ENGINEERING DEPARTMENT	CNICONOTOL	CTION	Niagara	// Region
CHECK LIST - TRAFFIC SIGNAL DRAWINGS - <u>DESI</u>	IGN/CONSTRU	CTION		
PROJECT:			_	
PROJECT NUMBER: DATE:				
NAME OF CAD FILE:			_	
RELATED FOLDER:			_	
DOCUMENTS PREPARED BY:				
DOCUMENTS CHECKED BY:				
ACCEPTABLE √ - YES X - NO N/A - NOT APPLICABLE				IREF.
	ACCEPTABLE		COMMENTS	
1. GENERAL				•
North Arrow				
Legend				
Title Block Street Name and location of intersection				
Intersection identification				
Design Start Date:				
Enter Scale: (1:100/1:200/1:500) 1:				
Drawing number and Municipal Reference Number				
Revision number, description, and date				
Mulnicipality Logo				ļ
Plot Stamp				
, , , , , , , , , , , , , , , , , , ,	1			
2. Baseplan				
Existing edge of pavement/curb/exsiting pavement marking				
Street Names				
islands, medians				
Sidewalks and curb cuts				
Ditches/culverts				
Driveways and curb cuts				
Catch Basin and manholes				
Significant Vegetation				
Fences				
Existing/ proposed utilities				
Hydro - underground and aerial/ Alumination				
Gas				
Bell				
Sewer and water main				
Other -				
Property lines and monuments shown				
Existing signal system				
OTHER Detail 1)				
2)	ļ			
O. Danas and				
3. Proposed				1
Roadway geometrics lane realignment (match road project)				
Curb and curb cuts (match road project)				
Sidewalk ramps and plates shown on drawing (match road project)				
Turning movements checked - Design Vehicle ()				
Signal site distance checked				17
OTHER Detail 1)				
2)				
3)				
4. Pavement Markings				
Lanes shown - all proper pavement markings				
Turning markings symbols shown on all approaches				
Stop bar and crosswalk marking shown on all approaches				
Bike lane and bike symbols in standard location				

## ENGINEERING DEPARTMENT CHECK LIST - TRAFFIC SIGNAL DRAWINGS - DESIGN/CONSTRUCTION



					REF.
			ACCEPTABLE	COMMENTS	
5. Regulatory and Warning Sig			T		1
Regulatory signage location sym					OTM-5
Sign identifier label shown (i.e. R					OTM-5
Warning signage location symbo	ols shown				
6. Power Supply and Controlle	r Location				
Power supply point identified, O/					
Disconnect and PS cabinet show	vn				35
Controller cabinet location shown	า				35
Minimum set back from edge of p					25
Disconnect and Controller includ	ed in Data Table				25
7. Pole Locations					
Pole locations shown and labelle	ed clockwise from TC				22-24
Minimum set back from edge of լ					22-25
Utility clearance maintained					22-24
Pole -quadrant, No., height and t	pase type in data table				
1 , , ,	31		l l		l .
