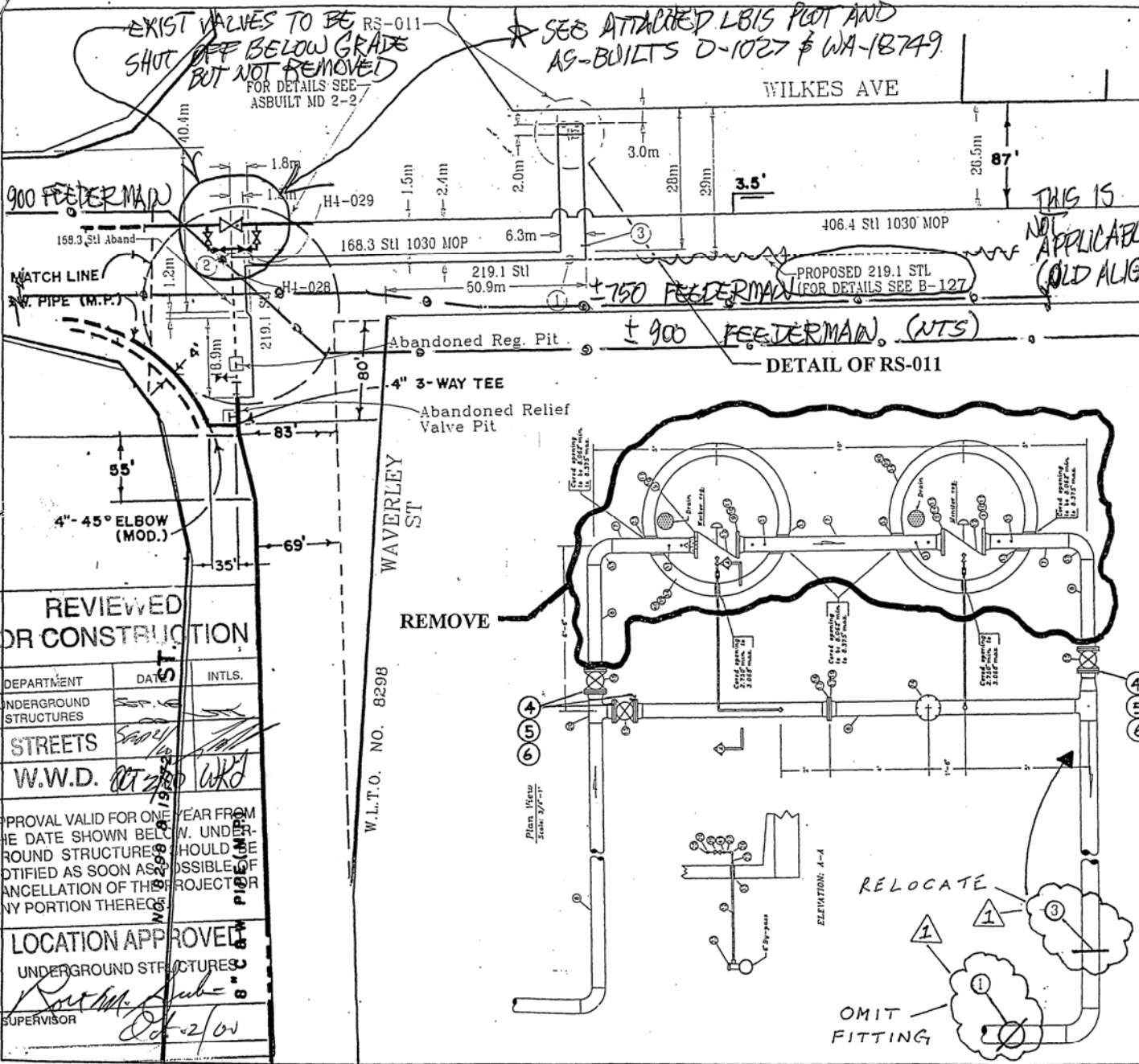


APPENDIX 'A'

WILKES AVENUE RECORD DRAWINGS



DECOMMISSIONING OF RS-011 WILKES AND WAVERLEY

SEQUENCE OF DECOMMISSIONING

- Any deviations from this procedure, must have prior written approval by the Facilities Design and Operations Engineer.
- Before purging mains to do any commissioning or decommissioning ensure all services are located and make sure customers are aware of outages.
- Note: All below grade valves to be abandoned are to be blind flanged and/or closed off, as well as have their stems, road boxes and portion of housing containing the above components removed. The surroundings shall be restored to conditions as per company representative.

BILL OF MATERIALS FOR DECOMMISSIONING OF RS-011

BOM	Quantity	Size	Description
1	1	3"	Williamson Shortstop 150 ANSI RF Flanged Steel Top
2	1	6"	STL Butt WLD Cap
3	1	8"	STL Butt WLD Cap
4	4	6"	150 ANSI FORGED STEEL ASTM A-105 WN RF BLIND FLANGE
5	4	6" x 1/8"	150 ANSI FLEX GASKET
6	32	3/4" x 4"	STL. ASTM A193 GR.87 STUDS c/w 2H HEX NUTS

1. GDM TO CLOSE VALVES H4-028 AND H4-029 (SEE B-127-4), THUS ALLOWING PRESSURE TO REDUCE IN THE PORTION OF 6" HP MAIN LEADING TO THE OLD RS-011. PRESSURE IN THE 6" HP MAIN SHALL BE DRAINED DOWN TO APPROXIMATELY 60 psig.
2. CONTRACTOR TO EXCAVATE MP LINE 95' SOUTH OF THE NORTH PROPERTY LINE OF WILKES AVE 167' EAST OF THE EAST PROPERTY LINE OF WAVERLEY AND PLACE AN 8" SHORTSTOP JUST WEST OF 8" 90° ELBOW AS INDICATED ON B-127-2.
3. GDM TO TAP AND STOP SHORTSTOP. ALL REMAINING GAS SHALL BE PURGED BY THE USE A FLAIR STACK THROUGH A SUITABLE SENSE POINT, SHOULD THERE BE NONE AVAILABLE ONE IS TO BE WELDED ONTO A SUITABLE POINT.
4. NOW THE 6" HP MAIN SUPPLYING THE OLD RS-011 AND THE PORTION OF THE 8" MP TO BE WORKED ON CAN BE COMPLETELY PURGED WITH NITROGEN BY GDM.
5. ONCE ALL MAINS HAVE BEEN PURGED THE CONTRACTOR IS TO REMOVE ALL THREE 6" 150 ANSI ROCKWELL Fig. 1945 1/2 PLUG VALVES. THESE VALVES ARE TO BE USED IN THE BLOCK AND BYPASS OF THE NEW RS-011. THE DECOMMISSIONING AND COMMISSIONING SHOULD BE COORDINATED SO THERE IS MIN. DOWN TIME OF RS-011.
6. CONTRACTOR TO ABANDON, BLIND FLANGE AND WELD END CAPS DOWNSTREAM OF VALVES H4-028 AND H4-029.
7. CONTRACTOR TO CUT ELBOW OUT OF 8" MP PIPE TO ALLOW FOR CONNECTING OF 8" x 0.188" C & W PIPE (ON THE SAME OFFSET AS EXISTING) FROM THE OUTLET OF THE NEW RS-011.
8. CONTRACTOR TO ABANDON REGULATOR AND RELIEF PITS AND WELD END CAPS AT EXISTING PIT RS-011.
9. CONTRACTOR TO REMOVE ALL NECESSARY PIPING SURROUNDING REGULATOR AND RELIEF PITS. CONCRETE PITS ARE TO BE COMPLETELY REMOVED, BACK FILLED WITH SAND AND A MINIMUM OF 18" OF TOPSOIL.
10. CONTRACTOR TO RESTORE SURROUNDINGS TO PREVIOUS CONDITIONS AS PER COMPANY REPRESENTATIVE.
11. ALL REGULATOR AND RELIEF EQUIPMENT FROM OLD RS-011 TO BE TAGGED WITH STATION NUMBER AND DELIVERED TO DOUG MILLER'S ATTENTION @ 1284 WILKES.

THIS DWG IS NOT TO SCALE
6G-689

IN MY OPINION THE PLANS AND SPECIFICATIONS SUBMITTED ARE IN ACCORDANCE WITH CSA 1984-198 GAS PIPING SYSTEMS AND THE CONSTRUCTION OF THE FACILITIES PROPOSED HEREIN WILL NOT ENDANGER PUBLIC SAFETY.		
<i>J. D. Keil</i>		
Revised	Date	By
0	05/30/00	REVISION FOR TENDER
Centra Gas Manitoba Inc. Winnipeg, Manitoba DECOMMISSIONING OF RS-011 WILKES AND WAVERLEY		
LOCATION: WINNIPEG	RURAL MUNICIPALITY: -	
SCALE: N/A	DRAWN: R. G. N.	DATE: JUNE 29, 2000
LAND TITLES DRAWINGS:		AS-BUILT # - B-127-4
		SHEET 2 of 2



REVIEWED FOR CONSTRUCTION

DEPARTMENT	DATE	INTLS.
UNDERGROUND STRUCTURES		
STREETS		
W.W.D.		

