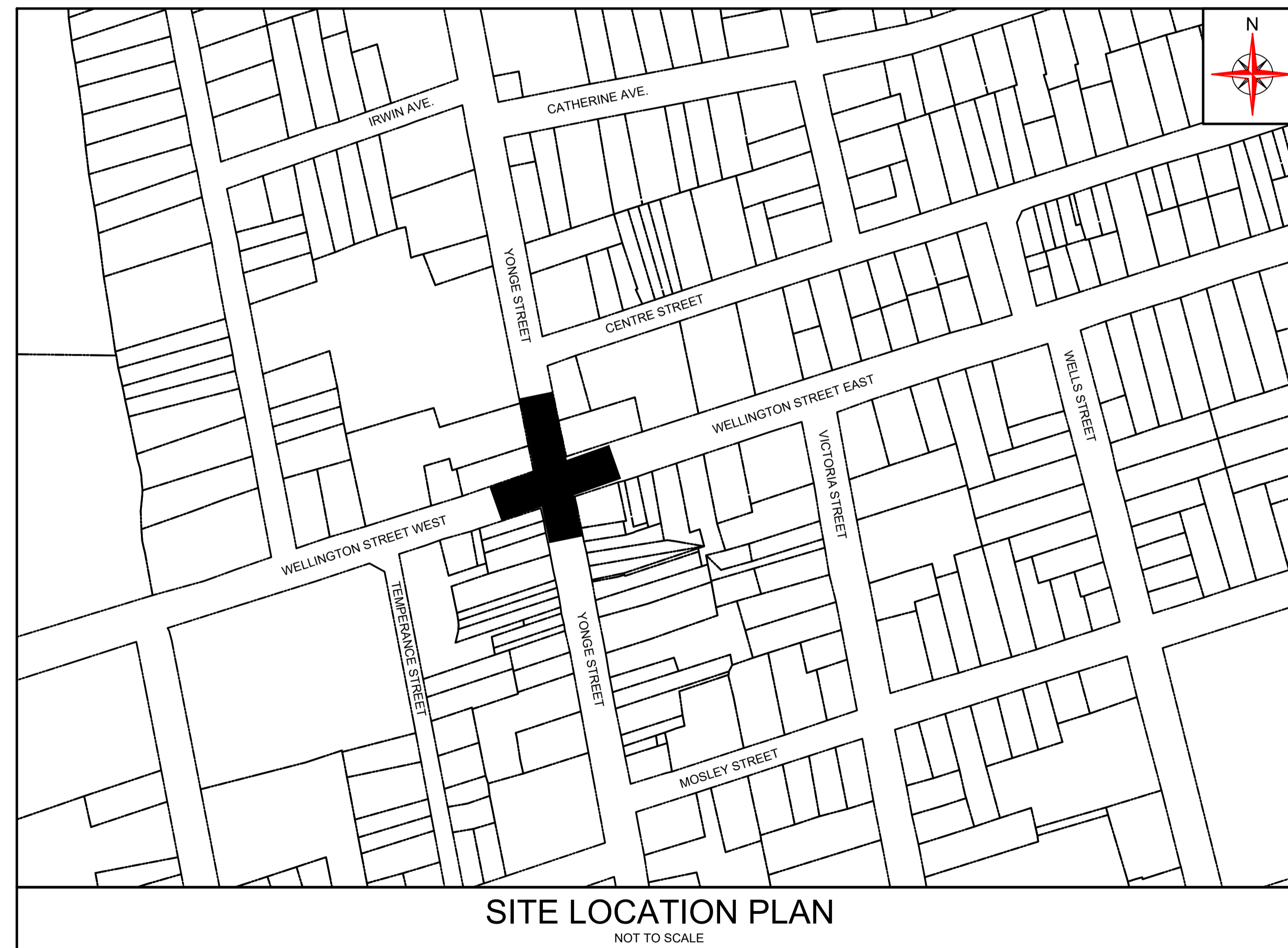


TOWN OF AURORA

SOUTHBOUND RIGHT TURN LANE & INTERSECTION IMPROVEMENTS

AINLEY PROJECT No. 220024
ISSUED FOR TENDER

CONTRACT: 2022-38-PDS-ENG



DRAWING LIST	
DWG. No.	TITLE
COVER & INDEX	
E01	ELECTRICAL LEGEND
E02	ELECTRICAL CHARTS & NOTES
E03	TEMPORARY TRAFFIC CONTROL SIGNALS, ILLUMINATION, & REMOVALS PLAN
E04	CIVIL WORKS REMOVALS PLAN
E05	SOUTHBOUND RIGHT TURN LANE & INTERSECTION IMPROVEMENTS
E06	REMOVAL OF TEMPORARY TRAFFIC CONTROL SIGNALS & ILLUMINATION
E07	WIRING DIAGRAM
XS1	SECTIONS
SP1	BMO SIGN RELOCATION

TRAFFIC SIGNALS

- EXISTING HWY. TRAFFIC SIGNAL HEAD & MAST ARM (WITH B.B.)
- PROPOSED HWY. TRAFFIC SIGNAL HEAD & MAST ARM (WITH B.B.)
- EXISTING HWY. TRAFFIC SIGNAL HEAD & MOUNTING BRACKET (WITH B.B.)
- PROPOSED HWY. TRAFFIC SIGNAL HEAD & MOUNTING BRACKET (WITH B.B.)
- EXISTING SPECIAL TRAFFIC SIGNAL HEAD & MOUNTING BRACKET (WITH B.B.)
- PROPOSED SPECIAL TRAFFIC SIGNAL HEAD & MOUNTING BRACKET (WITH B.B.)
- EXISTING SPECIAL TRAFFIC SIGNAL HEAD & MAST ARM (WITH B.B.)
- PROPOSED SPECIAL TRAFFIC SIGNAL HEAD & MAST ARM (WITH B.B.)
- EXISTING TRANSIT TRAFFIC SIGNAL HEAD & MOUNTING BRACKET (WITH B.B.)
- PROPOSED TRANSIT TRAFFIC SIGNAL HEAD & MOUNTING BRACKET (WITH B.B.)
- EXISTING HWY. TRAFFIC SIGNAL HEAD & SPAN WIRE
- PROPOSED HWY. TRAFFIC SIGNAL HEAD & SPAN WIRE
- EXISTING HWY. TRAFFIC SIGNAL HEAD (ALL 30cm LENSES) & MAST ARM (WITH B.B.)
- PROPOSED HWY. TRAFFIC SIGNAL HEAD (ALL 30cm LENSES) & MAST ARM (WITH B.B.)
- EXISTING HWY. TRAFFIC SIGNAL HEAD (ALL 30cm LENSES) & MOUNTING BRACKET (WITH B.B.)
- PROPOSED HWY. TRAFFIC SIGNAL HEAD (ALL 30cm LENSES) & MOUNTING BRACKET (WITH B.B.)
- EXISTING PEDESTRIAN SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD & MOUNTING BRACKET (SYMBOL TYPE)
- EXISTING COUNTDOWN PEDESTRIAN SIGNAL HEAD
- PROPOSED COUNTDOWN PEDESTRIAN SIGNAL HEAD
- EXISTING AUDIBLE PEDESTRIAN SIGNAL HEAD
- PROPOSED AUDIBLE PEDESTRIAN SIGNAL HEAD
- EXISTING PEDESTRIAN PUSHBUTTON
- PROPOSED PEDESTRIAN PUSHBUTTON
- EXISTING AUDIBLE PEDESTRIAN SIGNAL STATION
- PROPOSED AUDIBLE PEDESTRIAN SIGNAL STATION
- EXISTING TRAFFIC SIGNAL CONTROLLER (PEDESTAL MOUNTED)
- PROPOSED TRAFFIC SIGNAL CONTROLLER (PEDESTAL MOUNTED)
- EXISTING TRAFFIC SIGNAL CONTROLLER (POLE MOUNTED)
- PROPOSED TRAFFIC SIGNAL CONTROLLER (POLE MOUNTED)
- EXISTING TRAFFIC SIGNAL CONTROLLER (BASE MOUNTED)
- PROPOSED TRAFFIC SIGNAL CONTROLLER (BASE MOUNTED)
- EXISTING BATTERY BACKUP SYSTEM (BASE MOUNTED)
- PROPOSED BATTERY BACKUP SYSTEM (BASE MOUNTED)
- EXISTING FLASHER CONTROL BOX
- PROPOSED FLASHER CONTROL BOX
- EXISTING DETECTION DEVICE
- PROPOSED DETECTION DEVICE
- EXISTING SERVICE
- PROPOSED SERVICE
- EXISTING METERED SERVICE
- PROPOSED METERED SERVICE
- EXISTING C.T.C.S. ANTENNA
- EXISTING OPTICAL PRE-EMPTION DETECTOR
- PROPOSED OPTICAL PRE-EMPTION DETECTOR
- EXISTING OPTICAL PRE-EMPTION DETECTOR FOR FIRE & TRANSIT
- PROPOSED OPTICAL PRE-EMPTION DETECTOR FOR FIRE & TRANSIT
- EXISTING DOME CAMERA
- EXISTING CCTV CAMERA
- PROPOSED CCTV CAMERA

CONDUIT & WIRING

- EXISTING AERIAL FEED
- PROPOSED AERIAL FEED
- EXISTING AERIAL TRAFFIC CABLE
- PROPOSED AERIAL TRAFFIC CABLE
- EXISTING 25mm Ø OR 38mm Ø CONDUIT
- PROPOSED 25mm Ø OR 38mm Ø RIGID P.V.C. CONDUIT (OPEN CUT)
- EXISTING 50mm Ø CONDUIT
- PROPOSED 50mm Ø RIGID P.V.C. CONDUIT (OPEN CUT)
- EXISTING 75mm Ø CONDUIT
- PROPOSED 75mm Ø RIGID P.V.C. CONDUIT (OPEN CUT)
- PROPOSED 75mm/100mm Ø RIGID P.V.C. CONDUIT (PLACED BY DIRECTIONAL BORING)
- EXISTING 100mm Ø CONDUIT
- PROPOSED 100mm Ø RIGID P.V.C. CONDUIT (OPEN CUT)
- EXISTING DUCT BANK
- PROPOSED DUCT BANK
- EXISTING VEHICLE DETECTOR (WIRE INDUCTIVE LOOP)
- PROPOSED VEHICLE DETECTOR (WIRE INDUCTIVE LOOP)
- EXISTING VIDEO DETECTION ZONE
- PROPOSED VIDEO DETECTION ZONE

ILLUMINATION & ILLUMINATED SIGNS

- EXISTING H.P.S. LUMINAIRE & MAST ARM (WATTAGE AS NOTED)
- PROPOSED H.P.S. LUMINAIRE & MAST ARM (WATTAGE AS NOTED)
- EXISTING POST TOP LUMINAIRE
- EXISTING "KEEP RIGHT" SIGN WITH FLASHER, BEACON & BASELIGHT
- EXISTING "KEEP RIGHT" SIGN & BASELIGHT
- PROPOSED "KEEP RIGHT" SIGN & BASELIGHT
- EXISTING STOP OR ADVANCED WARNING SIGN WITH FLASHING BEACON
- PROPOSED STOP OR ADVANCED WARNING SIGN WITH FLASHING BEACON
- EXISTING SIGNALS AHEAD SIGN WITH FLASHING BEACON
- PROPOSED SIGNALS AHEAD SIGN WITH FLASHING BEACON
- EXISTING SIGN WITH ALTERNATING FLASHING BEACONS
- PROPOSED SIGN WITH ALTERNATING FLASHING BEACONS
- EXISTING "KEEP RIGHT" SIGN
- PROPOSED "KEEP RIGHT" SIGN
- EXISTING STREET NAME SIGN
- PROPOSED STREET NAME SIGN

POLES & HANDWELLS

- EXISTING POLE
- PROPOSED WOOD POLE
- PROPOSED GALVANIZED STEEL POLE INCLUDING CONCRETE BASE
- EXISTING CONCRETE HANDWELL
- PROPOSED CONCRETE HANDWELL
- EXISTING ELECTRICAL MANHOLE
- PROPOSED CUT-OUT

REMOVALS

- REMOVE AND SALVAGE TEMPORARY WOOD POLE C/W ALL EQUIPMENT AND WIRING
- REMOVE AND DISPOSE OF CONCRETE HANDWELL
- REMOVE AND DISPOSE OF CONDUIT
- REMOVE AND SALVAGE LUMINAIRE AND MAST ARM
- REMOVE AND SALVAGE TRAFFIC SIGNAL HEAD AND MAST ARM
- REMOVE AND SALVAGE POLE C/W ALL EQUIPMENT (REMOVE AND DISPOSE OF CONCRETE POLE BASE)

