



WATERMAIN RENEWAL
SEE SHEETS 19-21

- CONSTRUCTION NOTES:**
- ISOLATE MISCELLANEOUS ITEMS IN NEW CONCRETE WORKS AS PER SD-228C.
 - ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 - LEGAL PLAN AND UNDERGROUND INFORMATION FROM CITY OF WINNIPEG LBS. CONTRACTOR TO VERIFY ALL UNDERGROUNDS IN THE FIELD.
 - CONTRACTOR TO TAKE PRECAUTIONARY STEPS TO AVOID DAMAGE FROM CONSTRUCTION ACTIVITIES TO TREES WITHIN THE LIMITS OF CONSTRUCTION.
 - LOCATION OF EXISTING SERVICES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.
 - INSTALL CB LEADS AT MIN. 1.0% SLOPE OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
 - CONTRACTOR TO CONFIRM EXISTING LEAD INVERT ELEVATIONS PRIOR TO INSTALLATION.
 - ALL DIMENSIONS ARE TO BACK OF CURB.
 - LIMITS OF CURB AND SIDEWALK RECONSTRUCTION TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
 - ADJUST ALL WATER VALVES, MANHOLES, CATCH BASINS, CATCH PITS AND WATER SHUT OFF VALVES TO GRADE.
 - ALL PRIVATE WALKWAYS TO BE ADJUSTED TO NEW SIDEWALK OR TOP OF CURB ELEVATION, AS REQUIRED.
 - STREET LIGHT STANDARDS, HYDRO POLES AND ANCHORS THAT REQUIRE TEMPORARY SUPPORT, REMOVAL OR REPLACEMENT, ARE TO BE DONE AT THE EXPENSE OF THE CONTRACTOR, AS NECESSARY.
 - INSTALL 6 m of 150 mm SUBDRAIN TO CATCH BASINS IN BOTH DIRECTIONS PARALLEL TO ROADWAY AS PER SD-245 AND CAP ENDS.
 - ALL SERVICES NEED TO BE INSULATED. ADDITIONALLY, ALL CATCH BASINS, MANHOLES AND LEAD PIPES LOCATED WITHIN 2.0 m OF A RESIDENTIAL SERVICE MUST BE INSULATED TO PROTECT THE SERVICE FROM POTENTIAL FUTURE FREEZING.

SYMBOLS LEGEND

REMOVALS / RELOCATES	Red pentagon
REMOVALS / RELOCATES (BY OTHERS)	Blue pentagon
ADJUSTMENTS	Green circle
ADJUSTMENTS (BY OTHERS)	Orange circle
ABANDON	Purple square

ABBREVIATIONS:

CONC	CONCRETE	HYDRO	HYDRO MANHOLE
ASP	ASPHALT	TYP	TELEPHONE MANHOLE
EX	EXISTING	WATER	TRAFFIC SIGNAL SPLICE PIT
MH	MANHOLE	WV	WATER VALVE
WV	WATER VALVE	EL	HYDRANT
EL	ELEVATION	CB	CURB STOP
CB	CATCH BASIN	CP	CATCH PIT
CP	CATCH PIT	CI	HYDRO POLE
CI	CURB INLET	CL	HYDRO POLE WITH LIGHT
CL	CONTROL LINE		LIGHT STANDARD

SYMBOLS:

Circle with cross	HYDRO MANHOLE
Circle with dot	TELEPHONE MANHOLE
Circle with X	TRAFFIC SIGNAL SPLICE PIT
Circle with vertical line	WATER VALVE
Circle with horizontal line	HYDRANT
Circle with diagonal line	CURB STOP
Circle with triangle	GAS VALVE
Circle with square	HYDRO POLE
Circle with diamond	HYDRO POLE WITH LIGHT
Circle with star	LIGHT STANDARD
Circle with plus	TRAFFIC SIGNAL
Circle with asterisk	SIGNAL CONTROL BOX
Circle with hash	BELLMTS PEDESTAL
Circle with circle	TREE
Circle with square	IRON PROPERTY BAR
Circle with triangle	HYDRO GUY ANCHOR

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
- OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

**PRELIMINARY ONLY
NOT FOR CONSTRUCTION**

**ENGINEERS
GEOSCIENTISTS
MANITOBA**

Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2022/03/09

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150 WM	300 LDS	250 WWS	HYDRO	BELLMTS	100 GAS	T.S.	S.L.	MANHOLE	CATCH BASIN	CATCH PIT	CONCRETE ROAD	ASPHALT ROAD	CONC ROAD W/ASP OVERLAY	CONCRETE SIDEWALK	ASPHALT PATH	PAVING STONES	PAVEMENT REPAIR FABRIC	ELEVATION	PROPERTY LINE	CURB RAMP	DETECTABLE TILE	C PROFILE	NORTH/WEST GUTTER	SOUTH/EAST GUTTER	NORTH/WEST MED. GUTTER	SOUTH/EAST MED. GUTTER	NORTH/WEST DITCH	SOUTH/EAST DITCH	NORTH/WEST SIDEWALK	SOUTH/EAST SIDEWALK	
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UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES	DATE

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.

B.M. ELEV.	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	HOR. SCALE	VERTICAL
	TJH/MRD	TJH	TS	TJP	1:250	1:10

DILLON CONSULTING

ENGINEER'S SEAL
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2022-03-09

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

2021 REGIONAL STREET PROGRAM
NAIRN AVENUE RECONSTRUCTION AND
WATERMAIN RENEWAL

CITY DRAWING NUMBER P-3556-09
SHEET 09 OF 21
CONSULTANT DRAWING NUMBER

MISC. PLAN-PROFILES

2022-03-09
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