USE THE 'DRAWING INDEX' TEMPLATE DRAWING TO

INDEX DRAWING NUMBERS IF A CONTRACT HAS TOO MANY SHEETS TO BE INDEXED ON THIS PAGE

--- ARIAL (250 = 3.2 , 500 = 6.4 ) --

## THE REGIONAL MUNICIPALITY OF DURHAM

ARIAL (250 = 5.5, 500 = 11.0) -

WORKS DEPARTMENT

ROAD NAME (REGIONAL ROAD XX)

ROAD, SANITARY SEWER AND WATERMAIN CONSTRUCTION

CITY OF XXXX

CONTRACT NO. D20XX-XX

RomanS ( 250 = 1.30 , 500 = 2.60 ) — PROJECÍ RomanS ( 250 = 1.10 , 500 = 2.20 ) RECONSTRUCTION OF RITSON ROAD (REG. RD. 16) FROM 50 m SOUTH OF ST. ELOI AVENUE TO RICHMOND STREET CONSTRUCTION OF A 375 mm VITRIFIED CLAY SANITARY SEWER ON RITSON ROAD (REG RD. 16) FROM EULALIE AVENUE TO KING STREET

CONSTRUCTION OF A 200 mm PVC SANITARY SEWER ON RITSON ROAD (REG RD. 16) FROM ST. ELOI AVENUE TO EULALIE AVENUE.

ARIAL ( 250 = 4.25, 500 = 8.5

## **WATERMAINS:**

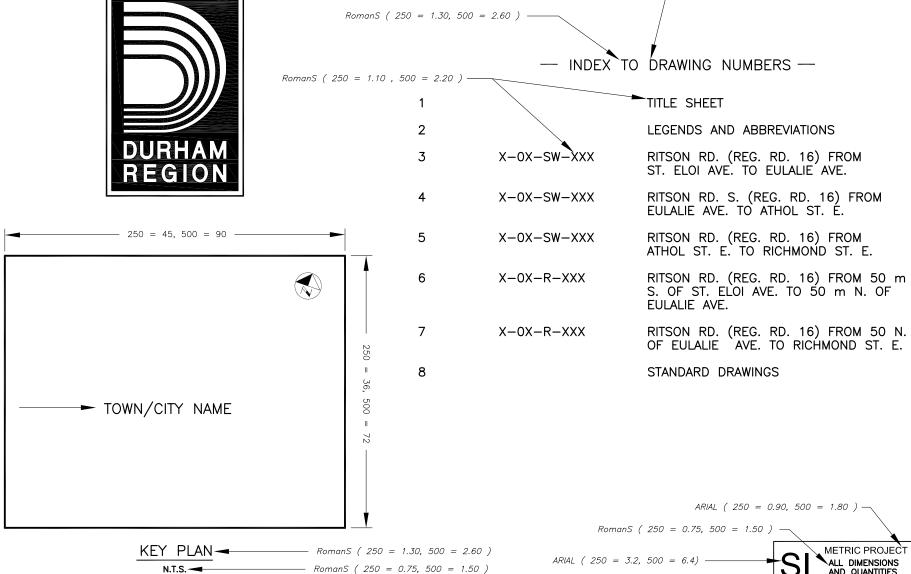
ROADWORKS:

SANITARY SEWERS:

CONSTRUCTION OF A 300 mm PVC WATERMAIN ON RITSON ROAD (REG. RD. 16) FROM ST. ELOI AVENUE TO RICHMOND STREET

RomanS ( 250 = 1.30, 500 = 2.60 )

SHEET SIZE A1 (594 mm X 841 mm)



SHEET 1 OF

RomanS ( 250 = 0.90, 500 = 1.80 )

— RomanS ( 250 = 0.90, 500 = 1.80 ) — RomanS ( 250 = 1.30, 500 = 2.60 ) — FONT ( SCALE = HEIGHT, SCALE = HEIGHT ) SHEET DRAWING No. DRAWING No. DESCRIPTION DESCRIPTION No. No. TITLE SHEET 1 NO. DATE NAME DRAWN: X. X
DESIGN: X. X
CHECKED: X. X
APPROVED: X. X DATE: 2011 02 DATE: 2011 02 DATE: 2011 03 DATE: 2011 03 THE REGIONAL MUNICIPALITY OF DURHAM WORKS DEPARTMENT ONTARIO DRAWING INDEX CONCESSION REG. RD. NO. AREA MUNICIPALITY CITY OF XXXX CONTRACT NUMBER DRAWING NUMBER SHEET NUMBER D20XX-XX X OF X