APPROVAL VALID FOR ONE YEAR FROM THE DATE SHOWN BELOW. UNDERGROUND STRUCTURES SHOULD BE NOTIFIED AS SOON AS POSSIBLE OF CANCELLATION OF THE PROJECT OR ANY PORTION THEREOF.

LOCATION APPROVED
 UNDERGROUND STRUCTURES

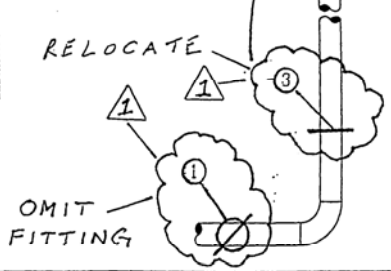
SUPERVISOR: *Robert M. Sub...* 6-3-00
 Date: Oct 2/00

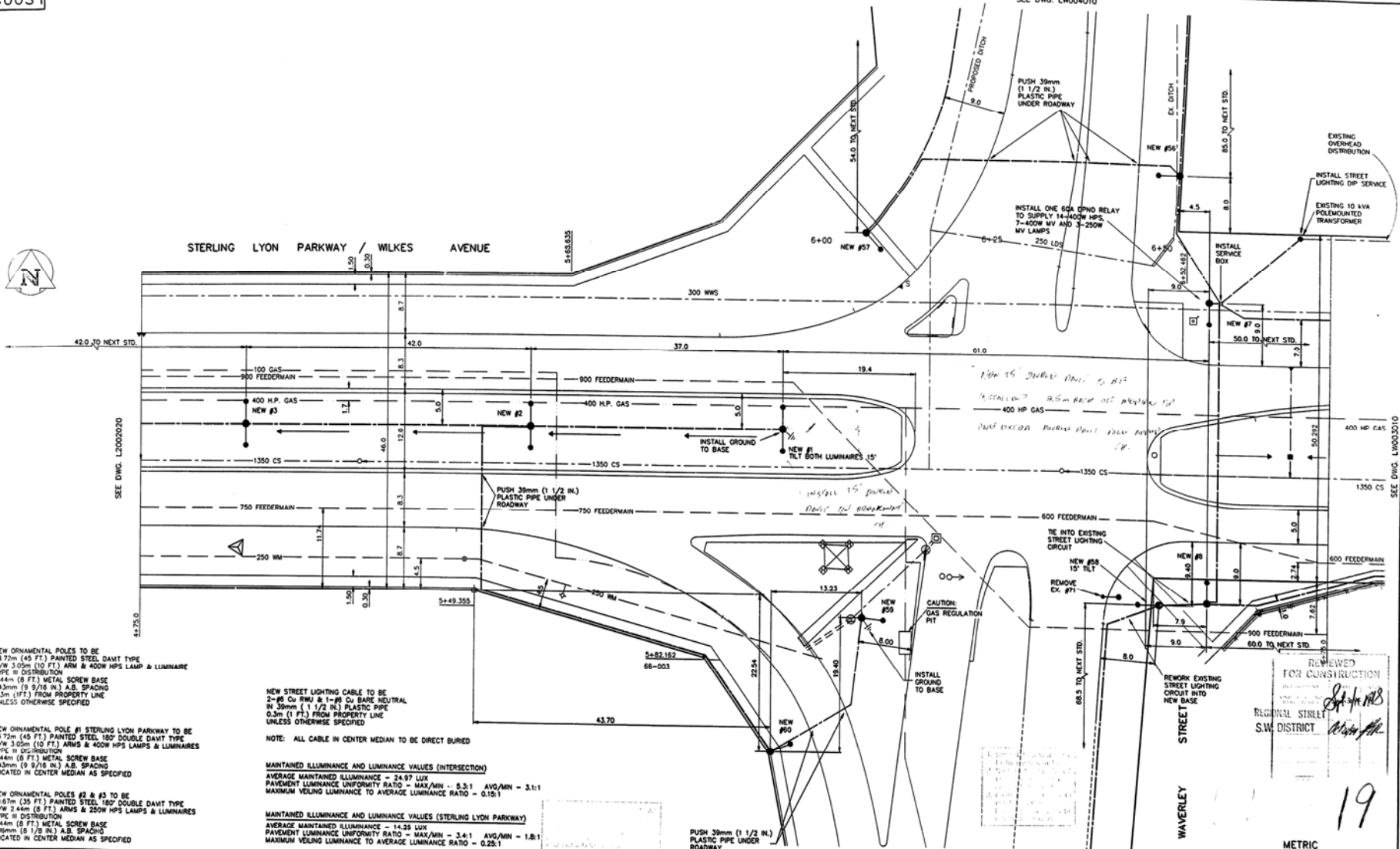
EXIST VALVES TO BE SHUT OFF BELOW GRADE BUT NOT REMOVED FOR DETAILS SEE ASBUILT NO 2-2

SEE ATTACHED LBIS PLOT AND AS-BUILTS D-1027 & WA-18749

THIS IS NOT APPLICABLE (OLD ALIGN)

DETAIL OF RS-011





EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	PROFILE	PROPOSED
WATERMAN (BM)	○	○	HYDRANT	□	□			
SEWER	—	—	VALVE	●	●			
GAS	—	—	HYDRO POLE	■	■			
M/S/URTEL	—	—	LIGHT STANDARD	—	—			
TRAFFIC SIGNALS (TS)	—	—	SEWER MANHOLE	⊙	⊙			
PROPERTY LINE	—	—	CATCH BASIN	□	□			
LOF LINE	—	—	CURB INLET	△	△			
CURB	—	—	SURVEY MARK	•	•			
TR. LIGHTING (SL)	—	—	HYDRO	—	—	232.12	ELEVATION	232.12
			HYDRO MANHOLE	□	□		HYDRO	

LOCATIONS APPROVED UNDERGROUND STRUCTURES

NOTE:
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ON THIS PLAN IS THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL STRUCTURES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

No.	REVISION	DATE	BY	APP'D

DESIGNED BY: M. LECLAIR
 CHECKED BY: L.S. BLOOM
 DATE: 94-07-21
 SCALE: 1:250
 APPROVED BY: [Signature]



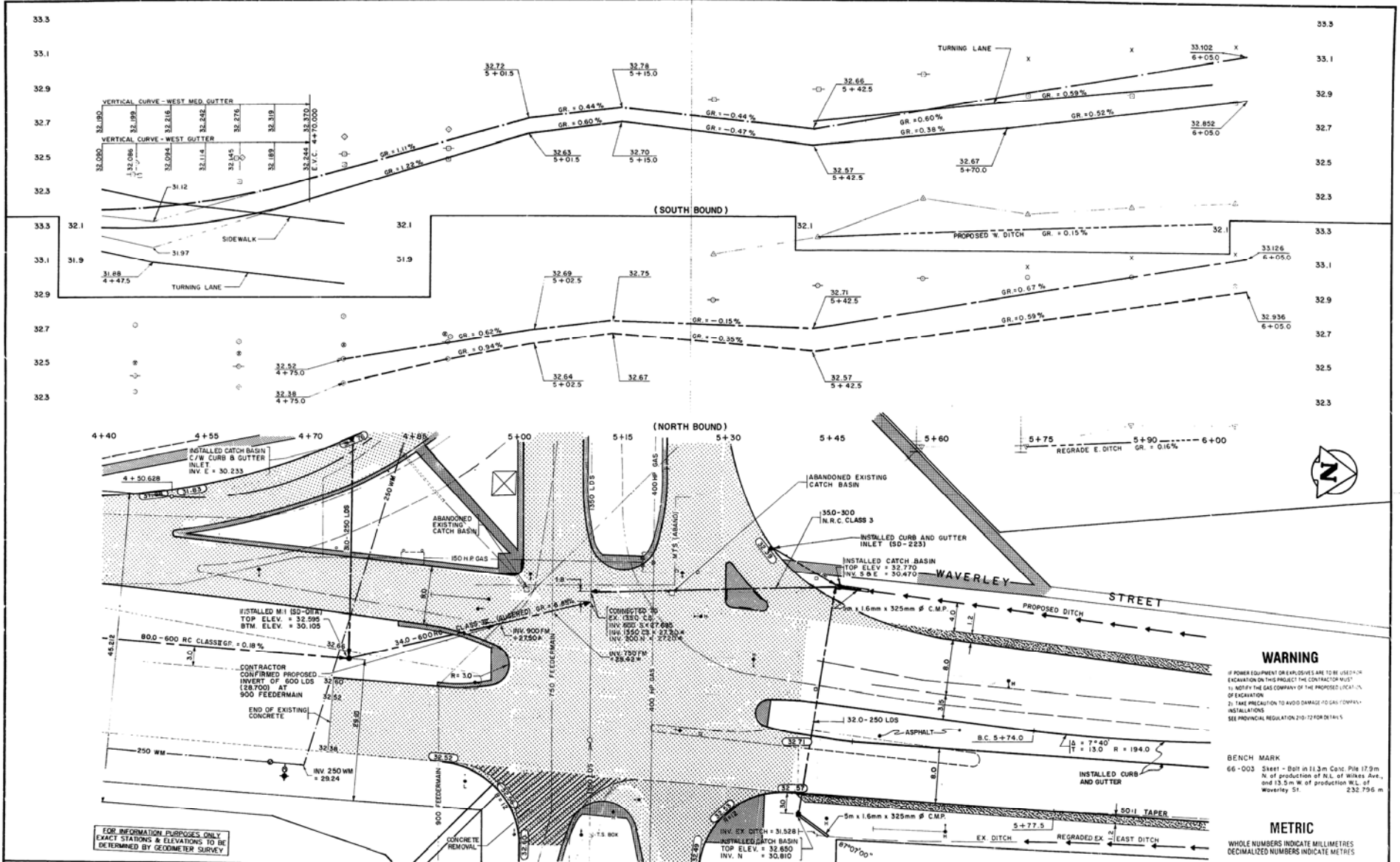
TITLE: NEW ORNAMENTAL STREET LIGHTING STERLING LYON PARKWAY

STATION: 5+00.0 TO WAVERLEY ST.