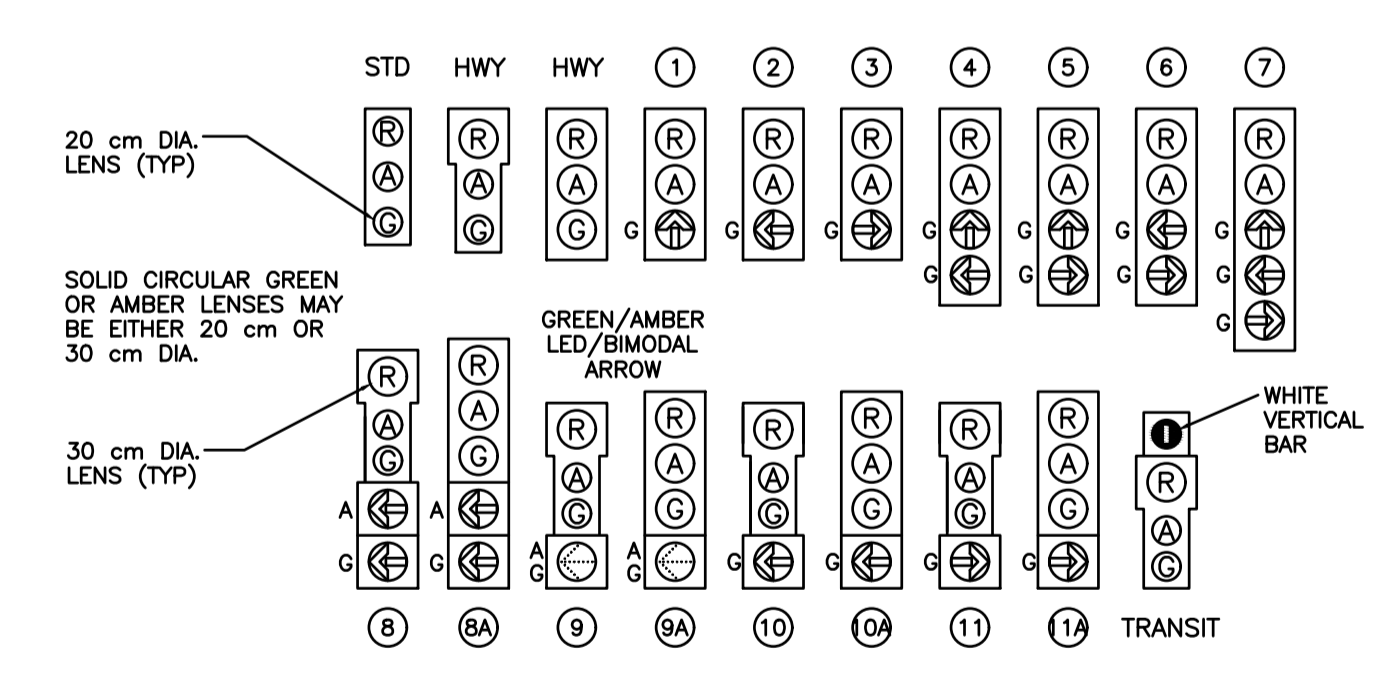
MISCELLANEOUS

- EXISTING GROUND ROD
- PROPOSED 20mm x 3m COPPER CLAD GROUND ROD WITH THERMIT WELD CONNECTION
- EXISTING BACK GUY
- PROPOSED BACK GUY
- EXISTING POLE MOUNTED TRANSFORMER
- PROPOSED POLE MOUNTED TRANSFORMER
- EXISTING FOURWAY AERIAL FLASHING BEACON
- PROPOSED FOURWAY AERIAL FLASHING BEACON
- EXISTING PIPE BUMPER
- PROPOSED PIPE BUMPER
- PROPOSED TACTILE WARNING PLATE

RIGHT OF WAY, FENCES, ETC.

- REGIONAL ROAD RIGHT OF WAY OR REGIONAL ROAD PROPERTY LIMIT WITHOUT FENCE
- FENCE ON REGIONAL RIGHT OF WAY OR REGIONAL PROPERTY LIMIT
- RIGHT OF WAY - ALL ROW LIMITS EXCLUDING REGIONAL RIGHT OF WAY
- FENCES - EXCLUDING THOSE OUTLINING REGIONAL LIMITS
- GATE
- GUIDE POST
- MAILBOX
- IN-GROUND SPRINKLER
- GAS FILLER PIPE (GTP-GAS TEST PIPE)
- WATER WELL
- HIGHWAY SIGN
- COMMERCIAL SIGN

TRAFFIC SIGNAL HEAD TYPES



- PROTECTED SIMULTANEOUS LEFT TURNS FOLLOWED BY PERMISSIVE LEFT TURNS WITH AMBER ARROW.
 - ADVANCED GREEN WITH GREEN ARROW.
- NOTE: FOR SPECIAL ARROW HEADS (8) (9) (10) (11) 200mm AMBER BALL AND 200mm GREEN BALL LENSES ARE TO BE USED.

UTILITIES

- EXIST. SAN/STORM SEWER
- GAS MAIN
- WATER MAIN
- UNDERGROUND BELL CABLE
- UNDERGROUND BELL CONDUIT
- UNDERGROUND FIBRE OPTIC STRUCTURE
- UNDERGROUND TV CABLE
- UNDERGROUND HYDRO CABLE
- GAS VALVE
- WATER VALVE
- FIRE HYDRANT
- MAINTENANCE HOLE SANITARY, GAS, WATER, BELL
- UTILITY POLE HYDRO, BELL, LAMP, TRAFFIC LIGHT
- EXISTING CULVERT

PAVEMENT MARKING LEGEND

NAME	DIMENSIONS	USE	SYMBOL
SOLID (WHITE)	0.10 (0.15)	EDGE LINES LANE LINES *CROSSWALKS ONLY (0.15 WIDE)	SW
WIDE SOLID (WHITE)	0.20	EDGE LINE THROUGH TRANSITION AREA	WSW
SOLID (YELLOW)	0.10	DIRECTIONAL DIVIDING LINES	SY
DOUBLE SOLID (YELLOW)	0.10 (0.15)	DIRECTIONAL DIVIDING LINES	DSY
BROKEN (YELLOW)	3.0 6.0 3.0 6.0 3.0	DIRECTIONAL DIVIDING LINES	BY
BROKEN-URBAN (WHITE)	3.0 6.0 3.0 6.0 3.0	URBAN LANE LINES, LOW SPEED	BTH
SIMULTANEOUS SOLID AND BROKEN (YELLOW)	3.0 6.0 3.0 6.0 3.0	DIRECTIONAL DIVIDING LINES	SB
SIMULTANEOUS SOLID AND BROKEN (YELLOW)	3.0 3.0 3.0 3.0 3.0	TWO-WAY LEFT TURN LANES (BROKEN LINE ON OUTSIDE & SOLID LINE ADJACENT TO CL)	SBS
BROKEN (WHITE)	3.0 3.0 3.0 3.0 3.0 3.0 3.0	LEFT OR RIGHT TURN LANE LINES	BTU
WIDE BROKEN (WHITE)	3.0 3.0 3.0 3.0 3.0 3.0	CONTINUITY LINES	BW
CONDENSED BROKEN (WHITE)	1.50 (TYP) LINE SPAC. 1.50 (TYP) SPACES	BUS BAYS (WHITE) *SLIDING LINES (WHITE) (E.G. INTERSECTION MOVEMENTS)	CB
WIDE BROKEN (WHITE)	6.0 3.0 6.0 3.0 6.0	H.O.V LANES	WB
LIMITS		DENOTES LIMITS OF SYMBOLS	LIM
HATCHING	SOLID YELLOW OR WHITE 0.45 WIDE, 45° ANGLE.	YELLOW FOR SEPARATION OF OPPOSING TRAFFIC WHITE FOR DIVERGING TRAFFIC	
STOP BLOCK	0.45	INTERSECTION STOP LINES (WHITE)	
CROSS	0.45	APPROACH TO RAILWAY CROSSING & PEDESTRIAN CROSSOVER (WHITE)	
RAILWAY STOP BLOCK	0.20 0.20	RAILWAY CROSSING STOP LINES (WHITE)	
		PROPOSED DURABLE 400mm x 400mm ELEPHANT FOOT PAVEMENT MARKING	
		PROPOSED 2.5m WIDE DURABLE LADDER CROSSWALK MARKING	

NOTES:
THE LOCATION OF UTILITIES IS APPROXIMATE ONLY. CONSULT THE RESPECTIVE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES TO DETERMINE THE EXACT LOCATION OF THEIR UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UTILITIES AND SHALL ADEQUATELY PROTECT AND SUPPORT THEM DURING CONSTRUCTION.



No.	DATE	REVISIONS	BY
5	22/02/03	ISSUED FOR TENDER	C.F.H.
4	21/04/20	100% SUBMISSION	C.F.H.
3	21/02/23	90% SUBMISSION FOR TOWN REVIEW	C.F.H.
2	21/01/04	ISSUED FOR YORK REGION FINAL REVIEW	C.F.H.
1	20/11/13	ISSUED FOR YORK REGION REVIEW	C.F.H.



DESIGN C.F.H.	YONGE STREET (Y.R.1) & WELLINGTON STREET (Y.R.15)	DWG. NO. 1000-E01
DRAWN R.A.W.		CONT. NO. 2022-38-PDS-ENG
CHECKED T.M.K.		SHEET NO. E01
ELECTRICAL LEGEND		

POLES & ELECTRICAL STRUCTURES

NOTE: ALL DIMENSIONS ARE TO THE CENTRE OF POLE BASES, POLES, HANDWELLS ETC.

LOCATION	POLE OR STRUCT. No.	STATION	O/S FROM €	O/S PARAL. TO E/P	STANDARDS	COMMENTS
YONGE STREET	P101	EXISTING		EXISTING		TO BE REMOVED
WELLINGTON STREET WEST	P102	EXISTING		EXISTING		TO BE REMOVED
WELLINGTON STREET WEST	P103	EXISTING		EXISTING		TO BE REMOVED
YONGE STREET	P104	EXISTING		EXISTING		TO BE REMOVED
YONGE STREET	P105	EXISTING		EXISTING		TO BE REMOVED
YONGE STREET	P106	EXISTING		EXISTING		TO BE REMOVED
WELLINGTON STREET EAST	P107	EXISTING		EXISTING		TO BE REMOVED
WELLINGTON STREET EAST	P108	EXISTING		EXISTING		TO BE REMOVED
YONGE STREET	P109	EXISTING		EXISTING		TO BE REMOVED
YONGE STREET	P110	EXISTING		EXISTING		EXISTING RLC TO BE REMOVED & RELOCATED BY OTHERS
YONGE STREET	P111	EXISTING		EXISTING		EXISTING RLC TO BE REMOVED & RELOCATED BY OTHERS
YONGE STREET	P112	9+988.46	2.78m	E-3.06, E-3.17, E-3.30		PROPOSED TRAFFIC SIGNAL POLE
WELLINGTON STREET WEST	P113	0+889.55	1.57m	E-2.17, E-2.18, E-3.06, E-3.30		PROPOSED TRAFFIC SIGNAL POLE c/w LIGHT STANDARD
WELLINGTON STREET WEST	P114	0+891.58	2.38m	E-2.17, E-2.18, E-3.06, E-3.30		PROPOSED TRAFFIC SIGNAL POLE c/w LIGHT STANDARD
YONGE STREET	P115	10+013.15	2.01m	E-2.17, E-2.18, E-3.06, E-3.30		PROPOSED TRAFFIC SIGNAL POLE
YONGE STREET	P116	10+015.65	3.05m	E-2.17, E-2.18, E-3.06, E-3.17, E-3.26, E-3.30		PROPOSED TRAFFIC SIGNAL POLE c/w LIGHT STANDARD & TRANSIT PRIORITY DEVICE
WELLINGTON STREET EAST	P117	0+918.46	2.08m	E-2.17, E-2.18, E-3.06, E-3.30		PROPOSED TRAFFIC SIGNAL POLE
WELLINGTON STREET EAST	P118	0+915.97	2.47m	E-2.17, E-2.18, E-3.06, E-3.17, E-3.30		PROPOSED TRAFFIC SIGNAL POLE c/w LIGHT STANDARD
YONGE STREET	P119	9+987.13	1.00m	E-3.06, E-3.30		PROPOSED TRAFFIC SIGNAL POLE
YONGE STREET	EHP/LS 101	EXISTING		EXISTING		EXISTING HP/LS TO BE REMOVED & RELOCATED BY OTHERS
YONGE STREET	HW101	EXISTING		EXISTING		
YONGE STREET	HW102	EXISTING		EXISTING		TO BE REMOVED
YONGE STREET	HW103	EXISTING		EXISTING		TO BE REMOVED
YONGE STREET	HW104	EXISTING		EXISTING		
WELLINGTON STREET EAST	HW105	EXISTING		EXISTING		
WELLINGTON STREET EAST	HW106	EXISTING		EXISTING		
YONGE STREET	HW107	1+056.24	3.55m	E-1.04		PROPOSED HANDWELL WITH 1 GROUND ROD
YONGE STREET	HW201	1+061.09	0.94m	E-1.03		PROPOSED HANDWELL (FOR FUTURE RLC DUCTS)
YONGE STREET	HW202	1+076.78	2.21m	E-1.03		PROPOSED HANDWELL (FOR FUTURE RLC DUCTS)
YONGE STREET	HW203	1+083.00	2.21m	E-1.03		PROPOSED HANDWELL (FOR FUTURE RLC DUCTS)
WELLINGTON STREET WEST	TP101	N/A	N/A	E-3.32, E-3.30		TEMP. TRAFFIC SIGNAL STAND: PLACE AS CONSTRUCTION PERMITS
YONGE STREET	TP102	N/A	N/A	E-3.32, E-3.30		TEMP. TRAFFIC SIGNAL STAND: PLACE AS CONSTRUCTION PERMITS
YONGE STREET	TP103	N/A	N/A	E-3.32, E-3.30		TEMP. TRAFFIC SIGNAL STAND: PLACE AS CONSTRUCTION PERMITS
WELLINGTON STREET EAST	TP104	N/A	N/A	E-3.32, E-3.30		TEMP. TRAFFIC SIGNAL STAND: PLACE AS CONSTRUCTION PERMITS

