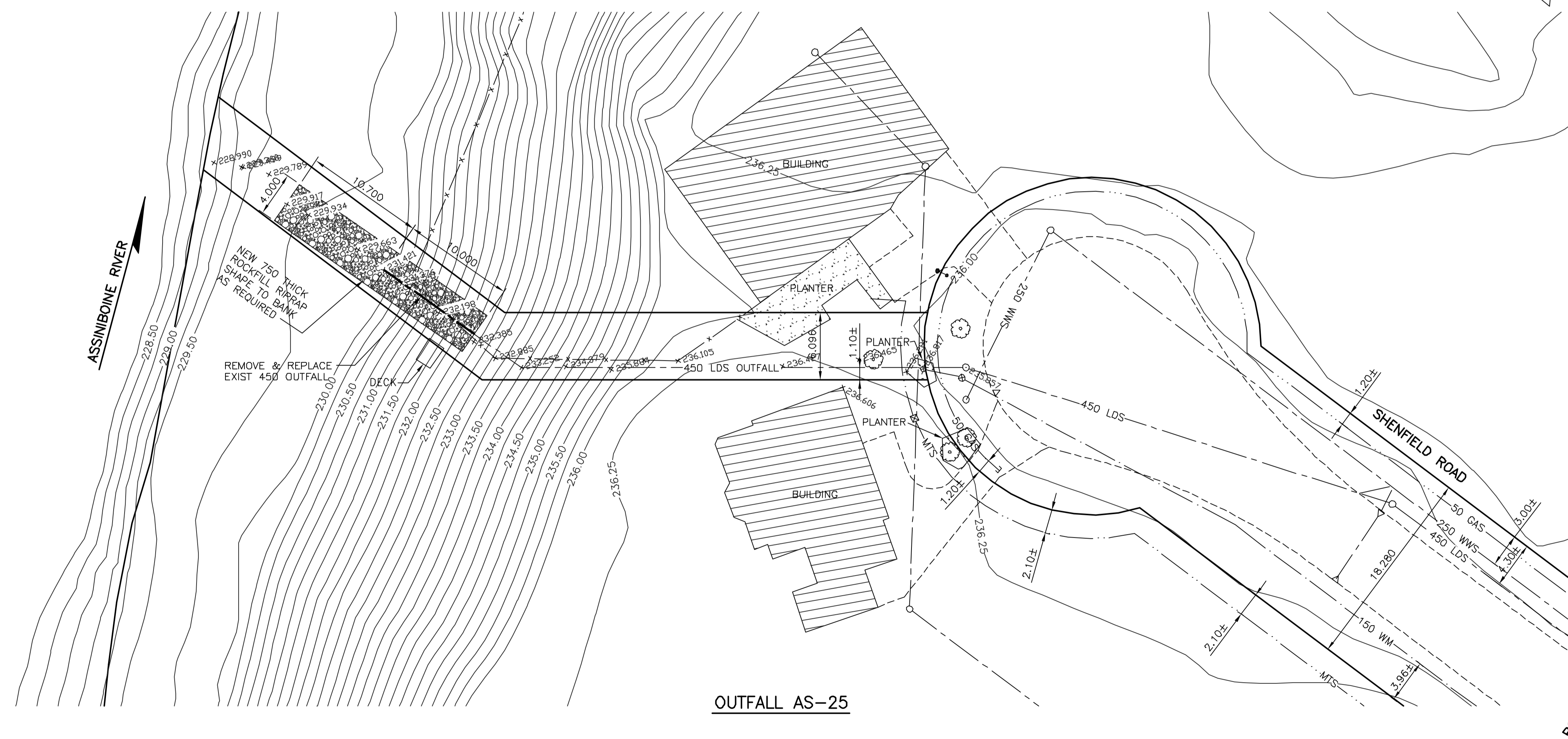
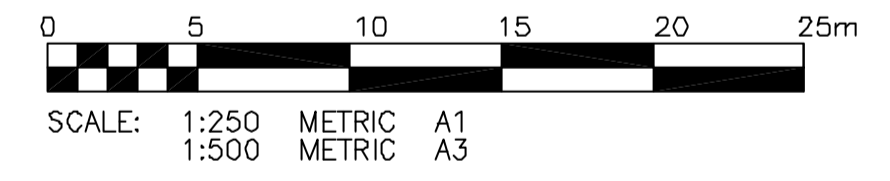


- NOTES:**
1. INSTALL ONE 12mm DIAMETER STAINLESS STEEL TIE ROD AT END OF NEW CSP CULVERT AND FASTEN WITH STAINLESS STEEL NUTS ON OUTSIDE OF PIPE.
 2. ELEVATIONS FOLLOWED BY (AB) ARE ELEVATIONS ESTABLISHED FROM THE CITY OF WINNIPEG RECORD DRAWINGS. THESE ELEVATIONS SHOULD BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION. ALL OTHER ELEVATIONS HAVE BEEN CONFIRMED BY KGS.
 3. RIPRAP ABOVE THE WINTER ICE ELEVATION SHALL BE SUB-CUT INTO THE BANK AND PLACED FLUSH WITH ORIGINAL GROUND SURFACE. ALL EXCAVATED MATERIAL SHALL BE REMOVED OFF SITE.



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 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES



EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	HYDRO	---		
Hydrant symbol	HYDRANT	Hydrant symbol	M.T.S.	M.T.S.	M.T.S.	---		
Valve symbol	VALVE	Valve symbol	PROPERTY LINE	PROPERTY LINE	PROPERTY LINE	---		
300 LDS	LAND DRAINAGE SEWER	300 LDS	SURVEY BAR	SURVEY BAR	SURVEY BAR	---		
250 WWS	WASTE WATER SEWER	250 WWS	LIGHT STANDARD	LIGHT STANDARD	LIGHT STANDARD	---		
Manhole symbol	MANHOLE	Manhole symbol	HYDRO POLE	HYDRO POLE	HYDRO POLE	---		
Catch basin symbol	CATCH BASIN	Catch basin symbol	GUY WIRE	GUY WIRE	GUY WIRE	---		
Curb inlet symbol	CURB INLET	Curb inlet symbol	SIGN	SIGN	SIGN	---		
Junctions symbol	JUNCTIONS	Junctions symbol	BUSH LINE	BUSH LINE	BUSH LINE	---		
Culvert symbol	CULVERT	Culvert symbol	FENCE	FENCE	FENCE	---		
Gas symbol	GAS	Gas symbol	ELEVATION	ELEVATION	ELEVATION	---		
Existing symbol	LEGEND-PLAN	Proposed symbol	231.334	ELEVATION	231.334	---		

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.

NO.	REVISIONS	DATE	BY
1	ADDENDUM 1	15/01/04	DGC
0	ISSUED FOR TENDER	06/01/04	DGC
A	ISSUED FOR REVIEW	22/12/03	DGC

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
 WINNIPEG (204) 896-1209
 THUNDER BAY (807) 345-2233

DESIGNED BY: D.G.G. CHECKED BY: R.J.H.
 DRAWN BY: D.W. \A.M. APPROVED BY:
 HOR. SCALE: 1:250
 VERTICAL: 1:50
 DATE: DECEMBER 2003

ENGINEER'S SEAL

 CONSULTANT DRAWING NO. 03-0107-05_05

THE CITY OF WINNIPEG
 WATER & WASTE DEPARTMENT

OUTFALL REPAIRS
SHENFIELD ROAD
OUTFALL (AS-25)

SHEET 05 OF 07
 CAD FILE DRAWING NUMBER 03-0107-05-SHENFIELD_rev1
 CITY DRAWING NUMBER LD-2987

COWLEGGEND