SOUTHWEST DISTRICT

WINNIPEG HYDRO
 DISTRIBUTION DIVISION
 DISTRIBUTION ENGINEERING BRANCH

SHEET 3 OF 3
 DRAWING NUMBER: LS02030



WARNING
 IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION
 2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS TAPPING INSTALLATIONS
 SEE PROVINCIAL REGULATION 170-72 FOR DETAILS

BENCH MARK
 66-003 Sheet - Bolt in 11.3m Conc. Pile 17.9m N. of production P.L. of Wilkes Ave., and 13.5m W. of production W.L. of Waverley St.

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

FOR INFORMATION PURPOSES ONLY
 EXACT STATIONS & ELEVATIONS TO BE DETERMINED BY GEODETIC SURVEY

<p>WATERMAIN HYDRANT VALVE</p> <p>LAND DRAINAGE SEWER</p> <p>WASTE WATER SEWER</p> <p>MANHOLE</p> <p>CATCH BASIN</p> <p>CURB INLET</p> <p>JUNCTIONS</p> <p>CULVERT</p> <p>GAS</p>	<p>HYDRO</p> <p>8175</p> <p>CONCRETE</p> <p>ASPHALT</p> <p>PROPERTY LINE</p> <p>SURVEY BAR</p> <p>GRAVEL SHOULDER</p> <p>DITCH</p> <p>SIDEWALK</p>	<p>WEST PROPERTY LINE</p> <p>W GUTTER TURN LANE</p> <p>WEST GUTTER</p> <p>WEST MED. GUTTER</p> <p>EAST MED. GUTTER</p> <p>EAST GUTTER</p> <p>E GUTTER TURN LANE</p> <p>EAST PROPERTY LINE</p> <p>OF ROAD</p> <p>WEST DITCH</p> <p>EAST DITCH</p>
<p>EXISTING</p> <p>LEGEND-PLAN</p> <p>PROPOSED</p> <p>EXISTING</p> <p>LEGEND-PLAN</p> <p>PROPOSED</p>	<p>EXISTING</p> <p>LEGEND-PLAN</p> <p>PROPOSED</p> <p>EXISTING</p> <p>LEGEND-PROFILE</p> <p>PROPOSED</p>	<p>EXISTING</p> <p>LEGEND-PROFILE</p> <p>PROPOSED</p>

LOCATION APPROVED
 UNDERGROUND STRUCTURES

DATE: 11/11/83

NOTE:
 1. ALL UNDERGROUND STRUCTURES, AS SHOWN AND NOTED ON THIS PLAN, ARE TO BE CONSTRUCTED TO THE DEPT. OF HIGHWAYS AND ARE TO BE SUBJECT TO THE DEPT. OF HIGHWAYS' APPROVAL AND THE DEPT. OF HIGHWAYS' CONDITIONS OF CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND STRUCTURES.

B.M. 66-003 ELEV. 232.796m	F.B. 2265
1. REVISED TO ASBUILT	22-95 A.P.
2. REVISED 400 L.S. GR.	14-94 A.P.
3. ADDED L.S. & LEADS (MED.)	18-94 A.P.
4. REV. WAVERLEY ST. MEDIAN	8-94 A.P.
1. REV. S. BOUND ALIGNMENT	2-88 N.S.
NO. 1	DATE

IDE ID ENGINEERING CANADA INC
 Professional Engineers
 WINNIPEG, MANITOBA

DESIGNED BY: B.L.F.
 CHECKED BY: B.L.F.
 DRAWN BY: T.W.A., B.D.
 APPROVED BY: B.L.F.

HOR. SCALE: 1:250
 VERTICAL: 1:10

CONSULTANTS' PRODUCTION NO. ST-36-389

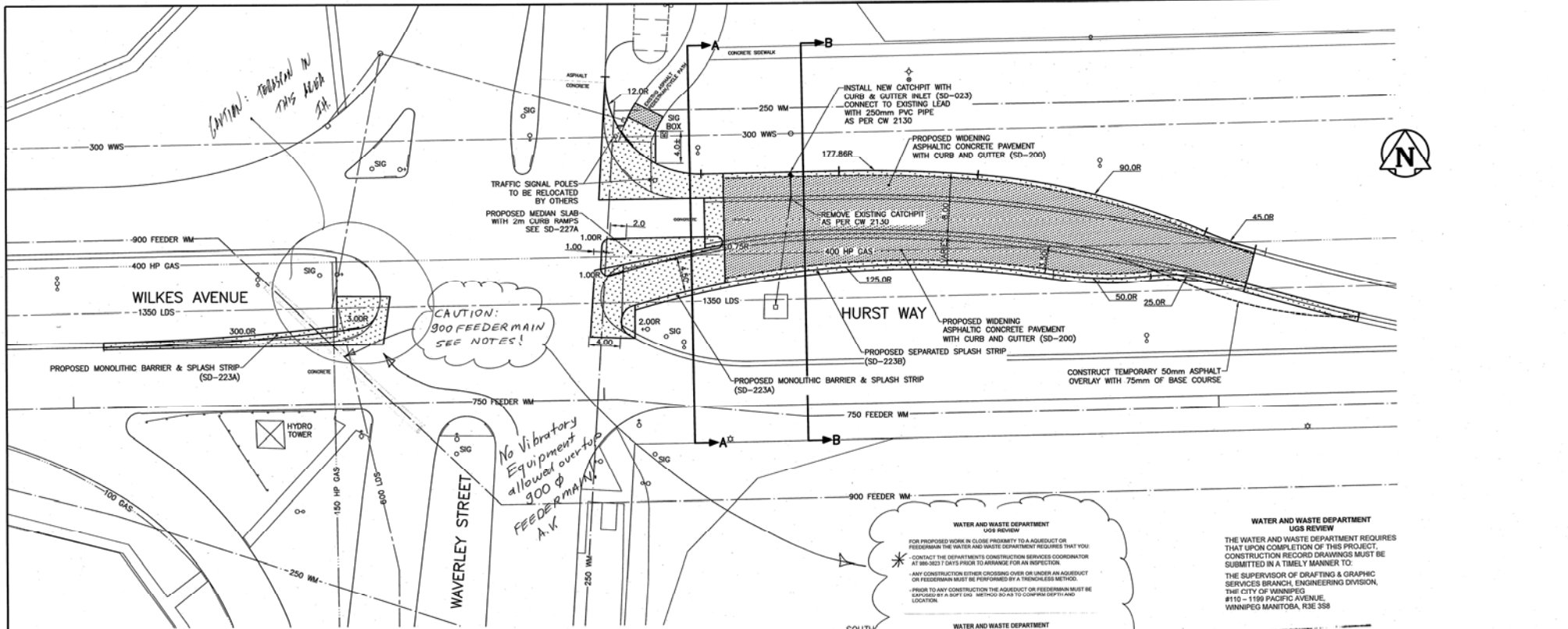
THE CITY OF WINNIPEG
 WORKS AND OPERATIONS DIVISION

WILKES - WAVERLEY INTERSECTION

STA. 4+40 TO STA. 6+00
 WAVERLEY

12 24

P-3152-9



CAUTION:
900 FEEDER MAIN
SEE NOTES!

No Vibratory
Equipment
allowed over-top
900 φ
FEEDER MAIN
A.V.

WATER AND WASTE DEPARTMENT
UGS REVIEW
FOR PROPOSED WORK IN CLOSE PROXIMITY TO AN AQUEDUCT OR FEEDERMAIN THE WATER AND WASTE DEPARTMENT REQUIRES THAT YOU CONTACT THE DEPARTMENT'S CONSTRUCTION SERVICES COORDINATOR AT PROJECT TAKE OFF PRIOR TO ARRIVAL FOR AN INSPECTOR.
-ANY CONSTRUCTION EITHER CROSSING OVER OR UNDER AN AQUEDUCT OR FEEDERMAIN MUST BE PERFORMED BY A TRENCHLESS METHOD.
-PRIOR TO ANY CONSTRUCTION THE AQUEDUCT OR FEEDERMAIN MUST BE EXPOSED BY A SOFT END METHOD 80 CM AS TO CORING DEPTH AND LOCATION.

WATER AND WASTE DEPARTMENT
UGS REVIEW
CAUTION: FEEDERMAIN AND/OR AQUEDUCT DO NOT HANDLE HEAVY OR VIBRATORY EQUIPMENT OVER OR WITHIN 0.5 METERS OF CENTRE LINE OF FEEDERMAIN AND/OR AQUEDUCT.

