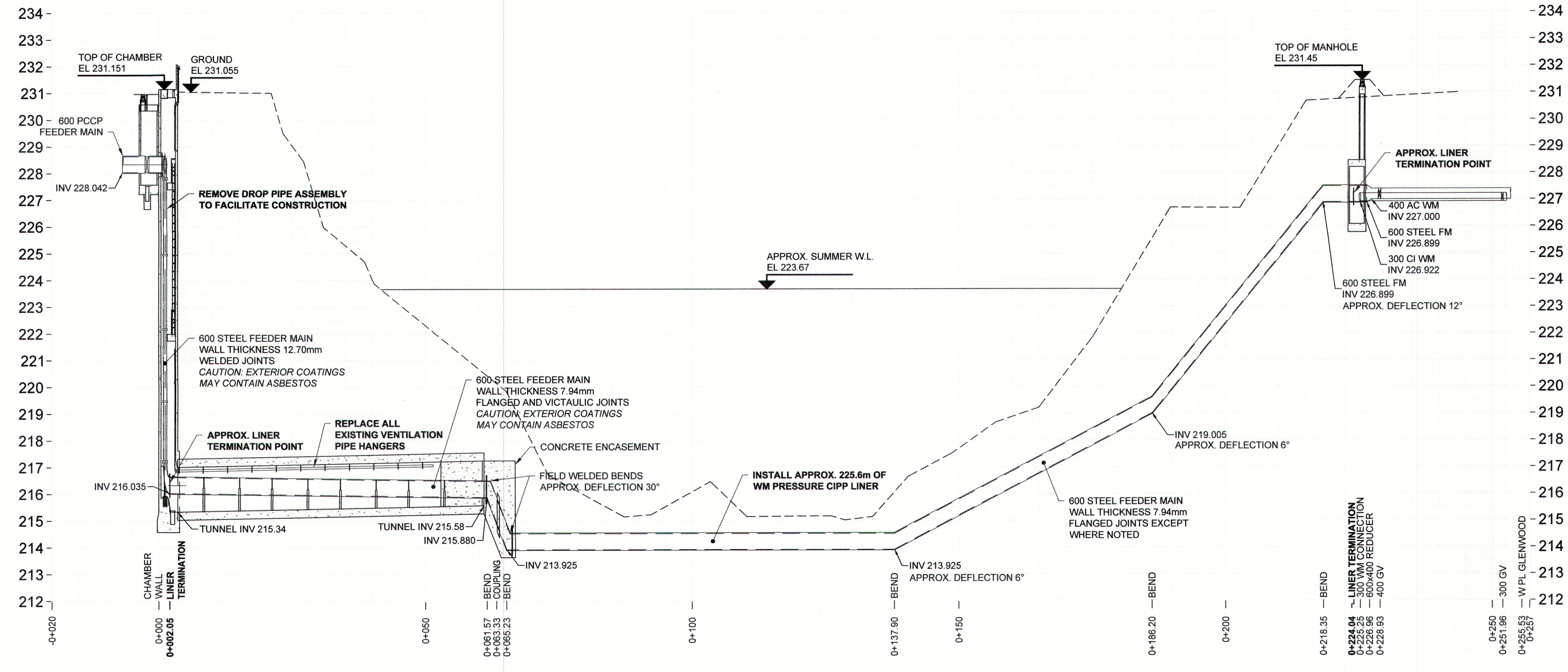


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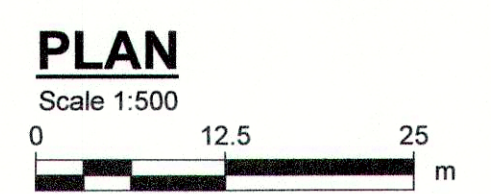
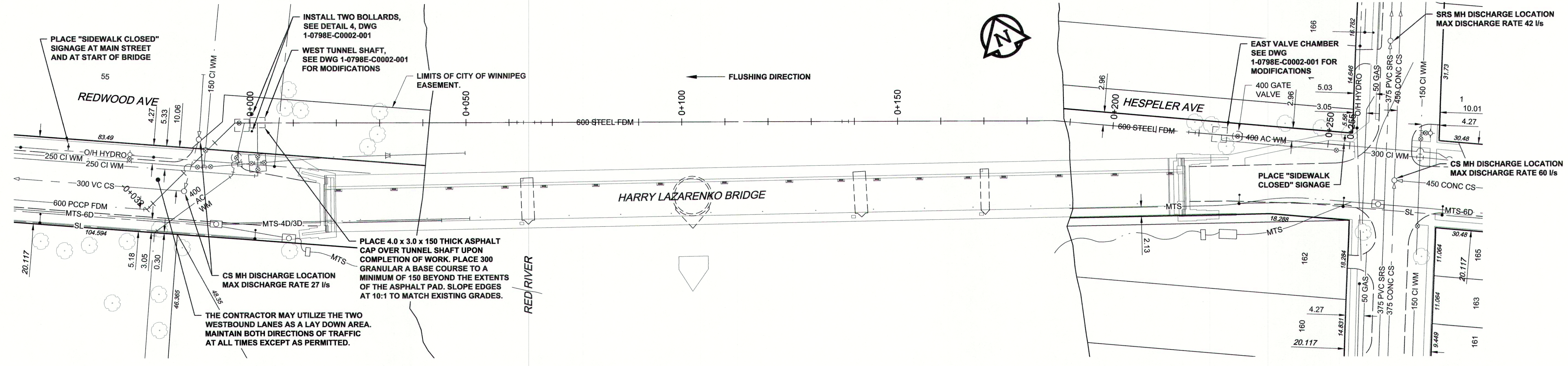
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AECOM REVIEW DRAFT CHK
AECOM FILE NAME: 60622949-SHT-30-0000-C-1001.dwg Saved By: cooperk



- CONSTRUCTION NOTES:**
- OPERATION OF EXISTING WATER MAIN VALVES BY CITY STAFF ONLY.
 - FLUSHING AND OTHER WATER COLLECTED DURING THE COURSE OF THE WORK MAY BE DISCHARGED INTO THE MANHOLES SHOWN ON THE DRAWINGS AT THE MAXIMUM FLOW RATED IDENTIFIED, TO AN LDS SEWER (WITH DECHLORINATION), OR TO THE RIVER (WITH DECHLORINATION AND ASSOCIATED PROVISIONS) IN ACCORDANCE WITH THE SPECIFICATIONS.
 - THE FEEDER MAIN MAY BE DEWATERED TO FACILITATE CONSTRUCTION.
 - THE CONTRACTOR SHALL ADDRESS ALL ACTIVE INFILTRATION IN THE EXISTING FEEDER MAIN PRIOR TO INSTALLATION OF THE CIPP LINER IN ACCORDANCE WITH THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL INSTALL A NSF 61, AWWA CLASS III STRUCTURAL CIPP LINER.
 - THE CONTRACTOR MAY ELECT TO REMOVE THE FEEDER MAIN PIPING WITHIN THE TUNNEL AND TERMINATE THE LINERS NEAR THE END OF THE TUNNEL. SHOULD THE CONTRACTOR PURSUE THIS OPTION THE FOLLOWING WORK SHALL BE UNDERTAKEN:
 - THE ADDITIONAL FEEDER MAIN PIPING REMOVED MUST BE SANDBLASTED AND INTERIOR AND EXTERIOR EPOXY COATED PRIOR TO REINSTALLATION AS SPECIFIED.
