



August 2, 2019

Reference No. 11181229

To Interested Parties:

**Re: Addendum No. 1
Request for Tenders for Roper Reservoir Inlet Modifications & Everall PRV Chamber
Installation – Contract WR19-009
City of White Rock**

By this Addendum No. 1, the above noted Request for Tenders shall be amended as follows. The Proponent shall acknowledge receipt of this Addendum by completion of *Appendix B, Section 4*, in the Request for Tenders Form, dated Thursday July 25th 2019.

1. As per page 6 of the above noted Request for Tenders Form, Section 1.3, *Type of Contract for Work*, the last sentence shall be changed to read as follows: "An example of the contract can be found in Appendix F".
2. On page 8 of the above noted Request for Tenders Form, Section 1.5.1.9 shall be removed.
3. As per Drawing Package *City of White Rock, Everall PRV Station, Contract No. WR19-009, Issued For Tender*, GHD Ltd., June 2019, Title Page, "E-00 Electrical Notes" has been omitted from the Drawing Index. This will be amended by GHD in the Issue For Construction submission.
4. The following additional information is provided for the Proponents, as attached to this Addendum No. 1:
 - Attachment A: *Mandatory Contractor Pre-Tender Site Meeting Minutes*, GHD Ltd., July 31, 2019.
 - Attachment B: *Mandatory Pre-Submission Meeting Attendee List*, City of White Rock, July 31, 2019.
 - Attachment C: *White Rock Water Upgrades, Roper Reservoir, Structural Condition Assessment, Appendix A – Condition Assessment Photos*, Stantec Consulting Ltd, November 2010.
 - Attachment D: *White Rock Utilities Limited, Roper Avenue Reservoir, Site Topography, Slab Reinf., & Piping Details*, Dayton & Knight Ltd. Consulting Engineers, November 1, 1971.
5. The following shall be understood to constitute a part of the works summarized in section 1.1 of the above noted Request for Tenders, and detailed Appendic C of said Request for Tenders
 - a. Roper Reservoir: Contractor shall provide access and facilitate confined space entry for the Owner's Engineer to complete a structural assessment of the reservoir interior during the project works. The Owner's Engineer shall complete the entry under the Contractor's health and safety plan. The Owner's Engineer shall be responsible to show evidence of appropriate confined space entry training, and will participate in any site orientations as required by the Contractor.
 - b. Everall PRV Chamber: The Contractor shall obtain all necessary permits from the City of Surrey, in addition to the City of White Rock, to complete the necessary works on North Bluff Road/16th Avenue. The centerline of North Bluff Road/16th Avenue is the boundary between Municipalities.
 - c. Contractor shall complete a final survey of the works at both the Everall PRV Chamber and the Roper Reservoir. All survey data, including source files shall be provided to the City and the Owner's Engineer as part of the close-out documentation.



6. With respect to the pricing of alternate products and/or methodologies, bidders should quote all products as specified in the Tender documents such bidders can be evaluated on a consistent scope of work. Alternates can be provided as separate line items, clearly indicating the cost or schedule savings or improved performance, and will be considered by the engineer at award. If there are products from the tender document that the Contractor cannot source and so cannot provide a base price, the Contractor should submit a question specific to that product. Refer to page 10, Section 1.5.10 in the above noted Request for Tenders.
7. As per page 45, *Appendix B, Schedule D: Pricing for Work*, PROJECT SITE 2: EVERALL PRV CHAMBER INSTALLATION, Division 32 – ROADS AND SITE IMPORVEMENTS shall be amended as follows:

PROJECT SITE 2: EVERALL PRV CHAMBER INSTALLATION						
ITEM NO.	MMCD SECTION	SPECIFICATION TITLE	UNIT	EST. QTY	UNIT PRICE	AMOUNT
DIVISION 32 - ROADS AND SITE IMPROVEMENTS						
	32 01 16.7	Cold Milling				
26	1.5	Surface Milling Average 40mm thick, dispose offsite	Square Meter	135		
	32 12 13.1	Asphalt Tack Coat				
27	1.5	Asphalt Tack Coat Emulsified Asphalt	Square Meter	135		
	32 12 16	Hot-Mix Asphalt Concrete Paving				
28	1.5	Asphalt Pavement Upper Coarse #1	Tonne	35		

Except as modified by this Addendum, the bidding documents previously issued shall remain unchanged.