8. Signal Head Locations					
Signal head locations shown on		x)			
Signal head locations shown in s					19/20
Signal head location, No., type &	Mount Ht. in data table				
9. Ducts and Junction Boxes					
Junction box location shown and	labelled clockwise from TC				28/29/3
Minimum set back from edge of					29
Junction box quadrant, No., size					25
Traffic duct locations shown and					
			<u> </u>		<b>.</b>
10. Detection Locations					
Vehicle detection locations show					
Detection locations shown in ma		S			27/28
Detection - location, No.& type	in data table				
44 5 4 4 5 5 5 5					
11. Pedestrian Provision			T		1
Ped head and Button locations s					04/05
Ped Head locations within 1.5m					21/25
Push Button locations within 1.5r PH & PB listed on poles in data t					21/25
THE Blisted on poles in data t	abic				<u> </u>
12. Roadway Lighting Provisio	n				
Roadway lighting locations show					
Luminaire location noted on pole	number in data table				
40 DRAFTING STANDARDS					
13. DRAFTING STANDARDS  Description	Layer	Color			1
buildings	LU_E_BS_BLD_BUILDING	220			
curb cuts	IN_E_RS_RDY_CURBDROP	184			
curbs ditches	IN_E_RS_RDY_CURB IN E DS DDS DITCH	180 134			
driveways	IN_E_RS_DWY_DRIVEWAY	192			
hydro aerial wire	UT_E_HY_AER_WIRE	34			
hydro underground cable	UT_E_HY_UND_CABLE	24			
solid pavement markings - proposed dashed pavement markings - proposed	IN_P_TS_PMK_LINE100	30 30			
	IN_F_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE100	206			
solid pavement markings - existing			<b></b>		
dashed pavement markings - existing	IN_E_TS_PMK_LINE3_3	206			l
dashed pavement markings - existing property lines	LB E SV BN	120			
dashed pavement markings - existing					

signal plant aerial - proposed	IN_P_TS_AER	90				
signal plant ground level - proposed	IN_P_TS_GND	90				
signal plant underground - proposed	IN P TS UND	90				
signs	IN_E_TS_SGN_INFORMATION	112				
ENGINEERING DEPARTMENT	•			•		
= =	AFFIC SIGNAL DRAWINGS	- DESI	GN/CONSTR	RUCTION	Niagara '	Region
ACCEPTABLE √-YES X	- NO N/A - NOT APPLICA	ARLE				
Description	Layer	Color		1		
street names (text height 1.2)	IN_E_RS_REF_STREETNAME	20				
pavement marking symbols	IN E TS PMK SYMBOLS	202				
. ,	ID LOOPS	142				
traffic loops	D CONDUIT-	142				
traffic signal ducts (50 & 100)	_					
traffic signal ducts (50)	D_CONDUIT5	90				
14. BLOCKS/SYMBOLS	III na					
Description	Proposed					
signal head #	TS_SIGNAL_HEAD#_PROP.dwg					
pedestrian signal head	TS_PH_PROP.dwg					
countdown pedestrian signal head	TS_PH_COUNTDOWN_PROP.d	wg				
pedestrian push button	TS_PB_PROP.dwg					
audible pedestrian push button	TS_PB_AUDIBLE_PROP.dwg					
junction box	TS_JB_PROP.dwg					
vehicle loop/video detection area		TS_LOOP_SIMPLE_PROP.dwg				
duplex loop detector	TS_LOOP_DUPLEX_PROP.dwg					
diamond loop detector	TS_LOOP_SIMPLE_DIAMOND_PROP.dwg					
vehicle pre-emption antenna	TS_PREMP_EMERG.dwg					
micro-wave detector	TS_MW_PROP.dwg TS_(AER/GND)_CONTROLLER_PROP.dwg					
traffic controller		_FROF.u	iwg			
traffic sign	TS_SIGN_PROP.dwg					
traffic sign w/ flashing beacon video detection camera	TS_ITS_PROP.dwg					
	TS_DC_PROP.dwg					
tilt/pan/zoom video camera	TS_VC_PROP.dwg TS_MDC_PROP.dwg					
multi-leg video detection camera power distribution cabinet	TS PS CABINET PROP.dwg					
serial radio communication antenna	TS RAD INTER.dwg					
hydro meter	TS METER PROP.dwg					
signal related luminaire	TS_WETER_PROP.dwg					
existing luminaire	TS LUMINAIRE PROP.dwg					
straight/right arrow	TS_PMK_RT_ST_PROP.dwg					
right arrow	TS PMK RIGHT PROP.dwg					
no turn arrow	TS PMK NOTURN PROP.dwg					
straight/left arrow	ITS LT ST PROP.dwg					
left arrow	TS PMK LEFT PROP.dwg					
	<del> ·</del>					
left/right arrow	TS_PMK_LT_RT_PROP.dwg					
left/right/straight arrow	TS_PMK_3DIR_PROP.dwg					
		-				
- for proposed detail layer prefix is Pr	_					
- for descriptions not listed see CAD S	Standards Manual					
LTSCALE = 1.0 & PSLTSCA	ALE = 0	Ī				
i		-		1		<del></del>

ENGINEERING DEPARTMENT			Niagara	Region
CHECK LIST - TRAFFIC SIGNAL DRAWINGS - RECORD				
PROJECT:				
PROJECT NUMBER: DATE:				
NAME OF Record CAD FILE:				
RELATED FOLDER:				
DOCUMENTS PREPARED BY:				
DOCUMENTS CHECKED BY:				
ACCEPTABLE √-YES X-NO N/A-NOT APPLICABLE				REF.
