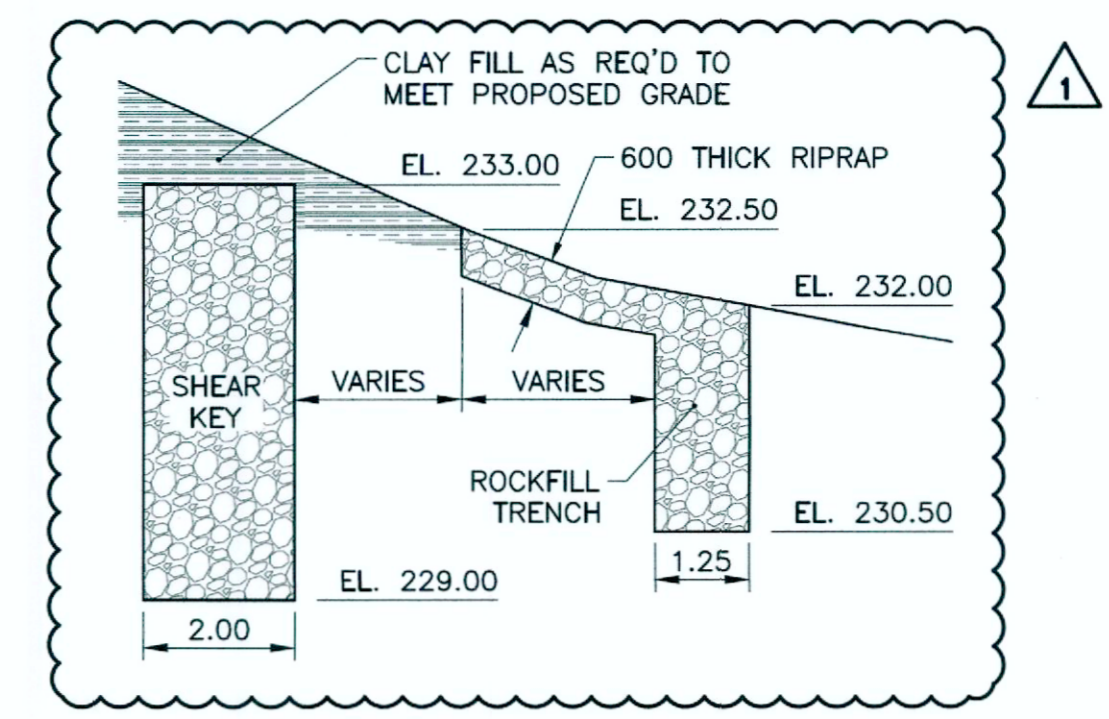
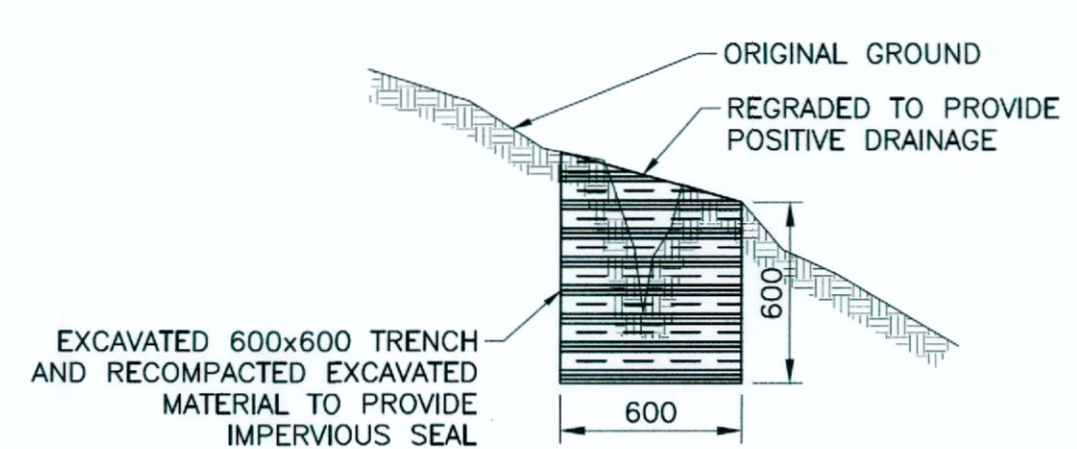


