

## **APPENDIX B – LOCATION MAPS AND SITE-SPECIFIC SUPPORTING DOCUMENTATION**



033-01



033-01



033-01



**033-02**



**033-04**

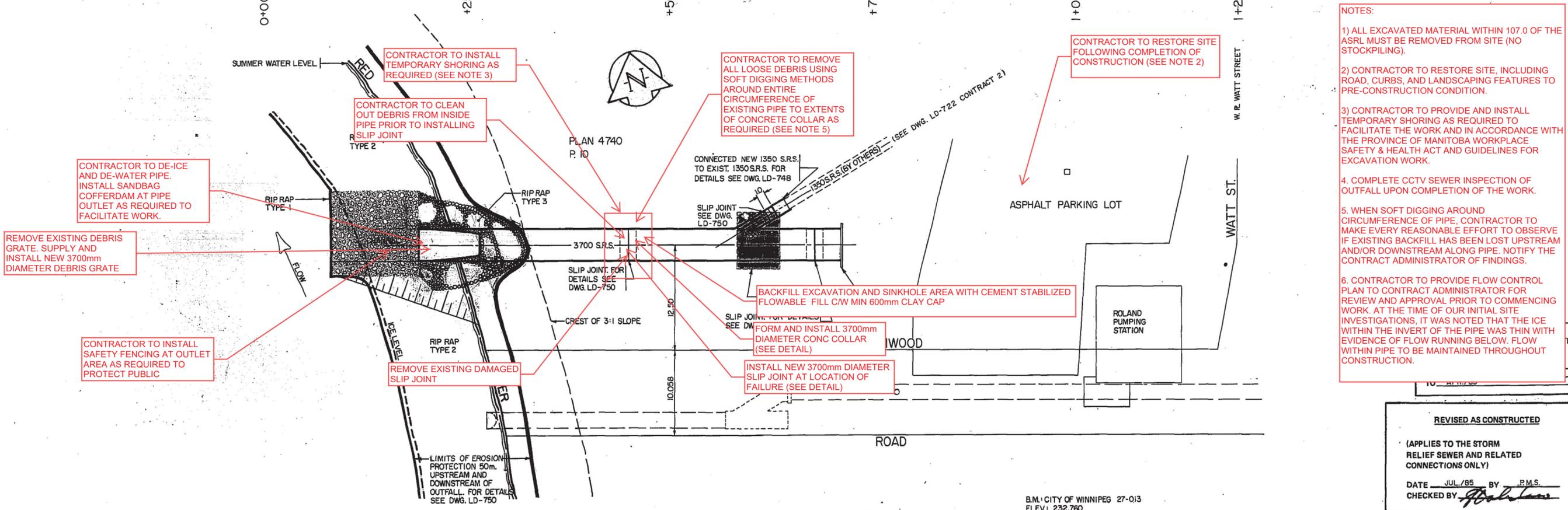
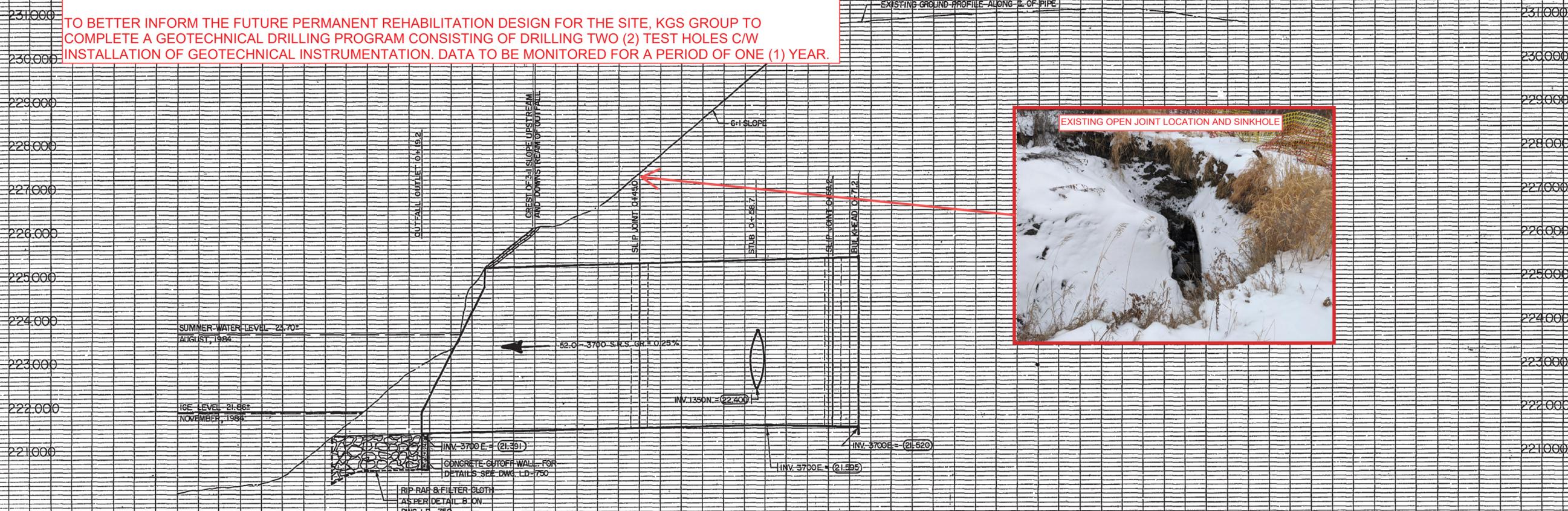


