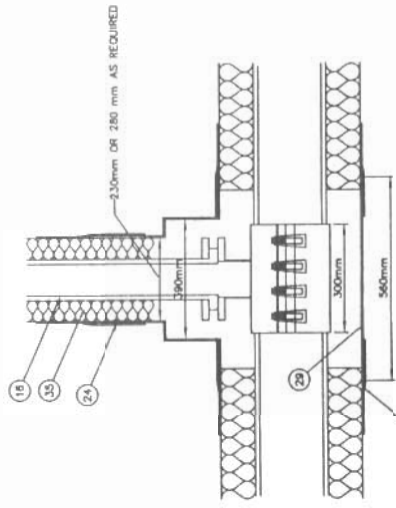
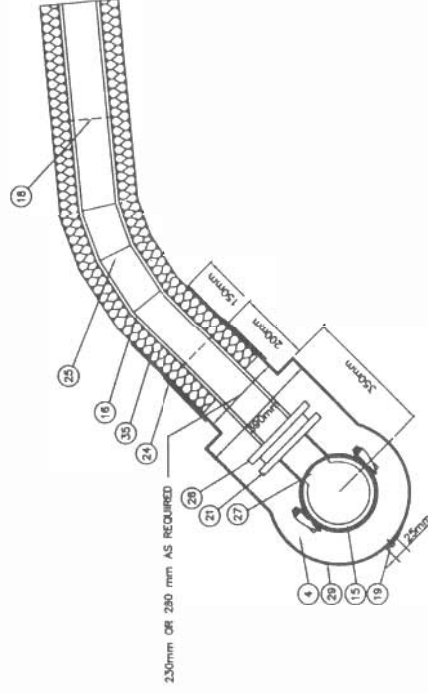
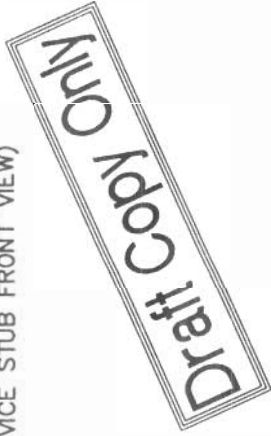




DETAIL
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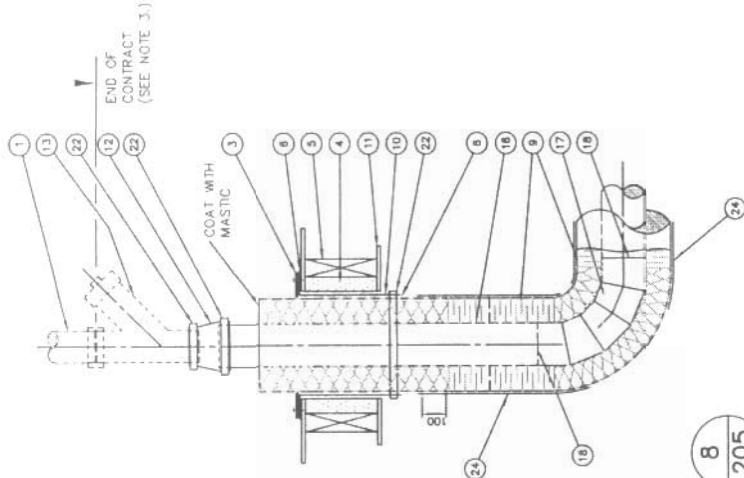
(TYPICAL SEWER SERVICE STUB FRONT VIEW)



DETAIL
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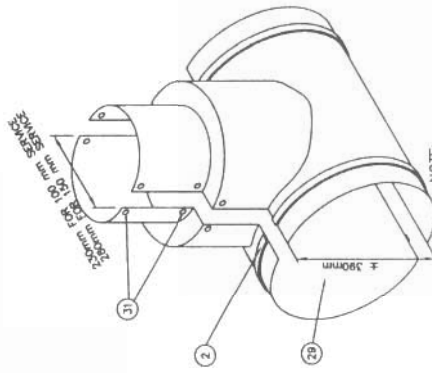
(TYPICAL SEWER SERVICE CONNECTION AT MAIN)



DETAIL	8
N.T.S.	205

N.T.S.