	ACCEPTABLE		COMMENTS	
1. GENERAL				
North Arrow				
Legend				
Title Block Street Name and location of intersection				
Intersection identification				
Design Start Date:				
Enter Scale: (1:100/1:200/1:500) 1:				
Drawing number and Municipal Reference Number				
Description, date, and revision number for record drawing				
Mulnicipality Logo				
Plot Stamp				
	I.	I.		
2. Record Baseplan				
Roadway geometrics lane alignment				
Curb and curb cuts				
Sidewalk ramps and plates shown on drawing				
Street Names				
Islands, medians				
Ditches/culverts				
Driveways and curb cuts				
Catch Basin and manholes				
Significant Vegetation				
Fences				
Utilities				
Hydro - underground and aerial/ Alumination				
Gas				
Bell				
Sewer and water main				
Other -				
Property lines and monuments shown				
OTHER Detail 1)				
2)				
4. Pavement Markings				
Lanes shown - all proper pavement markings				
Turning markings symbols shown on all approaches				
Stop bar and crosswalk marking shown on all approaches				
Bike lane and bike symbols in standard location				
,	1	1		
5. Regulatory and Warning Signage				
Regulatory signage location symbols shown				OTM-5
Sign identifier label shown (i.e. Rb-25)				OTM-5
				C-IVI-5
Warning signage location symbols shown				
6. Power Supply and Controller Location	T	T		
Power supply point identified, O/H ungnd				
Disconnect and PS cabinet shown			<u> </u>	35
Controller cabinet location shown				35

Diagram and American desired	pavement maintained				25
Disconnect and Controller includ					25
ENGINEERING DEPARTMENT				Niagara // Re	00101
CHECK LIST - TRAFFIC SIGNA	L DRAWINGS - RECORD			Niagara / / Ko	egioi
ACCEPTABLE √-YES X	- NO N/A - NOT APPLICA	<b>ABLE</b>			
				RI	EF.
			ACCEPTABLE   COMMENTS		
7. Pole Locations			7100EL TABLE OF WINTERTO		
Pole locations shown and labelle	d alaskurias from TC				22-24
Minimum set back from edge of p	pavement maintained				22-25
Utility clearance maintained					22-24
Pole -quadrant, No., height and t	pase type in data table				
8. Signal Head Locations					
Signal head locations shown on	all approaches (Prim,sec.aux	۲)			
Signal head locations shown in s					19/20
Signal head location, No., type &	Mount Ht. in data table				
9. Ducts and Junction Boxes					
Junction box location shown and	labelled clockwise from TC			2	8/29/3
Minimum set back from edge of p					29
Junction box quadrant, No., size					20
Traffic duct locations shown and					
Traine duct locations shown and	IANIEU-JUIIIII AIIU 100IIIIII				
40 Detection Leastlens					
10. Detection Locations	<del></del>				
Vehicle detection locations show					
Detection locations shown in ma		3			27/28
Detection - location, No.& type	in data table				
11. Pedestrian Provision					
Ped head and Button locations s	hown on all approaches				
Ped Head locations within 1.5m					21/25
Push Button locations within 1.5r					21/25
PH & PB listed on poles in data t					2 1720
FIT & FB listed on poles in data t	.able				
40 Daaduuru Limbiin n Buruisia					
12. Roadway Lighting Provisio					
Roadway lighting locations show					
Luminaire location noted on pole	number in data table				
13. DRAFTING STANDARDS					
Description	Layer	Color			
Description buildings	LU_E_BS_BLD_BUILDING	220			
Description buildings curb cuts	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP	220 184			
Description buildings curb cuts curbs	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB	220 184 180			
Description buildings curb cuts	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH	220 184 180 134			
Description buildings curb cuts curbs	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY	220 184 180 134 192			
