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TAIL FD	DESIGN P	POLO PARK\	CAD\CIVII \PP	DD	PRODUCTION	DRAWINGS\049-056	1391640100-DW0	G-C0014-A	TO	C0021-A ST	JAMES.DWG	14.04.03	21:38

234	.000						
	.000						
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232	.000				 	 	
231	.000					 	
230	.000				 	 	
229	.000				 	 	
228	.000				 	 	

## <u>NOTES</u>

- ALL MATERIALS AND CONSTRUCTION METHODS TO COMPLY WITH LATEST EDITION OF CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATION.
   LOCATION OF ALL SEWER AND WATER MAINS AND SERVICES TO BE
- LOCATION OF ALL SEWER AND WATER MAINS AND SERVICES TO BE CONFIRMED IN FIELD PRIOR TO CONSTRUCTION. SEWER AND WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE ONLY. NOTIFY CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES.
- CONFIRM THAT SERVICES ARE ACTIVE BEFORE CONNECTING. ABANDON SERVICES NO LONGER IN USE WHERE DIRECTED BY THE CONTRACT ADMINISTRATOR.
- CONDITION OF EXISTING SERVICES TO BE VERIFIED BY CONTRACT ADMINISTRATOR. NEWER OR GOOD CONDITION SERVICES TO REMAIN AND OLDER OR POOR CONDITION SERVICES TO BE RENEWED TO PROPERTY LINE.
- 5. CONFIRM DEPTH OF SEWER SERVICES AT PROPERTY LINE USING SOFT DIG OR PIPE TRACING METHODS BEFORE ORDERING MAINLINE SEWER MANHOLES. CONTRACT ADMINISTRATOR MAY ADJUST MAINLINE SEWER DEPTH IF NECESSARY.
- ALL SEWERS AND CATCHBASIN LEADS BENEATH PROPOSED PAVEMENT TO BE ABANDONED WITH FLOWABLE FILL TO SD-021.
   INSTALL NEW SEWERS AND CATCHBASIN LEADS BY TRENCHLESS
- METHODS, UNLESS OTHERWISE NOTED.
  8. CATCHBASIN OFFSETS ARE DIMENSIONED TO BACK OF CURB.
  9. CATCHBASIN LEAD RISERS TO BE TYPE 'B' (SD-015).
- ALL MANHOLES AND CATCHBASINS WITHIN SLIP-FORM PAVING AREAS TO INCLUDE 100mm RISER BELOW FRAME AND COVER. CATCHBASIN RISERS FOR SD-024 INSTALLATIONS WITH AP-008 FRAMES TO BE 2 X 50mm MODULOC TYPE PRECAST SQUARE RISERS.
- 11. ALL DEEP SHAFTS ON ST JAMES STREET, ST MATTHEWS AVENUE, AND ELLICE AVENUE TO HAVE CLASS 1 BACKFILL. SHALLOW EXCAVATIONS UNDER AND WITHIN 1.0m OF PAVEMENT OR SIDEWALK TO USE CLASS 3 BACKFILL. CLASS 5 BACKFILL TO BE USED UNDER BOULEVARD AREAS.
- 12. WATERMAIN TO HAVE 2.5m COVER FROM CENTRELINE OF ROAD. 100mm BOX INSULATION TO BE PROVIDED WHERE WATERMAINS AND SERVICES ARE SHALLOWER THAN 2.5m.
- 13. PUSH-ON WATERMAIN FITTINGS TO BE RESTRAINED AGAINST THRUST USING CONCRETE THRUST BLOCKS TO CITY OF WINNIPEG SD-004 AND SD-005. ADDITIONAL THRUST RESTRAINT USING JOINT HARNESSES WITH STAINLESS STEEL TIE RODS AND NUTS TO BE PROVIDED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- INSTALL WATERMAIN BY TRENCHLESS METHODS UNDER ALL PAVEMENTS, TREES AND OTHER APPURTENANCES.
   ALL VALVES SHALL TURN COUNTER-CLOCKWISE TO CLOSE (RED
- OPERATING NUT). 16. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION FROM 100mm TO 150mm
- ABOVE FINISHED GRADE. 17. SALVAGE ALL EXISTING HYDRANT ASSEMBLIES, VALVES AND VALVE BOXES AND RETURN TO CITY OF WINNIPEG PLINQUET YARD. REUSE EXISTING
- HYDRANTS ONLY AS DIRECTED. 18. CONTRACTOR TO NOTIFY BUSINESSES AND RESIDENTS A MINIMUM OF 48 HOURS PRIOR TO ANY DISRUPTION TO WATER SERVICE.
- HOURS PRIOR TO ANY DISRUPTION TO WATER SERVICE. 19. ADD 200.00m TO ABBREVIATED ELEVATIONS TO OBTAIN GEODETIC ELEVATIONS.

	Cert	ificate of Authorization
		<b>3 Date: April 30, 2014</b> ORTUNITY No. 210-2014
111	Winnipeg THE CITY OF W BUBLIC WORKS DEP ENGINEERING DIVIS	ARTMENT
CENEER.	2013 POLO PARK INFRASTRUCTURE IMPROVEMENTS	CITY DRAWING NUMBER LD-13591 SHEET OF 49 61
G NO.	ST. JAMES STREET LAND DRAINAGE SEWER AND WATERMAIN STA 0+800 TO STA 0+910	DRAWING No. REV