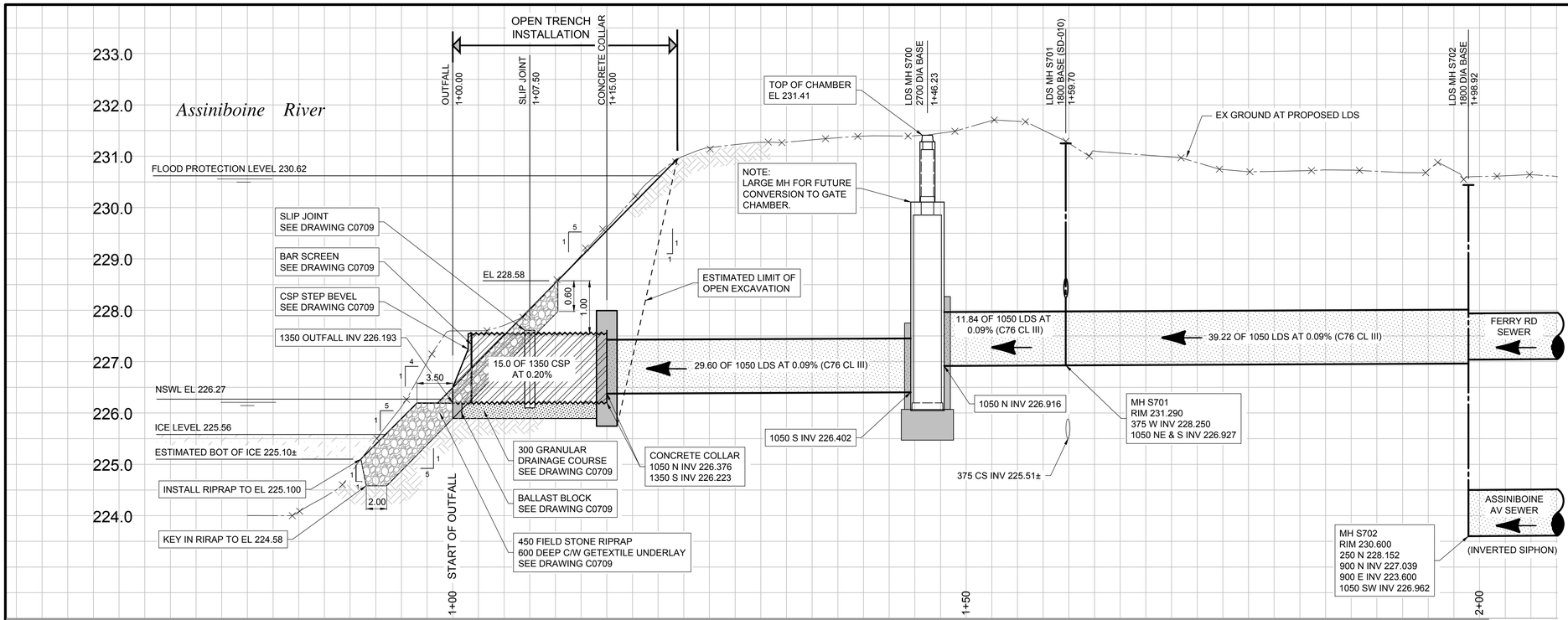
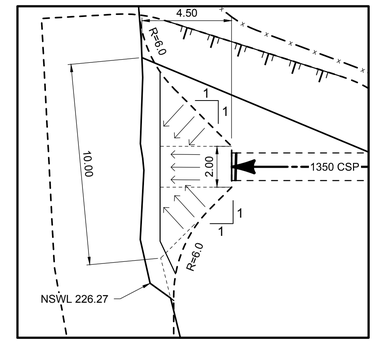


CONSTRUCTION NOTES:

