

**AS CONSTRUCTED CHAINAGES**

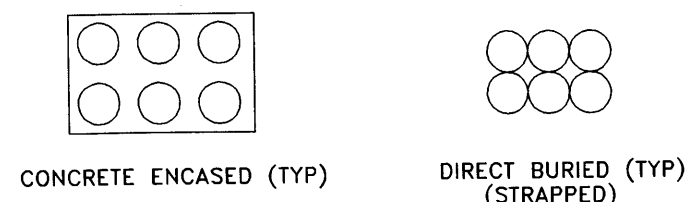
MH 95 - 1.5X1.5 SERVICE VAULT 148.44m D-L  
 1.5X1.5 SERVICE VAULT TO EXIST S.B. (ACCESS RD) 204.2m D-L  
 SERVICE VAULT - LAT POLE 41.75m C-P (NOTE: POLE IS STAKED ONLY)

**CONSTRUCTION NOTES :**

1. ELEVATIONS REFER N \_GEODETC\_
2. CONDUIT GRADE ON PROFILE IS APPROXIMATE ONLY. FINISHED GRADE WILL BE SUBJECT TO LOCATION OF EXISTING UNDERGROUND UTILITIES.
3. MINIMUM COVER CONDUIT 0.75m ALL SECTIONS EXCEPT WHERE OTHERWISE NOTED MANHOLE ROOF 0.50m
4. ALL DUCTS TO BE 100mm P.V.C. UNLESS OTHERWISE NOTED
5. ALL MANUFACTURED BENDS TO BE 4.3m RADIUS UNLESS OTHERWISE NOTED
6. ALL CONCRETE PILASTERS TO BE 300mm ABOVE GRADE UNLESS OTHERWISE NOTED.
7. CONTRACTOR IS TO PROVE THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES AND SERVICES AFFECTED BY CONSTRUCTION. BY M-SCOPE OR HAND EXCAVATION.
8. CONTRACTOR TO USE CAUTION WHEN EXCAVATING NEAR, OR BREAKING INTO B.C. TELEPHONE UNDERGROUND INSTALLATIONS. DAMAGE TO COMMUNICATIONS CABLES MUST BE AVOIDED.
9. FOR CABLE TROUBLE OR REPAIR INFORMATION CONTACT BC ONE CALL AT 1-800-474-6886
10. TEMPORARY RESTORATION IN ALL PAVED/SIDEWALK AREAS TO BE DONE IN ACCORDANCE WITH ALL APPROVING AUTHORITIES SPECIFICATIONS AND APPROVAL.
11. PERMANENT SIDEWALK AND CURB REPAIRS TO BE DONE BY CONTRACTOR. PERMANENT ROAD REPAIRS TO BE DONE BY CONTRACTOR.
12. PERMANENT BOULEVARD RESTORATION BY CONTRACTOR
13. ALL LANDSCAPE RESTORATION IN LAWN BOULEVARDS MUST BE DONE BY USING SUITABLE GRASS SOD
14. CONTRACTOR TO CONTACT THE APPROPRIATE B.C. GAS INC. RECORDS DEPARTMENT 48hrs PRIOR TO START WORK.
15. CONTRACTOR TO CONTACT THE CITY/MUNICIPAL WORKS INSPECTOR 48hrs PRIOR TO STARTING WORK
16. ALL BACKFILL MATERIAL AND COMPACTION TO BE IN ACCORDANCE WITH THE APPROVING AUTHORITIES SPECIFICATIONS.
17. IN ALL PRECAST MANHOLES, THE WINDOW KNOCK-OUTS FOR CENTRE ENTRY MUST BE SAW CUT. ALL VERTICAL BARS ARE TO BE LEFT INTACT DURING SAW CUTTING, THEN CUT IN THE MIDDLE, BENT OUT OF MANHOLE AND USED AS REINFORCEMENT IN THE DUCTBANK. NO IMPACT TOOLS TO BE USED IN THIS AREA.
18. BREAK OUT EXISTING CONCRETE ENCASED DUCTS: ANY JACK-HAMMERING OR USE OF POWER TOOLS TO BE CARRIED OUT BY CONTRACTOR. ALL HAND WORK ASSOCIATED WITH THE REMOVING OF CONCRETE, STRIPPING OF DUCTS, BREAKING OF DUCTS AND/OR HANDLING OF CABLES TO BE DONE BY B.C. TEL FORCES
19. EXISTING CONDUIT TO BE RELOCATED IF REQUIRED TO ENSURE SPECIFIED ENTRANCE LOCATIONS INTO MANHOLE/VAULT CONTRACTOR TO PROVIDE EXCAVATION, BACKFILLING AND RESTORATION IF RELOCATION BECOMES NECESSARY.
20. ORANGE MARKER TAPE TO BE PLACED IN TRENCH LINE, 300-400mm BELOW FINAL GRADE.
21. SUBGRADE & DIRECT BURIED MATERIAL WHERE APPLICABLE SHALL BE 20mm MINUS CRUSHED AGGREGATE.
22. BACKFILL MATERIAL SHALL BE:
  - IN ROADWAYS/TRAVELLED AREAS 20mm MINUS C.A.
  - IN SIDEWALK/TRAVELLED AREAS 20mm MINUS C.A.
  - IN BOULEVARD/UNTRAVELLED AREAS NATIVE FILL
24. ALL CONCRETE SIDEWALKS AND DRIVEWAYS SHALL BE SAWCUT WITH THE EXCEPTION OF COLD JOINTS.
25. [A] INDICATES CONTRACT ITEM NUMBER
26. CONTRACTOR TO PULL IN A BC TEL SUPPLIED DUCT MEASURING TAPE THRU ONE DUCT IN EACH RUN AFTER MANDELING. LOCATION TO BE DETERMINED BY BC TEL.