CO-ORDINATES

POLE OR STRUCTURE No.	NORTHING	EASTING
P112	4872962.704	622855.079
P113	4872963.348	622851.120
P114	4872981.318	622847.630
P115	4872986.485	622847.989
P116	4872993.119	622869.251
P117	4872991.354	622872.434
P118	4872970.644	622876.519
P119	4872964.675	622872.368
DC101	4872959.726	622858.762
DC102	4872961.195	622858.457
DC103	4872962.667	622858.135
DC104	4872963.982	622857.430
DC105	4872965.570	622854.028
DC106	4872965.416	622852.540
DC107	4872964.985	622851.095
DC108	4872964.533	622849.665
DC109	4872978.221	622847.259
DC110	4872979.262	622848.336
DC111	4872981.086	622849.511
DC112	4872982.496	622850.014
DC113	4872983.794	622850.233
DC114	4872985.292	622850.219
DC115	4872986.783	622849.962
DC116	4872988.256	622849.677
DC117	4872993.319	622865.941
DC118	4872991.955	622866.545
DC119	4872990.702	622867.568
DC120	4872989.831	622868.797
DC121	4872989.494	622869.564
DC122	4872989.177	622871.025
DC123	4872989.247	622872.541
DC124	4872989.657	622873.984
DC125	4872973.442	622877.186
DC126	4872972.979	622875.760
DC127	4872972.505	622874.318
DC128	4872971.815	622872.942
DC129	4872968.307	622870.818
DC130	4872966.818	622870.948
DC131	4872965.332	622871.227
DC132	4872963.860	622871.517

- ALL CONNECTIONS BETWEEN HANDWELLS AND CONCRETE POLE BASES FOR TRAFFIC SIGNAL POLES OR PEDESTRIAN POLES ARE TO BE MADE WITH 75mmØ RIGID PVC CONDUIT UNLESS OTHERWISE INDICATED.
- WHEN IT IS NECESSARY TO BREAK INTO EXISTING CONCRETE HANDWELLS FOR PLACEMENT OF ADDITIONAL DUCTS, THESE DUCTS MUST BE PLACED NEATLY WITHOUT CAUSING STRUCTURAL DAMAGE AND ARE TO BE PROPERLY GROUTED.
- THE MATERIAL REMOVED FROM TUNNELING UNDER THE EXISTING CURB AND GUTTER OR SIDEWALK MUST BE REPLACED BY TAMPING INTERMITTENTLY TO ENSURE PROPER COMPACTION WITH NO CAVITIES.
- POLES ARE TO BE PLACED SO THAT THE POLE HANDHOLES ARE ON THE HOUSE SIDE OF THE POLES. MEDIAN POLES ARE TO BE PLACED SO THAT THE HANDHOLE IS FACING AWAY FROM THE INTERSECTION.
- THE PEDESTRIAN HEADS ARE TO BE MOUNTED 2.7m ABOVE THE GROUND.
- THE ACCESSIBLE PEDESTRIAN STATIONS ARE TO BE MOUNTED 1.1m ABOVE THE GROUND IN THE LOCATIONS INDICATED ON THE DRAWING. A PEDESTRIAN SIGN (SYMBOL TYPE, G-19L/G-19R) SHALL BE MOUNTED IMMEDIATELY ABOVE EACH PUSHBUTTON. THE SIGN WILL BE SUPPLIED BY THE REGION.
- SEE STANDARD DRAWING E-3.24 FOR TREATMENT OF WIRE INDUCTIVE LOOPS CROSSING BUTT OR IRREGULARITY. SEE STANDARD DRAWING E-3.25 FOR LOOP DETECTOR LEAD-IN DETAILS. FOAM BACKER RODS ARE TO BE USED FOR THE INSTALLATION OF THE LOOP DETECTORS. THEY ARE TO BE INSTALLED ON TOP OF THE LOOP WIRE, SPACED EVERY 600mm.
- ALL CONNECTIONS FOR THE BURIED CABLE ARE TO BE MADE IN THE HANDHOLE OF THE STEEL POLES UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS TO CONTACT THE APPROPRIATE HYDRO AUTHORITY FOR ALL CONNECTIONS TO AND/OR DISCONNECTIONS FROM POWER. INSTALLATION OF THE POWER SUPPLY AND THE POWER CONNECTION MUST BE COMPLETED VERY EARLY IN THE CONTRACT TO ENSURE THERE IS NO DELAY TO THE TRAFFIC SIGNAL AND/OR ILLUMINATION TURN ON.
- WHERE PROPOSED CONDUIT WILL CONFLICT WITH THE EXISTING 150mmØ SUBDRAIN, ADJUST THE BURIAL DEPTH OF THE CONDUIT.
- GROUND PROPOSED POLES AND HANDWELL FRAMES USING NO. 6 AWG GREEN GROUND WIRE, POLES ARE TO BE CONNECTED TO SYSTEM GROUND WIRE IN THE NEAREST HANDWELL, CONNECTION IS TO BE MADE USING THERMIT WELD 'T' SPLICE, CHECK THE RESISTANCE TO GROUND.
- THE POLES ARE TO BE INSTALLED DIRECTLY ON TOP OF THE CONCRETE POLE BASES AND LEVELED WITH GALVANIZED STEEL SHIMS, IF NECESSARY. DOUBLE NUTTING OF POLES WILL NOT BE ALLOWED.
- ALL LUMINAIRES ARE TO BE MOUNTED ON 3.7m MAST ARMS, UNLESS OTHERWISE SPECIFIED.
- WHERE PROPOSED CONDUIT CROSSES THE EXISTING ROAD (ONLY WHEN INDICATED ON THE DRAWING), THE CONTRACTOR IS TO SAW CUT, REMOVE AND REPLACE THE EXISTING DEPTH OF ASPHALT WITH HL-3 ASPHALTIC CONCRETE PLACED IN 50mm LIFTS. THE AVERAGE DEPTH OF THE EXISTING ASPHALT IS APPROXIMATELY 250mm. A TRENCHER EQUIPPED WITH A ROCK WHEEL MAY BE USED IN PLACE OF SAW CUTTING.
- IF IT IS NECESSARY FOR THE CONTRACTOR TO WORK WITHIN 3 METRES OF PRIMARY HYDRO LINES, THE CONTRACTOR IS TO HAVE THE APPROPRIATE HYDRO AUTHORITY PRESENT FOR THEIR ASSISTANCE/ADVICE TO DO THE WORK.
- ALL HOLES LEFT FROM THE REMOVAL OF THE CONCRETE POLE BASES AND HANDWELL ARE TO BE FILLED WITH GRANULAR 'A' COMPACTED TO 100% STANDARD PROCTOR DENSITY OR EARTH COMPACTED TO 95% OF M.D.D. DEPENDING ON WHAT THE LOCAL MATERIAL IS, UNLESS OTHERWISE NOTED.
- ALL CONDUIT THAT IS TO BE ABANDONED, UNDER THE EXISTING ROAD, MUST BE PLUGGED USING THE CONDUIT MANUFACTURER'S PLUGS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT HE HAS AN UP TO DATE SET OF YORK REGION ELECTRICAL STANDARD DRAWINGS. A FULL SET OF THE DRAWINGS MAY BE OBTAINED FROM YORK REGION, TRANSPORTATION SERVICES DEPARTMENT, CAPITAL PLANNING AND DELIVERY BRANCH.
- FOR TYPICAL WIRING DETAILS SEE STANDARD DWG. E-4.01, E-4.02, E-4.03.
- STOP LINES AND CROSSWALK LINES ARE TO BE PLACED WITHIN A 24 HOUR PERIOD TO THE TRAFFIC SIGNAL TURN ON.

JOINTS BETWEEN LOOP WIRE & HOMERUN CABLE ARE TO BE MADE AS FOLLOWS

LOOP DETECTOR No.	SPLICE POINT	REMARKS
LD101	P113	POLE HANDHOLE
LD102	P113	POLE HANDHOLE
LD103	P113	POLE HANDHOLE
LD104	P115	POLE HANDHOLE
LD105	P117	POLE HANDHOLE
LD106	P117	POLE HANDHOLE
LD107	P117	POLE HANDHOLE
LD108	P117	POLE HANDHOLE
LD109	P119	POLE HANDHOLE

POLE ASSEMBLIES

POLE NO.	POLE DESCRIPTION	TRAFFIC SIGNAL MAST ARM	HANGER/PLUMBIZER/BACKET	LUMINAIRE MAST ARM	LUMINAIRE	COMMENTS
P101	EXISTING	EXISTING				TO BE REMOVED
P102	EXISTING	EXISTING		EXISTING	EXISTING	TO BE REMOVED
P103	EXISTING	EXISTING		EXISTING	EXISTING	TO BE REMOVED
P104	EXISTING	N/A				TO BE REMOVED
P105	EXISTING	EXISTING				TO BE REMOVED
P106	EXISTING	EXISTING		EXISTING	EXISTING	TO BE REMOVED
P107	EXISTING	EXISTING				TO BE REMOVED
P108	EXISTING	EXISTING		EXISTING	EXISTING	TO BE REMOVED
P109	EXISTING	EXISTING				TO BE REMOVED
P110	EXISTING	RLC				
P111	EXISTING	RLC				
P112	VALMONT 8620 (EXISTING BASE)	TR 18 SMA-81	1 PLUMBIZER & 1 BRACKET			PROPOSED TRAFFIC SIGNAL POLE
P113	VALMONT 8530 (EXISTING BASE)	TR 10 SMA-81	1 PLUMBIZER & 1 BRACKET	ALP-RE12M	98W LED	PROPOSED TRAFFIC SIGNAL POLE c/w ALUMINUM MAST ARM
P114	VALMONT 8530 (600mm BASE)	TR 15 SMA-81	1 PLUMBIZER & 1 BRACKET	ALP-RE12M	98W LED	PROPOSED TRAFFIC SIGNAL POLE c/w ALUMINUM MAST ARM
P115	VALMONT 8620 (600mm BASE)	TR 18 SMA-81	1 PLUMBIZER & 1 BRACKET			PROPOSED TRAFFIC SIGNAL POLE
P116	VALMONT 8530 (600mm BASE)	TR 15 SMA-81	1 PLUMBIZER & 1 BRACKET	ALP-RE12M	98W LED	PROPOSED TRAFFIC SIGNAL POLE c/w ALUMINUM MAST ARM
P117	VALMONT 8620 (600mm BASE)	TR 12 SMA-81	1 PLUMBIZER & 1 BRACKET			PROPOSED TRAFFIC SIGNAL POLE
P118	VALMONT 8530 (600mm BASE)	TR 15 SMA-81	1 PLUMBIZER & 1 BRACKET	ALP-RE12M	98W LED	PROPOSED TRAFFIC SIGNAL POLE c/w ALUMINUM MAST ARM
P119	VALMONT 8620 (EXISTING BASE)	TR 12 SMA-81	1 PLUMBIZER & 1 BRACKET			PROPOSED TRAFFIC SIGNAL POLE
TP101	TEMPORARY STAND					
TP102	TEMPORARY STAND					
TP103	TEMPORARY STAND					
TP104	TEMPORARY STAND					

ROAD/STREET NAME SIGN CHART

NAME ON SIGN	POLE NO.	REMAIN IN PLACE	REMOVE & DELIVER TO REGION	FOR PROP. TEMP TCS (E-7.18) (E-7.19) (E-7.32)	FOR PROP. PERM TCS (E-7.18) (E-7.19) (E-7.20)	WITH RIGHT ARROW	WITH LEFT ARROW	MOUNT BACK TO BACK	MOUNT ON SPAN WIRE OR MAST ARM
WELLINGTON ST WEST	P101		X						REMOVE
WELLINGTON ST WEST	P101		X						REMOVE
YONGE STREET	P103		X						REMOVE
WELLINGTON ST EAST	P106		X						REMOVE
WELLINGTON ST EAST	P106		X						REMOVE
YONGE STREET	P108		X						REMOVE
15 Wellington St W	P112				X	X			MAST ARM
15 Wellington St W	P112				X		X		MAST ARM
1 Yonge St	P114				X				MAST ARM
15 Wellington St E	P116				X	X			MAST ARM
15 Wellington St E	P116				X		X		MAST ARM
1 Yonge St	P118				X				MAST ARM

WHEN ORDERING ROAD/STREET NAME SIGNS IN 'SIGN SHOPPER' YOU MUST INDICATE IF THEY ARE FOR TEMPORARY OR PERMANENT INSTALLATION

TYPE AND LOCATION OF TRAFFIC SIGNAL HEADS

LOCATION	No.	TYPE	BACKBOARD	MAST ARM OR OFFSET	COMMENTS
WB SECONDARY	101	SPECIAL	YES	3.0m	NEW No.9A F.O.
WB PRIMARY	102	SPECIAL	YES	4.6m	NEW No.9A F.O.
NB SECONDARY	103	SPECIAL	YES	5.5m	NEW No.9A F.O.
NB PRIMARY	104	SPECIAL	YES	4.6m	NEW No.9A F.O.
EB SECONDARY	105	SPECIAL	YES	3.7m	NEW No.9A F.O.
EB PRIMARY	106	SPECIAL	YES	4.6m	NEW No.9A F.O.
SB SECONDARY	107	SPECIAL	YES	3.7m	NEW No.9A F.O.
SB PRIMARY	108	SPECIAL	YES	5.5m	NEW No.9A F.O.

