

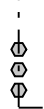
BILL OF MATERIAL

[illegible]

ELECTRICAL HANDWELL ● EXISTING ELECTRICAL HANDWELL ○ EMH □ ELECTRICAL MANHOLE 75 mm RIGID PVC UNDERGROUND DUCT — — — — — EXISTING 75 mm UNDERGROUND DUCT — — — — — ABANDONED 75 mm UNDERGROUND DUCT — — — — — 100 mm RIGID PVC UNDERGROUND DUCT — — — — — 100 mm RIGID PVC UNDERGROUND DUCT — — — — — 50 mm RIGID PVC UNDERGROUND DUCT — — — — — OVERHEAD CABLE — — — — — OVERHEAD CABLE WITH IDENTIFICATION CODE — — — — — 15A OVERHEAD CABLE AND SPAN WIRE — — — — —	BASE MOUNTED TRAFFIC POLE □ BASE MOUNTED ELLIPTICAL POLE ① REINFORCED BAY WITH TRAFFIC POLE □ DIRECT BURIED TRAFFIC POLE ② ELECTRIC (HYDRO) POLE ● EXISTING STREET LAMP POLE LS EXISTING STREET LAMP POLE WITH TRAFFIC SIGNAL HARDWARE EQUIPMENT ● BASE MOUNTED TRAFFIC POLE WITH STREET LAMP □
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	HIGHWAY SIGNAL HEAD (30 cm RED) WITH BACKBOARD AND MAST ARM
	HIGHWAY SIGNAL HEAD (30 cm RED) WITH BACKBOARD AND MOUNTING BRACKET
	HIGHWAY SIGNAL HEAD (30 cm RED) WITH BACKBOARD AND OVERHEAD CABLE
	HIGHWAY SIGNAL HEAD WITH BACKBOARD (ALL 30 cm LENSES)
	SPECIAL HEAD TYPE (6A) WITH ARROW INDICATION AND BACKBOARD (ALL 30 cm LENSES)
	STANDARD SIGNAL HEAD WITH BACKBOARD

	PEDESTRIAN SIGNAL HEAD
	AUDIBLE PEDESTRIAN SIGNAL HEAD
	BASE MOUNTED POLE AND PUSHBUTTON
	BASE MOUNTED POLE AND PUSHBUTTON FOR AUDIBLE SIGNAL
	AUDIBLE PEDESTRIAN SIGNAL
	PEDESTRIAN PUSHBUTTON
	ILLUMINATED PEDESTRIAN PUSHBUTTON
	POST WITH PEDESTRIAN PUSHBUTTON (DIRECT BURIED)
	SINGLE GUY WITH SINGLE ANCHOR
	DOUBLE GUY WITH SINGLE ANCHOR
	DOUBLE GUY WITH DOUBLE ANCHOR
	SINGLE GUY WITH SIDEWALK STRUT AND SINGLE ANCHOR

	CONTROLLER CABINET FRONT DOOR OPENS ON INDICATED
	GROUND PLATE OR ROD
	DIPOLE LOOP DETECTOR
	QUADRIVOLE LOOP DETECTOR
	INDUCTIVE LOOP DETECTOR WITH BICYCLE DETECTION
	PAVEMENT MARKINGS GUIDE DOTS
	PARKING METER
	HYDRANT
	MANHOLE

IDENTIFICATION CODES	DESCRIPTION
TC	CONTROLLER CABINET
P#	PROPOSED TRAFFIC SIGNAL POLE
PF#	PEDESTRIAN PUSHBUTTON POLE
EP#	EXISTING POLE
R#	REMOVAL
HW#	PROPOSED HANDWELL
BHW#	EXISTING HANDWELL
LD#	LOOP DETECTOR
SD#	SCOOT DETECTOR
TD#	TRANSIT DETECTOR