 - ALL JOINTS MUST BE REASSEMBLED WITH ALL NEW VICTAULIC COMPONENTS, GASKETS, AND HARDWARE AS SPECIFIED.
 - CIPP LINER TERMINATIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECONNECT TO THE EXISTING PIPING IN A MANNER CONSISTENT WITH THE EXISTING PIPING CONFIGURATION. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A CIPP LINER TERMINATION CONFIGURATION WHICH IS COMPATIBLE WITH THE EXISTING PIPING CONFIGURATION AND MEETS THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL COMPLETE THE FOLLOWING POST INSTALLATION:
 - LEAKAGE TEST. LEAKAGE TEST SHALL INCLUDE THE VERTICAL DROP PIPE WITHIN THE WEST TUNNEL SHAFT AS SHOWN. COMPLETION OF A PRELIMINARY LEAKAGE TEST OF THE LINER AND TERMINATIONS PRIOR TO ASSEMBLY OF THE ADJACENT CHAMBER PIPING.
 - DISINFECTION AND HEALTH TESTING AFTER ASSEMBLY OF ADJACENT CHAMBER PIPING AS SHOWN AND AS SPECIFIED.
 - THE FOLLOWING CIPP SAMPLES SHALL BE COLLECTED:
 - 1 CONFINED PIPE SAMPLE
 - 2 PLATE SAMPLES
 - RESTORE BOULEVARDS, SIDEWALKS, AND ROADWAYS UPON COMPLETION OF THE WORK.
 - THE CONTRACTOR MAY UTILIZE THE TWO WESTBOUND LANES ON REDWOOD AVE WEST OF THE HARRY LAZARENKO BRIDGE AS A LAY DOWN AREA. BOTH EASTBOUND AND WESTBOUND TRAFFIC MUST BE MAINTAINED AT ALL TIMES EXCEPT AS PERMITTED.
 - THE CONTRACTOR MAY REQUEST A SINGLE 48 HOUR ROAD CLOSURE OF REDWOOD AVE AND HESPELER AVE TO FACILITATE LINER INSTALLATION.