Sincerely,

p.p. Christian Baechler
GHD Ltd.

Attachment A

Contractor Site Visit Meeting Minutes



Minutes

31st July 2019

Subject/Client: **Mandatory Contractor Pre-Tender Site Meeting** Ref. No. 11181229

City of White Rock:

Roper Reservoir Inlet Modifications & Everall PRV
Chamber Installation

Contract WR19-009

From:	Michael Jervis	Tel:	778 686 6083
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Venue/Date/Time: 877 Keil Street White Rock, BC

Wednesday July 31st 2019 10:00 AM

Attendees:	Birk Madsen – CoWR (BM)	604-541-2192
	Christian Baechler – GHD (CB)	604-214-0510
	Michael Jervis – GHD (MJ)	778-686-6083
	Bill Kelly – Kenaidan Contracting (BK)	604-787-4455
	Justin Martin – Tybo Contracting (JM)	604-248-3656
	Simon Pither – CoWR, Lead Water Operator (SP) (met at Roper Reservoir)	

Item Description	Action
Contractor Sign In - CoWR, GHD and Contractors met at Keil St office for introduction and Contractor sign in. - Contractors in attendance: - Kenaidan Contracting - Tybo Contracting Roper Reservoir Site - Undertake tailgate safety discussions for site, whilst waiting for Simon (CoWR) to unlock site gate. - Discuss reasons for high fence around Roper Reservoir Site: separation of land from Parks Department, trouble with people loitering on the site. - Note the elementary school across the road, school start and close times will be busy on the roadway. Safety concerns and parking may be difficult. - CB gave a background summary of the purpose of this project. - Question from BK – how long can the reservoir be shut down for works? Response BM – the City intends to bypass the reservoir straight to the low zone during works, so downtime is not critical to water supply. - Question from BK – wanted to confirm locations of new and existing check valves in the valve station.	



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- BM – regular maintenance on the reservoir occurs about every 5 years.
- Discussion on confined space entry to the reservoir, and safety requirements for undertaking work within the reservoir.
- CB – GHD will send out previous Structural Assessment Report by Stantec.
- Contractor to coordinate with GHD a suitable time for GHD's structural assessment when the reservoir is offline during construction works.
- BM – There is fiber optic on the site. The valve station has an independent power supply for level sensors during power outages. Power for contractor's work is available from PRV building.
- Simon (CoWR), or other CoWR staff, need access to site to take water samples once per week. Contractors need to allow access during construction. No water sampling will be undertaken when the reservoir is drained.
- When staff from CoWR are on site to take water samples, they must adhere to all site safety procedures, and sign-in to the site safety tailgate.
- Comment from Simon (CoWR) – Contractor needs to consider how valve station door will remain locked during construction works.
- Discussion on access to Roper Reservoir roof – can panels of the roof fencing be removed? SP – Yes they can, but there is an access gate which should be utilized unless absolutely necessary to remove a fence panel. The purpose of the fence is for fall protection – not ideal to remove this.
- Ladder or scaffolding can be used to access reservoir roof.
- Simon (CoWR) – typical access into the reservoir is via the roof through the hatch, using a harness and tripod. There is an anchor point for harness. Details of this hatch in the Stantec Structural Assessment Report.
- Contractor will need an emergency response plan which should address confined space entry among other things

GHD

Everall PRV Installation Site

- BM – the 16th Avenue Watermain is located on the Surrey side of the road. Contractors will have to obtain all applicable permits and approvals from the City of Surrey for connecting into this main, including traffic management plan, excluding drinking water permit.
- Road closures for these works needs to be coordinated with the City of Surrey.
- BK – question of the depths of existing mains. BM answer – the city does not know, usually ~ 1 meter. But could be shallower.
- Power connection to electrical kiosk needs to be coordinated with BC Hydro. Typically BC Hydro supplies power to the connection, and might request to allow for extra



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connections in the future. Closest power is via overhead power lines on the Eastern side of Everall Street.

