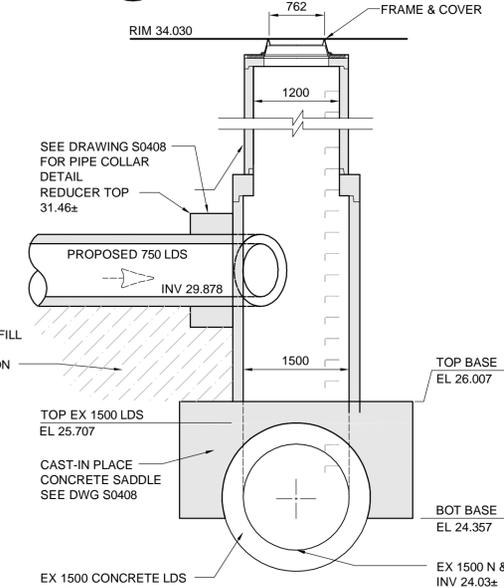
PLUG AND ABANDON EX CB LEAD
INSTALL 17.6 OF 250 LEAD AT 2.0%
RIM 33.93±, INV 32.28,

KING EDWARD STREET

KING EDWARD STREET E



MH S420
KING EDWARD ST E
MANHOLE (SECTION)
1
C0406 C0406 1:50



MH S420
KING EDWARD ST E
MANHOLE (SECTION)
2
C0406 C0406 1:50

CONSTRUCTION NOTES:

1. LOCATION OF ALL SEWER AND WATER LINES TO BE CONFIRMED IN THE FIELD.
2. SEWER AND WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE ONLY.
3. INSTALL NEW SEWER AND CATCHBASIN LEADS BY TRENCHLESS METHODS, UNLESS NOTED OTHERWISE.
4. CATCHBASIN LEAD RISERS TO BE TYPE 'B' (SD-015).
5. MINIMIZE STOCKPILING OF MATERIALS ON 2014 ASPHALT OVERLAY.

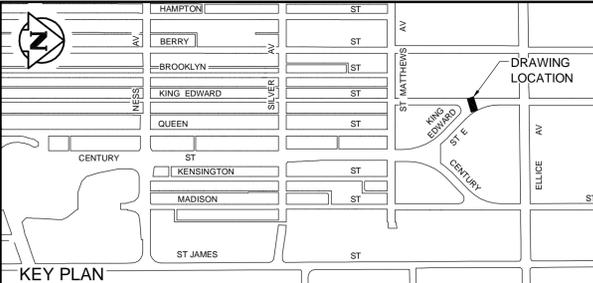
GENERAL NOTES:

1. SEE SPECIFICATIONS FOR DETAILED TEST HOLE INFORMATION.

APECM
Certificate of Authorization
TETRA TECH WEI Inc.
No. 5313 Date: April 30, 2015

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 140/92 FOR DETAILS.

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED
150 WM	WATERMAIN	150 WM	BEND	ANCHOR	LOCATION APPROVED UNDERGROUND STRUCTURES	B.M. CITY OF WINNIPEG 38-069	TETRA TECH	
400 FM	FEEDERMAIN	400 FM	TEE	TREE	SUPV. U/G STRUCTURES COMMITTEE	ELEV. 233.792m	DESIGNED BY GH, KJM	CHECKED BY KJM
300 LDS	LAND DRAINAGE SEWER	300 LDS	CURB STOP	LEGAL DIMENSION	DATE		DRAWN BY GMD, NL	APPROVED BY GS
250 WWS	WASTEWATER SEWER	250 WWS	PLUG	SURVEY BAR	NOTE:		HOR. SCALE: 1:250	RELEASED FOR CONSTRUCTION
300 CS	COMBINED SEWER	300 CS	MANHOLE	TRAFFIC SIGNAL	LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.		VERTICAL: 1:50	DATE 10-11-14
200 FCM	FORCEMAIN	200 FCM	CATCHBASIN	GAS				CONSULTANT DRAWING NO. 1000120300-DWG-C0149
	JUNCTIONS		CURB INLET	HYDRO				
	HYDRANT		ADDRESS	MTS				
	VALVE		HYDRO POLE	SIDEWALK				
	REDUCER		LIGHT STANDARD	CURB				



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

FERRY ROAD AND RIVERBEND
COMBINED SEWER RELIEF WORKS
CONTRACT 4
KING EDWARD STREET EAST
AT KING EDWARD STREET

CITY DRAWING NUMBER
LD-7377
SHEET 6 OF 9
C0406

PROVINCE OF MANITOBA
K.J. McRAE
REGISTERED PROFESSIONAL ENGINEER
DATE 10-11-14