**ABBREVIATIONS LEGEND** LEGEND PROP 200mm SAN SEWER PROP 75 mm TC ALUMINUM MAINTENANCE HOLE SANITARY SEWER & SIZE - PROPOSED TRAFFIC CONDUIT (TC) & SIZE - PROPOSED APARTMENT MAXIMUM ASBESTOS CEMENT MECHANICAL JOINT SANITARY SEWER, SIZE & MATERIAL - EXISTING TRAFFIC CONDUIT - EXISTING \_\_\_\_\_\_200mm AC SAN -\_\_\_\_\_ TC \_\_\_\_ TC \_\_\_\_ TC \_\_\_\_ TC \_\_\_\_ ASPHALT MEGAPASCAL PROP 250mm FORCEMAIN SANITARY FORCEMAIN & SIZE - PROPOSED AT METRE AVENUE SQUARE METRE SANITARY FORCEMAIN, SIZE & MATERIAL - EXISTING TRAFFIC SIGNAL CABLE, AERIAL - EXISTING 250mm PVC FM----- CUBIC METRE ● PROP SAN MH 2-25 BEDDING SANITARY MAINTENANCE HOLE & LABEL - PROPOSED GROUND ELECTRODE, PLATE OR ROD - PROPOSED MILLIMETRE - BELL POLE MINIMUM SAN MH 2-25 GROUND ELECTRODE, PLATE OR ROD - EXISTING SANITARY MAINTENANCE HOLE & LABEL - EXISTING BENCH MARK BOULEVARD NORTH VEHICLE LOOP DETECTOR PROP 200mm STM SEWER BRICK NOT TO SCALE STORM SEWER & SIZE - PROPOSED BUILDING NUMBER TRAFFIC SIGNAL CONTROLLER AND FOOTING - PROP OR RELOCATED STORM SEWER & SIZE - EXISTING BUTTERFLY VALVE 200mm CONC STM ──► TRAFFIC SIGNAL CONTROLLER AND FOOTING - EXISTING OUTSIDE DIAMETER SUB-DRAINAGE PIPE - PROPOSED CANADIAN STANDARDS ASSOCIATION ELECTRICAL HANDHOLE, PRECAST CONCRETE 675mm DIA - PROPOSED STORM MAINTENANCE HOLE, COVER LOCATION & LABEL - PROPOSED ID OF STRUCTURE-PROP MH 34-23 CAST IRON PAVEMENT CATCH BASIN PERCENTAGE ELECTRICAL HANDHOLE, PRECAST CONCRETE 675mm DIA - EXISTING STORM MAINTENANCE HOLE, & LABEL - EXISTING ( ) STM MH 34-23 CATCH BASIN MAINTENANCE HOLE PERMANENT TURNING POINT ELECTRICAL HANDHOLE, NON CONCRETE 450mm DIA - PROPOSED CENTRE LINE POINT OF INTERSECTION PROP CBMH 5-9 CATCH BASIN MAINTENANCE HOLE, COVER LOCATION & LABEL - PROPOSED CENTRE TO CENTRE POLYETHYLENE ELECTRICAL HANDHOLE, NON CONCRETE 450mm DIA - EXISTING CHECK VALVE POLYVINYL CHLORIDE CATCH BASIN MAINTENANCE HOLE & LABEL - EXISTING ○ CBMH 5-9 CLASS PROPERTY LINE ELECTRICAL HANDHOLE, NON CONCRETE 370mm DIA - PROPOSED CONCRETE PROPOSED CATCH BASIN & LABEL - PROPOSED CONC ■ PROP CB 24-22 ELECTRICAL HANDHOLE, NON CONCRETE 370mm DIA - EXISTING CONCRETE MORTAR LINED CATCH BASIN & LABEL - EXISTING CONCRETE PRESSURE PIPE REINFORCED ELECTRICAL HANDHOLE, NON CONCRETE RECTANGULAR - PROPOSED CONN CONNECTION REINFORCED CONCRETE DOUBLE CATCH BASIN & LABEL - PROPOSED PROP DCB 2-9 CONTROL POINT RESTAURANT ELECTRICAL HANDHOLE, NON CONCRETE RECTANGULAR - EXISTING CORRUGATED STEEL PIPE RIGHT—OF—WAY DOUBLE CATCH BASIN & LABEL - EXISTING ROW ⊡ DCB 2-9 SUPPLY CONTROL CABINET - PROPOSED CRESCENT ROAD DITCH - PROPOSED CUBIC SUPPLY CONTROL CABINET - EXISTING CULVERT 375mm CSP CULV - INTERNATIONAL SYSTEM OF UNITS DITCH & CULVERT, SIZE - EXISTING SANITARY COMMUNICATION PED DEPARTMENT SEPTIC TANK PROP 300mm WM TRAFFIC SIGN & FLASHING BEACON - PROPOSED WATERMAIN & SIZE - PROPOSED DIAMETER SERVICE CONNECTION DITCH INLET CATCH BASIN SHOULDER WATERMAIN, SIZE & MATERIAL - EXISTING TRAFFIC SIGN & FLASHING BEACON — EXISTING \_\_\_\_\_\_300mm DI WM \_\_\_\_ DOUBLE CATCH BASIN SIDEWALK DRAWING SQ SQUARE ♦ PROP 300mm GV WATERMAIN VALVE & LABEL- PROPOSED TRAFFIC SIGN - PROPOSED DRIVEWAY STANDARD IRON BAR TRAFFIC SIGN - EXISTING DUCTILE IRON SS STAINLESS STEEL WATERMAIN VALVE & LABEL - EXISTING STANDARD PROP HYD LUMINAIRE - PROPOSED HYDRANT, VALVE & LABEL - PROPOSED EAST STATION EDGE OF PAVEMENT STONE OR SOUTH LUMINAIRE - EXISTING ELEVATION STORM HYDRANT, VALVE & LABEL - EXISTING Y HYD C109 POST TOP LUMINAIRE - EXISTING ENTRANCE STOREY STY WATER SERVICE VALVE OR CURB STOP - EXISTING EDGE OF SHOULDER STREET PEDESTRIAN PUSH BUTTON EXISTING SURFACE TREATED EX S TR REDUCER - PROPOSED ► PROP REDUCER PRE-EMPTION DETECTOR - PROPOSED TRANSITION COUPLING - PROPOSED = PROP TRAN COUPLING FACTORY TANGENT PRE-EMPTION DETECTOR - EXISTING FORCEMAIN PLUG - WATER, SEWER OR FORCEMAIN ] PROP PLUG TELEVISION CABLE FRAME SIGNAL HEAD WITH BACKBOARD, MAST ARM & MAST ARM SIGN THRUST BLOCK WELL (WATER) DOTS (6.00) (45°) TOWNSHIP GALVANIZED SIGNAL HEAD WITH BACKBOARD TC TRAFFIC CONDUIT GAR GARAGE ANSI31 (4.25) (90°)-- TRAFFIC LIGHT POLE SIGNAL HEAD WITH BACKBOARD & SPANWIRE  $\mathsf{G}\mathsf{-HP}$  GAS—HIGH PRESSURE PAVEMENT - PROPOSED TRAFFIC SIGN GAS VALVE OR GATE VALVE TRANS (4.25) (45°) — PEDESTRIAN SIGNAL HEAD WITH MOUNTING BRACKET PAVEMENT REMOVAL - FULL DEPTH TRANSFORMER GEODETIC BENCHMARK TYPICAL AR-CONC (0.25) (0°)  $\overline{\phantom{a}}$ GRAN GRANULAR PAVEMENT REMOVAL - PARTIAL DEPTH - TYTON JOINT GRAVEL OR GRADE CONCRETE SIDEWALK - PROPOSED 