Description buildings curb cuts curbs ditches driveways hydro aerial wire	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE	220 184 180 134 192 34			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE	220 184 180 134 192			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100	220 184 180 134 192 34			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3	220 184 180 134 192 34 24			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100	220 184 180 134 192 34 24 30			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - existing	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE100 IN_E_TS_PMK_LINE3_3	220 184 180 134 192 34 24 30 30 206 206			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - existing dashed pavement markings - existing dashed pavement markings - existing	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE100	220 184 180 134 192 34 24 30 30 206			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - existing dashed pavement markings - existing broperty lines	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE100 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD	220 184 180 134 192 34 24 30 30 206 206			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing property lines road edge of pavement	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE100 IN_E_TS_PMK_LINE3_3 D_PROPERT	220 184 180 134 192 34 24 30 30 206 206			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE100 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD	220 184 180 134 192 34 24 30 30 206 206 120			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK	220 184 180 134 192 34 24 30 30 206 206 120 180 202			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing signal plant aerial - proposed	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK IN_E_TS	220 184 180 134 192 34 24 30 30 206 206 120 180 202 142			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing signal plant aerial - proposed signal plant ground level - proposed	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK IN_E_TS IN_P_TS_AER	220 184 180 134 192 34 24 30 30 206 206 120 180 202 142 90			
Description buildings curb cuts curbs ditches ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing signal plant aerial - proposed signal plant ground level - proposed	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK IN_E_TS IN_P_TS_AER IN_P_TS_GND	220 184 180 134 192 34 24 30 30 206 206 120 180 202 142 90 90			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing signal plant aerial - proposed signal plant ground level - proposed signal plant underground - proposed signal plant underground - proposed	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK IN_E_TS IN_P_TS_AER IN_P_TS_GND IN_P_TS_UND	220 184 180 134 192 34 24 30 30 206 206 120 180 202 142 90 90 90			
Description buildings curb cuts curbs ditches ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing signal plant aerial - proposed signal plant ground level - proposed	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK IN_E_TS IN_P_TS_AER IN_P_TS_GND IN_P_TS_UND IN_E_TS_SGN_INFORMATION IN_E_RS_REF_STREETNAME	220 184 180 134 192 34 24 30 30 206 206 120 180 202 142 90 90 90 112			
Description buildings curb cuts curbs ditches ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing signal plant aerial - proposed signal plant underground - proposed signal plant underground - proposed signs street names (text height 1.2) pavement marking symbols	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK IN_E_TS IN_P_TS_AER IN_P_TS_GND IN_P_TS_UND IN_E_TS_SGN_INFORMATION	220 184 180 134 192 34 24 30 30 206 206 120 180 202 142 90 90 90 112 20			
Description buildings curb cuts curbs ditches ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - existing dashed pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing signal plant aerial - proposed signal plant underground - proposed signal plant underground - proposed signs street names (text height 1.2) pavement marking symbols traffic loops	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE100 IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK IN_E_TS IN_P_TS_AER IN_P_TS_GND IN_P_TS_UND IN_E_TS_SGN_INFORMATION IN_E_RS_REF_STREETNAME IN_E_TS_PMK_SYMBOLS	220 184 180 134 192 34 24 30 30 206 206 120 180 202 142 90 90 112 20 202			