(TYPICAL SANITARY SEWER RISER
SEE DETAIL 10 DWG. 207)



DETAIL	9
N.T.S.	205

N.T.S.

(STEEL SEWER SERVICE INSULATION FORM)

NOTE:
STEEL FORM TO SUIT
O.D. OF INSULATED MAIN
PIPE PLUS 25mm LAP
REQUIRED ON EACH SIDE
SEE DETAIL 1 THIS DRAWING.

KEY TO NUMBERED PARTS

1. EXISTING 75mm DIA. ABS PIPE.
2. STAINLESS STEEL BAND-IT CLIPS #M211
3. 250mm DIA. 207 kPa BACKING FLANGE, HOT DIPPED GALVANIZED
SCREWED TO FLOOR RESTORE FLOOR TO EXISTING CONDITION.
4. POLYURETHANE INSULATION FROM PORTABLE FOAM PACK.
5. FLOOR JOIST - EXISTING.
6. SILICON CAULKING
7. =NUMBER NOT USED=
8. POLYURETHANE HALF SHELLS CUT TO LENGTH (OR FIELD APPLIED FOAM),
COATED WITH ASPHALT MASTIC AND HEAT SHRINK.
9. 500 mm LONG SLEEVE WITH 100 mm WIDE COLLAR
COVERING JOIST WITH 100mm POLYURETHANE INSULATION
COVERING 1"=16 240 mm x 100 x (CARRIER PIPE) OR
285 mm x (150 mm x CARRIER PIPE)
10. RESTORE SOFFIT TO ORIGINAL CONDITION OR REPAIR w/
20mm THICK PLYWOOD GLUED & SCREWED TO BOTTOM OF JOISTS.
11. 100mm DIA. x 75mm DIA. FERNOX SERIES 1056-43 COUPLING.
(SIZE) TO SUIT FOR 150 mm Ø SERVICE)
12. 75mm DIA. ABS CLEANOUT WITH THREADED PLUG AS REQUIRED.
13. SANITARY MAIN, HDPE PIPE DR11 150mm OR 200mm DIA. WITH
75mm NOMINAL POLYURETHANE AND FACTORY INSTALLED JACKET.
14. SANITARY SERVICE, HDPE IPS DR-11.5 WITH 50mm NOMINAL
POLYURETHANE AND FACTORY INSTALLED JACKET.
(100 mm Ø OR 150 mm Ø AS REQUIRED)
15. LONG RADIUS 90° ELBOW WITH FACTORY APPLIED POLYURETHANE INSULATION WITH
REINFORCED JACKET.
16. FIELD BUTT FUSION JOINT MADE BY QUALIFIED AND LICENSED JOINTING TECHNICIAN.
17. No. 8 x 13mm CADMIUM PLATED SHEET METAL SCREWS.
18. STAINLESS STEEL OUTLET SLEEVE, 100mm NOMINAL OUTLET SIZE.
ROBAR 6626 C/W 16mm NC T304 STAINLESS STEEL FASTENERS.
19. STAINLESS STEEL TRIDENT HAS 152 GEAR CLAMPS.
20. HEAT SHRINK, 150mm OVERLAP ON SHELLS AND PIPE JACKET.
21. HDPE DR11 45° BEND, FACTORY MANUFACTURED 100 mm Ø OR 150 mm Ø AS REQUIRED
22. DUCTILE IRON SLIP ON FLANGE SUITABLE FOR USE WITH HDPE PIPE.
23. HOLE FOR SERVICE TO BE DRILLED IN MAIN WITH HOLE SAW
24. GALVANIZED SHEET STEEL FORM.
25. HOLES TO BE DRILLED IN FIELD TO BE SUIT.
26. FACTORY APPLIED 50mm NOM. POLYURETHANE INSULATION WITH POLYETHYLENE JACKET.



GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL EXPOSED SURFACES INCLUDING FACTORY COATED SURFACES OF POLYURETHANE TO BE FIELD COATED WITH MASTIC.
3. THE INSIDE SURFACES OF METAL ON DETAIL 9, SHALL BE COATED WITH ESSO EPIC-102 GREASE.
4. SUPPLY AND INSTALL ALL PARTS FOR COMPLETE SERVICE CONNECTIONS AND LINES TO LOCATIONS AS SHOWN ON PLAN PROFILE DRAWINGS.



0	O4 Apr.	ISSUED FOR TENDER	MAL	
No.	Date	Description	Chkd	
REVISIONS				



Design	DTD
Drawn	DTD
Approved Chief	MAL
Director	
Contract File	

UTILIDOR REPLACEMENT
AREA 1
RANKIN INLET, NU

Drawing Title

Scale	AS NOTED	Project No.	Date
		00 - 3049	April 2004
		Drawing No.	Revision
		74532-205	0

PERMIT TO PRACTICE
EARTH TECH (CANADA) INC.

PERMIT NUMBER: P 005
The Association of Professional Engineers,
Geologists and Geophysicists of the MW7/NU



1 - 85748, No. 2 - LOCATED ON DRAWING No.	
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0	04 Apr.
No.	Date
ISSUED FOR TENDER	
MAL	
Chkd	
REVISIONS	