- BC Hydro is not currently be aware of the project. GHD to get in touch with BC Hydro to inform them of this project, and discuss electrical supply options. Coordination with BC Hydro, including application for new service is in the scope of the Contractor.
- Discussion about required pavement restoration for this project: trench across North Bluff Road, and ½ roadway resurfacing along Everall Street.
- Pipe laying unit price is to include asphalt restoration in unit price, as per MMCD. Returning to mill and pave for ½ road width will include all trench patch work.
- Trench across North Bluff Road must be fully restored in one day, it is not acceptable to leave a gravel trench.
- GHD will update pavement restoration quantities to include trench across North Bluff Road.
- Contractors need to maintain pedestrian access to all properties during works.

GHD

GHD

Other

- Contractors to submit all questions via email to Birk, and additional information will be issued as an addendum.
 - BMadsen@whiterockcity.ca
- CoWR wishes to provide as much information as possible to Contractors, to ensure accurate bids and minimal change orders during the works.

☐ Attachments: _____

This confirms and records GHD's interpretation of the discussions which occurred and our understanding reached during this meeting. Unless notified in writing within 7 days of the date issued, we will assume that this recorded interpretation or description is complete and accurate.

Attachment B

Mandatory Meeting Sign-in



MANDATORY PRE-SUBMISSION MEETING

WR19-009, ROPER RESERVOIR INLET MODIFICATIONS & EVERALL PRV

WEDNESDAY, JULY 31, 2019, 10:00AM
877 KEIL STREET, WHITE ROCK, BC

ATTENDEES

COMPANY REPRESENTING

Kepaidan Contr.
TYBO Contracting
GND LIMITED
~~CHRISTIAN BAECHELOR~~
GHD Ltd.
COWI

NAME OF ATTENDEE

Bill Kelly
Justin Martin
CHRISTIAN BAECHELOR
Michael Jervis
BIRK MADSEN

EMAIL (PLEASE PRINT)

bkelly@kenaidan.com
JMartin@Tybo.ca
CHRISTIAN.BAECHELOR@GHD.COM
michael.jervis@ghd.com
bmadson@whiterockcity.ca

PHONE

604 787 4455
604 882 0064
604-248-3656
778-686-6083
604-541-2192

Attachment C

Roper Reservoir Assessment – Condition Assessment Photos

Appendix A

Condition Assessment Photos



Photo 1: Roper reservoir looking from west (back alley).



Photo 2: Roper reservoir looking from east (George Street).



Photo 3: Reservoir south side and manhole for reservoir drain access.



Photo 4: Reservoir roof (looking from east).



Photo 5: Reservoir interior.



Photo 6: Reservoir roof cracks near column capital.



Photo 7: Reservoir overflow pipe.



Photo 8: Reservoir overflow pipe and floor drain.



Photo 9: Heavily corroded overflow pipe and supports.



Photo 10: Reservoir inlet/outlet pipe.



Photo 11: Reservoir ladder and access hatch



Photo 12: Reservoir wall/slab joint.



Photo 13: General appearance of reservoir walls with intermittent cracks and wall/roof joint.



Photo 14: Failed paint system at reservoir exterior walls



Photo 15: Closeup of failed paint system.



Photo 16: Existing east scupper and rain water leader



Photo 17: Existing west scupper with missing rain water leader.



Photo 18: Plugged east roof scupper.



Photo 19: Roof slab crack.



Photo 19: Cracks at access hatch curb.

