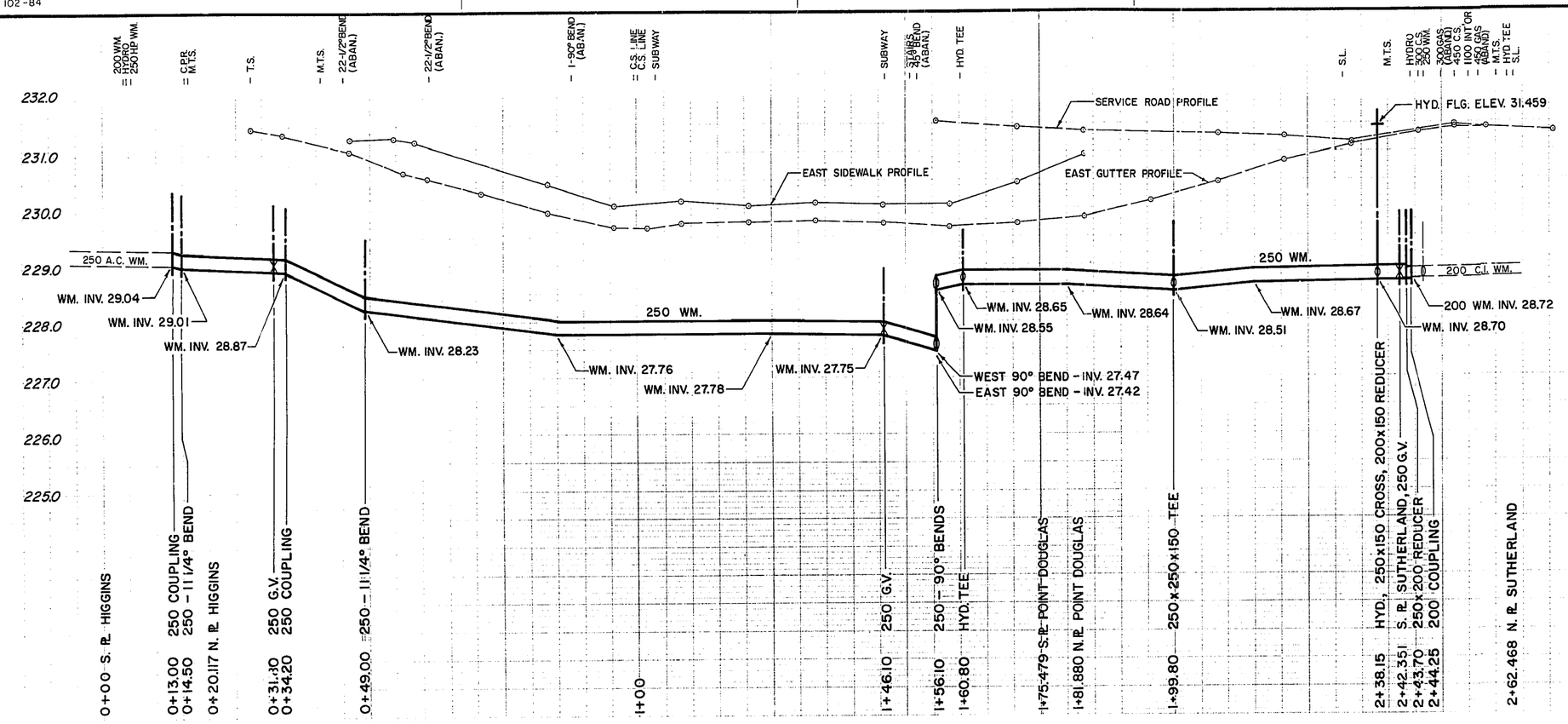
WO 102-84



WATER SERVICES LOCATIONS

ADDRESS	DISTANCE TO PROPERTY	SIZE & TYPE (MM)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
771 MAIN ST. (INDUSTRIAL)	0.54	20 LEAD	19.95 NSL BLDG. 40.60 SSL SUTHERLAND	0.65 S OF SC	UNION 0.50 FROM CORP
771 MAIN ST. (SPRINKLER)	GATE VALVE 5.80	150 CAST IRON	17.80 NSL BLDG. 42.75 SSL SUTHERLAND	TEE OPPOSITE GV	150 CPLG 0.36 E OF GV