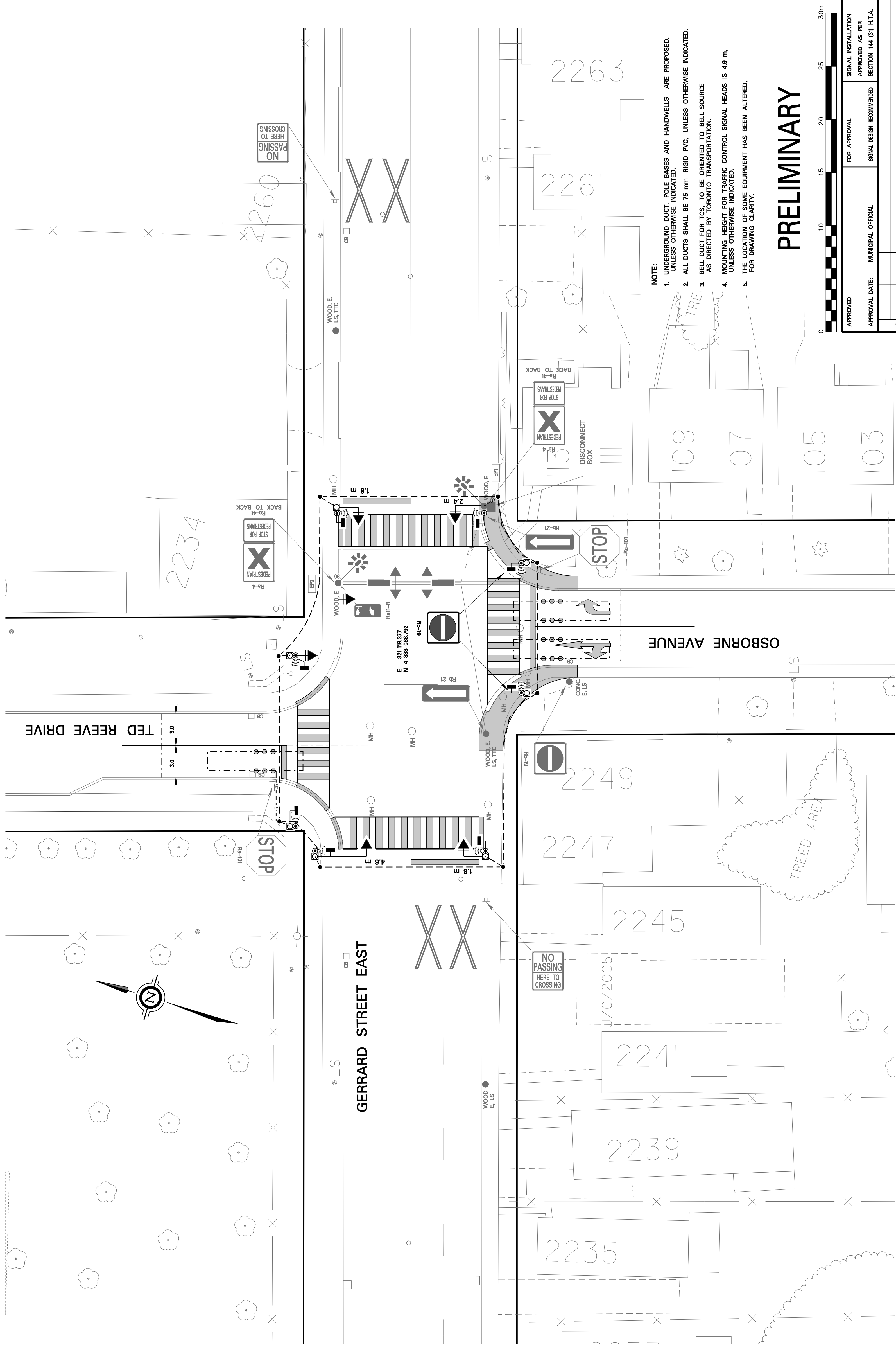
TYPES OF SPECIAL ARROW HEADS ALL 30 cm LENSES

1		2		3		4		5		6		7		8A		9A		10A		11A		12A	
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NOTE:

(8A) PROTECTED SIMULTANEOUS LEFT TURNS FOLLOWED BY PERMISSIVE LEFT TURNS WITH AMBER ARROW.

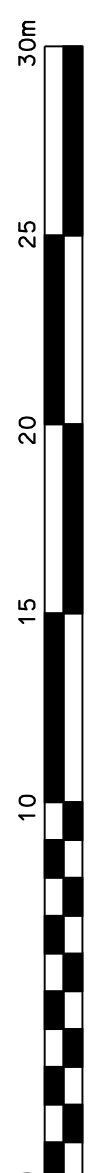
(10A) ADVANCED GREEN WITH GREEN ARROW.



NOTE:

1. UNDERGROUND DUCT, POLE BASES AND HANDWELLS ARE PROPOSED, UNLESS OTHERWISE INDICATED.
2. ALL DUCTS SHALL BE 75 mm RIGID PVC, UNLESS OTHERWISE INDICATED.
3. BELL DUCT FOR TCS, TO BE ORIENTED TO BELL SOURCE AS DIRECTED BY TORONTO TRANSPORTATION.
4. MOUNTING HEIGHT FOR TRAFFIC CONTROL SIGNAL HEADS IS 4.9 m, UNLESS OTHERWISE INDICATED.
5. THE LOCATION OF SOME EQUIPMENT HAS BEEN ALTERED.

PRELIMINARY



APPROVED		FOR APPROVAL	SIGNAL INSTALLATION APPROVED AS PER
APPROVAL DATE:	MUNICIPAL OFFICIAL	SIGNAL DESIGN RECOMMENDED	SECTION 144 (3) H.T.A.

REVISIONS		DATE	DRAWN	DESCRIPTION OF REVISIONS
				PLANIMETRIC AND STREET LINE DATA, WERE OBTAINED FROM SURVEYS & MAPPING SECTION.

Toronto Traffic Management Centre

TRAFFIC CONTROL SIGNALS
GERRARD STREET EAST
OSBORNE AVENUE
TED REEVE DRIVE

DESIGN		DRAWN		CHECKED		APPROVED	
SCALE	1 : 200	COUNCIL APPROVAL DATE		TCS3610 DRAWING NUMBER			
DATE							

Reference File: Ne trafdrft on 'Trafic' H:\SURROUND\TCSUR.DGN