**033-06**



THE REPAIRS BEING PROPOSED ARE TEMPORARY ONLY SO AS TO ADDRESS THE EMERGENCY CONDITIONS ON SITE TO PROTECT THE PUBLIC AND REMOVE THE OBSTRUCTION FROM THE OUTFALL. THESE REPAIRS ARE NOT A PERMANENT REHABILITATION DESIGN FOR THE SITE.

TO BETTER INFORM THE FUTURE PERMANENT REHABILITATION DESIGN FOR THE SITE, KGS GROUP TO COMPLETE A GEOTECHNICAL DRILLING PROGRAM CONSISTING OF DRILLING TWO (2) TEST HOLES C/W INSTALLATION OF GEOTECHNICAL INSTRUMENTATION. DATA TO BE MONITORED FOR A PERIOD OF ONE (1) YEAR.



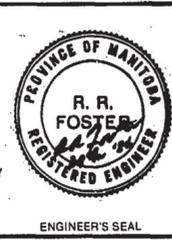
- NOTES:
- 1) ALL EXCAVATED MATERIAL WITHIN 107.0 OF THE ASRL MUST BE REMOVED FROM SITE (NO STOCKPILING).
  - 2) CONTRACTOR TO RESTORE SITE, INCLUDING ROAD, CURBS, AND LANDSCAPING FEATURES TO PRE-CONSTRUCTION CONDITION.
  - 3) CONTRACTOR TO PROVIDE AND INSTALL TEMPORARY SHORING AS REQUIRED TO FACILITATE THE WORK AND IN ACCORDANCE WITH THE PROVINCE OF MANITOBA WORKPLACE SAFETY & HEALTH ACT AND GUIDELINES FOR EXCAVATION WORK.
  4. COMPLETE CCTV SEWER INSPECTION OF OUTFALL UPON COMPLETION OF THE WORK.
  5. WHEN SOFT DIGGING AROUND CIRCUMFERENCE OF PIPE, CONTRACTOR TO MAKE EVERY REASONABLE EFFORT TO OBSERVE IF EXISTING BACKFILL HAS BEEN LOST UPSTREAM AND/OR DOWNSTREAM ALONG PIPE. NOTIFY THE CONTRACT ADMINISTRATOR OF FINDINGS.
  6. CONTRACTOR TO PROVIDE FLOW CONTROL PLAN TO CONTRACT ADMINISTRATOR FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK. AT THE TIME OF OUR INITIAL SITE INVESTIGATIONS, IT WAS NOTED THAT THE ICE WITHIN THE INVERT OF THE PIPE WAS THIN WITH EVIDENCE OF FLOW RUNNING BELOW. FLOW WITHIN PIPE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.

REVISED AS CONSTRUCTED  
 (APPLIES TO THE STORM RELIEF SEWER AND RELATED CONNECTIONS ONLY)  
 DATE JUL/85 BY P.M.S.  
 CHECKED BY *[Signature]*

150 mm W.M.	WATERMAIN	150 mm W.M.	STREET LIGHTING	150 mm W.M.	WATERMAIN
300 mm L.D.S.	HYDRANT	300 mm L.D.S.	M.T.S.	300 mm L.D.S.	HYDRANT
250 mm W.W.S.	VALVE	250 mm W.W.S.	CONCRETE	250 mm W.W.S.	VALVE
	LAND DRAINAGE SEWER		ASPHALT		LAND DRAINAGE SEWER
	WASTE WATER SEWER		PROPERTY LINE		WASTE WATER SEWER
	MANHOLE		SURVEY BAR		C & PROFILE
	CATCH BASIN		STORM RELIEF SEWER		STORM RELIEF SEWER
	CURB INLET		(SRS)(REFERENCE ONLY)		FLOW ARROW
	JUNCTIONS		TRAFFIC SENSOR		
	CULVERT		TRAFFIC SIGNAL		
	GAS				
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES  
 SURV. LOG 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.