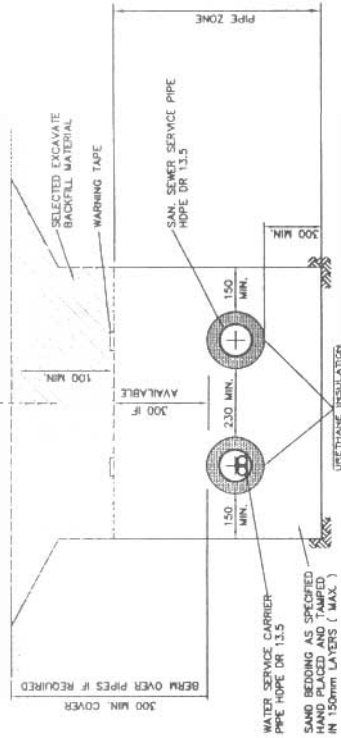


Design	DTD
Drawn	DTD
Approved	MAL
Chief	
Director	
Project Title	

UTILIDOR REPLACEMENT
AREA 1
RANKIN INLET, NU

Seq. Title	MISCELLANEOUS	SERVICE DETAILS
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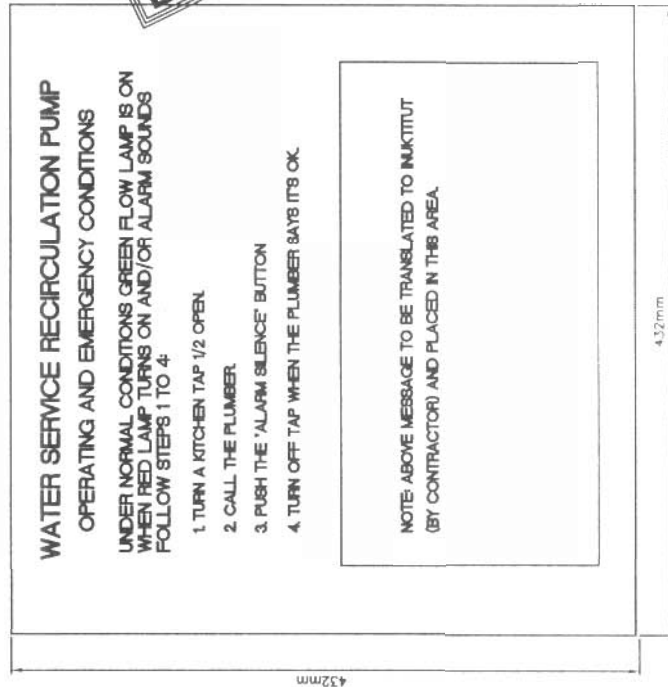
Scale	AS NOTED	Date	April 2004
Project No.	00 - 3049	Revision	0
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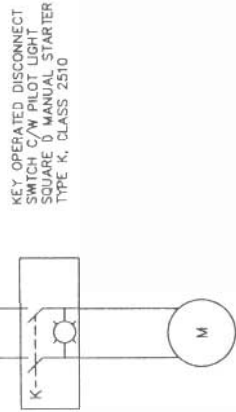
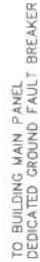
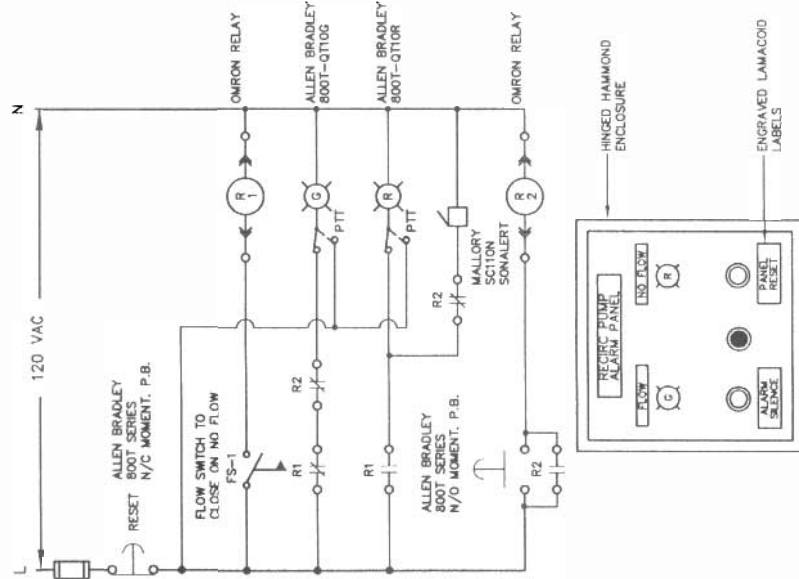
NOTES-

1. BEDDING MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
2. MAINTAIN A MINIMUM COVER OF 600 mm UNDER ROADWAY AND 300 mm UNDER LOT.
3. MAINTAIN A MINIMUM GRADE OF 2% - SANITARY SEWER SERVICE CONNECTION.
4. WARNING TAPE FOR WATER SERVICE LINES SHALL BE BLUE IN COLOR AND HAVE REPEATED MARKINGS AT ONE METRE INTERVALS - "CAUTION - BURIED WATER SERVICE LINE".
5. WARNING TAPE FOR SANITARY SEWER LINES SHALL BE GREEN IN COLOR AND HAVE REPEATED MARKINGS AT ONE METRE INTERVALS - "CAUTION - BURIED SANITARY SEWER SERVICE LINE".
6. WATER SERVICE LINES SHALL BE CONTINUOUS AND WITHOUT JOINTS OR SPICES BETWEEN TWO VALVES - STREET SERVICE VALVE AND BUILDING STOP.
7. ALL FUSION JOINTS SHALL BE MADE BY A QUALIFIED AND LICENSED JOINTING TECHNICIAN.
8. TRENCH LIMITS SHOWN ARE MINIMUM LIMITS. ALL TRENCHES SHALL CONFORM TO SAFETY REGULATIONS GOVERNING SUCH TRENCHES.

SECTION
N.T.S.
A
207



SIGN TO BE POSTED
NEAR ALARM PANEL

CIRCULATING PUMP SCHEMATIC
N.T.S.