WATER AND WASTE DEPARTMENT
UGS REVIEW
CAUTION: FEEDERMAIN AND/OR AQUEDUCT INSTALLATION EQUIPMENT FOR THE PROPOSED WORKS SHALL NOT CROSS OR TRAVEL ALONG EITHER SIDE OF THE FEEDERMAIN AND/OR AQUEDUCT WITHIN A LATERAL CLEARANCE OF 0.5 METERS FROM THE CENTRE LINE OF THE FEEDERMAIN AND/OR AQUEDUCT.

WATER AND WASTE DEPARTMENT
UGS REVIEW
THE WATER AND WASTE DEPARTMENT REQUIRES THAT UPON COMPLETION OF THIS PROJECT, CONSTRUCTION RECORD DRAWINGS MUST BE SUBMITTED IN A TIMELY MANNER TO:
THE SUPERVISOR OF DRAFTING & GRAPHIC SERVICES BRANCH, ENGINEERING DIVISION, THE CITY OF WINNIPEG, #110 - 1199 PACIFIC AVENUE, WINNIPEG MANITOBA, R3E 3S8

REVIEWED FOR CONSTRUCTION

DEPARTMENT	DATE	INITIALS
UNDERGROUND STRUCTURES		
STREETS		
W. W. D. <i>Marie</i>		

APPROVAL VALID FOR ONE YEAR FROM THE DATE SHOWN BELOW. UNDERGROUND STRUCTURES SHOULD BE NOTIFIED AS SOON AS POSSIBLE OF CANCELLATION OF THE PROJECT OR ANY PORTION THEREOF.

LOCATION APPROVED UNDERGROUND STRUCTURES

Signature: *W. W. D.*
Date: _____

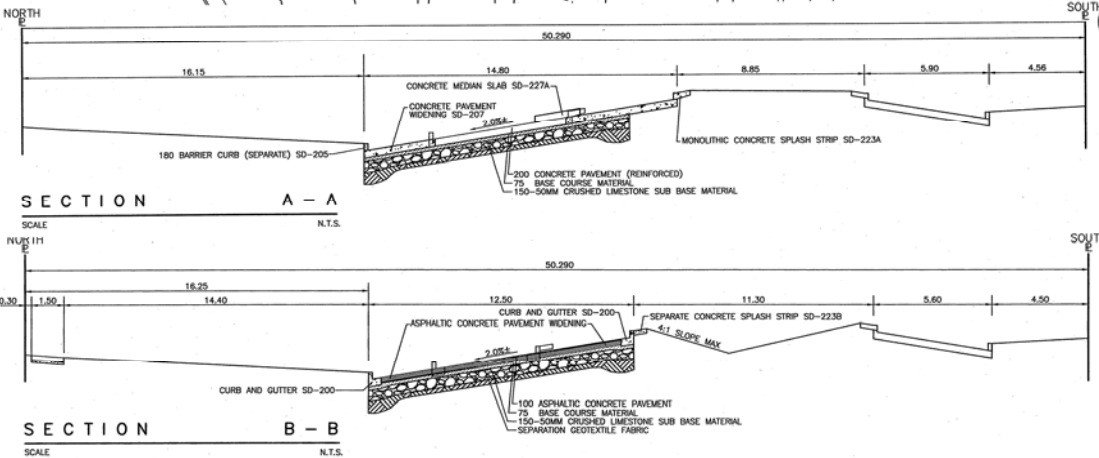
CONTACT THE CUSTOMER TECHNICAL SERVICES BRANCH AT 596-3322 48 HOURS PRIOR TO CONSTRUCTION FOR CLEARANCE OF EXISTING WATER AND WASTEWATER UTILITIES.

- CONSTRUCTION NOTES**
- 1) CURB REPLACEMENT AS DIRECTED BY THE CONTRACT ADMINISTRATOR
 - 2) ALL 150mm RADIUS CURB UNDER 15M RADIUS SHALL BE REPLACED AS MOVED OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR
 - 3) PAVEMENT REPAIRS SHOWN ARE ONLY A REPRESENTATIVE SAMPLE OF THE TENDER QUANTITIES
 - 4) ASPHALT TIE-INS ON APPROACHES TO BE DETERMINED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
 - 5) ALL BLENDES TO HAVE SLOPED FACE.

WARNING

IF POWER EQUIPMENT OR EXPLOSIONS ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) MAINTAIN CLEARANCE FROM THE GAS UTILITY PRIOR TO EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS UTILITY INSTALLATION.
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

GP. 5934



EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
⊕	HYDRANT	+	---	LDS/WWS	---	---	---	---
⊙	VALVE	•	---	WATERMAIN	---	---	---	---
⊖	CURB STOP	•	---	GAS	---	---	---	---
⊙	CONCRETE	•	---	TRAFFIC SIGNALS	---	---	---	---
⊙	O.L.S.	•	---	ASPHALT	---	---	---	---
⊙	MANHOLE	•	---	CURB RENEWAL	---	---	---	---
⊙	CATCH BASIN	•	---	ELEVATIONS	---	---	---	---
⊙	CURB INLET	•	---	PROPERTY LINE	---	---	---	---
⊙	HYDRO POLE	•	---	SURVEY BAR	---	---	---	---
⊙	TRAFFIC SIGNAL POLE	•	---	CEMETERY BENCH MARK	---	---	---	---
⊙		•	---	RAMP CURB	---	---	---	---

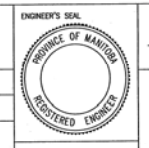
LOCATION APPROVED UNDERGROUND STRUCTURES

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. COORDINATION OF EXISTING AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.	66-003 232.796
DESIGNED BY	NMM/lwb/A.P.
DRAWN BY	R.M.
CHECKED BY	G.C./A.P.
APPROVED BY	
HOR. SCALE:	1 : 250
VERTICAL:	N.I.S.
DATE:	2010/01/26

PRELIMINARY



BID OPPORTUNITY NO. 48-2010

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WAVERLEY STREET AND HURST WAY / WILKES AVENUE
2010 INTERSECTION IMPROVEMENTS AND ASSOCIATED WORKS

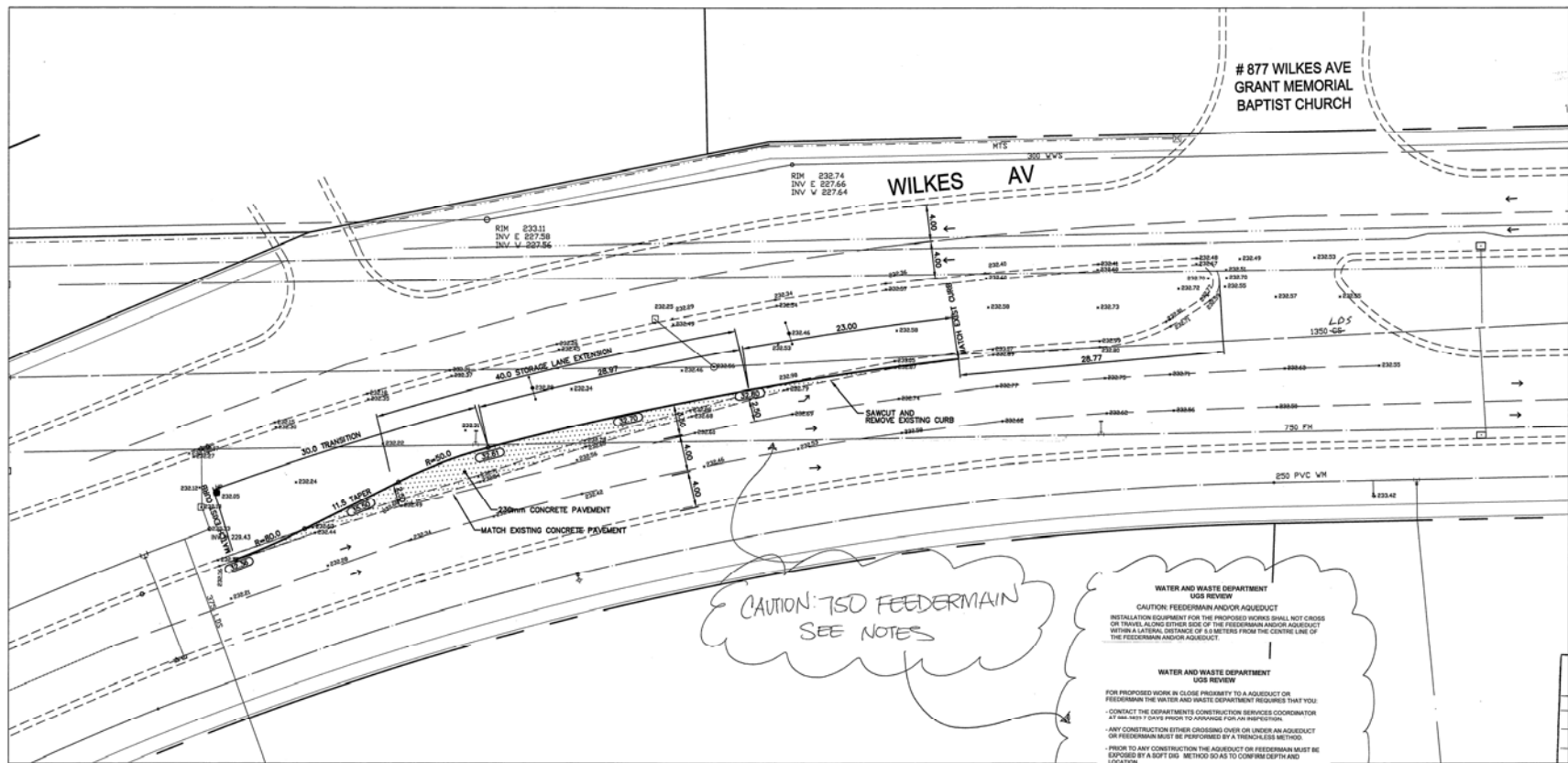
CITY DRAWING NUMBER
SE-10-19
SHEET 1 OF 1