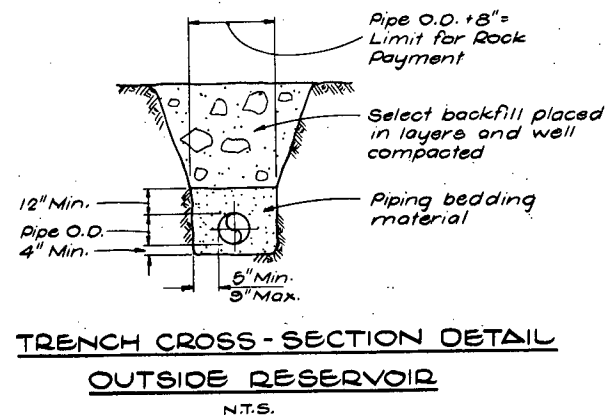
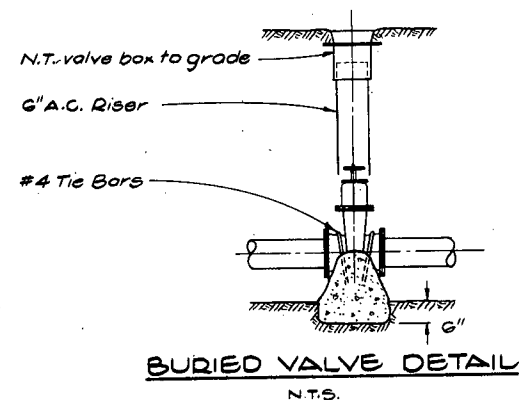
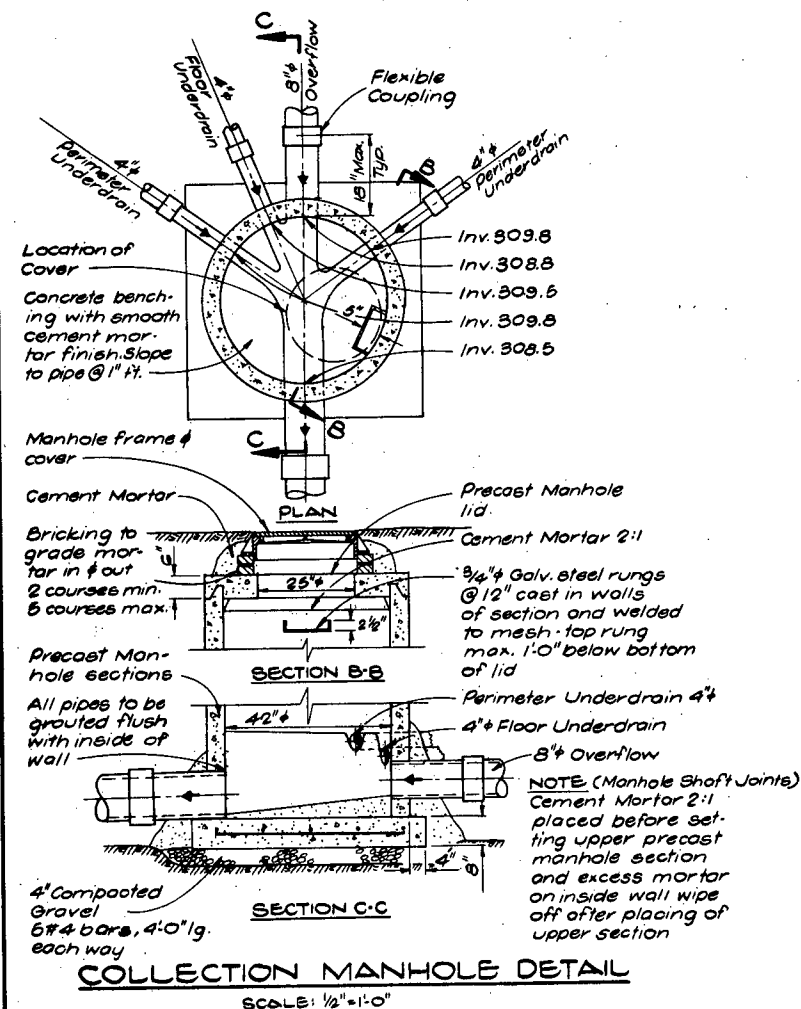
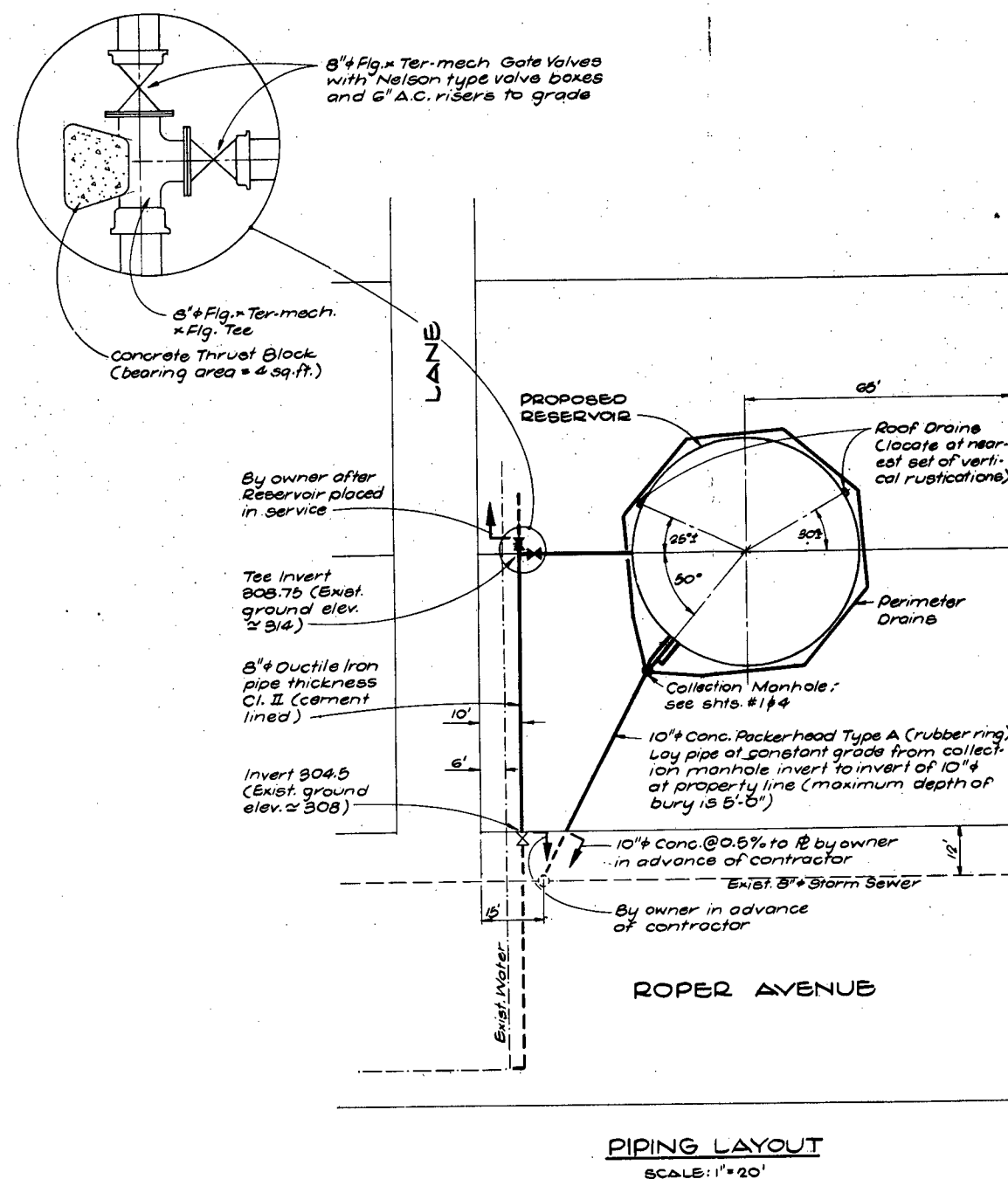
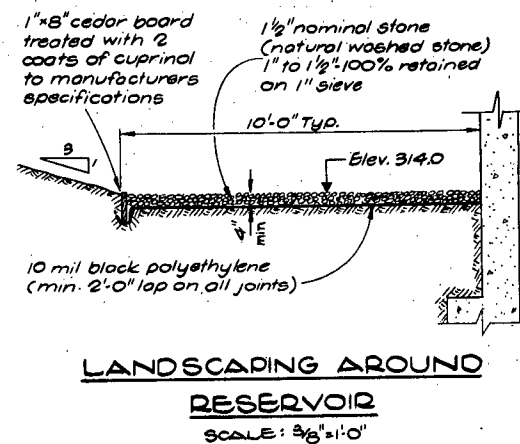
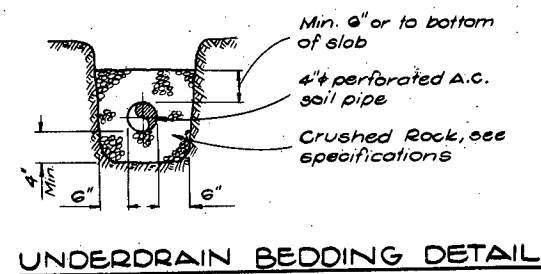