4 GUY POLE V CH VALVE CHAMBER SIDEWALK & TYPE - EXISTING CONC S/W VERTICAL HANDHOLE VERTICAL POINT OF INTERSECTION VPI GRAVEL (1.30) (15°) — HIGH WATER LEVEL GRAVEL AREA GRAVEL FENCE, POST & WIRE AND GATE VITRIFIED CLAY HIGHWAY DOTS (6.00) (45°) -RIP RAP & GABION BASKETS HORIZ HORIZONTAL FENCE, CHAIN LINK AND GATE ANSI31 (4.25) (90°) WATER LEVEL HOUSE PULVERIZING - EXISTING ASPHALT FENCE, STOCK AND GATE WATERMAIN HUB ON TANGENT CGR OR SBGR WATER POLLUTION CONTROL PLANT HYDRANT GUIDE RAIL WATER SERVICE HYDRO LIGHT POLE CABLE - UNDERGROUND —(SERVICE PROVIDER)— WATER SUPPLY PLANT HYDRO POLE **RAILWAY** WATER VALVE CONDUIT - UNDERGROUND -(SERVICE PROVIDER)/C-□ SIB o RIB ⊡ IB IRON BAR - SQUARE & ROUND WEST INSIDE DIAMETER SPECIAL LINES (RAILROAD) -CABLE - AERIAL -(SERVICE PROVIDER)/A-DIST. BETWEEN TIES = 11.43 INVERT (SERVICE PROVIDER) MH BOREHOLE & NUMBER ⊕ BH 23 WIDTH OF RAILS = 5.08SERVICE PROVIDERS IRON BAR MAINTENANCE HOLE NO 30 NO 30 IRON PIPE BASEMENT ELEVATION & MUNICIPAL ADDRESS BELL BELL & TELEVISION CABLE PEDESTAL OR MARKER □ B PED TV PED ROGERS BUILDING - ACTUAL LOCATION & MUNICIPAL ADDRESS KILOGRAM NO 30 TELEVISION CABLE - UNDERGROUND —TV (SERVICE PROVIDER)— HYDRO KILOPASCAL BUILDING - WHEN LOCATED OUTSIDE DRAWING LIMITS × <u>В</u> 24.5 NO 30 – ENBRIDGE (GAS) FIBRE OPTIC CABLE - UNDERGROUND -FOC (SERVICE PROVIDER)- LIGHT STANDARD DISTANCE FROM SURVEY B --250mm PE G-HP----GAS MAIN, SIZE, MATERIAL, VALVE & PRESSURE DESIGNATION LOW WATER LEVEL DRAWN: DATE: DESIGN: DATE: **LEGEND** STEEL POLE - PROPOSED CHECKED: DATE: APPROVED: DATE: STEEL POLE - EXISTING ANSI31 (4.25) (0°) — SLOPE IN PLAN CONCRETE POLE - EXISTING THE REGIONAL MUNICIPALITY CL&GB (1.00) (0°)— **CLEARING** WOOD UTILITY POLE - PROPOSED OF DURHAM SPECIAL LINES (TREE LINE) — DASH (3.50) (135°) — WIDTH OF ARC = 1 CLEARING & GRUBBING WOOD UTILITY POLE - EXISTING WORKS DEPARTMENT ..... HEIGHT OF ARC = 0.25URHAM GRUBBING OVERLAP OF ARC = 0.1REGION FRANGIBLE BASE POLE - PROPOSED ONTARIO TREE SIZES ONLY IF NECESSARY TREE, SIZE - DECIDUOUS & CONIFEROUS FRANGIBLE BASE POLE - EXISTING **HEDGE** LARGER THAN 0.5m LEGEND AND ABBREVIATIONS GUY POLE - EXISTING **←** SPECIAL LINES (TREE LINE) -TREE LINE OR BUSH WIDTH OF ARC = 2 DASH (2.50) (0°)-HEIGHT OF ARC = 0.5