JUN 24 10 35

877 WILKES AVE
GRANT MEMORIAL
BAPTIST CHURCH

WILKES AV



CAUTION: 750 FEEDERMAIN
SEE NOTES

**WATER AND WASTE DEPARTMENT
USED REVIEW**

CAUTION: FEEDERMAIN AND/OR AQUEDUCT
INSTALLATION EQUIPMENT FOR THE PROPOSED WORKS SHALL NOT CROSS OR TRAVEL ALONG EITHER SIDE OF THE FEEDERMAIN AND/OR AQUEDUCT WITHIN A LATERAL DISTANCE OF 3.0 METERS FROM THE CENTRE LINE OF THE FEEDERMAIN AND/OR AQUEDUCT.

**WATER AND WASTE DEPARTMENT
USED REVIEW**

FOR PROPOSED WORK IN CLOSE PROXIMITY TO AN AQUEDUCT OR FEEDERMAIN THE WATER AND WASTE DEPARTMENT REQUESTS THAT YOU:

- CONTACT THE DEPARTMENT'S CONSTRUCTION SERVICES COORDINATOR AT 965-3322 48 HOURS PRIOR TO APPROVING FOR AN INFRASTRUCTURE.
- ANY CONSTRUCTION EITHER OVERHEAD OR UNDER AN AQUEDUCT OR FEEDERMAIN MUST BE PERFORMED BY A TRENCHLESS METHOD.
- PRIOR TO ANY CONSTRUCTION THE AQUEDUCT OR FEEDERMAIN MUST BE EXPOSED BY A BURT LOG METHOD TO AS TO COVERING DEPTH AND LOCATION.

**WATER AND WASTE DEPARTMENT
USED REVIEW**

CAUTION: FEEDERMAIN AND/OR AQUEDUCT
DO NOT OPERATE HEAVY OR VIBRATORY EQUIPMENT OVER OR WITHIN 3.0 METERS OF CENTRE LINE OF FEEDERMAIN AND/OR AQUEDUCT.

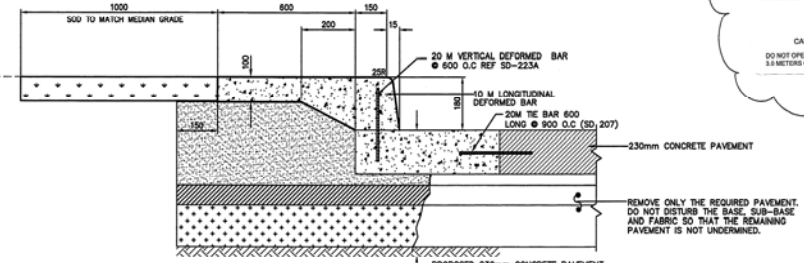
REVIEWED FOR CONSTRUCTION

DEPARTMENT	DATE	INITIALS
UNDERGROUND STRUCTURES	JUN 22 2010	SC
STREETS	JUN 22 2010	SC
W.W.D.	June 6/10	AL

APPROVAL VALID FOR ONE YEAR FROM THE DATE SHOWN ABOVE. UNDER THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATION, UNDERGROUND STRUCTURES SHOULD BE NOTICED AS SOON AS POSSIBLE OR CANCELLATION OF THE PROJECT OR ANY PORTION THEREOF.

LOCATION APPROVED
UNDERGROUND STRUCTURES

DATE: 6/2/10



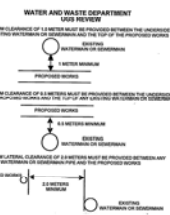
TYPICAL WIDENING DETAIL
NTS

- NOTES:
- ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATION, UNLESS OTHERWISE NOTED.
 - ALL ROADWAY DIMENSIONS SHOWN ARE TO BACK OF CURB.
 - ADD 200.000 TO OBTAIN ACTUAL GEODETIC ELEVATIONS.
 - CONTRACTOR TO VERIFY DEPTH OF UTILITIES PRIOR TO CONSTRUCTION. LOCATIONS 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 LOCATIONS OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.
 - RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITIONS.

PRINTED ON
JUN 08 2010
GEMM GROUP

METRIC
WHOLE NUMBERS INDICATE MILLIMETERS DECIMALIZED NUMBERS INDICATE METERS.

2010W0331



CONTACT THE CUSTOMER TECHNICAL SERVICES BRANCH AT 965-3322 48 HOURS PRIOR TO CONSTRUCTION FOR CLEARANCE OF EXISTING WATER AND WASTEWATER UTILITIES

NOTE: These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
Watermain	Hydrant	Valve	Land Drainage Sewer	Waste Water Sewer	Manhole	Catch Basin	Curb Inlet	Utilities Adjusted
Gas	Electric	Culvert	Hydro Pole	Property Line	House Numbers	Elevation	Edge of Pavement	230mm CONC PAVEMENT

NO.	REVISIONS	DATE	BY
1	A	REVISED AS PER CITY REVIEW	06.08.10 RMB

MMM GROUP

DESIGNED BY: RMB
DRAWN BY: TJP
HOR SCALE: 1:250
VERTICAL: -

DATE: JUNE 8, 2010

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION

GRANT MEMORIAL BAPTIST CHURCH
877 WILKES AVENUE

40 METER LEFT TURN LANE EXTENSION

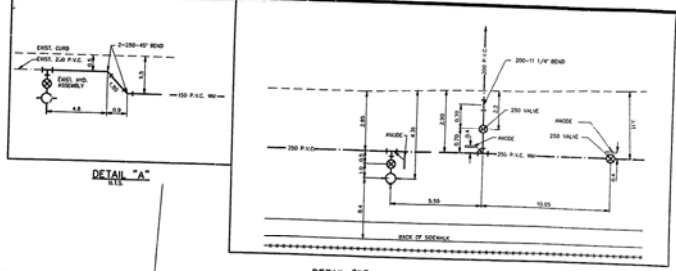
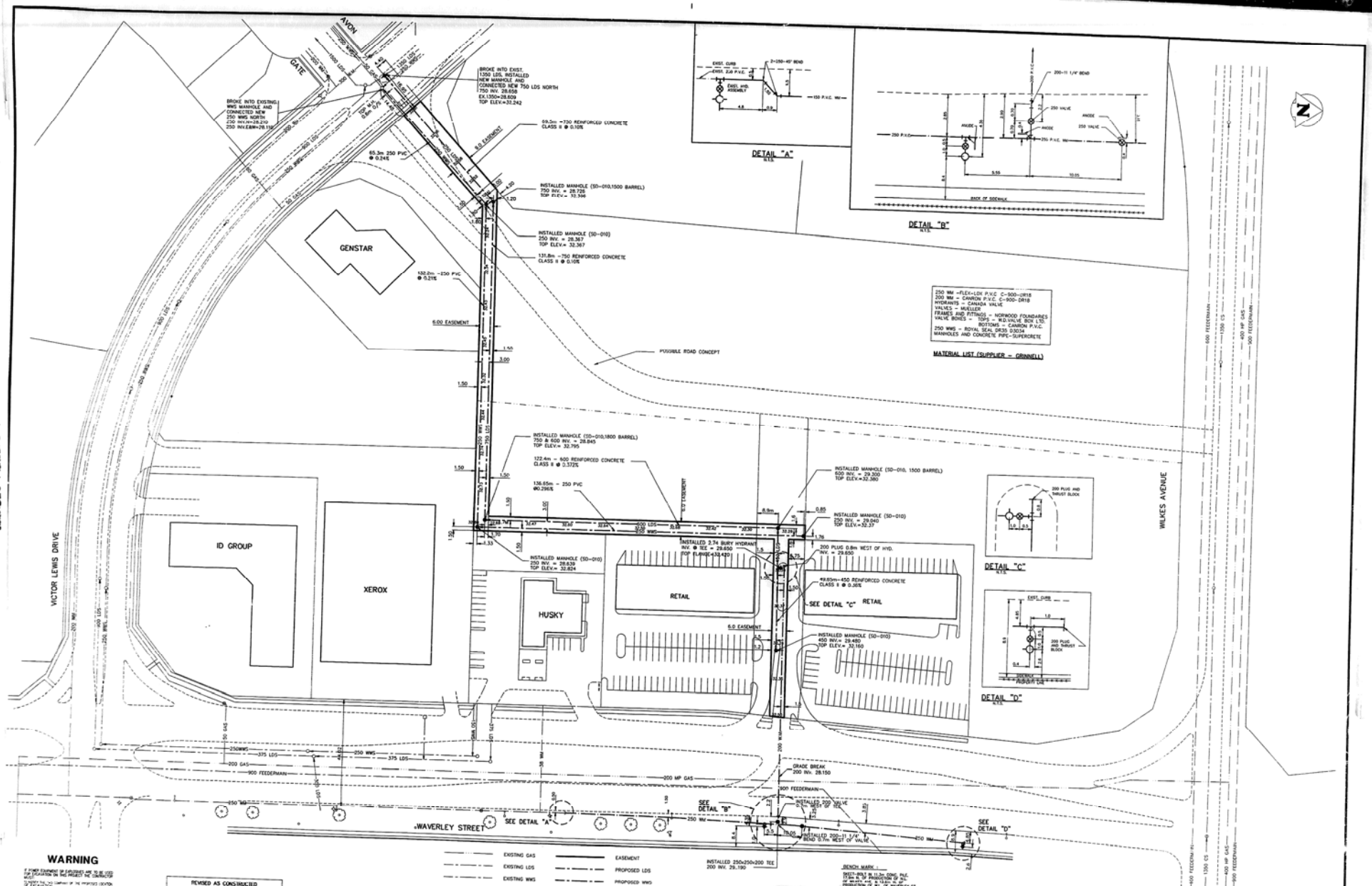
DESIGNED BY: RMB	CHECKED BY: RMB
APPROVED BY: TJP	RELEASED FOR CONSTRUCTION: DATE
CONSULTANT AND DSN NO: 5510042-C-001	
PROJECT NUMBER: 877	SHEET: 1 OF 1
RID NO.:	

