

**DRAWING INDEX**

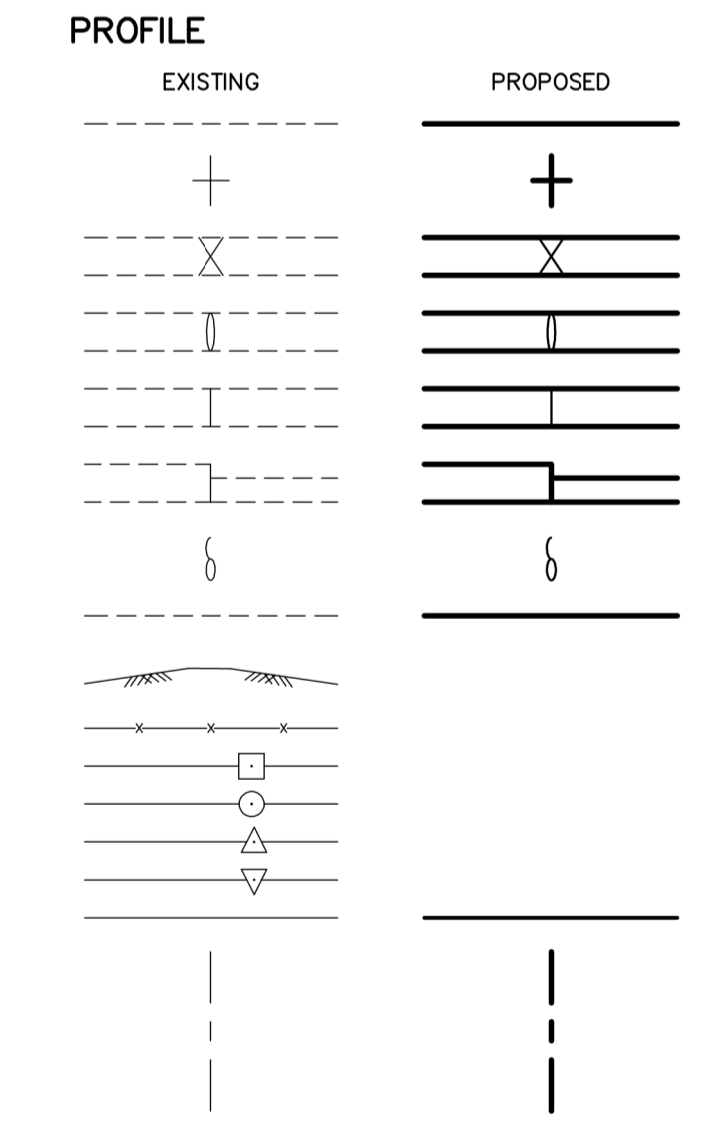
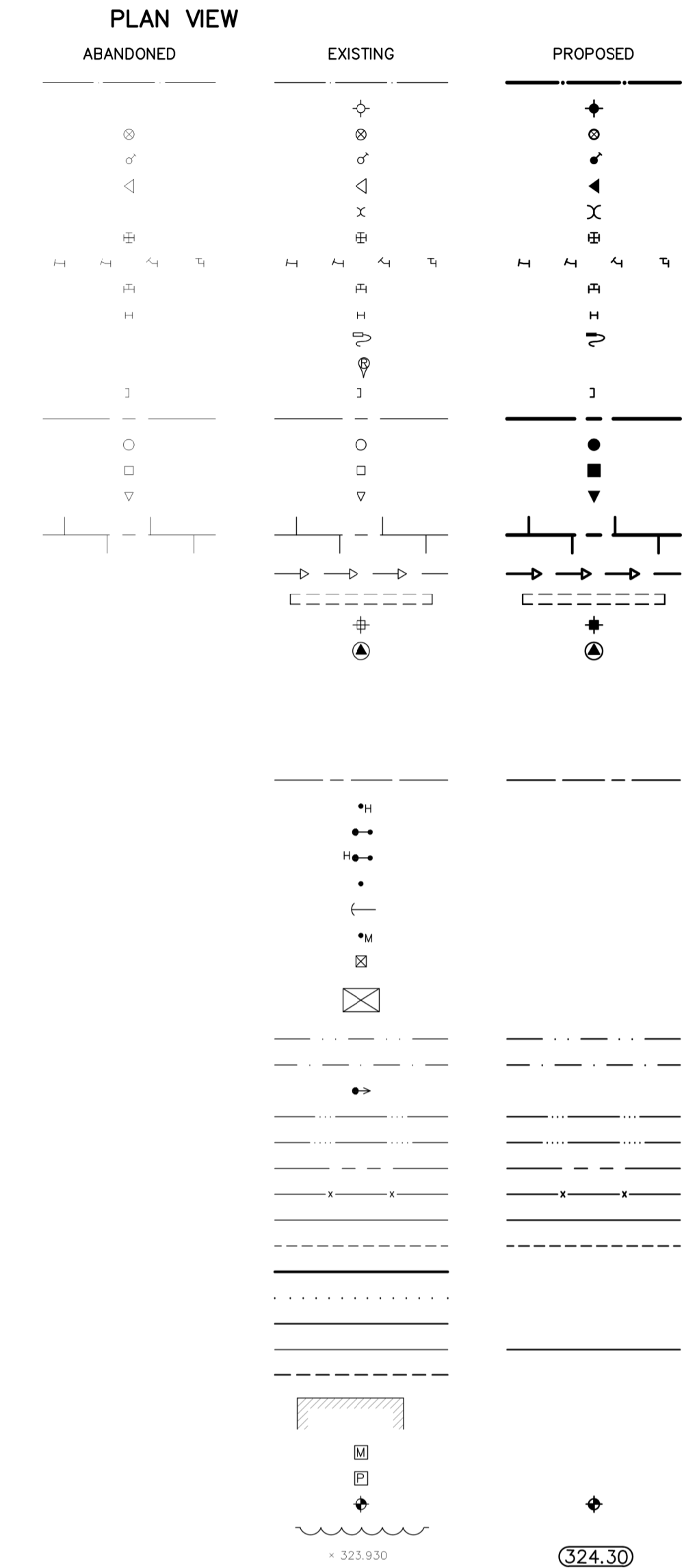
SHEET NUMBER	CITY OF WINNIPEG DRAWING NUMBER	DRAWING TITLE
1	1-0751A-D0006-001	COVER PAGE
2	1-0751A-D0007-001	INDEX PAGE - DRAWING INDEX, CONSTRUCTION NOTES, LEGEND & ABBREVIATIONS
<b>OUTFALL REPAIRS</b>		
3	1-0751N-C0001-001	RUE PLINGUET UNDERDRAIN OUTFALL - PLAN & PROFILE
4	1-0751N-C0002-001	RUE PLINGUET UNDERDRAIN OUTFALL - DETAILS
5	1-0751N-C0003-001	AVENUE TACHE UNDERDRAIN OUTFALL - PLAN & PROFILE
6	1-0751N-C0004-001	AVENUE TACHE UNDERDRAIN OUTFALL - DETAILS I
7	1-0751N-C0004-002	AVENUE TACHE UNDERDRAIN OUTFALL - DETAILS II
8	1-0751N-C0005-001	RUE NOTRE DAME UNDERDRAIN OUTFALL - PLAN & PROFILE