CHAINAGE ALONG CENTRELINE OF PIPE



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

150 WM	WATERMAIN	150 WM	○	CURB STOP	○	150 WM	WATERMAIN	150 WM	○	LOCATION APPROVED	DATE
○	HYDRANT	○	○	REDUCER	○	○	HYDRANT	○	○	UNDERGROUND STRUCTURES	
○	VALVE	○	○	COUPLING	○	○	VALVE	○	○	SUPR. U/G STRUCTURES	
○	LAND DRAINAGE SEWER	○	○	ANODE	○	○	LAND DRAINAGE SEWER	○	○	COMMITTEE	
○	WASTE WATER SEWER	○	○	HYDRO	○	○	WASTE WATER SEWER	○	○	NOTE:	
○	MANHOLE	○	○	MTS	○	○	PAVEMENT CROWN	○	○	LOCATION OF UNDERGROUND STRUCTURES	
○	CATCH BASIN	○	○	GAS	○	○	NW PROPERTY LINE	○	○	AS SHOWN ARE BASED ON THE BEST	
○	CURB INLET	○	○	TESTHOLE	○	○	S/E PROPERTY LINE	○	○	INFORMATION AVAILABLE. BUT NO	
○	CULVERT	○	○	LAMP STANDARD	○	○	NW GUTTER	○	○	GUARANTEE IS GIVEN THAT ALL EXISTING	
○	PIPE ABANDONMENTS	○	○	TREE	○	○	S/E GUTTER	○	○	UTILITIES ARE SHOWN OR THAT THE GIVEN	
○	SURVEY BAR	○	○		○	○		○	○	LOCATIONS ARE EXACT. CONFIRMATION OF	
○	EXISTING	○	○	LEGEND - PLAN	○	○	LEGEND - PROFILE	○	○	EXISTENCE AND EXACT LOCATION OF ALL	
○	NEW	○	○	LEGEND - PLAN	○	○	LEGEND - PROFILE	○	○	SERVICES MUST BE OBTAINED FROM THE	
○	EXISTING	○	○	LEGEND - PLAN	○	○	LEGEND - PROFILE	○	○	INDIVIDUAL UTILITIES BEFORE PROCEEDING	
○	NEW	○	○	LEGEND - PLAN	○	○	LEGEND - PROFILE	○	○	WITH CONSTRUCTION.	

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPR. 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.

NO.	ISSUED FOR CONSTRUCTION	20/06/15	KLC
0	REVISIONS	YYMMDD	BY

AECOM

DESIGNED BY: ADB
DRAWN BY: KLC
HOR. SCALE: 1:500
VERT. SCALE: 1:100

CHECKED BY: [Signature]
APPROVED BY: [Signature]
RELEASED FOR CONSTRUCTION: [Signature]
DATE: 20/06/15

PROFESSIONAL'S SEAL

PROVINCE OF MANITOBA
A.D. BRAUN
Member 24453
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
60622949-SHT-30-0000-C-1001

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

KILDONAN - REDWOOD FEEDER MAIN CROSSING REHABILITATION
PLAN / PROFILE

SHEET 1 OF 2
CITY DRAWING NUMBER
1-0798E-C0001-001
REV ---

ENGINEERS GEOSCIENTISTS MANITOBA

Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: June 15/20

TENDER NO. 347-2020