**ASSOCIATED DRAWINGS**

- SA-100068 6000 SERIES SERVICE BOX (FIBERGLAS RE-REINFORCED PLASTIC)
- SA-100032 PRECAST M.H. PLMH 4152
- SA-100030 POLE PILASTER DETAIL
- SA-100019 INSTALLATION-BACKWATER VALVE IN MANHOLE WALL
- SA-100004 SUMP C/W BACKWATER VALVE
- SA-100001 1.5m X 1.5m SERVICE VAULT



DIMENSIONS 100mm P.V.C. DUCTS	NO. OF DUCTS	DIRECT BURIED (mm)	CONC ENCASED (mm)	DIRECT BURIED STRAPPED
10 circles	10	1520	1395	1050
9 circles	9	1365	1265	945
8 circles	8	1210	1130	840
7 circles	7	1050	1000	735
6 circles	6	895	870	630
5 circles	5	735	735	525
4 circles	4	580	605	420
3 circles	3	420	470	315
2 circles	2	265	340	215
1 circle	1	--	210	105

- UTILITY LEGEND**
- O UTILITY POLE
  - T PROPOSED B.C.TEL
  - EXISTING B.C.TEL
  - OIL LINE
  - E B.C.H. & P.A.
  - S SANITARY SEWER
  - D DRAINAGE SEWER
  - W WATER
  - G GAS
  - SL STREET LIGHTING
  - FA FIRE ALARM
  - SH STEAM HEATING CULVERT
  - C CONCRETE ENCASED
  - TV CATV COMPANY

APP'D O	DR. LWW	APPROVED
DESIGN. H. ISOMAA	CH. O	DATE:
W.O. 709531	DATE: 28/09/95	APPROVED
FIELD BOOK O	SCALE: AS SHOWN	DATE:
CONTRACT: O		

**ISSUE**

AS CONSTRUCTED DATE: O  
 MICROFILMED DATE:  
 ASSOCIATED DRAWINGS  
 HU1-24-0420

**PROPOSED UNDERGROUND CONDUIT CONSTRUCTION**  
 GALLOPING GOOSE TRAIL  
 (HEMCKEN TO CHANCELLOR)  
**TOWN OF VIEW ROYAL**  
 HU1-24-0420