Description buildings curb cuts curbs ditches driveways hydro aerial wire hydro underground cable solid pavement markings - proposed dashed pavement markings - proposed solid pavement markings - existing dashed pavement markings - existing dashed pavement markings - existing property lines road edge of pavement sidewalk signal plant - existing signal plant aerial - proposed signal plant ground level - proposed signal plant underground - proposed signal plant underground - proposed signs street names (text height 1.2) pavement marking symbols	LU_E_BS_BLD_BUILDING IN_E_RS_RDY_CURBDROP IN_E_RS_RDY_CURB IN_E_DS_DDS_DITCH IN_E_RS_DWY_DRIVEWAY UT_E_HY_AER_WIRE UT_E_HY_UND_CABLE IN_P_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 IN_E_TS_PMK_LINE3_3 D_PROPERT IN_E_RS_RDY_EDGEROAD IN_E_RS_SWK_SIDEWALK IN_E_TS IN_P_TS_AER IN_P_TS_AER IN_P_TS_GND IN_E_TS_SGN_INFORMATION IN_E_RS_REF_STREETNAME IN_E_TS_PMK_SYMBOLS D_LOOPS	220 184 180 134 192 34 24 30 30 206 120 180 202 142 90 90 112 20 202 142			

## ENGINEERING DEPARTMENT Niagara Region CHECK LIST - TRAFFIC SIGNAL DRAWINGS - RECORD ACCEPTABLE √ - YES X - NO N/A - NOT APPLICABLE 14. BLOCKS/SYMBOLS Proposed Description signal head # TS\_SIGNAL\_HEAD#\_PROP.dwg TS\_PH\_PROP.dwg TS\_PH\_COUNTDOWN\_PROP.dwg pedestrian signal head countdown pedestrian signal head TS\_PB\_PROP.dwg pedestrian push button audible pedestrian push button TS PB AUDIBLE PROP.dwg TS\_JB\_PROP.dwg TS\_LOOP\_SIMPLE\_PROP.dwg junction box vehicle loop/video detection area TS\_LOOP\_DUPLEX\_PROP.dwg duplex loop detector TS\_LOOP\_SIMPLE\_DIAMOND\_PROP.dwg diamond loop detector TS PREMP\_EMERG.dwg vehicle pre-emption antenna TS\_MW\_PROP.dwg micro-wave detector TS (AER/GND) CONTROLLER PROP.dwg traffic controller TS\_SIGN\_PROP.dwg traffic sign TS ITS PROP.dwg traffic sign w/ flashing beacon TS\_DC\_PROP.dwg video detection camera TS VC PROP.dwg tilt/pan/zoom video camera multi-leg video detection camera TS MDC PROP.dwo TS PS\_CABINET\_PROP.dwg power distribution cabinet serial radio communication antenna TS RAD INTER.dwg hydro meter TS METER PROP.dwg TS\_LUMINAIRE\_PROP.dwg TS\_LUMINAIRE\_PROP.dwg signal related luminaire existing luminaire straight/right arrow TS PMK\_RT\_ST\_PROP.dwg right arrow TS PMK RIGHT PROP.dwg TS PMK NOTURN PROP.dwa no turn arrow straight/left arrow TS LT ST PROP.dwg left arrow TS\_PMK\_LEFT\_PROP.dwg left/right arrow TS\_PMK\_LT\_RT\_PROP.dwg left/right/straight arrow TS PMK 3DIR PROP.dwg - for proposed detail layer prefix is Pr\_ - for descriptions not listed see CAD Standards Manual LTSCALE = 1.0 & PSLTSCALE = 0

ENGINEERING DEPARTMENT			Nicrow 4 / 4 i	D:
CHECK LIST - TRAFFIC SIGNAL DRAWINGS - <u>LEG</u>	SAL APPROVA	<u>L (PHM-125)</u>	Niagara ///	Region
PROJECT:				
PROJECT NUMBER: DATE:				
NAME OF Record CAD FILE:				
RELATED FOLDER:				
DOCUMENTS PREPARED BY:				
DOCUMENTS CHECKED BY:				
ACCEPTABLE √-YES X-NO N/A-NOT APPLICABLE				
	T	Table		PAGE
	ACCEPTABLE	COMMENTS		
1. GENERAL	1	1		ī
Standard Border				
intersection Identifier				
Municipality				
Intersection Street Names (check spelling)				
Date:	1			
Scale:	1:			
Recommended block signed				
Revision Block - number, description, and date				
Legends - Symbols and Signal Heads				
North Arrow				
Proper Linetype Scale				
2. Baseplan				
Existing edge of pavement/curb	1	T		
Street Names (same as title block)				
Sidewalks and curb cuts				
Driveways and curb cuts				
Driveways and curb curs				
3. Cross walk and Sidewalk				
Cross walk locations-type-single/rural marking				
Drop-curb locations				
Brop ours roomons	l .			