PERMANENT ROADWAY SIGNING CHART

TYPE	MOUNTING	REMAIN IN PLACE	REMOVE & DELIVER TO REGION	REMOVE, SALVAGE & REINSTALL	INSTALL	PROPOSED STATION	PROPOSED OFFSET FROM E/P
GO Transit "LEFT"	BAND TO POLE	P116		X		10+015.65	3.05m

REMOVALS - EXISTING TRAFFIC CONTROL SIGNAL EQUIPMENT

EQUIPMENT	REMOVE & SALVAGE	REMOVE & DISPOSE OF	RE-USE	TRANSFER TO CONTRACTOR	DELIVER TO REGION	COMMENTS
STEEL POLE	9			9		
PEDESTRIAN SIGNAL w/COUNTDOWN HEAD	8			8		
PEDESTRIAN PUSHBUTTON		4				
CONCRETE POLE BASE		6				
TRAFFIC SIGNAL HEADS	8			8		
PRE-EMPTION DETECTOR	2		2			
CCTV CAMERA	1		1			
TRANSIT DETECTOR ANTENNA	1		1			
MISC. WIRING AND SUNDRY EQUIPMENT		X				

NOTES:
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No.	DATE	REVISIONS	BY
5	22/02/03		
4	21/04/20		
3	21/02/23	ISSUED FOR TENDER	C.F.H.
2	21/01/04	100% SUBMISSION	C.F.H.
1	20/11/13	90% SUBMISSION FOR TOWN REVIEW	C.F.H.
		ISSUED FOR YORK REGION FINAL REVIEW	C.F.H.
		ISSUED FOR YORK REGION REVIEW	C.F.H.



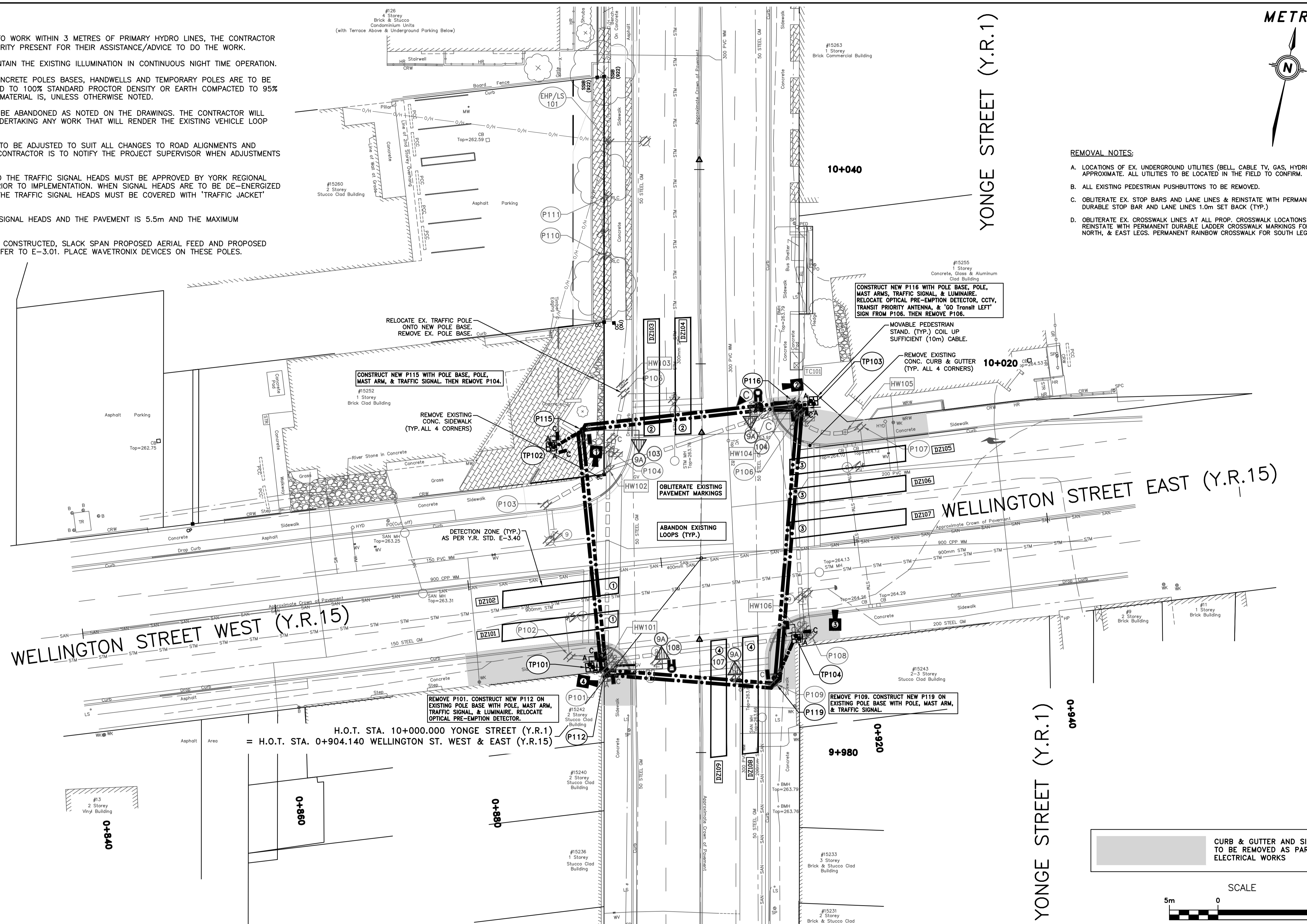
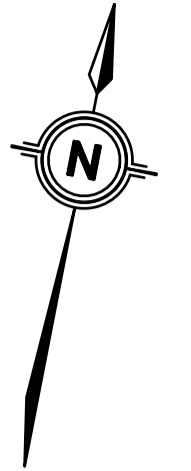
DESIGN C.F.H.	YONGE STREET (Y.R.1) & WELLINGTON STREET (Y.R.15)	DWG. NO. 1000-E02
DRAWN R.A.W.		CONT. NO. 2022-38-PDS-ENG
CHECKED T.M.K.		SHEET NO. E02

ELECTRICAL CHARTS & NOTES

NOTES FOR TEMPORARY SIGNALS

- IF IT IS NECESSARY FOR THE CONTRACTOR TO WORK WITHIN 3 METRES OF PRIMARY HYDRO LINES, THE CONTRACTOR IS TO HAVE THE APPROPRIATE HYDRO AUTHORITY PRESENT FOR THEIR ASSISTANCE/ADVICE TO DO THE WORK.
- THE WORK MUST BE STAGED SO AS TO MAINTAIN THE EXISTING ILLUMINATION IN CONTINUOUS NIGHT TIME OPERATION.
- ALL HOLES LEFT FROM THE REMOVAL OF CONCRETE POLES BASES, HANDWELLS AND TEMPORARY POLES ARE TO BE FILLED WITH EITHER GRANULAR 'A' COMPACTED TO 100% STANDARD PROCTOR DENSITY OR EARTH COMPACTED TO 95% OF M.D.D. DEPENDING ON WHAT THE LOCAL MATERIAL IS, UNLESS OTHERWISE NOTED.
- EXISTING VEHICLE LOOP DETECTORS ARE TO BE ABANDONED AS NOTED ON THE DRAWINGS. THE CONTRACTOR WILL CONTACT THE REGION 1 WEEK PRIOR TO UNDERTAKING ANY WORK THAT WILL RENDER THE EXISTING VEHICLE LOOP DETECTORS INOPERATIVE.
- TEMPORARY TRAFFIC CONTROL SIGNALS ARE TO BE ADJUSTED TO SUIT ALL CHANGES TO ROAD ALIGNMENTS AND CONSTRUCTION STAGING AS REQUIRED. THE CONTRACTOR IS TO NOTIFY THE PROJECT SUPERVISOR WHEN ADJUSTMENTS ARE REQUIRED.
- ALL LOCATION AND ORIENTATION CHANGES TO THE TRAFFIC SIGNAL HEADS MUST BE APPROVED BY YORK REGIONAL ELECTRICAL CONSTRUCTION COORDINATOR, PRIOR TO IMPLEMENTATION. WHEN SIGNAL HEADS ARE TO BE DE-ENERGIZED TO ACCOMMODATE CONSTRUCTION STAGING, THE TRAFFIC SIGNAL HEADS MUST BE COVERED WITH 'TRAFFIC JACKET' SIGNAL COVERS.
- MINIMUM CLEARANCE BETWEEN THE TRAFFIC SIGNAL HEADS AND THE PAVEMENT IS 5.5m AND THE MAXIMUM CLEARANCE IS 6.1m.
- ONCE P112, P115, P116, & P119 HAVE BEEN CONSTRUCTED, SLACK SPAN PROPOSED AERIAL FEED AND PROPOSED AERIAL TRAFFIC CABLE TO THESE POLES. REFER TO E-3.01. PLACE WAVETRONIX DEVICES ON THESE POLES.

METRIC



- REMOVAL NOTES:**
- LOCATIONS OF EX. UNDERGROUND UTILITIES (BELL, CABLE TV, GAS, HYDRO) ARE APPROXIMATE. ALL UTILITIES TO BE LOCATED IN THE FIELD TO CONFIRM.
 - ALL EXISTING PEDESTRIAN PUSHBUTTONS TO BE REMOVED.
 - OBLITERATE EX. STOP BARS AND LANE LINES & REINSTATE WITH PERMANENT DURABLE STOP BAR AND LANE LINES 1.0m SET BACK (TYP.)
 - OBLITERATE EX. CROSSWALK LINES AT ALL PROP. CROSSWALK LOCATIONS & REINSTATE WITH PERMANENT DURABLE LADDER CROSSWALK MARKINGS FOR WEST, NORTH, & EAST LEGS. PERMANENT RAINBOW CROSSWALK FOR SOUTH LEG.

CURB & GUTTER AND SIDEWALK TO BE REMOVED AS PART OF ELECTRICAL WORKS



NOTES:
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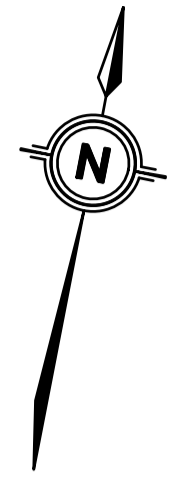


No.	DATE	REVISIONS	BY
5	22/02/03	ISSUED FOR TENDER	C.F.H.
4	21/04/20	100% SUBMISSION	C.F.H.
3	21/02/23	90% SUBMISSION FOR TOWN REVIEW	C.F.H.
2	21/01/04	ISSUED FOR YORK REGION FINAL REVIEW	C.F.H.
1	20/11/13	ISSUED FOR YORK REGION REVIEW	C.F.H.



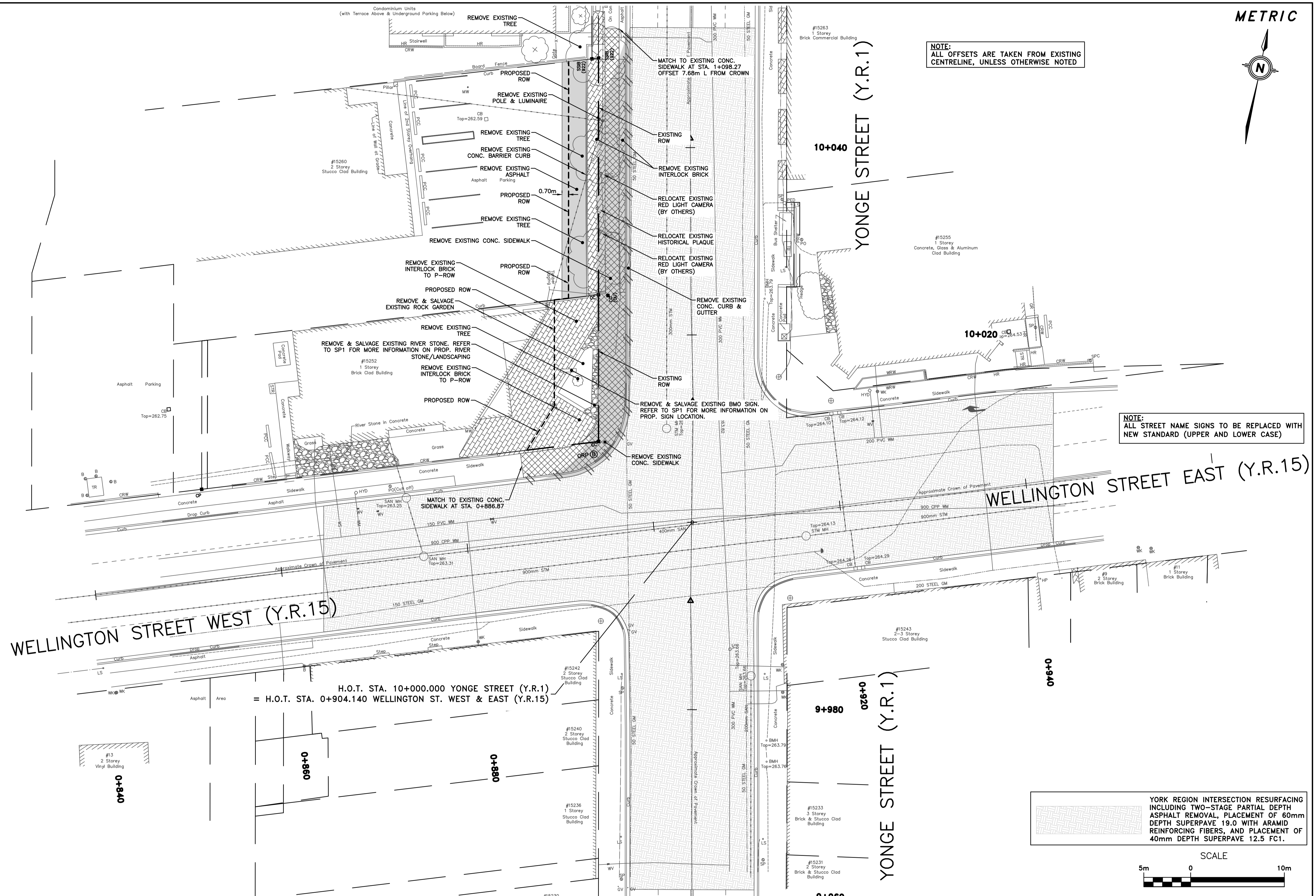
DESIGN C.F.H.	YONGE STREET (Y.R.1) & WELLINGTON STREET (Y.R.15) TEMPORARY TRAFFIC CONTROL SIGNALS, ILLUMINATION, & REMOVALS PLAN	DWG. NO. 1000-E03
DRAWN R.A.W.		CONT. NO. 2022-38-PDS-ENG
CHECKED T.M.K.		SHEET NO. E03

METRIC



NOTE:
ALL OFFSETS ARE TAKEN FROM EXISTING
CENTRELINE, UNLESS OTHERWISE NOTED

NOTE:
ALL STREET NAME SIGNS TO BE REPLACED WITH
NEW STANDARD (UPPER AND LOWER CASE)



YORK REGION INTERSECTION RESURFACING
INCLUDING TWO-STAGE PARTIAL DEPTH
ASPHALT REMOVAL, PLACEMENT OF 60mm
DEPTH SUPERPAVE 19.0 WITH ARAMID
REINFORCING FIBERS, AND PLACEMENT OF
40mm DEPTH SUPERPAVE 12.5 FC1.