FREEZE PROTECTION ELECTRICAL SCHEMATIC

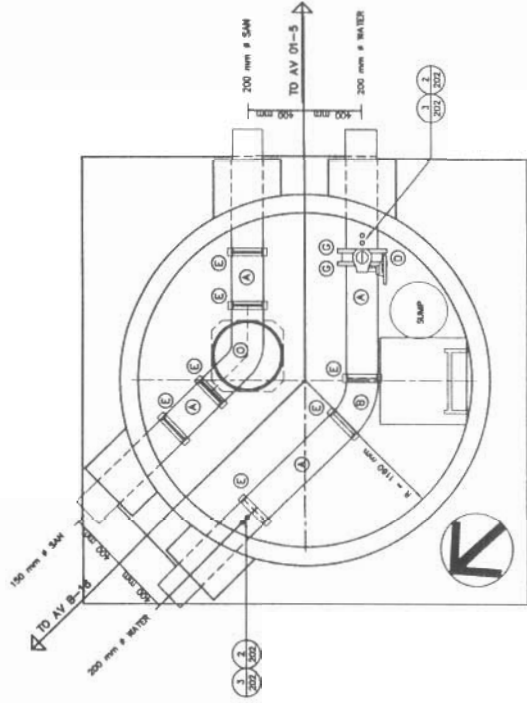
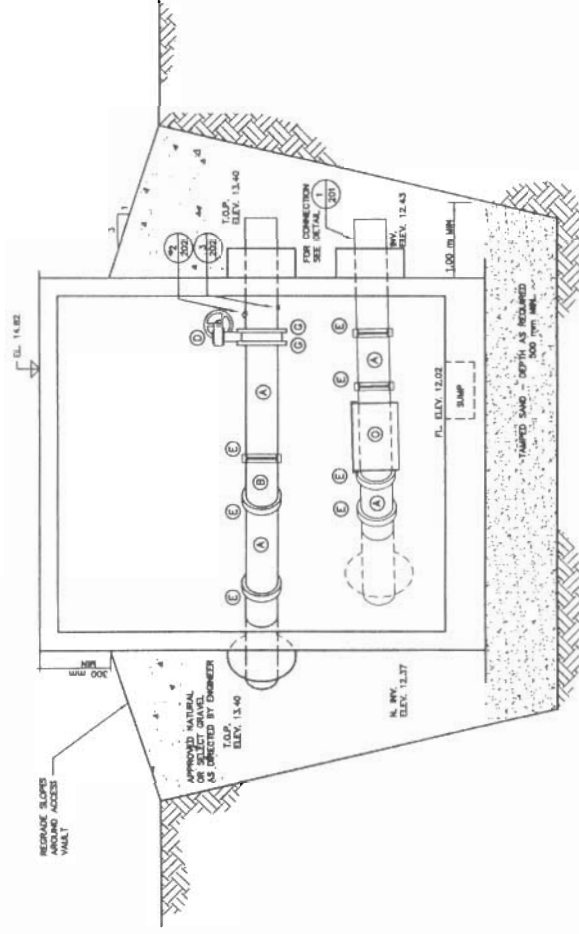
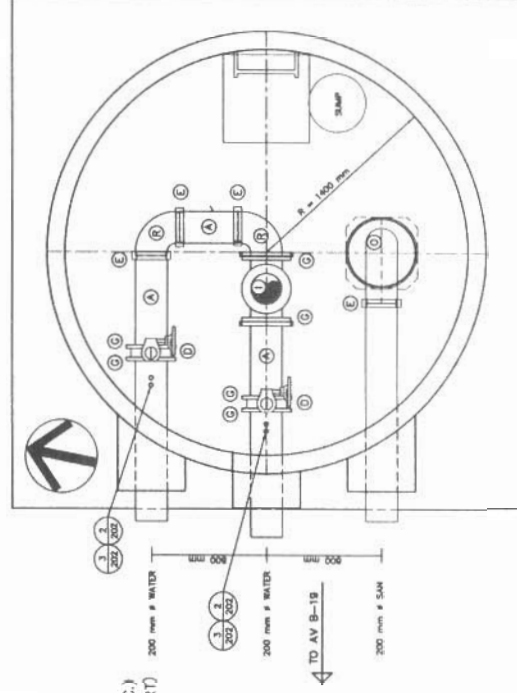
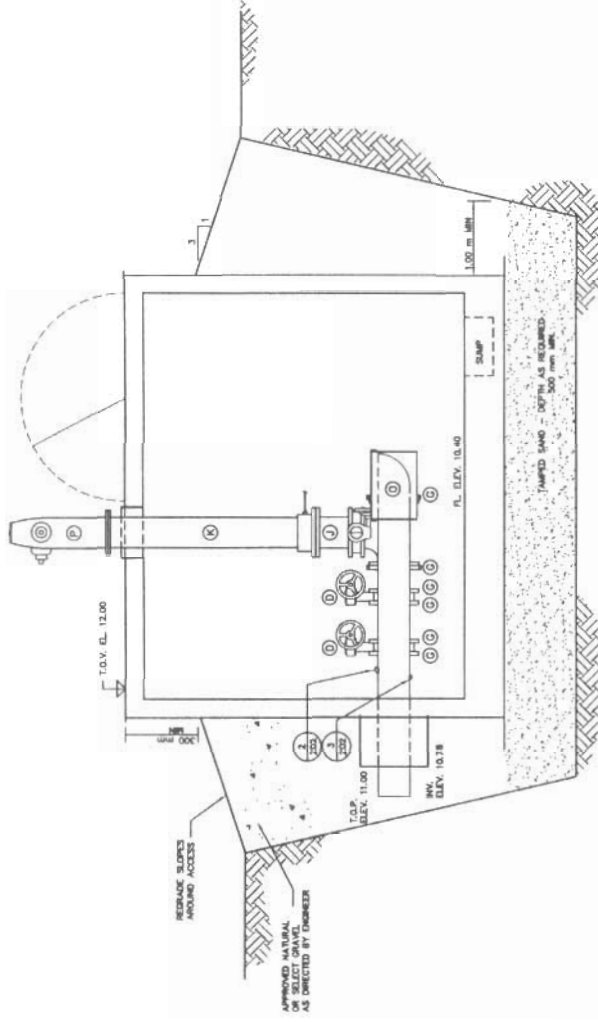