4. Pole Locations				
Pole locations shown				
Minimum set back from edge of pavement maintained				22-25
minimum oot saak nom oage er parement maintainea		ı		22 20
5. Signal Head Locations				
Signal head locations shown on all approaches (Prim,sec.aux)				
Signal head locations shown in mandatory or standard locations				19-21
Signal mast arm, standard length shown in data table				
Signal head location, size, type shown in data table				
6. Detection Locations				
Vehicle detection locations shown on appropriate approaches				27/28
		•		
7. Pedestrian Provision				
Ped head and Button locations shown on all approaches				
Ped head and Button locations in mandatory/standard locations				22, 25
,	•			
8. Street Lighting Provision				
Street lighting locations shown on all approaches (far right)				
		•		
9. Line Marking and Regulatory Signage				
Centre lane and turning markings shown on all approaches				
Stop bar and crosswalk marking shown on all approaches	1		Logal Approval	7 of 0

Turning lane markings shown on approaches		
Regulatory signage location and type shown and labelled		

Niagara Region	RAFFIC SIGNAL DRAWINGS	- <u>LEG</u>	AL APPROVAL (PH	M-125 <u>)</u>	Niagara	Region
ACCEPTABLE √-YES X-	NO N/A - NOT APPLICABL	E				
71.00271.022						PAGE
			ACCEPTABLE	COM	MENTS	
10. DRAFTING STANDARDS			AOOLI TABLE	COIVI	WENTO	
	0 -46					
PEN TABLE !NPCS_MONO_V3		Color	T			
curb cuts	Layer IN_E_RS_RDY_CURBDROP	Color 184				
curbs	IN E RS RDY CURB	180				
driveways- intersecting	IN_E_RS_DWY_DRIVEWAY	192				
solid pavement markings	IN_E_TS_PMK_LINE100	206				
dashed pavement markings	IN_E_TS_PMK_LINE3_3	206				
road edge of pavement	IN_E_RS_RDY_EDGEROAD	180				
sidewalk signal plant - existing	IN_E_RS_SWK_SIDEWALK IN E TS	202 142				
signal plant aerial - proposed	IN P TS AER	90				
signal plant ground level - proposed	IN_P_TS_GND	90				
signal plant underground - proposed	IN_P_TS_UND	90				
signs (reg/warning)	IN_E_TS_SGN_INFORMATION	112				
street names (text height 1.2)	IN_E_RS_REF_STREETNAME	20			<u> </u>	
pavement marking symbols traffic loops	IN_E_TS_PMK_SYMBOLS IN E TS GN	202 142				
trailic loops	II1_L_13_GI1	142				
44 BLOOKOOWIE						
11. BLOCKS/SYMBOLS	1		T T			T
Description	Block/Symbol					
signal head #	TS_SIGNAL_HEAD#_PROP.dwg					
pedestrian signal head	TS_PH_PROP.dwg					
countdown pedestrian signal head	TS_PH_COUNTDOWN_PROP.dv	wg				
pedestrian push button	TS_PB_PROP.dwg					
audible pedestrian push button	TS PB AUDIBLE PROP.dwg					
vehicle loop/video detection area	TS_LOOP_SIMPLE.dwg					
duplex loop detector	TS_LOOP_DUPLEX.dwg					
diamond loop detector	TS LOOP SIMPLE DIAMOND.d	wa				
·		wy				
vehicle pre-emption antenna	TS_PREMP_EMERG.dwg					
micro-wave detector	TS_MW.dwg					
traffic controller	TS_(AER/GND)_CONTROLLER.	awg				
traffic sign	TS_SIGN.dwg					
traffic sign w/ flashing beacon	TS_ITS_PROP.dwg					
video detection camera	TS_DC_PROP.dwg					
tilt/pan/zoom video camera	TS_VC_PROP.dwg					
multi-leg video detection camera	TS_MDC_PROP.dwg					
power distribution cabinet	TS_PS_CABINET.dwg					
serial radio communication antenna	TS_RAD_INTER.dwg					
hydro meter	TS_METER_PROP.dwg					
signal related luminaire	TS_LUMINAIRE_PROP.dwg					
	TS LUMINAIRE.dwg	1				
existing luminaire						
straight/right arrow	TS_PMK_RT_ST.dwg					
right arrow	TS_PMK_RIGHT.dwg					
no turn arrow	TS_PMK_NOTURN.dwg					
straight/left arrow	TS_LT_ST.dwg					
left arrow	TS_PMK_LEFT.dwg					
left/right arrow	TS_PMK_LT_RT.dwg				<u> </u>	
left/right/straight arrow	TS_PMK_3DIR.dwg					