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AND UTILITY COMPANIES TO DETERMINE THE EXACT
LOCATION OF THEIR UTILITIES. THE CONTRACTOR
SHALL VERIFY THE LOCATION OF UTILITIES AND
SHALL ADEQUATELY PROTECT AND SUPPORT THEM
DURING CONSTRUCTION.



No.	DATE	REVISIONS	BY
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1	20/11/13	ISSUED FOR YORK REGION REVIEW	C.F.H.



DESIGN
C.F.H.
DRAWN
R.A.W.
CHECKED
T.M.K.

YONGE STREET (Y.R.1) &
WELLINGTON STREET (Y.R.15)
CIVIL WORKS REMOVALS PLAN

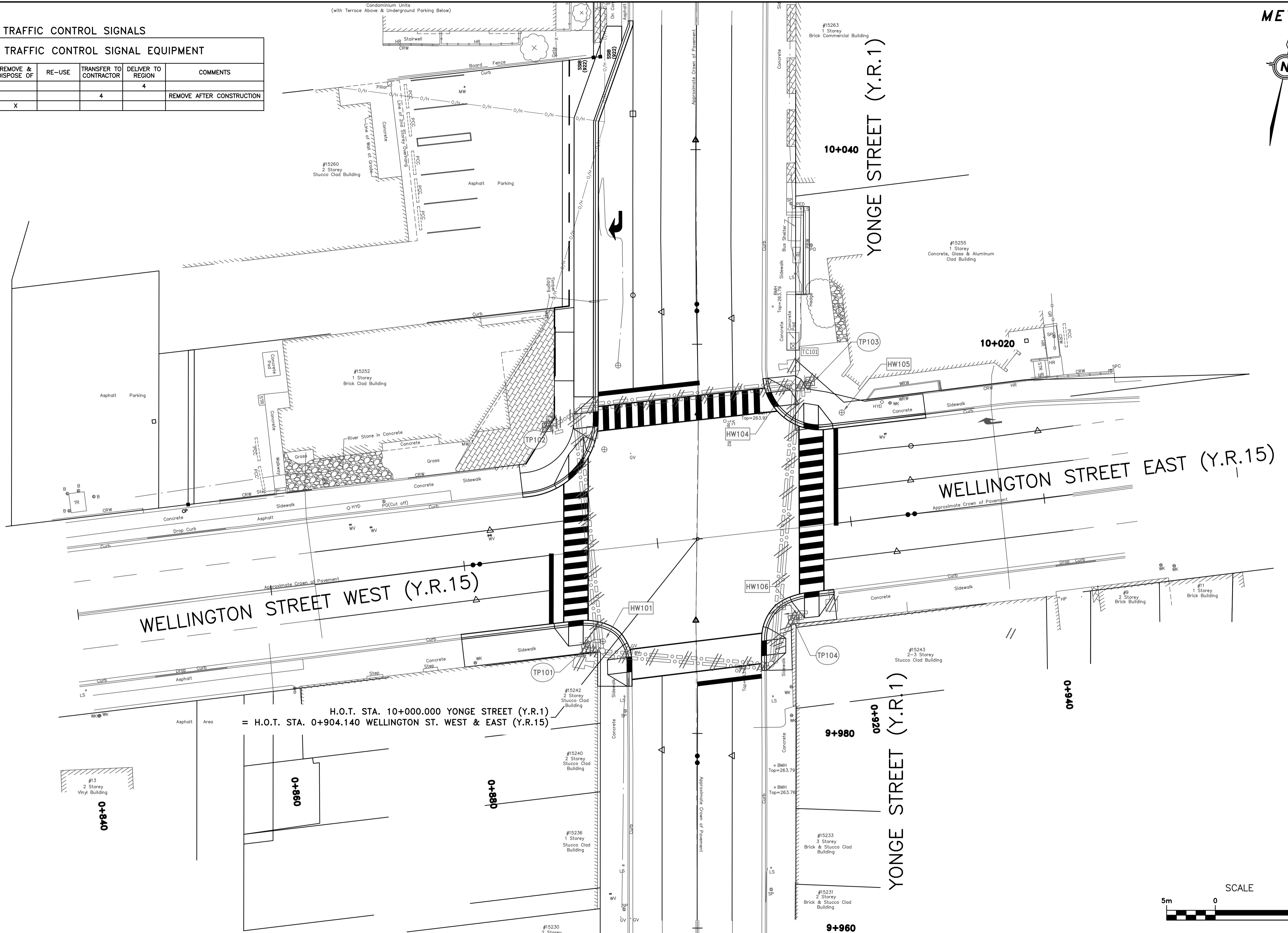
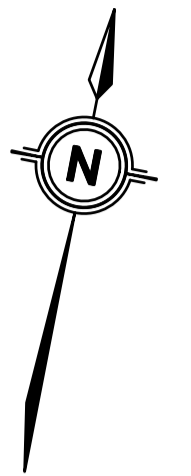
DWG. NO.
1000-E04
CONT. NO.
2022-38-PDS-ENG
SHEET NO.
E04

TEMPORARY TRAFFIC CONTROL SIGNALS

REMOVALS - EXISTING TRAFFIC CONTROL SIGNAL EQUIPMENT

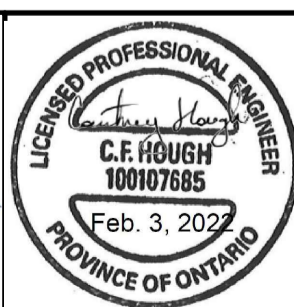
EQUIPMENT	REMOVE & SALVAGE	REMOVE & DISPOSE OF	RE-USE	TRANSFER TO CONTRACTOR	DELIVER TO REGION	COMMENTS
WAVETRONIX	4				4	
TEMPORARY PEDESTRIAN STAND & EQUIPMENT	4			4		REMOVE AFTER CONSTRUCTION
MISC. WIRING AND SUNDRY EQUIPMENT		X				

METRIC



H.O.T. STA. 10+000.000 YONGE STREET (Y.R.1)
 = H.O.T. STA. 0+904.140 WELLINGTON ST. WEST & EAST (Y.R.15)

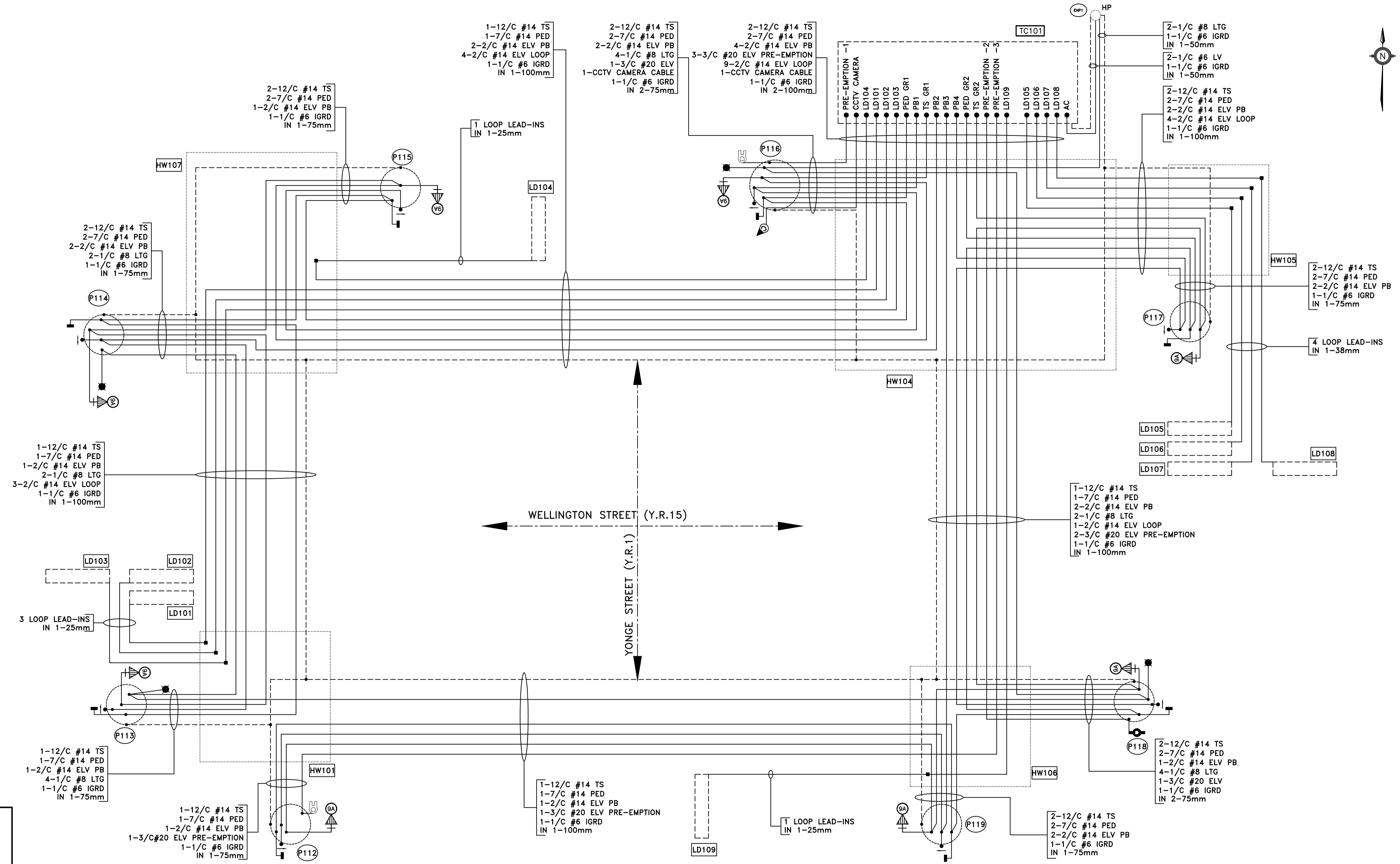
NOTES:
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 CONSULT THE RESPECTIVE MUNICIPAL AUTHORITIES
 AND UTILITY COMPANIES TO DETERMINE THE EXACT
 LOCATION OF THEIR UTILITIES. THE CONTRACTOR
 SHALL VERIFY THE LOCATION OF UTILITIES AND
 SHALL ADEQUATELY PROTECT AND SUPPORT THEM
 DURING CONSTRUCTION.



No.	DATE	REVISIONS	BY
5	22/02/03		
4	21/04/20	ISSUED FOR TENDER	C.F.H.
3	21/02/23	100% SUBMISSION	C.F.H.
2	21/01/04	90% SUBMISSION FOR TOWN REVIEW	C.F.H.
1	20/11/13	ISSUED FOR YORK REGION FINAL REVIEW	C.F.H.
		ISSUED FOR YORK REGION REVIEW	C.F.H.



DESIGN C.F.H.	YONGE STREET (Y.R.1) & WELLINGTON STREET (Y.R.15) REMOVAL OF TEMPORARY TRAFFIC CONTROL SIGNALS & ILLUMINATION	DWG. NO. 1000-E06
DRAWN R.A.W.		CONT. NO. 2022-38-PDS-ENG
CHECKED T.M.K.		SHEET NO. E06



LEGEND:

LV	LOW VOLTAGE CABLE
LTG	LIGHTING CABLE
TS	TRAFFIC SIGNAL CABLE
ELV	EXTRA LOW VOLTAGE CABLE
IGRD	INSULATED GROUND CABLE
PB	PUSHBUTTON CABLE
PED	PEDESTRIAN SIGNAL HEAD CABLE



NOTE:
THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE DURING CONSTRUCTION.



No.	DATE	REVISIONS	BY
1	2021-05-07	ISSUED FOR TENDER	C.F.H.
1	2021-04-09	ISSUED FOR 100% SUBMISSION FOR TOWN REVIEW	C.F.H.