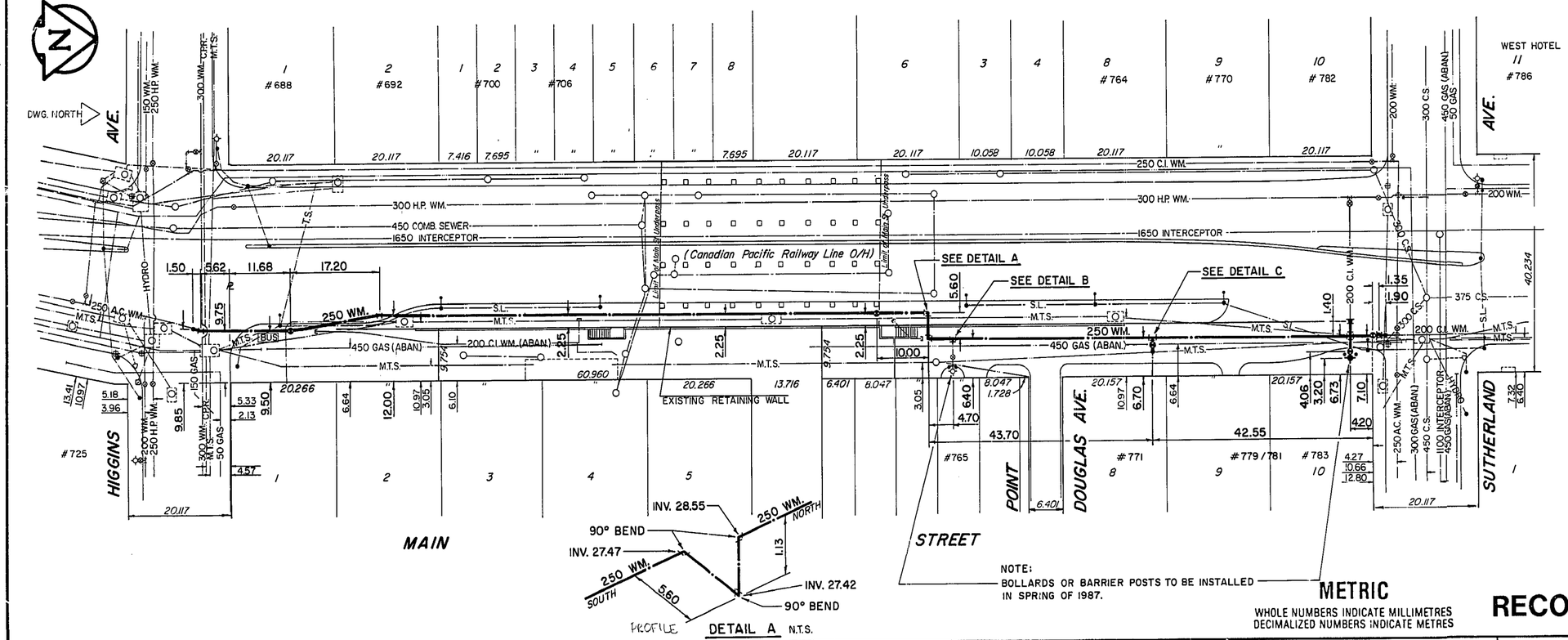
MATERIAL LIST

ITEM	MANUFACTURER	MATERIAL SPECIFICATION	SPECIAL FEATURES
1. WATERMAIN			
150 PIPE	SCEPTER MANUFACTURING CO. LTD.	AWWA C900	PVC PIPE CLASS 150
200 PIPE	SCEPTER MANUFACTURING CO. LTD.	AWWA C900	PVC PIPE CLASS 150
250 PIPE	SCEPTER MANUFACTURING CO. LTD.	AWWA C900	PVC PIPE CLASS 150
HYDRANTS	DAIGLE	AWWA C502	CONCORD D67M
GATE VALVES	DAIGLE	AWWA C509 (RESILIENT SEAT GATE VALVE)	CW TO OPEN (RED TOP)
VALVE BOX	W.D. VALVE BOXES LTD.	C73 VALVE BOX (C.I.)	
FITTINGS	MCAVITY	AWWA C110	TYTON JOINT (FOR C900 PVC)
COUPLINGS	ROCKWELL	SMITH-BLAIR CAST COUPLING	STAINLESS STEEL NUTS & COLTS, C.I. SLEEVE (ASTM A126), D.I. FOLLOWERS. SLEEVE & FOLLOWERS EPOXY COATED.
3. BUILDING SERVICES			
20mm WATER PIPE	NORANDA	ASTM B88	TYPE 'K' COPPER
CORPORATION STOP	EMCO	AWWA INLET THREAD/ COMPRESSION OUTLET	
WATER SERVICE FITTINGS	EMCO	FLARED FITTINGS	
4. ROADS			
ITEM	MANUFACTURER/SUPPLIER		
CONCRETE	WINNIPEG SUPPLY		
REINFORCING STEEL	COMIN STEEL		
REINFORCING STEEL	COMIN STEEL	EPOXY COATED TIE BARS	
ASPHALT	BA-NIAKWA CONSTRUCTION		

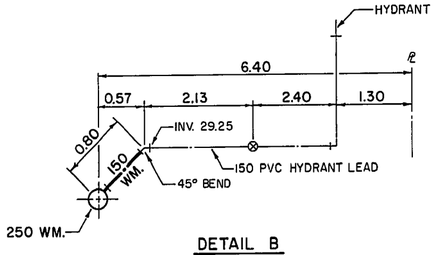
CONTRACTOR: KODIAK CONSTRUCTION INC.

CONSTRUCTION PERIOD: OCTOBER/NOVEMBER, 1986

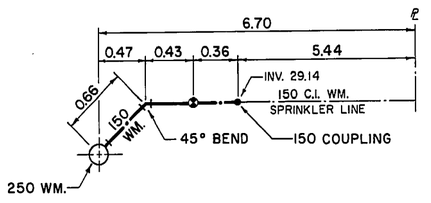
FIELD BOOK NO: 86113



PROFILE DETAIL A N.T.S.



DETAIL B
N.T.S.



DETAIL C
N.T.S.

NOTE:
BOLLARDS OR BARRIER POSTS TO BE INSTALLED IN SPRING OF 1987.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