1:8000 S.D.P.
UR BANGE DE 30
1:8000 S.D.P.

Rte. # Duane & MAVERLEY ST
DETAILS LINDENWOODS MALL
680-7635 • 680-8107

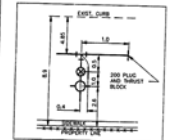
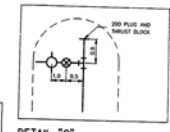
138

138



200 MW - FLEX-LOK P.V.C. C-500-2818
200 MW - CANON P.V.C. C-500-2818
FRAMES - CANADA VALVE
VALVES - MULLER
FRAMES AND FITTINGS - NOTWOOD FOUNDRIES
NOTES: 1. NO VALVE BOX 1.50
200 WPG - ROYAL SEAL DESS 50324
MANHOLES AND CONCRETE PIPE-SUPERPRETE

MATERIAL LIST (SUPPLIER - GRINNELL)



WARNING

IF THIS DRAWING IS TO BE USED FOR CONSTRUCTION OF ANY WORK, THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FROM THE APPROPRIATE AGENCIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND REGULATIONS FROM THE APPROPRIATE AGENCIES.

METRIC

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED. DIMENSIONS IN PARENTHESES ARE IN FEET AND INCHES.

REVISED AS CONSTRUCTED
DATE AUG. 27 1992 BY: [Signature]
CHECKED BY: [Signature]

---	EXISTING GAS	---	EASEMENT
---	EXISTING LOS	---	PROPOSED LOS
---	EXISTING MWG	---	PROPOSED MWG
---	EXISTING WML	---	PROPOSED WML
○	EXISTING MANHOLE	●	PROPOSED MANHOLE
○	EXISTING VALVE	●	PROPOSED VALVE
○	EXISTING HYDRANT	●	PROPOSED HYDRANT
33.26	EXISTING SPOT ELEVATION		

LOCATION APPROVED UNDERGROUND STRUCTURES

NO.	DATE	BY	FOR

IDE I.D. ENGINEERING CANADA INC.
Professional Engineers
Winnipeg, Manitoba

DESIGNED BY: K.G.M.
CHECKED BY: K.G.M.
DRAWN BY: A.M.
SCALE: 1:500
DATE: DEC. 15, 1991

REGISTERED PROFESSIONAL ENGINEER
P. ENG. MEMBER
K.G.M.
DEC. 15, 1991

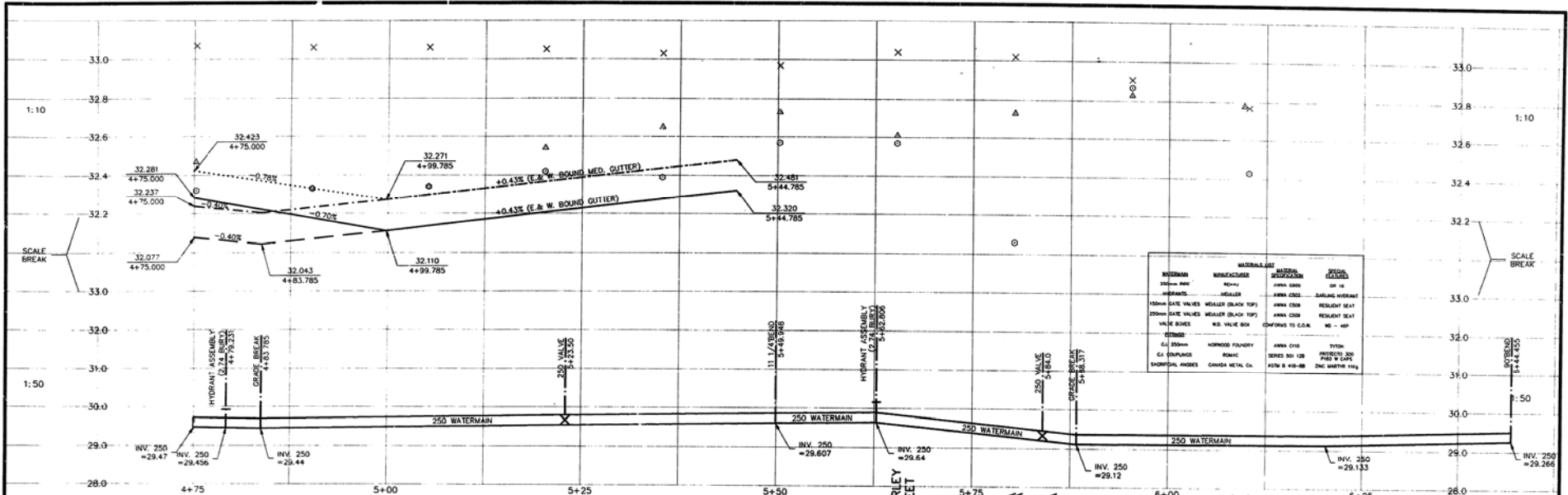
THE CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION
OPERATIONS DEPARTMENT - DISTRICT 6