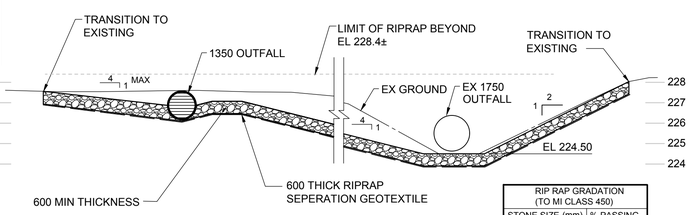
1. LOCATION OF ALL EXISTING SEWER AND WATER LINES TO BE CONFIRMED IN THE FIELD.
2. SEWER AND WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE ONLY.
3. INSTALL NEW SEWER AND CATCHBASIN LEADS BY TRENCHLESS METHODS, UNLESS NOTED OTHERWISE.
4. CERTAIN CATCHBASINS REQUIRE EXTRA RISERS FOR FUTURE STREET RECONSTRUCTION. SEE INDIVIDUAL CATCHBASIN NOTES FOR INFORMATION.
5. REVEGETATE OUTFALL AREA BELOW TOP SLOPE OF EMBANKMENT WITH NATIVE GRASS MIX.
6. REVEGETATE OUTFALL AREA ABOVE TOP SLOPE OF EMBANKMENT WITH PARK BOULEVARD SEED MIX.

GENERAL NOTES:

1. CHAINAGE IS ALONG CENTRELINE OF PROPOSED OUTFALL AND LDS.
2. STATION 1+00 = START OF OUTFALL.
3. SEE SPECIFICATIONS FOR DETAILED TEST HOLE INFORMATION.