OVERLAP OF ARC = 0.2

**SWAMP** 

WATERCOURSE & DIRECTION OF FLOW

CONTRACT NUMBER

D20XX-XX

AREA MUNICIPALITY

CITY OF XXX

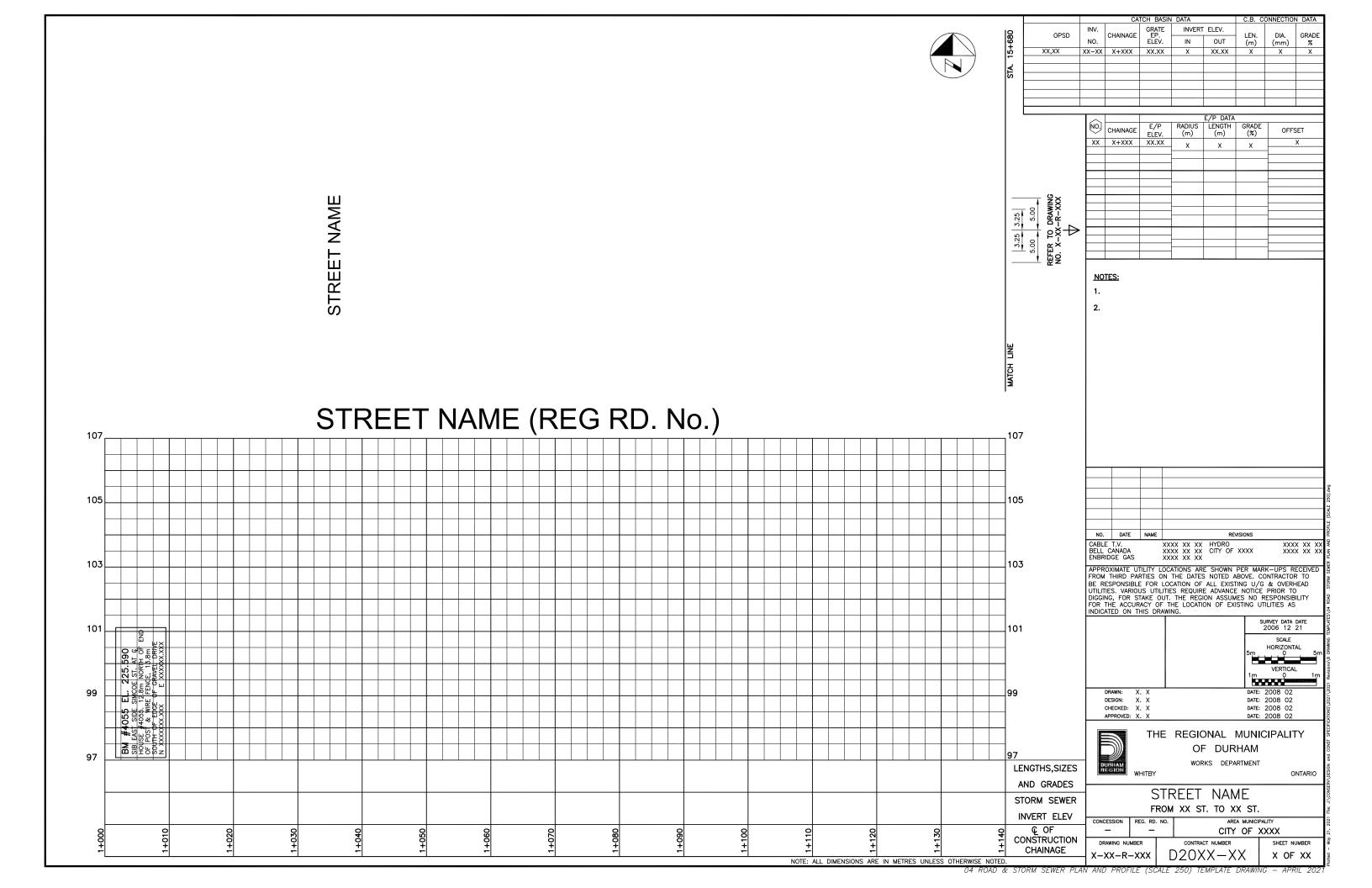
SHEET NUMBER

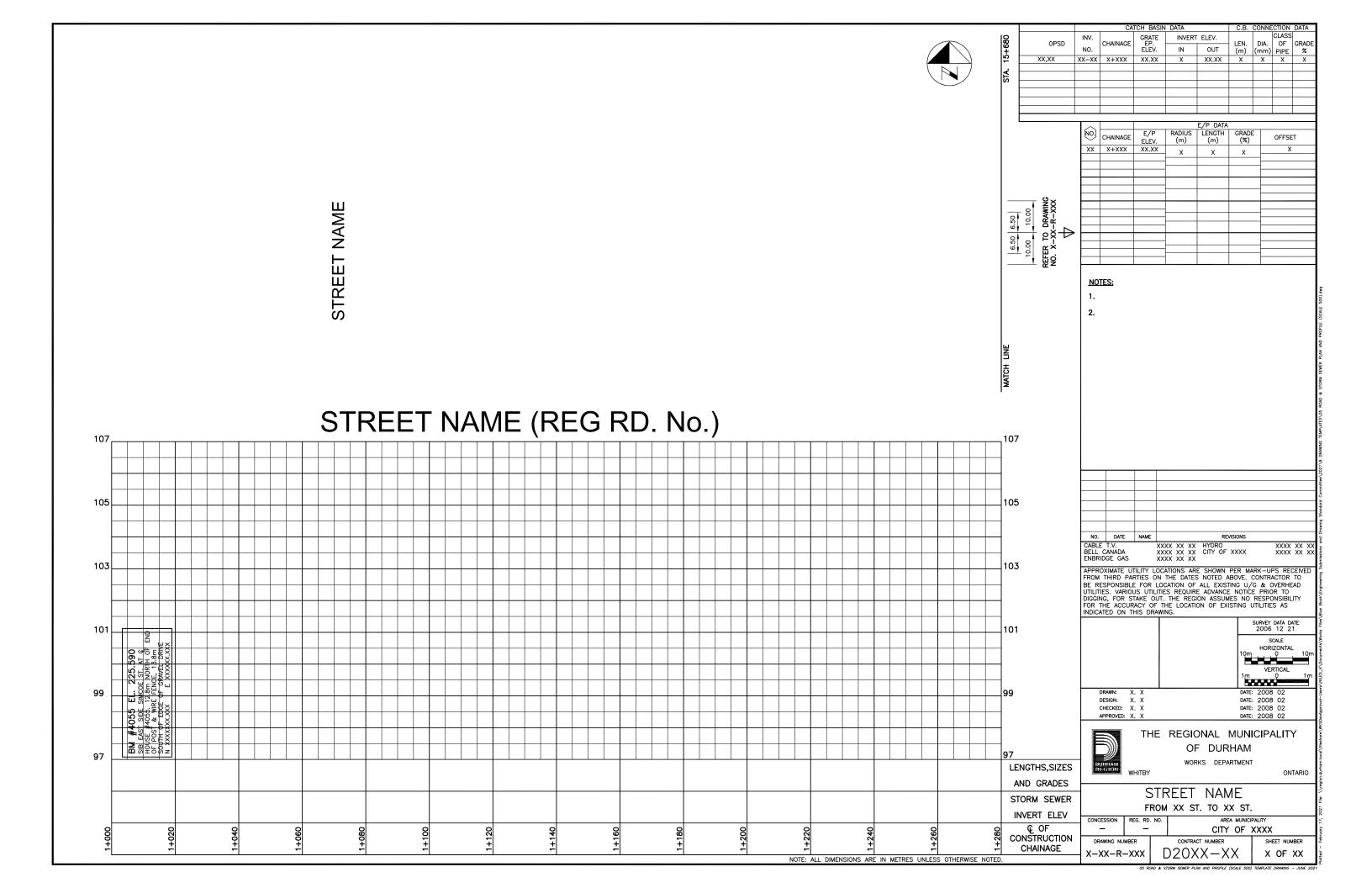
3 OF -

CONCESSION

DRAWING NUMBER

REG. RD. NO.