9	1-0751N-C0006-001	RUE NOTRE DAME UNDERDRAIN OUTFALL - DETAILS
<b>UNDERDRAIN REPAIRS</b>		
10	1-0751N-C0007-001	ARCHIBALD STREET UNDERDRAIN CROSS CONNECTION - PLAN & DETAILS
11	1-0751N-C0008-001	DAWSON ROAD N UNDERDRAIN CROSS CONNECTION - PLAN & PROFILE - 90m S OF MESSIER ST TO 10m N OF MESSIER ST
12	1-0751N-C0009-001	DAWSON ROAD N UNDERDRAIN CROSS CONNECTION - PLAN & PROFILE - 10m N OF MESSIER ST TO 275m S OF PLINGUET ST
13	1-0751N-C0010-001	DAWSON ROAD N UNDERDRAIN CROSS CONNECTION - DETAILS
14	1-0751N-C0011-001	DAWSON ROAD N UNDERDRAIN CROSS CONNECTION - GWWD RAIL CROSSING
15	1-0751N-C0012-001	UNDERDRAIN REPAIRS - PLAN
16	1-0751N-C0013-001	UNDERDRAIN REPAIRS - DETAILS I
17	1-0751N-C0013-002	UNDERDRAIN REPAIRS - DETAILS II