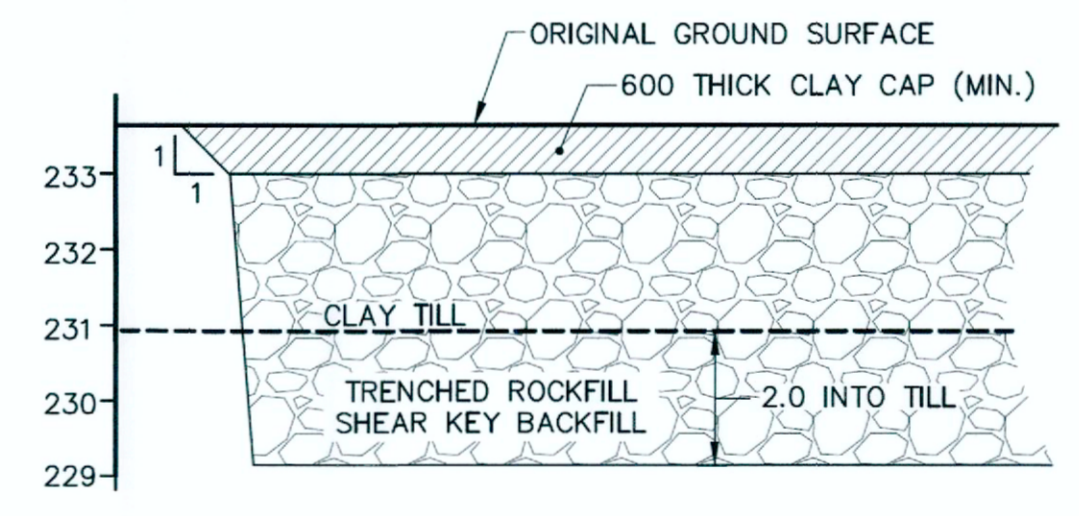
PLAN
SCALE 1:250



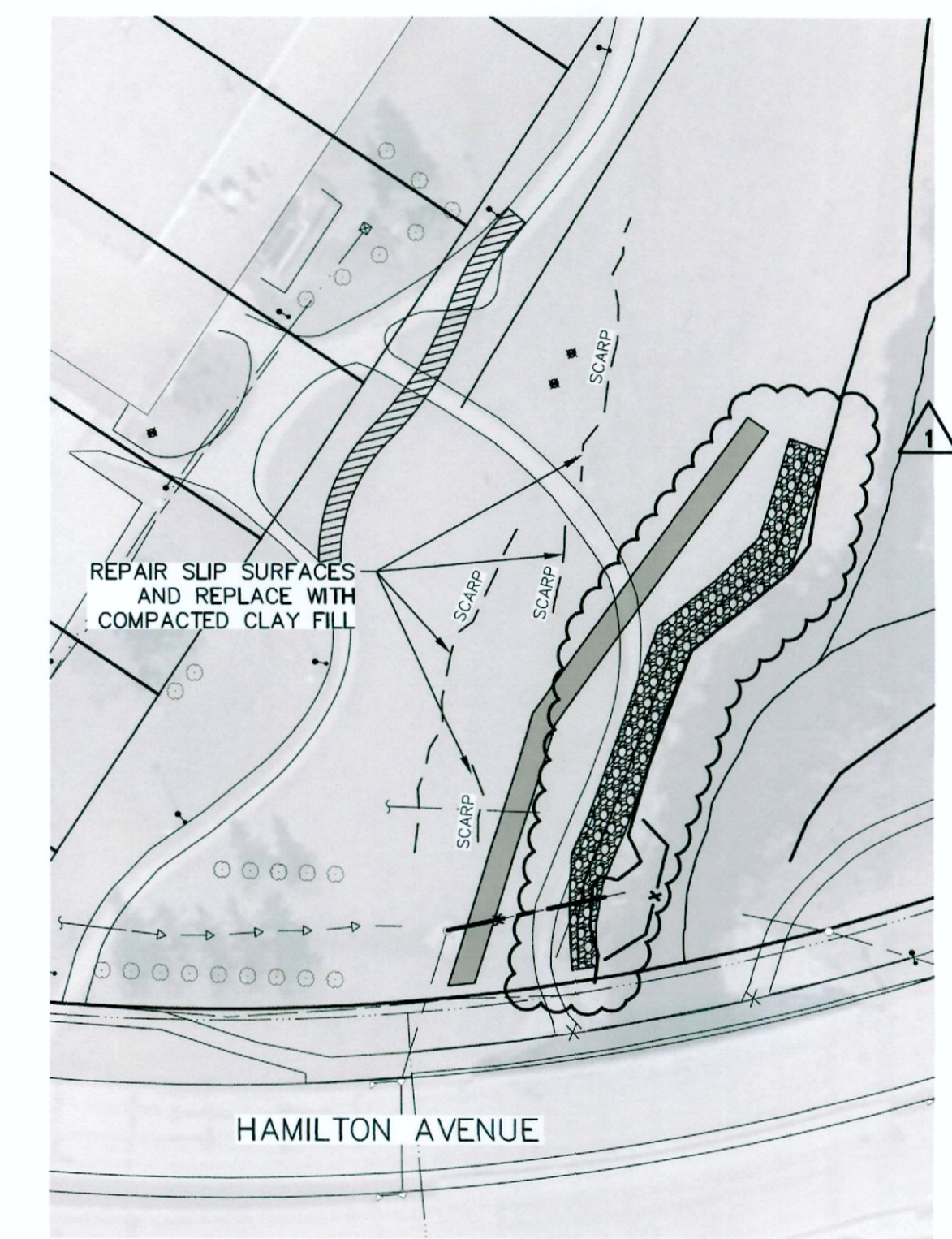
RIPRAP AND ROCKFILL TRENCH DETAIL
SCALE: N.T.S.