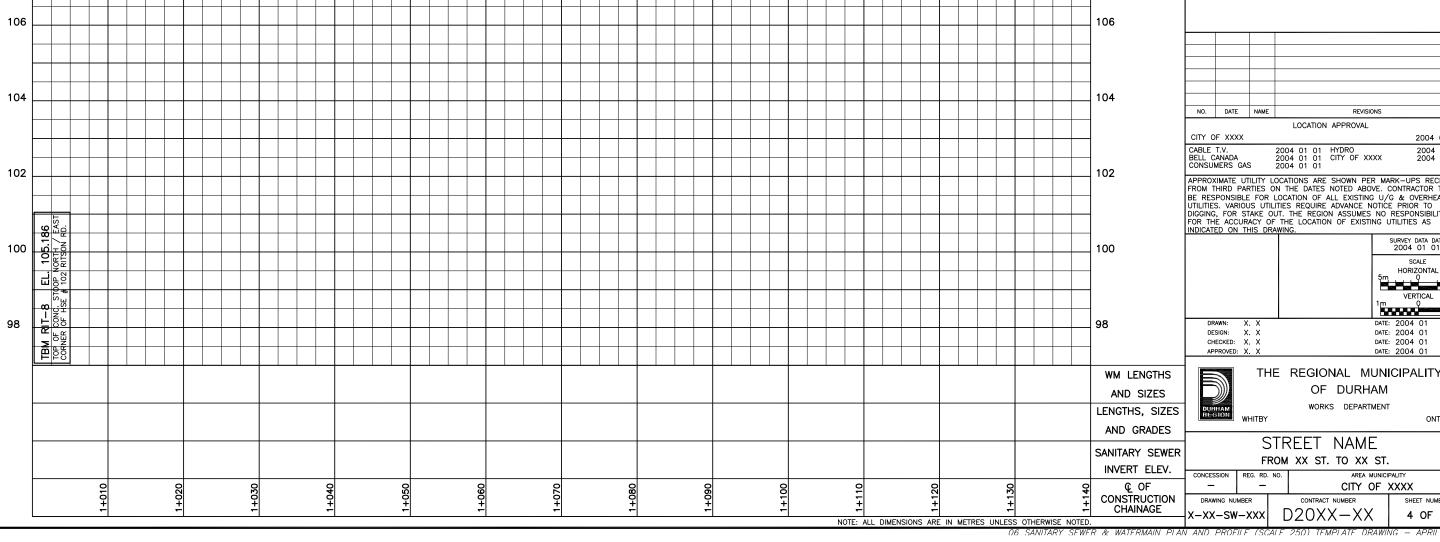




	PROPOSED WATERMAIN DA	ΓA	
			TOP OF
MARK	DESCRIPTION	CHAINAGE	WATERMAIN
			ELEVATION
Х	XXXX	X+XXX.XX	XXX.XXX

STREET NAME

## STREET NAME



NO.	DATE	NAME	REVISIONS	
			LOCATION APPROVAL	
CITY O	F XXXX		2004 (	01 01
CABLE			2004 01 01 HYDRO 2004	
BELL C CONSUI	ANADA MERS GAS		2004 01 01 CITY OF XXXX 2004 0 2004 01 01	01 01
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			SURVEY DATA DAT 2004 01 01	E
			SCALE HORIZONTAL 5m VERTICAL 1m V	5m
DR		. X	DATE: 2004 01	
		. X	DATE: 2004 01	
		. X	DATE: 2004 01	
AP	PROVED: X	. X	DATE: 2004 01	

THE REGIONAL MUNICIPALITY OF DURHAM

WORKS DEPARTMENT

ONTARIO

STREET NAME FROM XX ST. TO XX ST.