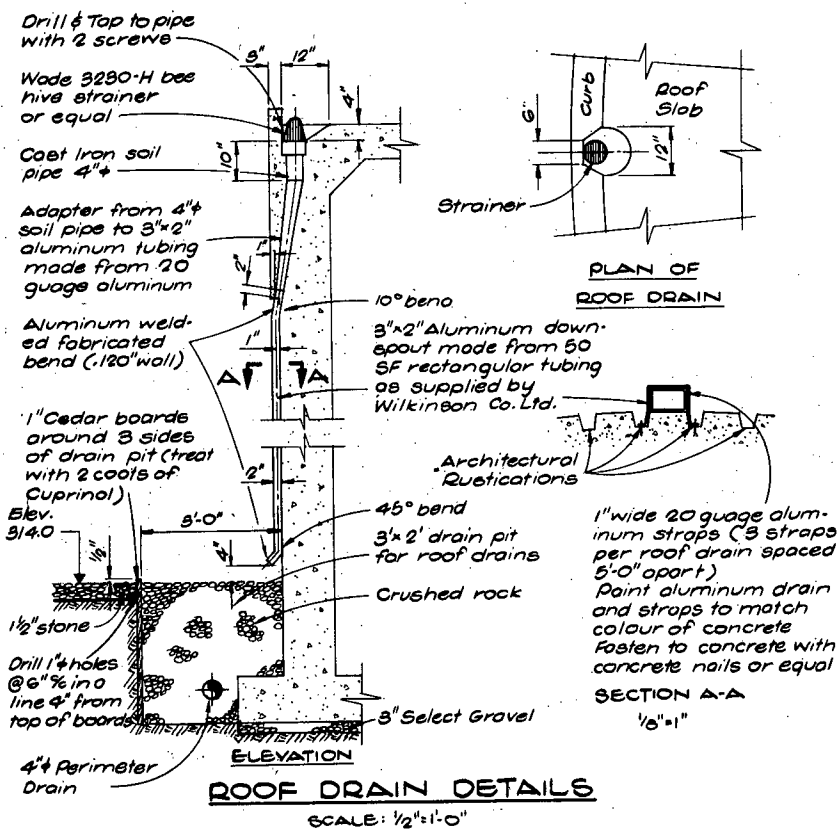


Photo 20: Recently installed fall arrest anchor

Attachment D

Roper Reservoir Issue for Tender Drawings

REVISIONS	ISSUE	DATE	DRN	CHD	APPD	DESCRIPTION	ISSUE	DATE	DRN	CHD	APPD	DESCRIPTION	DESIGNED	DAYTON & KNIGHT LTD. CONSULTING ENGINEERS	WHITE ROCK UTILITIES LIMITED ROPER AVENUE RESERVOIR INLET-OUTLET & OVERFLOW D'T'L'S, & STEEL SCHED.	SCALE: AS SHOWN DRAWING No. 21-2-1 SHEET 3 OF 4 ISSUE A
													D. HARRINGTON			
													O. WALLS			
													J.A. KRC	K.R. Kern	Nov 1, 1971	

[illegible]