SLIP SURFACE REPAIR DETAIL
SCALE: N.T.S.



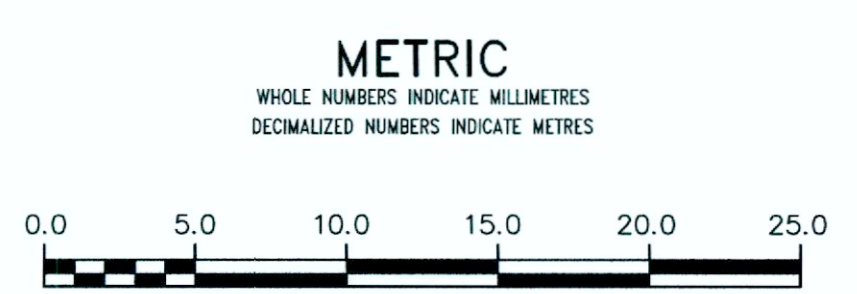
TRENCHED ROCKFILL SHEAR KEY
SCALE: N.T.S.



SLIP SURFACE REPAIR PLAN
SCALE: N.T.S.

- NOTES:**
- ALL EXCAVATED MATERIAL WITHIN 76.0 OF THE RSRL MUST BE REMOVED FROM SITE (NO STOCKPILING).
 - CONSTRUCT CLAY COFFERDAM AT CREEK AS REQUIRED (SEE DWG LD-9558).
 - CONTRACTOR TO PROVIDE AND INSTALL PROPER WARNING SIGNS ALONG PEDESTRIAN PATHWAY CONCERNING WORK SITE.

FOR INDEX PAGE
SEE DWG LD-9554



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

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 UTILITIES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M.	ELEV.	NO.	REVISIONS	DATE	BY
		1	ISSUED FOR TENDER	2019 12 06	AKC
		0	ISSUED FOR TENDER	2019 11 26	RBO

KGS GROUP
CONSULTING ENGINEERS

DESIGNED BY	AKC	CHECKED BY	DEA
DRAWN BY	GEL	APPROVED BY	
SCALE:	HORIZONTAL 1:250 VERTICAL 1:50	RELEASED FOR CONSTRUCTION	
DATE	2019 12 06	DATE	

PLOT DATE: 2019 12 06

ES ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
KGS Group
No. 245

ENGINEER'S SEAL
D.E.S. ANDERSON
Member 22316
CONSULTANT DRAWING NUMBER
LD-9556

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION
HAMILTON AVENUE BRIDGE OUTFALLS
RENEWAL AND REHABILITATION
HAMILTON AVENUE BRIDGE OUTFALLS
GEOTECHNICAL WORKS
SHEET 4 OF 6
CITY DRAWING NUMBER
LD-9556