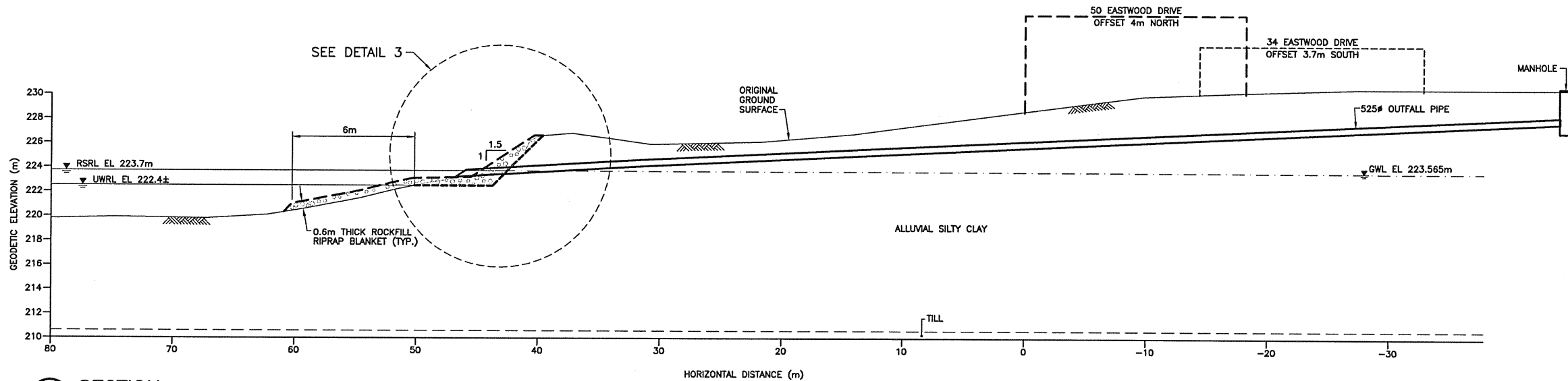


LEGEND

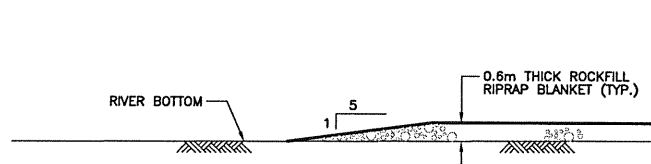
- UWRL UNREGULATED WINTER RIVER LEVEL
- RSRL REGULATED SUMMER RIVER LEVEL
- GWL GROUNDWATER LEVEL

NOTES:

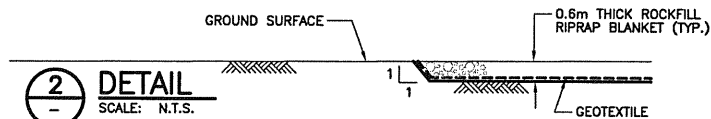
1. REGULATED SUMMER WINTER RIVER LEVEL (RSRL) REFERS TO REGULATION OF THE RED RIVER LEVEL TO APPROXIMATE EL. 223.7 m. AT THE CITY OF WINNIPEG JAMES AVENUE PUMPING STATION BY OPERATION OF THE ST. ANDREWS LOCK AND DAM.
2. UNREGULATED WINTER RIVER LEVEL (UWRL) REFERS TO THE NATURAL UNREGULATED LEVEL OF THE RED RIVER WHEN THE ST. ANDREWS LOCK AND DAM IS NOT OPERATING ACTUAL LEVELS AT THE SITE MAY VARY FROM THOSE SHOWN ON THE DRAWING.
3. RIPRAP ABOVE EL. 222.4m SHALL BE SUB-CUT INTO BANK AND PLACED FLUSH WITH ORIGINAL GROUND SURFACE. ALL EXCAVATED SOIL SHALL BE REMOVED OFF SITE. DEBRIS, DRIFTWOOD, TREES AND OTHER MATERIAL SHALL BE REMOVED OFF SITE.
4. INTERPRETATION OF THE STRATIGRAPHY BASED ON KGS GROUP TEST HOLE DRILLING, OCTOBER, 2004.