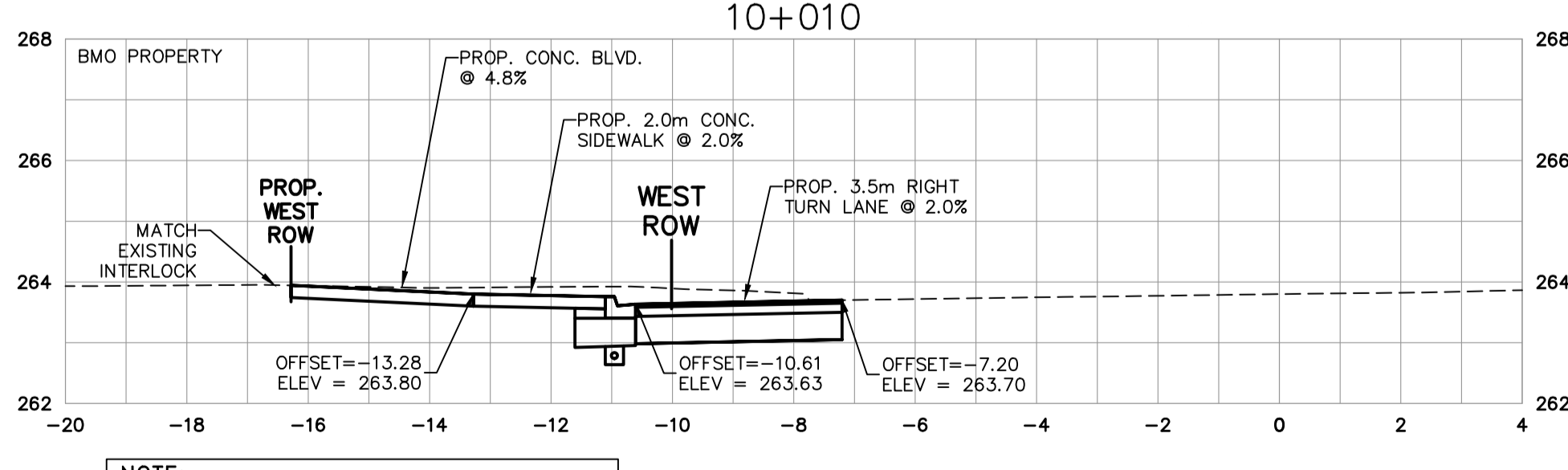
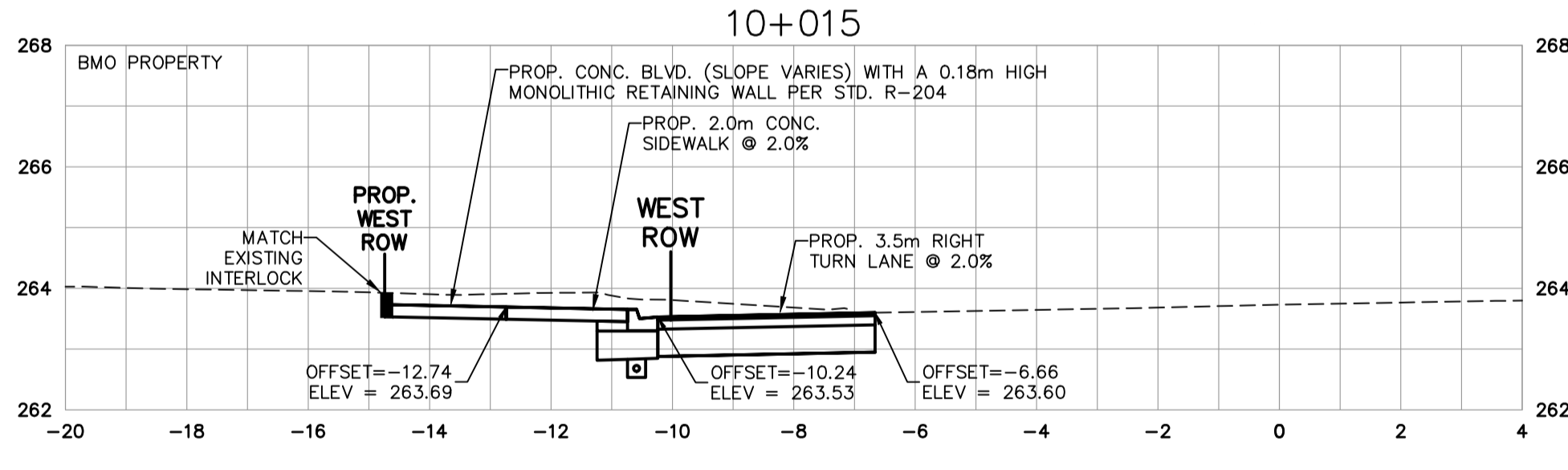
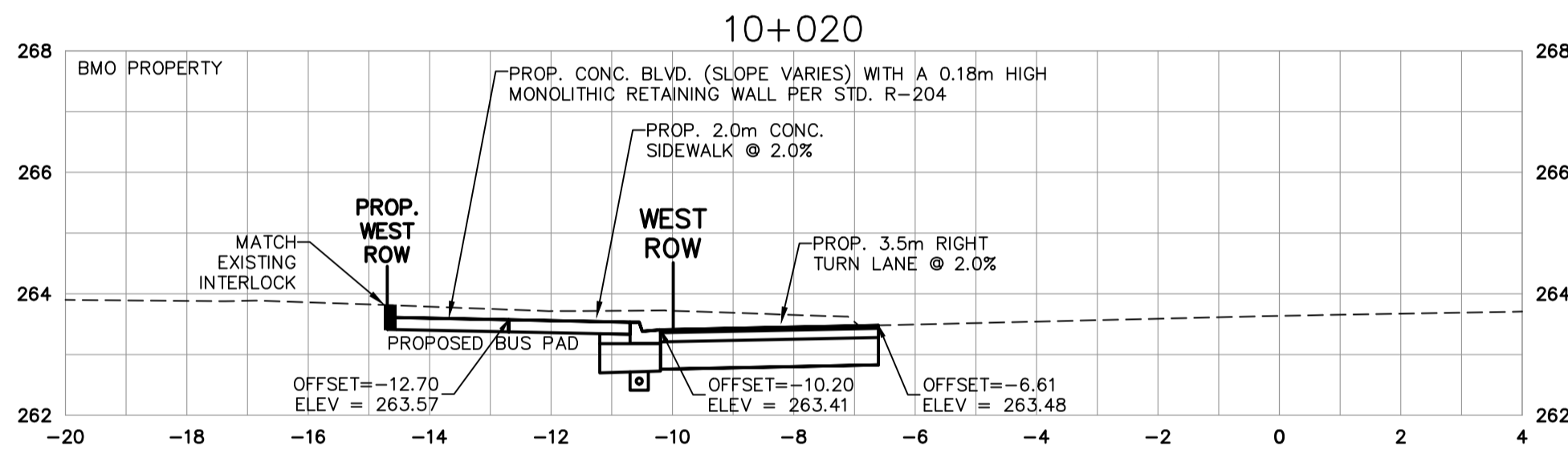
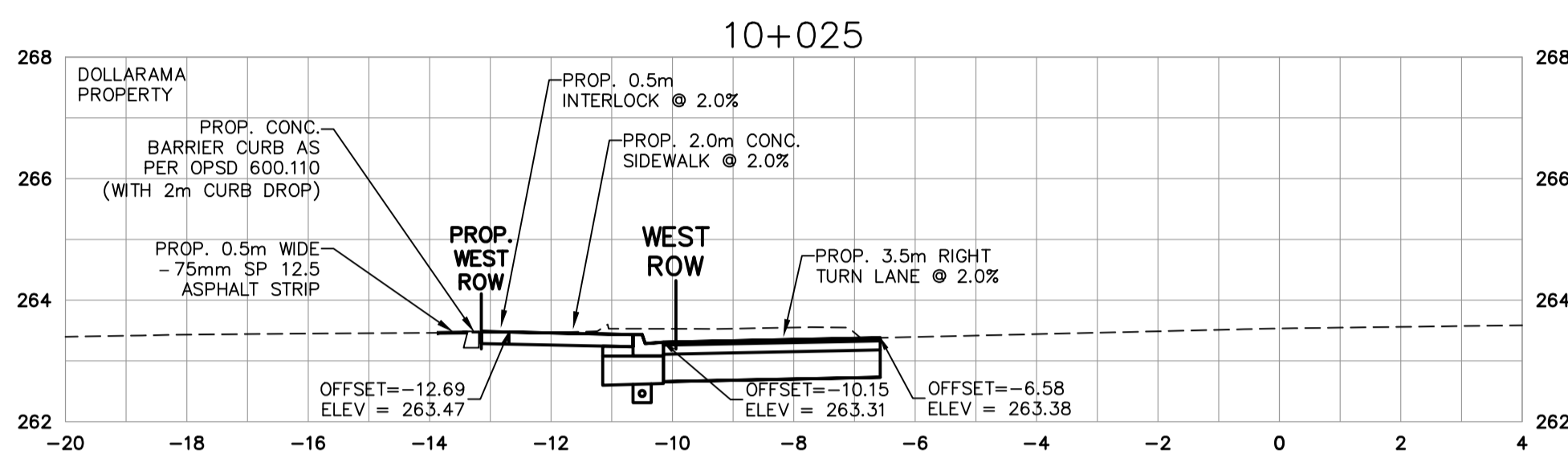
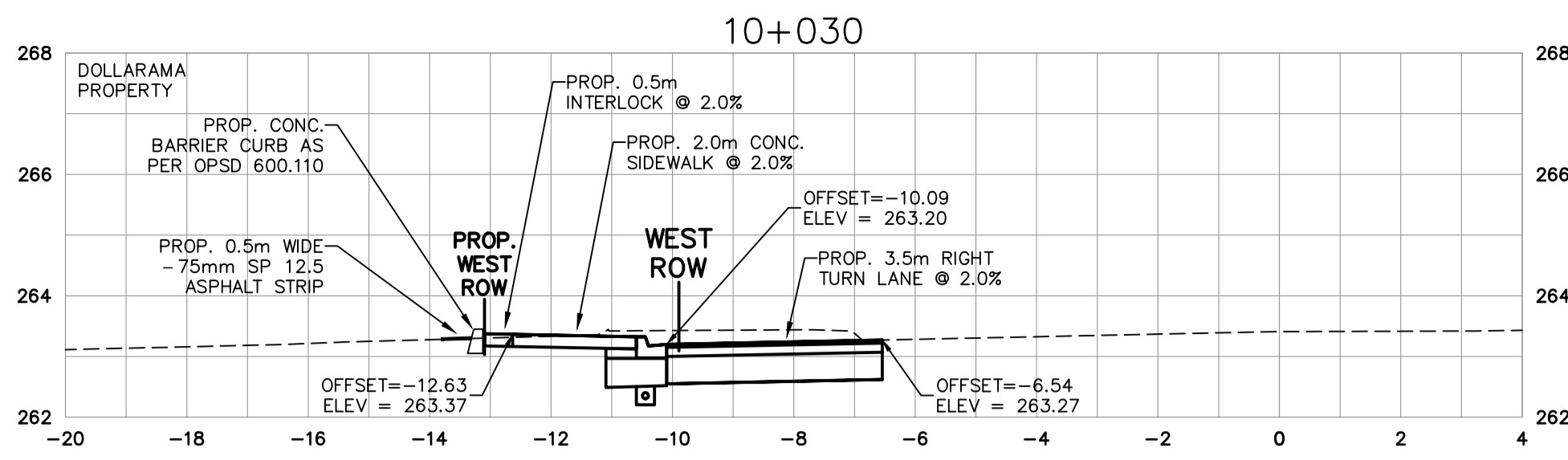


DESIGN R.P.
DRAWN R.P.
CHECKED A.S.