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Signature _____

Date _____

PERMIT NUMBER: P 005
The Association of Professional Engineers
Geologists and Geophysicists of the NWT/N



KEY TO NUMBERED PARTS

- | | |
|---|---|
| A | SPool PIeCE, LEnGTh To SuIT, 200 mm ø |
| B | 45 ° BEnD, ShORt RAdIuS, 200 mm ø |
| C | 90 ° BEnD, ShORt RAdIuS, 200 mm ø |
| D | BUTTERFLY VALVE, 200 mm ø, AS PER SPECIFICATIONS |
| E | VECTAuLc COUPLIng, ZEro-FLEX, TYPE 07, 200 mm ø C/W GASKET |
| F | BLInD FLAnGE, 200 mm ø |
| G | VECTAuLc FLAnGE ADAPTOR, 200 mm ø |
| H | RED. TEE, 200 mm x 200 mm x 150 mm ø FLAnGED |
| I | TEE, 200 mm ø FLAnGED |
| J | HyDRANT SpOOL PIeCE, 200 mm ø, STD FLAnGE OnE EnD, |
| K | FLAnGE To MAtCh McAVTy HyDRANT OtHER EnD , |
| L | HyDRANT BARREL, LEnGTh To SuIT |
| M | SpOOL PIeCE, LEnGTh To SuIT, 150 mm ø |
| N | VECTAuLc COUPLIng, ZEro-FLEX, TYPE 07, 150 mm ø |
| O | HyDRANT DRIn PIpED To SuMp, 12 mm ø RUBBER GARDEN HOSE |
| P | SEWER CLEANOut, COnFIGURE AS REQuIRED, SEE 74532-202 |
| Q | McAVTy M-67 HyDRANT, SEE SPECIFICATIONS |
| R | BUTTERFLY VALVE, 150 mm ø, AS PER SPECIFICATIONS |
| S | 90 ° BEnD, ShORt RAdIuS, 150 mm ø |
| T | 10mm THICK STEEL PLATE BETWEEN FLANGES.(EPOXY COATED AS PER SPEC. |
| U | 200mm ø "DUMMy" SpOOL PIeCE.(WELDED To WALL FOR HyDRANT SuPPORt |
| V | LEnGTh To SuIT. |
| W | 11 1/4" BEnD, 200mm ø |
| X | 22 1/2" BEnD, 200mm ø |

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