SHEET 1 OF 2

REF. MAP O FILE O

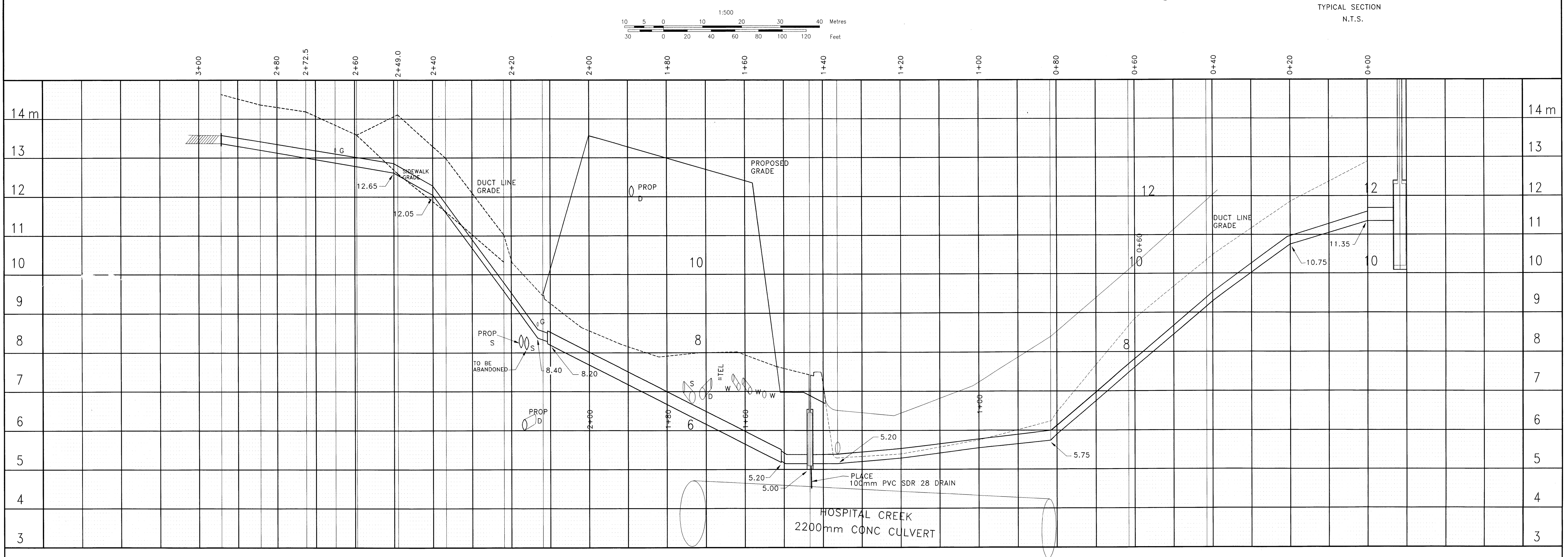
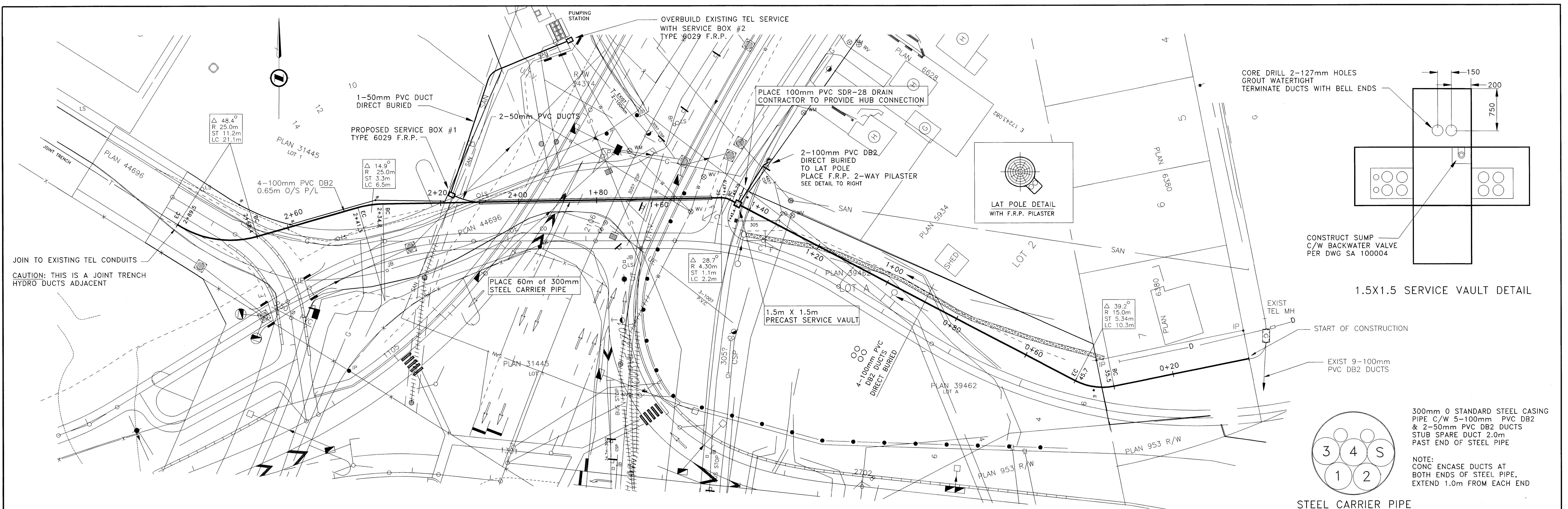
**BCTEL** ACCESS ENGINEERING **A1**

AS CONSTRUCTED  
 28/02/96 LWW

HI  
 ISSUE 2

**PROPRIETARY INFORMATION**

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UTILITY LEGEND		ST. OR SAN. SEWER		STREET LIGHTING		APPROVED		DRAWN		REVISION	
— T —	PROPOSED B.C. TEL	— S —	ST. OR SAN. SEWER	— SL —	STREET LIGHTING	AS CONSTRUCTED	APPROVED: O	DRAWN: LWW	REVISION		
— O —	EXISTING B.C. TEL	— C —	CULVERT	— FA —	FIRE ALARM	DATE: O	DESIGNED: H ISOWAA	CHECKED: O	2		
— W —	OIL LINE	— W —	WATER	— SH —	STEAM HEATING	MICROFILMED	CONTRACT: O	DATE: 13/11/95	A1		
— E —	B.C.H.&P.A.	— G —	GAS			DATE: O	W.O. NO.: 709531	SCALE: AS SHOWN	BCTEL ACCESS ENGINEERING		

WHU1-24-0420  
 SHEET 2 OF 2  
 BCTEL ACCESS ENGINEERING