SITE AND EASEMENT
LOCATION PLAN

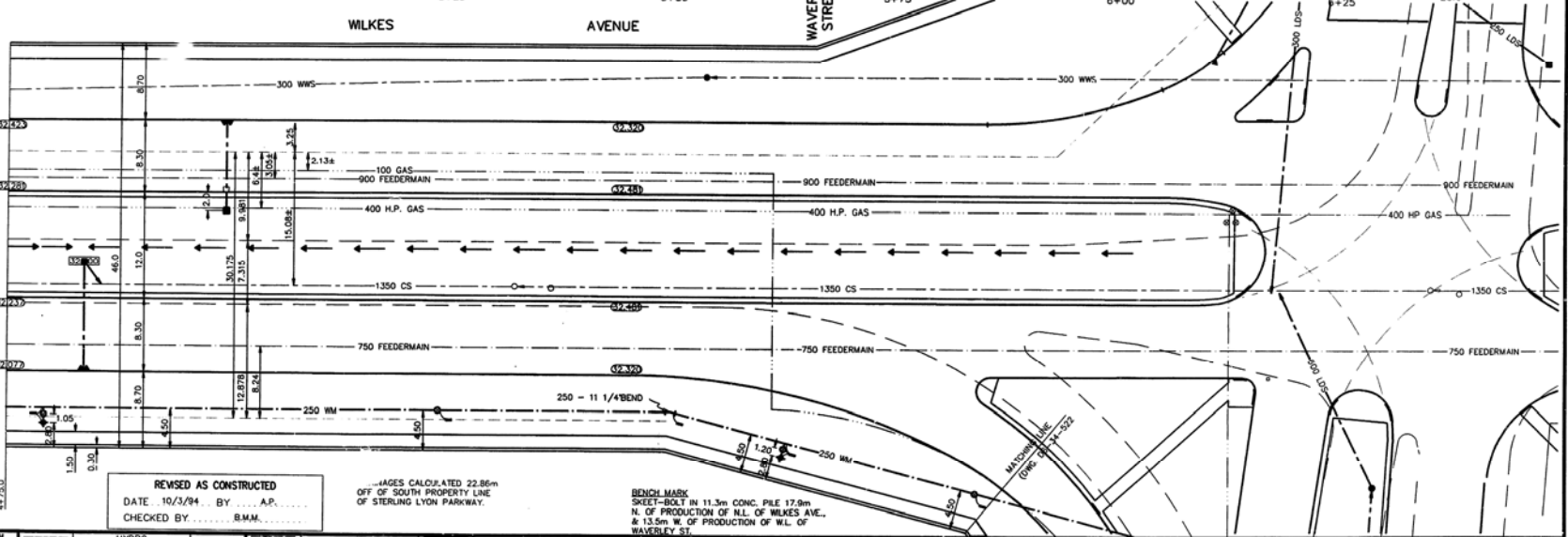
DE - 3 - 497

29x





WATERMAIN LIST	MANUFACTURE	APPROX. DATE	APPROX. DEPTH
300mm INV	ROHM	1980	0.18
250mm INV	ROHM	1980	0.18
200mm INV	ROHM	1980	0.18
150mm INV	ROHM	1980	0.18
100mm INV	ROHM	1980	0.18
75mm INV	ROHM	1980	0.18
50mm INV	ROHM	1980	0.18
300mm VALVE	ROHM	1980	0.18
250mm VALVE	ROHM	1980	0.18
200mm VALVE	ROHM	1980	0.18
150mm VALVE	ROHM	1980	0.18
100mm VALVE	ROHM	1980	0.18
75mm VALVE	ROHM	1980	0.18
50mm VALVE	ROHM	1980	0.18
300mm BOX	ROHM	1980	0.18
250mm BOX	ROHM	1980	0.18
200mm BOX	ROHM	1980	0.18
150mm BOX	ROHM	1980	0.18
100mm BOX	ROHM	1980	0.18
75mm BOX	ROHM	1980	0.18
50mm BOX	ROHM	1980	0.18



WARNING

IF POWER EQUIPMENT OR EMPLOYEES ARE TO BE USED FOR RELOCATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF RELOCATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

REVISED AS CONSTRUCTED
 DATE 10/3/94 BY ... A.P.
 CHECKED BY ... B.M.M.

BENCH MARK
 SKEET-BOLT IN 11.3m CONC. PILE 17.9m
 N. OF PRODUCTION N.L. OF WILKES AVE.
 & 13.5m W. OF PRODUCTION W.L. OF
 WAVERLEY ST.

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 MM	WATERMAIN	150 MM	HYDRANT	M.T.S.	150 MM	150 MM	WATERMAIN	150 MM
300 LGS	HYDRANT VALVE	300 LGS	CONCRETE	CONCRETE	300 LGS	300 LGS	LAND DRAINAGE SEWER	300 LGS
250 WWS	LAND DRAINAGE SEWER	250 WWS	ASPHALT	ASPHALT	250 WWS	250 WWS	WASTE WATER SEWER	250 WWS
200 WWS	WASTE WATER SEWER	200 WWS	SIDEWALK	SIDEWALK	200 WWS	200 WWS	PROPERTY LINE	200 WWS
150 WWS	MANHOLE	150 WWS	PROPERTY LINE	PROPERTY LINE	150 WWS	150 WWS	SURVEY BAR	150 WWS
100 WWS	CATCH BASIN	100 WWS	DITCH	DITCH	100 WWS	100 WWS	ELEVATION	100 WWS
75 WWS	CURB INLET	75 WWS	JUNCTIONS	JUNCTIONS	75 WWS	75 WWS	SOUTH OR WEST GUTTER	75 WWS
50 WWS	CULVERT	50 WWS	GAS	GAS	50 WWS	50 WWS	SOUTH OR EAST GUTTER	50 WWS
31.334		31.334			31.334	31.334	NORTH OR WEST DITCH	31.334
							SOUTH OR EAST DITCH	

LOCATION APPROVED UNDERGROUND STRUCTURES
 DATE
 COMMITTEE
 SUPPLY 1/2 STRUCTURES
 NOTE:
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS MADE THAT ALL UTILITIES, STRUCTURES AND POWER OR TELEPHONE LINES ARE ACCURATELY LOCATED. COOPERATION OF OWNERS AND EXACT LOCATION OF ALL UTILITIES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
2	ASBUILT COMPLETED	06/09/96	A.P.
1	REVISED 250 MM TO ASBUILT	04/04/94	A.P.

IDE I.D. ENGINEERING CANADA INC.
 Professional Engineers
 WINNIPEG, MANITOBA

DESIGNED BY D.J.S.
 CHECKED BY D.J.S.
 DRAWN BY H.P.
 APPROVED BY D.J.S.

HOR. SCALE: 1:250
 VERTICAL: AS SHOWN

RELEASED FOR CONSTRUCTION
 DATE MAY 30, 1994



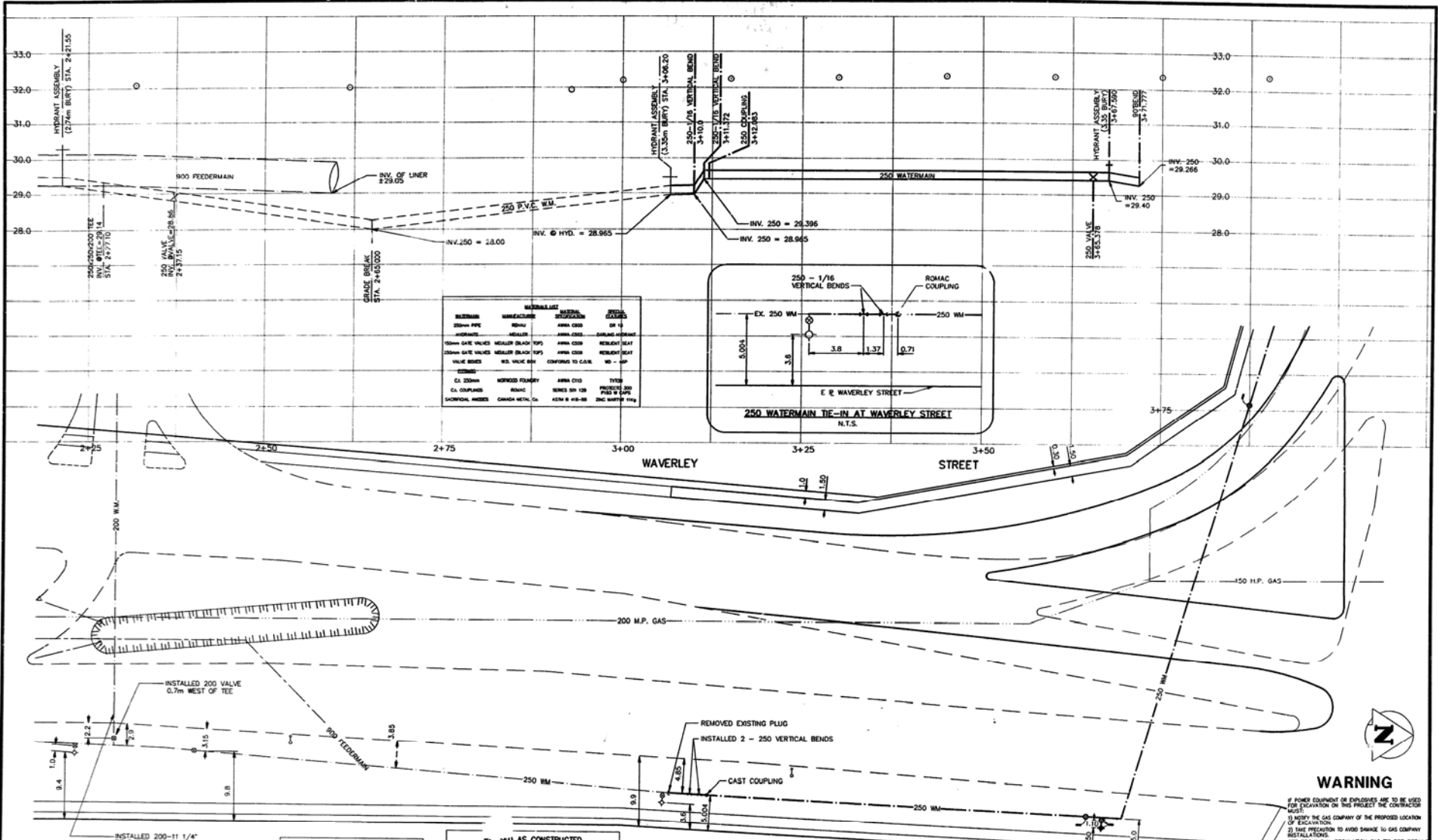
THE CITY OF WINNIPEG
 WORKS AND OPERATIONS DIVISION
 SOUTH WEST DISTRICT

WILKES AVENUE - WAVERLEY STREET
 WATERMAIN
 STA. 3+25.0 TO WAVERLEY ST.