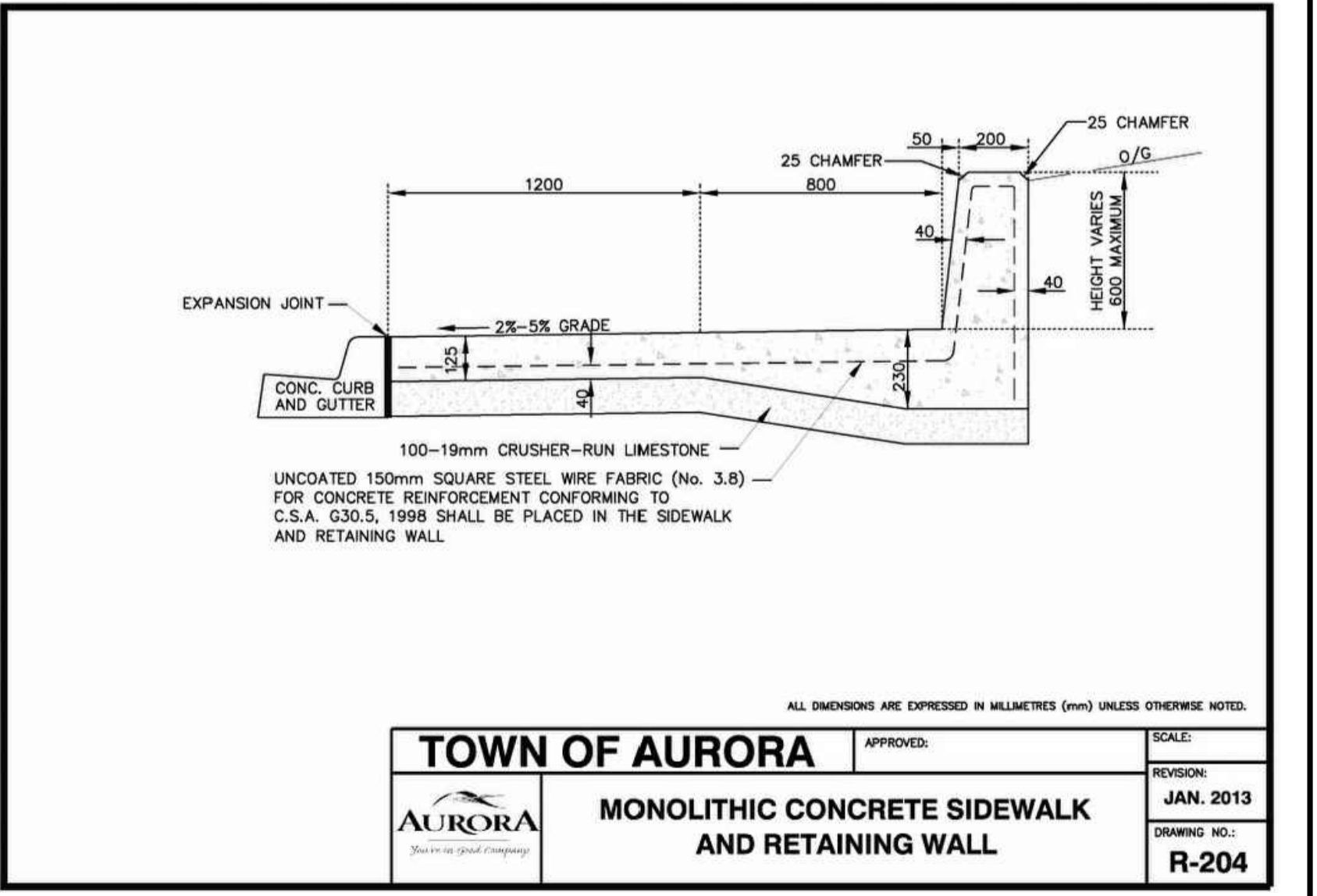
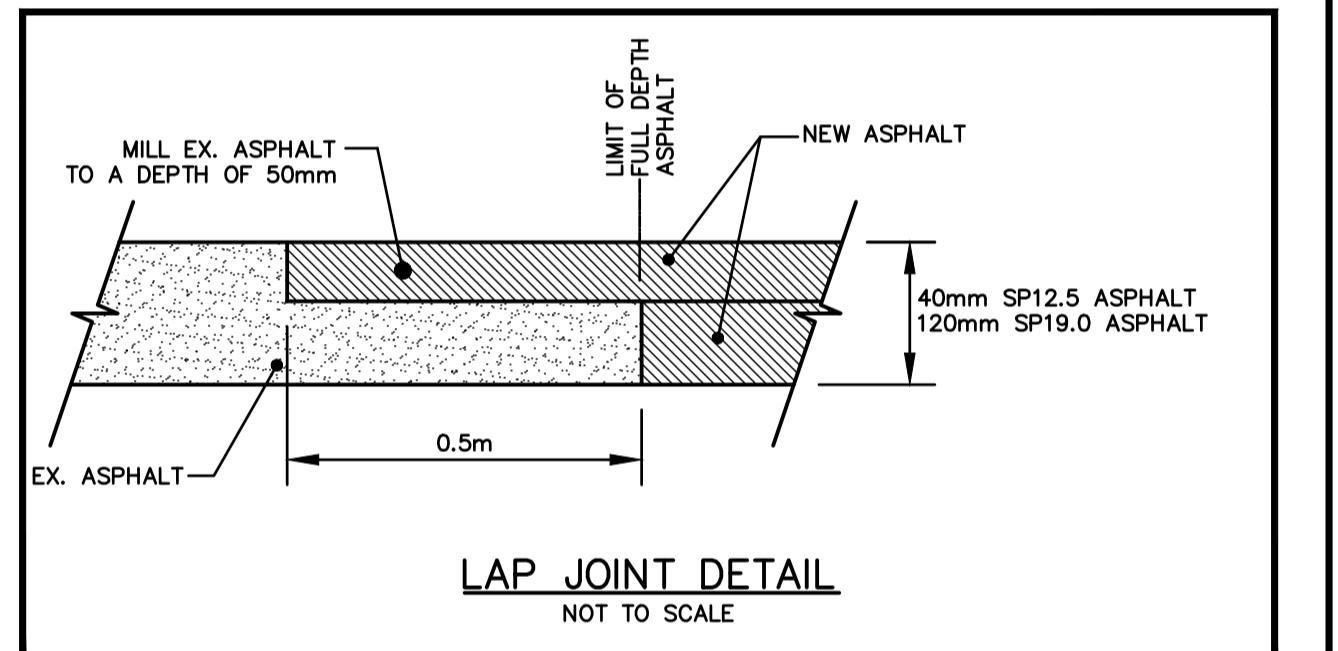
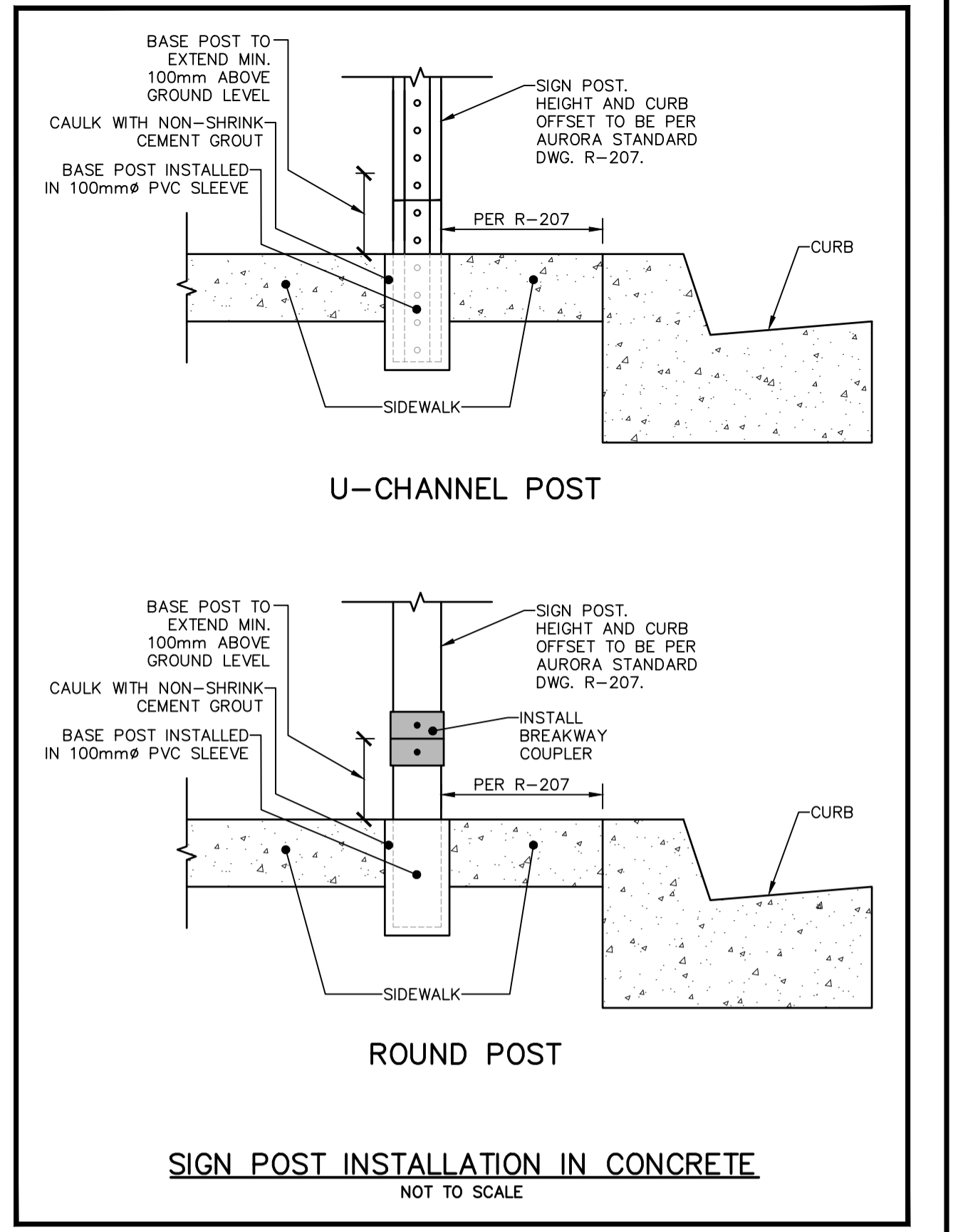
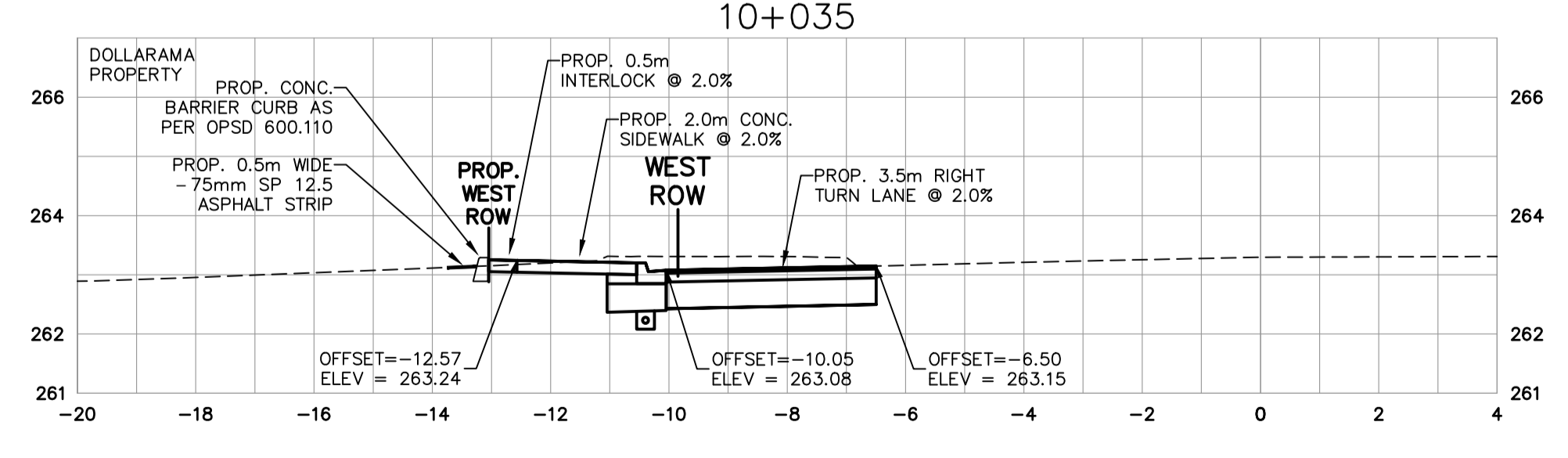
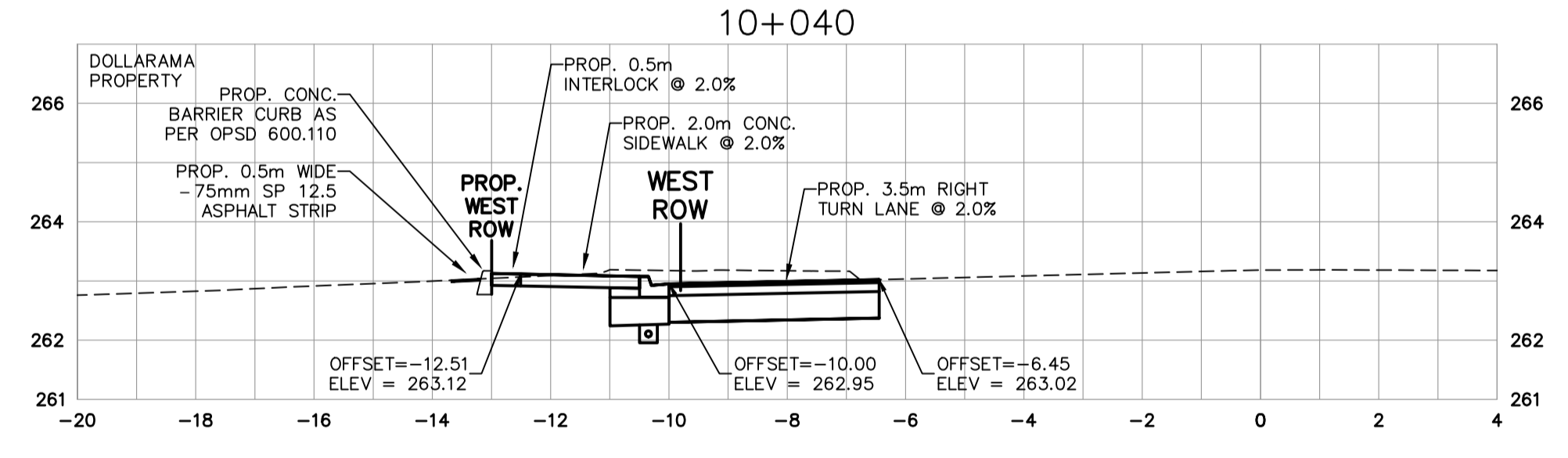
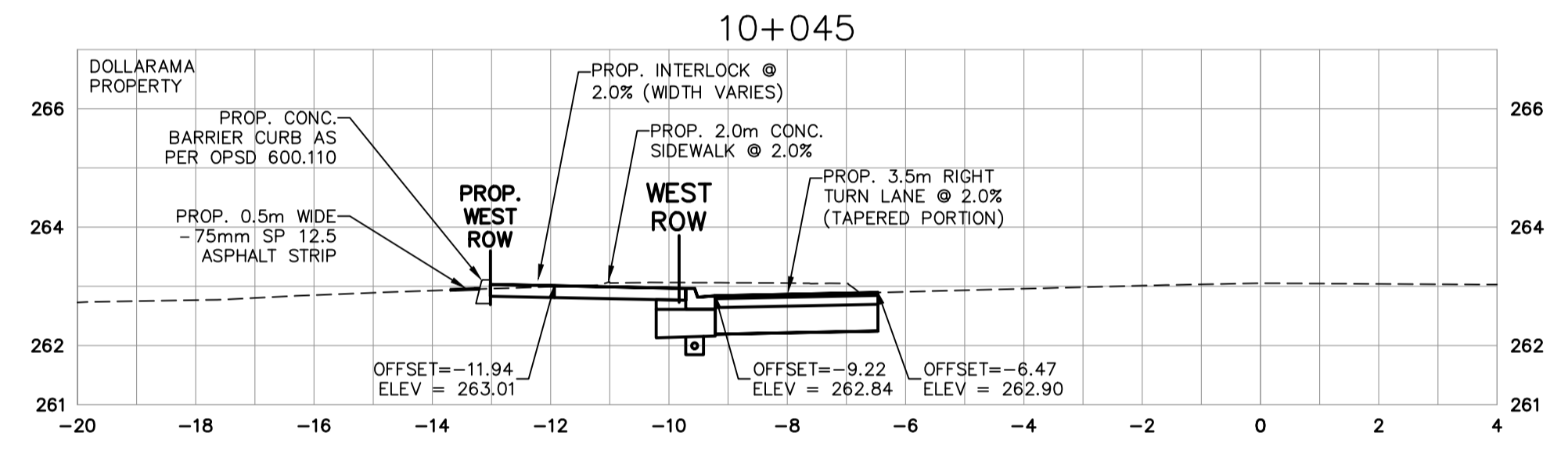
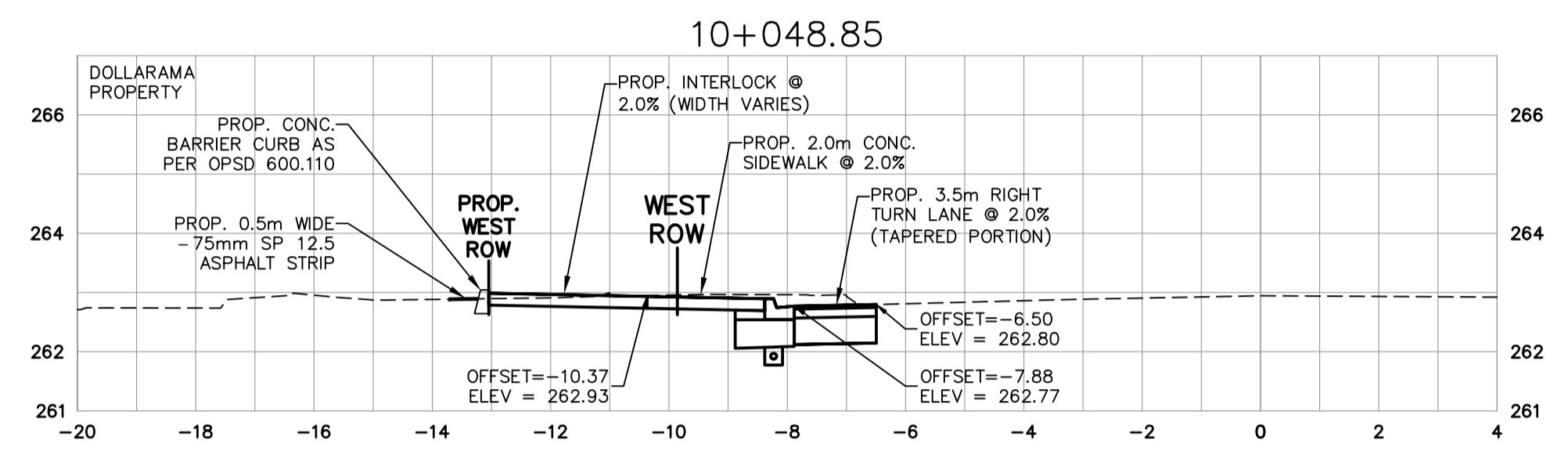
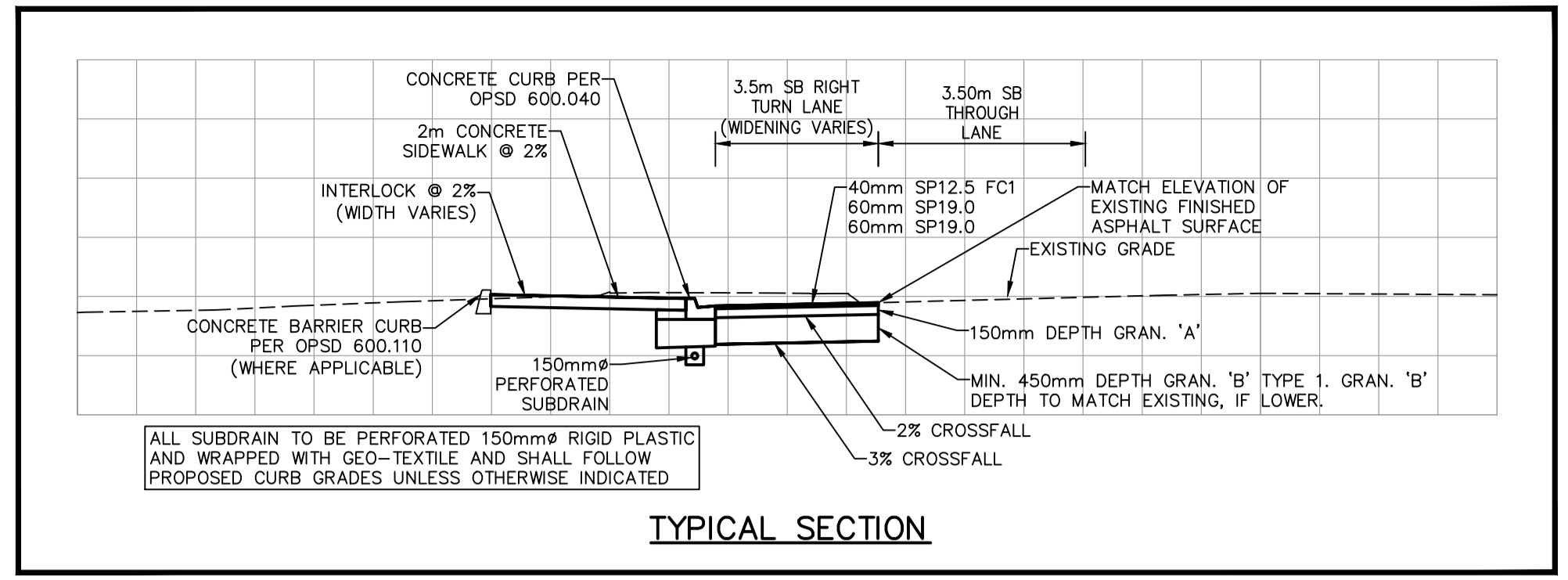
YONGE STREET (Y.R.1) & WELLINGTON STREET (Y.R.15)
WIRING DIAGRAM
TOWN OF AURORA