**ABBREVIATIONS**

WWS	WASTEWATER SEWER
CS	COMBINED SEWER
LDS	LAND DRAINAGE SEWER
FRM	FORCE MAIN
ℙ	PROPERTY LINE
℄	CENTER LINE
G.I.S.	GEOGRAPHIC INFORMATION SYSTEM
B.M.	BENCH MARK
TH	TEST HOLE
ELEV	ELEVATION
INV	INVERT
MIN	MINIMUM
MAX	MAXIMUM
SL	STREET LIGHTING
TS	TRAFFIC SIGNALS
ABAND	ABANDONED
BLDG	BUILDING
HSE	HOUSE
CRN	CORNER
OPP	OPPOSITE
C/S OR S/C	CURB STOP
MTS	MANITOBA TELEPHONE SYSTEM
R.O.W.	RIGHT-OF-WAY
WM	WATER MAIN
FM	FEEDER MAIN
CULV	CULVERT
MH	MANHOLE
CB	CATCH BASIN
CI	CURB INLET
VERT.	VERTICAL
HORZ.	HORIZONTAL
I.B.	IRON BAR
FIBRE	FIBRE OPTIC
TYP	TYPICAL
X-ING	CROSSING
HYD	HYDRANT
EXIST	EXISTING
N	NORTH
E	EAST
S	SOUTH
W	WEST
W/	WITH
C/W	CONSTRUCTED WITH
OC	ON CENTRE
EW	EACH WAY
CONC	CONCRETE
AC	ASBESTOS CEMENT
VC OR CLAY	VITRIFIED CLAY
CI	CAST IRON
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
RCP	REINFORCED CONCRETE PIPE
U/S	UPSTREAM
D/S	DOWNSTREAM
BOT	BOTTOM
BRI AQ	BRANCH I AQUEDUCT
SLA	SHOAL LAKE AQUEDUCT
UD	UNDERDRAIN

**LEGEND**

DESCRIPTION	ABANDONED	EXISTING	PROPOSED
WATER PIPE	---	---	---
FIRE HYDRANT	⊙	⊙	⊙
VALVE	⊙	⊙	⊙
CURB STOP	⊙	⊙	⊙
REDUCER	⊙	⊙	⊙
COUPLING OR SLIDDER	⊙	⊙	⊙
CROSS	⊙	⊙	⊙
BEND - 11.25', 22.5', 45', 90'	⊙	⊙	⊙
TEE	⊙	⊙	⊙
VERTICAL BEND	⊙	⊙	⊙
ANODE	⊙	⊙	⊙
REPAIR MARKER	⊙	⊙	⊙
PLUG	⊙	⊙	⊙
SEWER PIPE	---	---	---
MANHOLE	⊙	⊙	⊙
CATCH BASIN	⊙	⊙	⊙
CURB INLET	⊙	⊙	⊙
JUNCTION	⊙	⊙	⊙
℄ DITCH	---	---	---
CULVERT	---	---	---
SURVEY BAR	---	---	---
SURVEY MONUMENT	---	---	---
TREE - DECIDUOUS	---	---	---
TREE - CONIFEROUS	---	---	---
HYDRO	---	---	---
HYDRO POLE	---	---	---
LAMP STANDARD	---	---	---
HYDRO POLE W/STREET LIGHTING	---	---	---
POLE	---	---	---
GUY ANCHOR	---	---	---
M.T.S. POLE	---	---	---
PEDESTAL OR BOX	---	---	---
CABINET	---	---	---
M.T.S., SHAW, OR VIDEON	---	---	---
TRAFFIC SIGNALS	---	---	---
TRAFFIC LIGHT STANDARD	---	---	---
GAS	---	---	---
STEAM	---	---	---
FIBRE OPTIC	---	---	---
FENCE	---	---	---
EDGE OF PAVEMENT OR GUTTER	---	---	---
EDGE UNPAVED OR GRAVEL ROAD	---	---	---
℄	---	---	---
PROJECTED ℄	---	---	---
LOT LINE	---	---	---
SIDEWALK - PATHWAY	---	---	---
EASEMENT	---	---	---
EDGE OF BUILDING	---	---	---
MAILBOX	---	---	---
PARKING METER	---	---	---
TEST HOLE	---	---	---
TREE LINE OR BUSH	---	---	---
ELEVATION	---	---	---



