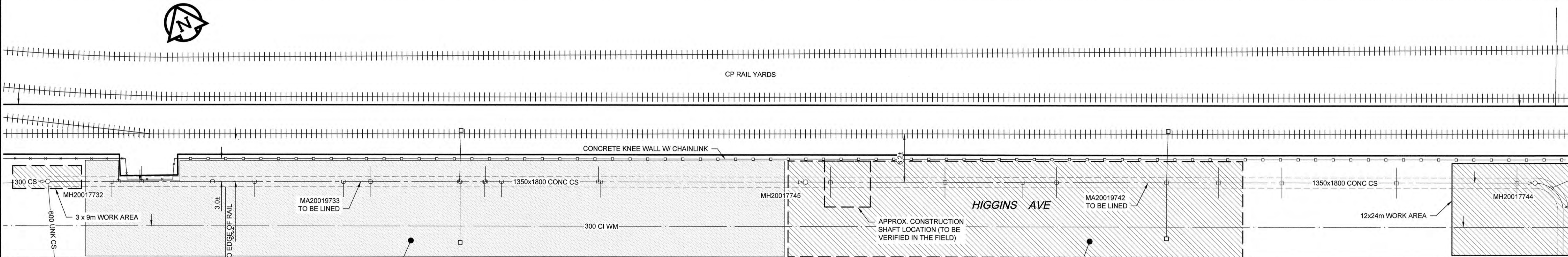
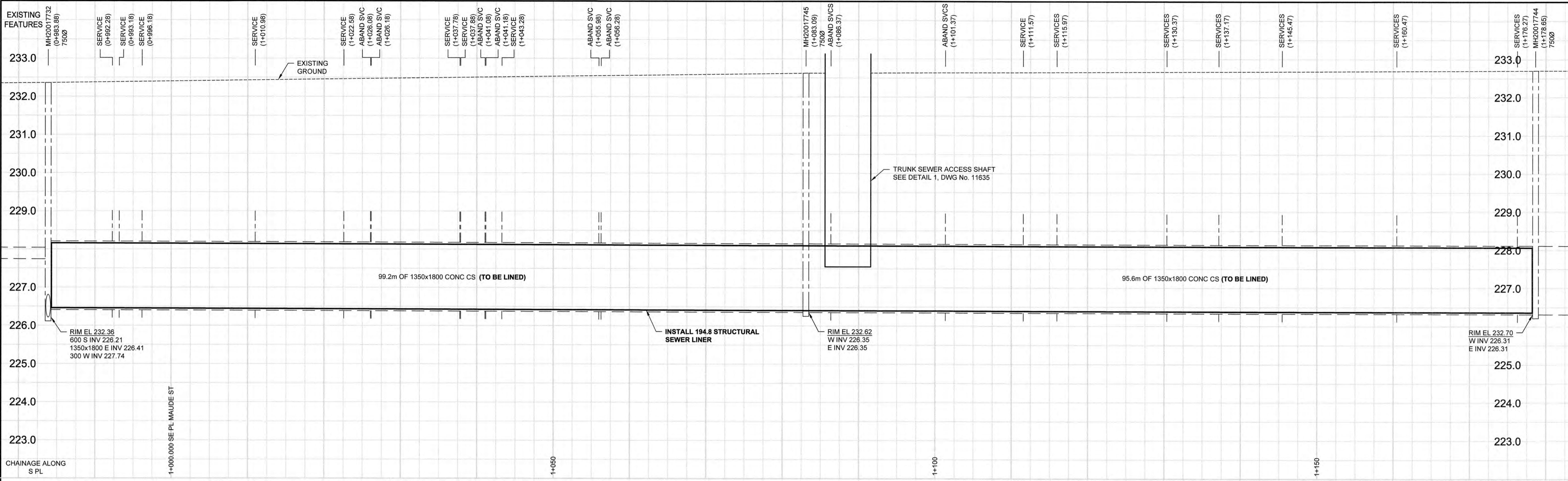


D SIZE 22' x 34' (559mm x 864mm)

PLOT: 8/1/2017 1:40:58 PM

AECOM REVIEW DRFT CHK
AECOM FILE NAME: 60528374-SHT-00-0000-C-1001.dwg Saved By: cooperkl



REHABILITATION NOTES:

- HOST PIPE IS CONSIDERED TO BE FULLY DETERIORATED
- INSTALL ONE OF THE FOLLOWING REHABILITATION SYSTEMS:
 - CIPP
 - SEGMENTAL SLIPLINING WITH GRP COMPOSITES
 - BONDED FRP LINER
- EXTEND TO EDGE OF MANHOLE AT TERMINATIONS, SEE DETAIL 2, DWG. No. 11635
- WHERE AN ACCESS SHAFT IS USED, THE CONTRACTOR SHALL COMPLETE ONE GEOTECHNICAL BORE HOLE PRIOR TO DESIGN TO CONFIRM SOIL DESIGN PARAMETERS

AVAILABLE CONTRACTOR LAYDOWN (EXACT DIMENSIONS TO BE DETERMINED IN THE FIELD)

GENERAL CONSTRUCTION NOTES:

- RESTORE SITE TO EXISTING CONDITIONS UPON COMPLETION OF WORK
- CONTRACTOR MAY ROUTE BYPASS HOSES ALONG NORTH FENCELINE THROUGH EMTERRA WORK AREA. COORDINATE ACCESS WITH EMTERRA
- CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF BYPASS HOSES FROM EMTERRA OPERATIONS
- SEE DWG No. 11632 FOR SITE ACCESS RESTRICTIONS



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES
BID OPPORTUNITY NO. 558-2017

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW
150 WM	WATERMAIN	150 WM	○	CURB STOP	○	150 WM	WATERMAIN	150 WM
○	HYDRANT	○	○	REDUCER	○	+	HYDRANT	+
○	VALVE	○	○	COUPLING	○	+	VALVE	+
300 LDS	LAND DRAINAGE SEWER	300 LDS	○	ANODE	○	300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	○	HYDRO	○	250 WWS	WASTE WATER SEWER	250 WWS
○	MANHOLE	○	○	MTS	○	○	PAVEMENT CROWN	○
□	CATCH BASIN	□	○	GAS	○	○	N/W PROPERTY LINE	○
△	CURB INLET	△	○	TESTHOLE	○	○	S/E PROPERTY LINE	○
○	CULVERT	○	○	LAMP STANDARD	○	○	N/W GUTTER	○
○	PIPE ABANDONMENTS	○	○	TREE	○	○	S/E GUTTER	○
○	SURVEY BAR	○						

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	YYMMDD	BY
0	ISSUED FOR CONSTRUCTION	17/08/02	KLC

AECOM

DESIGNED BY: ADB
CHECKED BY: [Signature]
DRAWN BY: KLC
APPROVED BY: [Signature]
HOR. SCALE: 1:250
VERT. SCALE: 1:50
DATE: [Signature]
DATE: [Signature]

PROFESSIONAL'S SEAL
A.D. BRAUN
Member 24453
REGISTERED PROFESSIONAL ENGINEER
CONSULTANT DRAWING NO. 60528374-SHT-00-0000-C-1001

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2017 TRENCHLESS REHABILITATION OF NON-CIRCULAR COMBINED SEWERS
CONTRACT 1
HIGGINS AVENUE
PLAN / PROFILE

SHEET 2 OF 4
CITY DRAWING NUMBER 11633
REV 0