2	REVISED AS CONSTRUCTED	85-07-29	
1	REVISED TO CIRCULAR S.R.S.		
	AS PER ADDENDUM NO. 1	84-12-14	
0	ISSUED FOR TENDER	84-12-07	
0	ISSUED FOR APPROVAL	84-11-28	
NO	REVISIONS	DATE	APP.

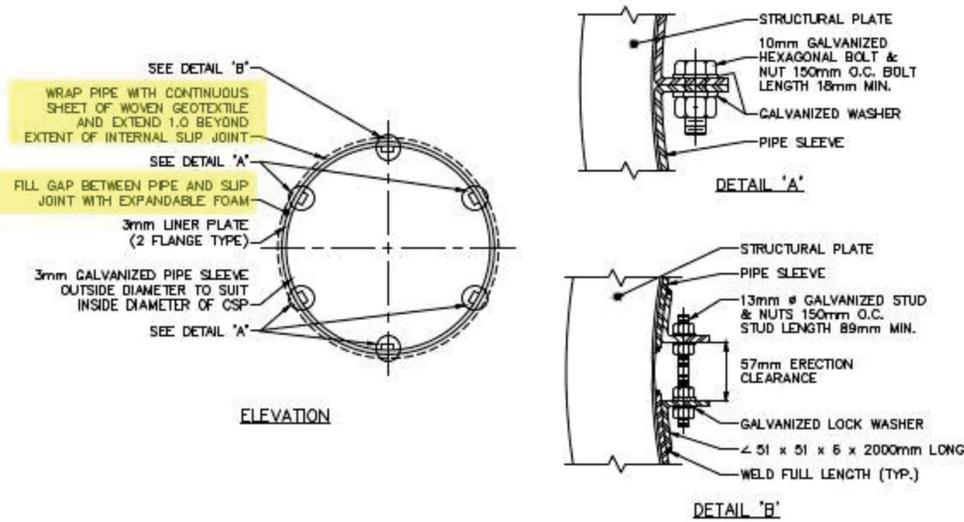


W. L. WARDROP & ASSOCIATES LTD.  
 ENGINEERING CONSULTANTS  
 DESIGNED BY: G.P.H. & W.R.D. DRAWN BY: G.G.P.  
 CHECKED BY: W.R.D. & R.R.F. DATE: 84-11-23  
 APPROVED BY: *[Signature]* DATE: 23 Nov '84



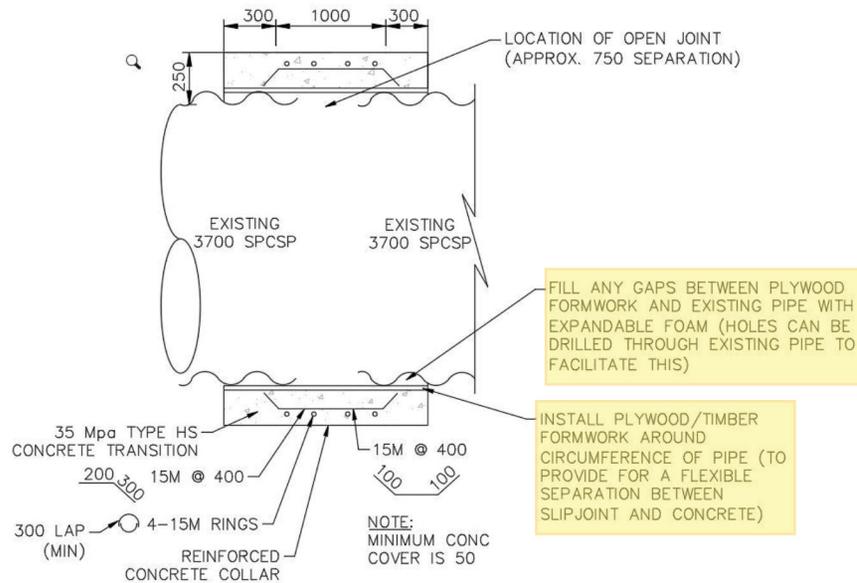
MUNROE, ROLAND & HART  
 SEWER RELIEF PROJECT - CONTRACT 5A  
**3700mm. OUTFALL**  
 RED RIVER TO WATT STREET  
 STATION 0+00 TO STATION 1+20  
 RELEASED FOR CONSTRUCTION DATE: 29 12 07  
 SCALE: HORIZ: 1:250 VERT: 1:50  
 DRAWING NO: LD-749

B.M.: CITY OF WINNIPEG 27-013  
 ELEV.: 232.760



Slip joint to be 3.0m long (Ref. Contractor's Shop Drawing)

**INTERNAL SLIP JOINT DETAIL (N.T.S.)**



**CONCRETE COLLAR DETAIL (N.T.S.)**



**130-01**



**130-01**



**130-01**



**130-03**



**130-05**



**130-07**



# ASSINIBOINE PARK OUTFALL