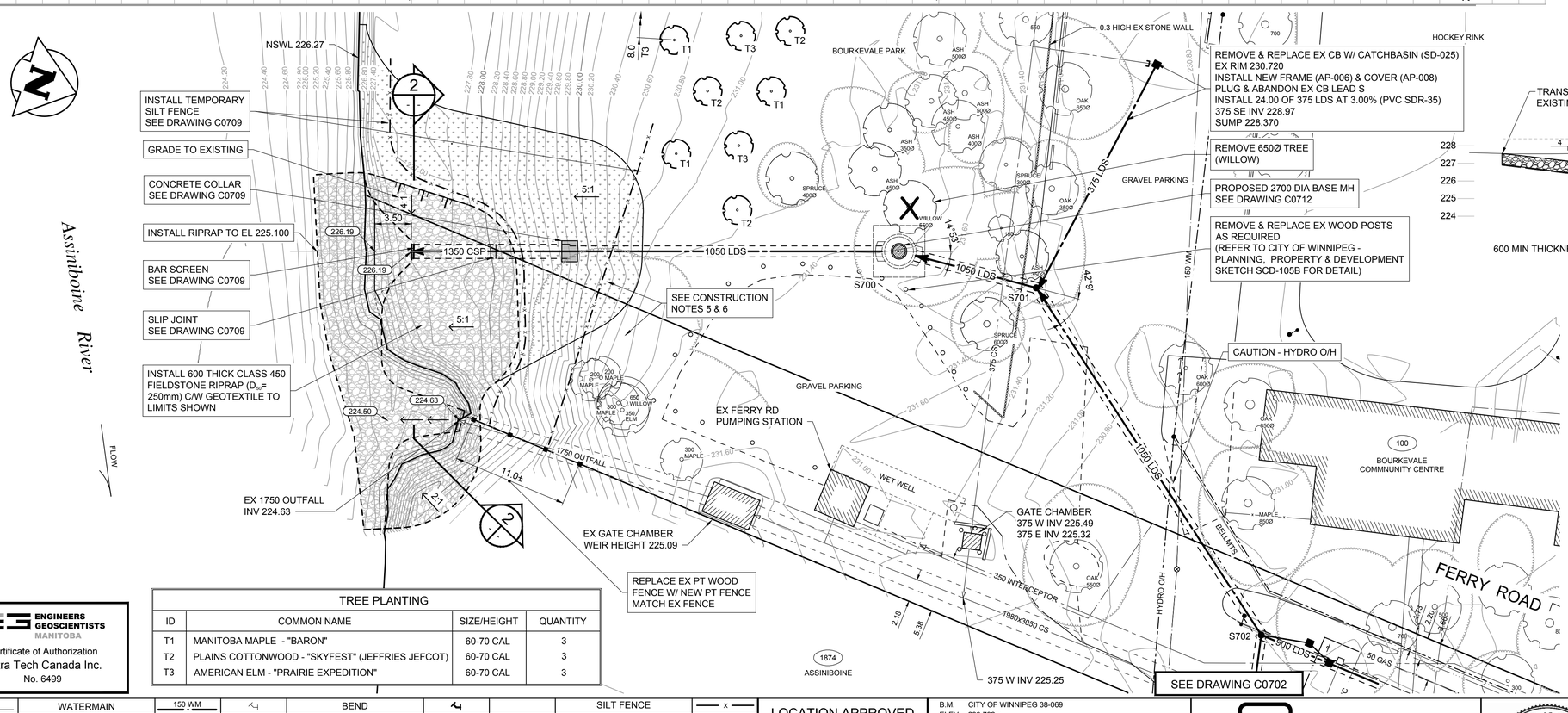


1 - - OUTFALL NOTCH
1 : 150



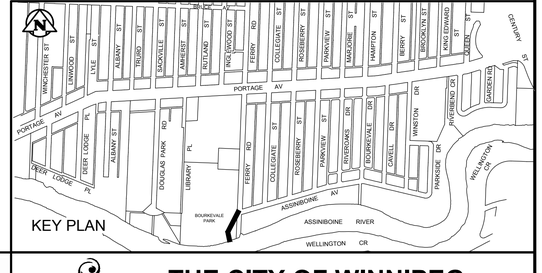
RIP RAP GRADATION (TO MI CLASS 450)	
STONE SIZE (mm)	% PASSING
450	100%
250	15-50%
100	0-15%

2 - - RIP RAP SECTION
1 : 150



TREE PLANTING			
ID	COMMON NAME	SIZE/HEIGHT	QUANTITY
T1	MANITOBA MAPLE - "BARON"	60-70 CAL	3
T2	PLAINS COTTONWOOD - "SKYFEST" (JEFFRIES JEFCOT)	60-70 CAL	3
T3	AMERICAN ELM - "PRAIRIE EXPEDITION"	60-70 CAL	3

BID OPPORTUNITY No. 840-2019



ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Tetra Tech Canada Inc.
No. 6499

150 WM	WATERMAIN	150 WM		BEND			SILT FENCE	x
400 FM	FEEDERMAIN	400 FM		TEE			TREE	
300 LDS	LAND DRAINAGE SEWER	300 LDS		CURB STOP		15.240	LEGAL DIMENSION	
250 WWS	WASTEWATER SEWER	250 WWS		PLUG			SURVEY BAR	
300 CS	COMBINED SEWER	300 CS		MANHOLE			GAS	
200 FCM	FORCEMAIN	200 FCM		CATCHBASIN			HYDRO	
	JUNCTIONS			CURB INLET			MTS	
	HYDRANT			ADDRESS			CURB	
	VALVE			HYDRO POLE				
	REDUCER			LIGHT STANDARD			SHAFT LOCATION	
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. 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.

B.M. CITY OF WINNIPEG 38-069
ELEV. 233.792m

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	19.09.26	TRC

TETRA TECH

DESIGNED BY	ML	CHECKED BY	KJM, TRC
DRAWN BY	GMD	APPROVED BY	GS
HOR. SCALE:	1 250	RELEASED FOR CONSTRUCTION	
VERTICAL:	1 : 50		
DATE	2019-09-26	DATE	

PROVINCE OF MANITOBA — T.R. CHRISTIANSEN Member 34138 — REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
1000120300-DWG-C0198

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

FERRY ROAD AND RIVERBEND
COMBINED SEWER RELIEF WORKS
CONTRACT 7A

BOURKEVALE PARK OUTFALL

ASSINIBOINE RIVER TO
FERRY ROAD

CITY DRAWING NUMBER
LD-9531

SHEET 1 OF 12

C0701

X:\A-C\CITY OF WINNIPEG - WATER & WASTE DEPARTMENT - 001210001203.00 - FERRY ROAD\CONTRACT 7\CAD\PRODUCTION DRAWINGS\TA\C0701 1000120300-DWG-C0198 BOURKEVALE PARK OUTFALL.DWG 2019-09-26 9:09 AM