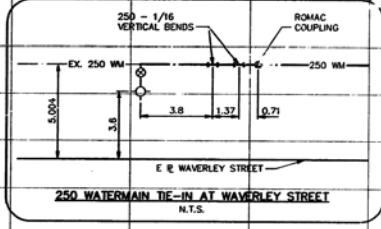
CITY DRAWING NUMBER
 SHEET 23 OF 24
 50-338C

CONSULTANT DRAWING NO.
 D6-35-522

FILE: C:\CAD\21\WINNIPG\WATERMAIN.DWG 05/02/95 4:34pm HP



ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1	250mm WATERMAIN	100.00	m
2	250mm HYDRANT VALVE	3	each
3	250mm GATE VALVE	1	each
4	250mm WASTE WATER VALVE	1	each
5	250mm CAST COUPLING	10	each
6	250mm 1/16" VERTICAL BEND	2	each
7	250mm ROMAC COUPLING	1	each
8	250mm EX. WATERMAIN	100.00	m
9	250mm HYD. VALVE	3	each
10	250mm GATE VALVE	1	each
11	250mm WASTE WATER VALVE	1	each
12	250mm CAST COUPLING	10	each
13	250mm 1/16" VERTICAL BEND	2	each
14	250mm ROMAC COUPLING	1	each
15	250mm EX. WATERMAIN	100.00	m



WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
 SEE PROVINCIAL REGULATION 210/72 FOR DETAILS



METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 MM	WATERMAIN	150 MM	HYDRO	M.T.S.	150 MM	WATERMAIN	150 MM	HYDRANT, VALVE
300 LIGS	HYDRANT VALVE	300 LIGS	CONCRETE	LAND DRAINAGE SEWER	300 LIGS	LAND DRAINAGE SEWER	300 LIGS	WASTE WATER SEWER
250 MMS	LAND DRAINAGE SEWER	250 MMS	ASPHALT	WASTE WATER SEWER	250 MMS	WASTE WATER SEWER	250 MMS	WASTE WATER SEWER
	WASTE WATER SEWER		SIDEWALK	PROPERTY LINE		PROPERTY LINE		PROPERTY LINE
	MANHOLE		SURVEY BAR	DITCH		DITCH		DITCH
	CATCH BASIN		ELEVATION			ELEVATION		ELEVATION
	CURB INLET							
	JUNCTIONS							
	CULVERT							
	GAS							

LOCATION APPROVED UNDERGROUND STRUCTURES	DATE
DATE: 10/4/94 BY: A.P.	
CHECKED BY: B.M.M.	

Sheet - Built in 11.3m Conc. Pile, 17.0m N. of production of M.L. of Wilkes Ave. @ 13.5m N. of production of W.L. of Waverley St.

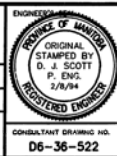
IDE
 I.D. ENGINEERING CANADA INC.
 Professional Engineers
 WILKES, MANITOBA

DESIGNED BY: D.J.S.
 CHECKED BY: D.J.S.
 DRAWN BY: H.P.
 APPROVED BY: D.J.S.

HOR. SCALE: 1:250
 VERTICAL: 1:50

RELEASED FOR CONSTRUCTION: DATE

DATE: MARCH 27, 1994



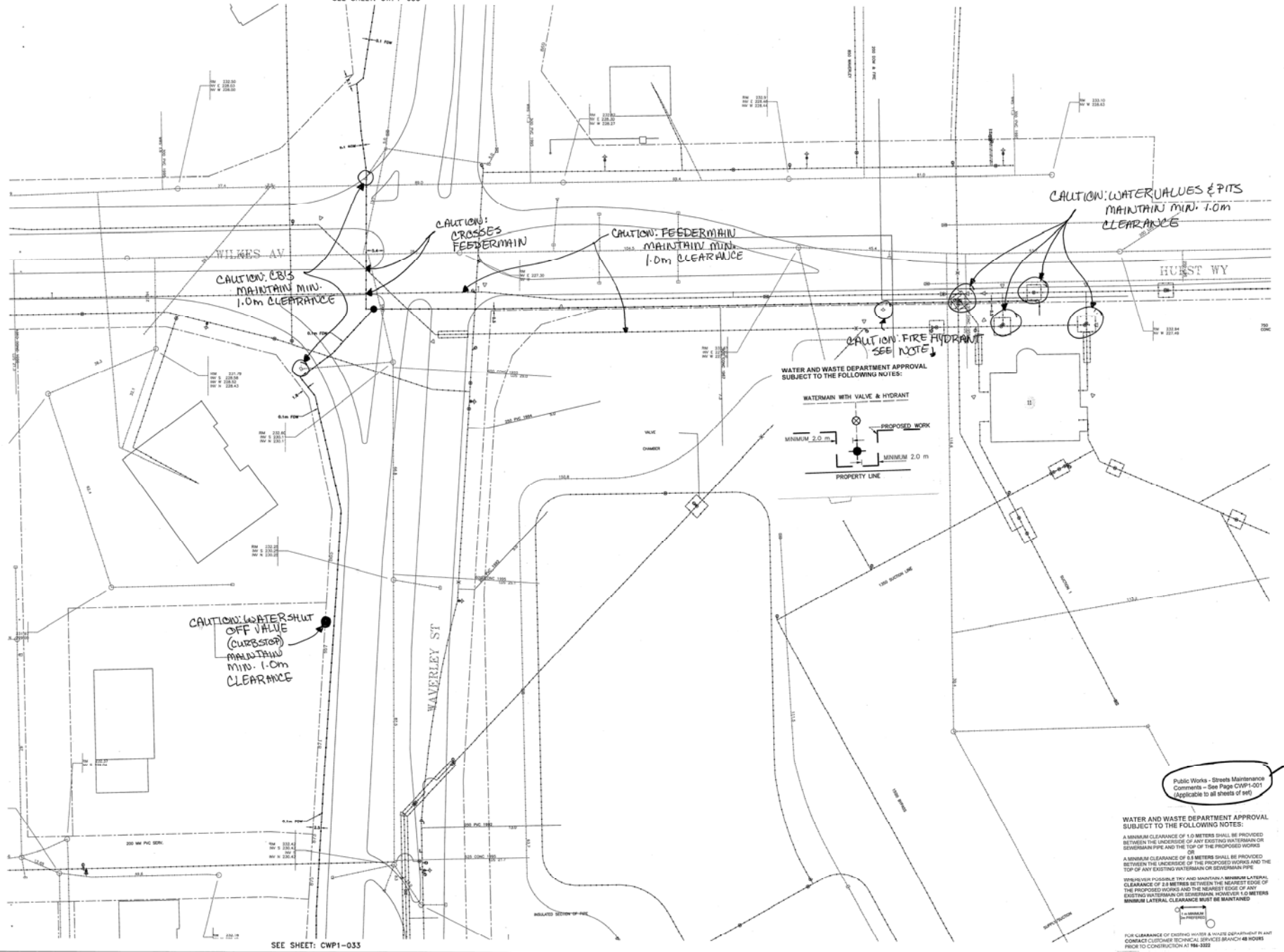
THE CITY OF WINNIPEG
 WORKS AND OPERATIONS DIVISION
 SOUTH WEST DISTRICT

WAVERLEY - WILKES
 WATERMAIN
 FROM STA. 3+07.20 TO STA. 3+71.8

CITY DRAWING NUMBER: SW-3272
 SHEET 24 OF 24

FILE: C:\CAD\2\WINNIPEG\ASST\WML.DWG 05/03/95 09:17am HP

SEE SHEET: CWP1-035



SEE SHEET: CWP1-033



Title:
 City of Winnipeg VIF Network
 DWG By: WSE
 DSN BY: DLD
 Date: 2006-02-06
 DWG#: CWP1-034
 Rev: 00

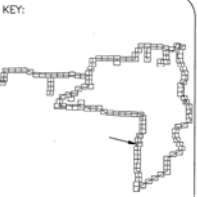


Project#: 2061

No.	Rev.	Date
00	ISSUED FOR REVIEW	06-03-20
ISSUED		

LEGEND:

LOCATIONS 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 EXISTING LOCATION AND EXACT DIMENSIONS OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.



REVIEWED FOR CONSTRUCTION

DATE	BY	INITIALS
APR 15 2006	WSE	WSE
JUN 08 2006	WSE	WSE
W. W. D. MAT 0/4 TUS		

APPROVALS FOR CONSTRUCTION:
 SUPERVISOR: [Signature]
 DATE: [Signature]

Public Works - Streets Maintenance Comments - See Page CWP1-001 (Applicable to all sheets of set)

WATER AND WASTE DEPARTMENT APPROVAL SUBJECT TO THE FOLLOWING NOTES:
 A MINIMUM CLEARANCE OF 1.0 METERS SHALL BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EXISTING WATERMAIN OR SEWERMAIN PIPE AND THE TOP OF THE PROPOSED WORKS OR
 A MINIMUM CLEARANCE OF 0.4 METERS SHALL BE PROVIDED BETWEEN THE UNDERSIDE OF THE PROPOSED WORKS AND THE TOP OF ANY EXISTING WATERMAIN OR SEWERMAIN PIPE.
 WHEREVER POSSIBLE TRY AND MAINTAIN A MINIMUM LATERAL CLEARANCE OF 2.0 METERS BETWEEN THE NEAREST EDGE OF THE PROPOSED WORKS AND THE NEAREST EDGE OF ANY EXISTING WATERMAIN OR SEWERMAIN. HOWEVER, 1.0 METERS MINIMUM LATERAL CLEARANCE MUST BE MAINTAINED.

FOR CLEARANCE OF EXISTING WATER & WASTE DEPARTMENT BY ANT CONTACT CUSTOMER TECHNICAL SERVICES BRANCH 48 HOURS PRIOR TO CONSTRUCTION AT 784-3322