**CONSTRUCTION NOTES**

- ALL MATERIALS TO CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
- EXPOSE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION TO CONFIRM DEPTH AND LOCATION. ANY CONFLICTS WITH EXISTING UNDERGROUND UTILITIES SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION.
- CONTRACTOR TO SUBMIT DETAILED CONSTRUCTION SEQUENCING AND PROCEDURE PLAN AS PER SPECIFICATIONS.
- ALL WORK IN CLOSE PROXIMITY TO THE BRANCH I AQUEDUCT SHALL BE COMPLETED WITH AN ABUNDANCE OF CAUTION AND IN ACCORDANCE WITH THE SPECIFICATIONS.
- SUBMIT EROSION AND SEDIMENT CONTROL, WATER MANAGEMENT, AND ACCESS/LAYDOWN PLANS AS PER SPECIFICATIONS. CONSTRUCTION SHALL NOT COMMENCE UNTIL EACH PLAN HAS BEEN REVIEWED AND CONFIRMED TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT.
- REFER TO TREE PROTECTION, REMOVALS, AND LAYDOWN ACCESS NOTES. COMPLETE WORK IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS.
- THE UNDERDRAIN MAY BE SURCHARGED DUE TO ISSUES WITH THE EXISTING OUTFALLS. THE CONTRACTOR IS RESPONSIBLE FOR DEWATERING THE UNDERDRAIN AND BYPASS PUMPING ALL UNDERDRAIN FLOWS THROUGH THE COURSE OF THE WORK. UNDERDRAIN FLOWS MAY BE PUMPED TO ADJACENT WWS, CS, LDS OR THE ENVIRONMENT. PRIOR TO DISCHARGING TO AN LDS OR THE ENVIRONMENT, THE CONTRACTOR SHALL TEST FOR THE PRESENCE OF CHLORINE. IF PRESENT, FLOWS SHALL BE DIRECTED TO A WWS OR CS.
- WORK NEAR RIVERBANKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATIONS AND ASSOCIATED CITY OF WINNIPEG WATERWAYS PERMITS.

**HATCH PATTERNS**

EXISTING	PROPOSED	DESCRIPTION
		EARTH OR GROUND ABOVE PIPE
		SAND OR OTHER FINE MATERIAL
		CONCRETE
		WASHED STONE OR GRANULAR MATERIAL
		INTERLOCKING STONE
		METAL
		GRAVEL OR STONE



**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES  
UNLESS OTHERWISE NOTED

<p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE DATE</p> <p>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.</p>	<p>VERTICAL DATUM: CGVD28 (HT2.0 Geoid)</p> <p>HORIZONTAL DATUM: NAD83 (June 1990), Zone 14</p>		<p>ENGINEER'S SEAL</p>	<p><b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT ENGINEERING SERVICES DIVISION</p> <p>BRANCH I AQUEDUCT UNDERDRAIN OUTFALL REPAIRS <b>INDEX PAGE</b> DRAWING INDEX, CONSTRUCTION NOTES, LEGEND &amp; ABBREVIATIONS</p>	<p>SHEET 2 OF 17</p> <p>CITY DRAWING NUMBER 1-0751A-D0007-001</p>
<p>DESIGNED BY: ADB</p> <p>CHECKED BY: JF</p> <p>DRAWN BY: DML</p> <p>APPROVED BY: ADB</p> <p>SCALE: HORIZONTAL</p> <p>RELEASED FOR CONSTRUCTION: JESSICA McCOMBE, P. Eng.</p> <p>DATE: SEPTEMBER 23, 2024</p>	<p>ISSUED FOR CONSTRUCTION: 2024/09/23 ADB</p> <p>NO. REVISIONS: YYYY/MM/DD BY DATE</p>	<p>DATE: SEPTEMBER 23, 2024</p>	<p>CONSULTANT DRAWING NUMBER</p>	<p>TENDER NUMBER: 694-2024 CONTRACT NUMBER: N/A</p>	<p>FILE PATH: X:\Proj\2023\230393399-branch 1 aqeduct underdrain outfall\09_cad\07_sheets\2_detailed design\ FILE NAME: 2_INDEX_PAGE.dwg</p>