RECORD DRAWING

05 JAN 87 C.C.M.

PD. 86-221

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	150 mm W.M.	WATERMAIN			
⊕	HYDRANT	⊕	M.T.S.	⊕	HYDRANT	⊕		
⊗	VALVE	⊗	CONCRETE	⊗	VALVE	⊗		
300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.	ASPHALT	300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.		
250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.	PROPERTY LINE	250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.		
○	MANHOLE	●	SURVEY BAR	⊕	℄ PROFILE			
□	CATCH BASIN	■	COUPLING					
▽	CURB INLET	▼						
	JUNCTIONS							
	CULVERT							
	GAS							
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. O/G 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.

BM 26-006
ELEV 231.445

NO	REVISIONS	DATE	BY
A	REVISED TO RECORD DWG.	19-12-86	L.S.

UMA Engineering Ltd.
Engineers & Planners
1479 Buffalo Place Winnipeg, Manitoba, Canada R3T 1L7

DESIGNED BY A.N. — CHECKED BY
DRAWN BY bgd — APPROVED 12 SEPT. 86 C.C.M.
HOR. SCALE 1:500
VERTICAL 1:50
RELEASED FOR INSTRUCTION
DATE 86-09-12

ENGINEER'S SEAL
PROVINCE OF MANITOBA
12 SEPT. 86
C.C. MACEY
C.C.M.
REGISTERED ENGINEER

CONSULTANT DRAWING NO. 41-02-3483-011-01

THE CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION
OPERATIONS DEPARTMENT - DISTRICT 3

1986 WATERMAIN RENEWALS
CONTRACT 2
MAIN STREET
HIGGINS AVE. TO SUTHERLAND AVE.

CITY DRAWING NUMBER
SHEET 1 OF 3
01 A