CITY OF XXXX DRAWING NUMBER CONTRACT NUMBER SHEET NUMBER

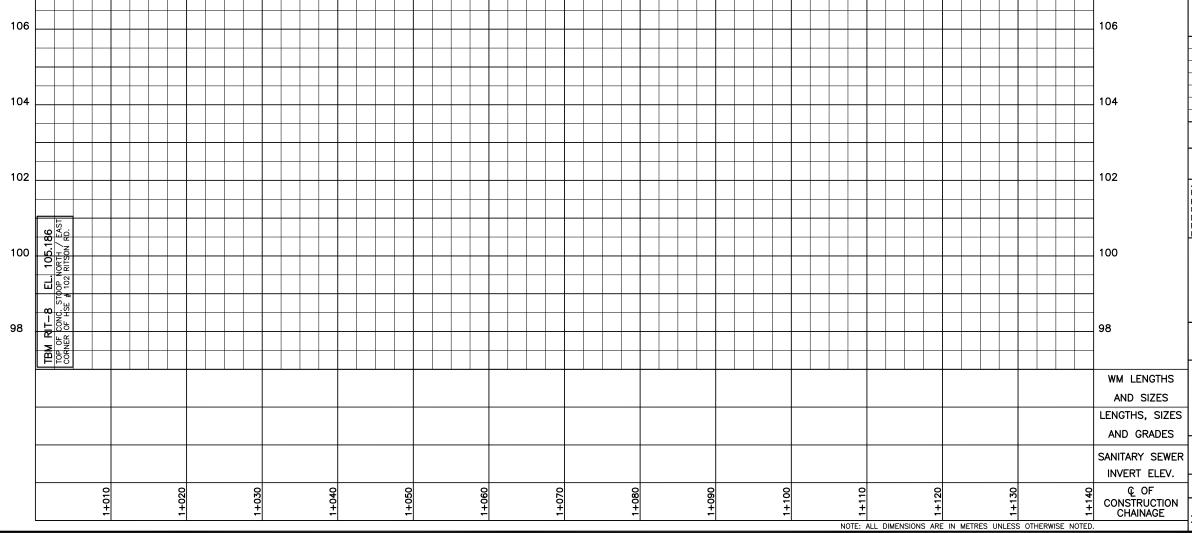
D20XX-XX x-xx-sw-xxx 4 OF -



	PROPOSED WATERMAIN DA		
MARK	DESCRIPTION	CHAINAGE	TOP OF WATERMAIN ELEVATION
Х	XXXX	X+XXX.XX	XXX.XXX

STREET NAME

## STREET NAME



NO.	DATE	NAME				REVISIO	ONS				
			LOC	ATION	APPF	ROVAL					
CITY O	F XXXX								2004	01	01
CABLE BELL C CONSUI			2004 01 2004 01 2004 01	01	HYDR CITY	O OF XX	ХХ		2004 2004		
FROM T BE RES UTILITIES DIGGING FOR TH	KIMATE UT THIRD PAF PONSIBLE S. VARIOU F, FOR ST E ACCUR ED ON TH	RTIES O FOR L IS UTILI TAKE OL ACY OF	N THE D LOCATION ITIES REC JT. THE THE LO	ATES OF QUIRE REGIO	NOTEI ALL EX ADVA N ASS	D ABO KISTINO NCE N SUMES	VE. C U/G IOTICE NO I	ONTRA & O' PRIOI RESPO	CTOR VERHE R TO NSIBIL	TO	ΞD
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DUHHAM

THE REGIONAL MUNICIPALITY
OF DURHAM

WORKS DEPARTMENT

ONTARIO

STR	EE	NAME			
FROM	XX	ST.	то	XX	ST

CONCESSION REG. RD. NO. AREA MUNICIPALITY

CITY OF XXXX

DRAWING NUMBER CONTRACT NUMBER SHEET NUMBER

CHAINAGE | X-XX-SW-XXX | D20XX-XX | 4 OF -



To be used be used on structural jobs and on site specific jobs with the Project Engineer's approval

CABLE T.V. 20XX XX XX OSHAWA P.U.C. 20XX XX XX BELL CANADA 20XX XX XX ENBRIDGE GAS 20XX XX XX AX ENBRIDGE GAS 20XX XX XX AX APPROXIMATE UTILITY LOCATIONS ARE SHOWN PER MARK—UPS RECEIVED FROM THIRD PARTIES ON THE DATES NOTED ABOVE. CONTRACTOR TO BE RESPONSIBLE FOR LOCATION OF ALL EXISTING U/G & OVERHEAD UTILITIES. VARIOUS UTILITIES REQUIRE ADVANCE NOTICE PRIOR TO DIGGING, FOR STAKE OUT. THE REGION ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

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			CHECKED:	Χ.	X		D.	NTE:	20XX	XX	ı
			APPROVED:	Χ.	Χ		D.	NTE:	20XX	XX	
					A	REA MU	JNICIPALITY				Τ
DATE	NAME	REVISIONS			CIT	ΥO	F XXXX				
		SCALE	SURV	EY [	DATA DATE		CONCESSION	Т	REG. RD	. NO.	1

1	NOTE: ALL DIM	ENSIONS A	RE IN	MILLIMET	RES L	INLESS	OTHERW	ISE NOTED
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WHITDY	WORKS	DEPARTI	MENT			ONTAR		20XX

WORKS DEPARTMENT ONTARIO D20XX—XX

STREET NAME

DRAWING NO.

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08 HORIZONTAL TITLE BLOCK TEMPLATE DRAWING (SCALE 250) - APRIL 20