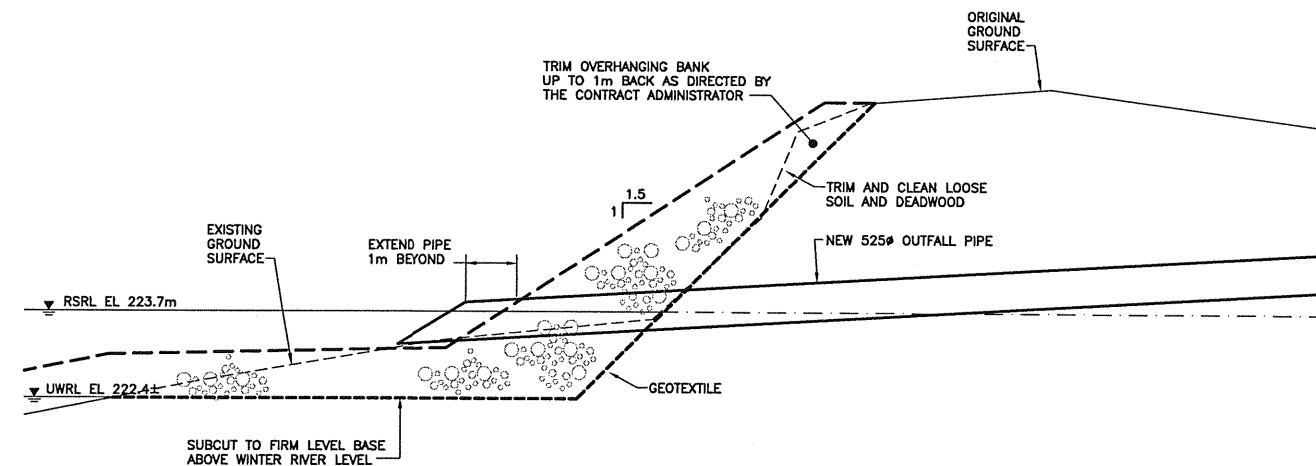
A SECTION
SCALE: 1:400 A3



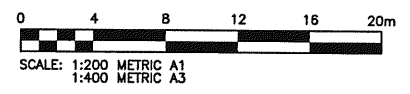
1 DETAIL
SCALE: N.T.S.
RIPRAP TRANSITION BELOW WATER



2 DETAIL
SCALE: N.T.S.
RIPRAP TRANSITION SUB CUT ABOVE RSRL



3 DETAIL
SCALE: 1:100 A3



150_WW	WATERMAIN	150_WW	HYDRO	UWRL	UNREGULATED WINTER RIVER LEVEL
300_LBS	HYDRANT VALVE	300_LBS	M.T.S.	RSRL	REGULATED SUMMER RIVER LEVEL
250_WWS	LAND DRAINAGE SEWER	250_WWS	PROPERTY LINE		ASSUMED STRATIGRAPHIC CONTACT
	WASTE WATER SEWER		SURVEY BAR		MEASURED GROUNDWATER LEVEL
	MANHOLE		LIGHT STANDARD		
	CATCH BASIN		HYDRO POLE		
	CURB INLET		GUY WIRE		
	JUNCTIONS		SIGN		
	CULVERT		BUSH LINE		
	GAS		FENCE		
		231.334	ELEVATION		
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPPLY U/O 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. XX-XXX	ELEV. XXX.XXX
NO.	REVISIONS
DATE	BY

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG (204) 898-1209
THUNDER BAY (807) 345-2233

DESIGNED BY RD
CHECKED BY RKe
DRAWN BY EC/ESM
APPROVED BY RKe

HOR. SCALE: 1:200
VERTICAL: 1:200

DATE 16/01/06



THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

EASTWOOD OUTFALL
SHORELINE PROTECTION PLAN
SECTION A

SHEET 03 OF 06
CAD FILE DRAWING NUMBER 05-0107-11.03.2000.31-633
CITY DRAWING NUMBER LD-3269

CONSULTANT DRAWING NO. 05-0107-11.03.2000.31-633

P:\Projects\2005\05-0107-11\Gea\dwgs\Eastwood(2000.31)\Tender(G31-40)\Revision A\05-0107-11-03.2000.31-633 rev A.dwg