DWG. NO. 1000-E07
CONT. NO. 2021-48-PDS-ENG
SHEET NO. E07

DATE PLOTTED: ACAD FILE NAME:



NOTE:
ALL OFFSETS ARE TAKEN FROM EXISTING CENTRELINE, UNLESS OTHERWISE NOTED



TOWN OF AURORA		APPROVED:	SCALE:
MONOLITHIC CONCRETE SIDEWALK AND RETAINING WALL		REVISION:	JAN. 2013
		DRAWING NO.:	R-204



NOTES

CONTRACT DRAWINGS
Contractor must verify all dimensions and be responsible for same. Any discrepancies must be reported to the Engineer before commencing work. Drawings are not to be used for any purpose other than that stipulated in the contract agreement between the owner/client and the Engineer, without the express written consent of Anley & Associates Limited. Use of these drawings for any other purpose is subject to the following caution.

CAUTION: The information contained in this drawing is solely for the intended recipient. Any copying, distribution or use by others without the express written consent of Anley & Associates Limited is prohibited. The recipient is responsible for confirming the accuracy and completeness of the information with the engineer. The recipient assumes all risks and liabilities associated with the use of the drawings. The recipient will give and hold harmless Anley & Associates Limited from any claims whatsoever associated with or related to the use of the drawings. The recipient will not reuse any portion of the drawings for any future project without the express written permission of Anley & Associates Limited.

NO.	REVISIONS	DATE	INITIAL
0	ISSUED FOR TENDER	22/02/03	C.F.H.

Not Valid Unless Signed And Dated

SCALE: H= 1:100
V= 1:100

DESIGN: C.F.H.

DRAWN: R.A.W.

CHECKED: T.M.K.

DATE: AUG/20

TOWN OF AURORA
YONGE STREET (Y.R.1) AT
WELLINGTON STREET WEST/EAST (Y.R.15)

Anley CONSULTING ENGINEERS PLANNERS

CONTRACT No. DWG. No. 220024-YS1

SHEET No. 7 OF 7

Sign 1
NEW DOUBLE SIDED Pylon SIGN with DIF SIGNAGE and ALUCOBOND CLADDING

Cladding: (see Soboc drawings) ACM panel cladding c/w sub-girts, double-sided illuminated face sign, frames IPG Duranar Paint GALVAPLIP Montreal Blue

Sign faces and panels to be flush. Make 2" wide x 3/4" deep reveal all around the sign for service.

Faces of the new pylon to have same orientation as the existing, perpendicular on Yonge St.

Client: BMO 0303
Address: 15252 Yonge St. Aurora, ON
Dwg No: 0303_191_A_pylon
Sales: Don Kigalen
Designer: Dreaga Rotundu
Date: September 19, 2005
Rev: Oct 14, 2005
Rev: Mar 20, 2006

Scale: 3/4" = 1'
Page: 1 of 3

www.zipsigns.com
9048 North Service Rd. Burlington, ON
Ph: 905-332-8332 | Fax: 905-332-8334

ZIP SIGNS

Sign 7
NEW DOUBLE SIDED Pylon SIGN with DIF SIGNAGE and ALUCOBOND CLADDING

DIF backlit sign
Blue: 3M VQ11950/Pantone 300
Red: 3M VQ11952/Pantone 485

Apply vinyl graphics on 1st surface of white face.

ILLUMINATION:
(1) 48" daylight hi fluorescent lamp @ 3' c/c, (1) 645 ballast, Ampage draw: 3.0 Amps @ 120V.

CONSTRUCTION:
Signs 2010 alum. frame.
Signs 2010 alum. require g/f filler.
Paint filler and frame BMO Blue.
Mount sign structure using (4) 1/2" bolts @ 5'-0" c/c.

Cross-members:
(1) 4"x4"x1/2" HSS with (2) 4" x 8" x 1/2" steel plates holes @ 4" c/c and 2" c/c for 1/2" bolts.
G/f filler and main poles.
Additional 4" x 8" x 1/2" steel plate

Concrete base
5'-0" x 3'-0" x 5'-0" deep concrete base with 2" steel plate above grade.
13M vertical rebar @ 9" c/c
10M ties @ 9" c/c
(2) 1" dia. 4'-8" long anchor bolts @ 9" c/c
(2) 4"x4"x1/2" HSS poles, cross-members
(2) 7" x 1/2" x 1" steel plates
Location: Aurora, ON
q 1/10" = 8' per
q 1/20" = 4' per
Undisturbed soil

Cladding: (see Soboc drawings) ACM panel cladding c/w sub-girts, double-sided illuminated face sign, frames IPG Duranar Paint GALVAPLIP Montreal Blue

Sign faces and panels to be flush. Make 2" wide x 3/4" deep reveal all around the sign for service.

* Geotechnical engineer made recommendations for new concrete base site

Client: BMO 0303
Address: 15252 Yonge St. Aurora, ON
Dwg No: 0303_191_A_pylon
Sales: Don Kigalen
Designer: Dreaga Rotundu
Date: September 19, 2005
Rev: Oct 14, 2005
Rev: Mar 20, 2006

Scale: 1/2" = 1'
Page: 2 of 3

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9048 North Service Rd. Burlington, ON
Ph: 905-332-8332 | Fax: 905-332-8334

ZIP SIGNS

Sign 8
NEW DOUBLE SIDED Pylon SIGN with DIF SIGNAGE and ALUCOBOND CLADDING

4"x4" HSS cross-member
Cladding reveal
DIF sign box
4" x 4" x 1/2" HSS pole
Alucobond panels

2'-0" c/c of poles

15M vertical rebar @ 9" c/c
10M ties @ 9" c/c

Base Plate
Power

STEEL BASE PLATE:
2-req'd, 1/2" thick (scale 1/2" = 1')

Holes for 1/2" bolts

1/2" cross-member PLATE:
2-1 req'd, 1/2" thick (scale 1/2" = 1')

4"x4" HSS

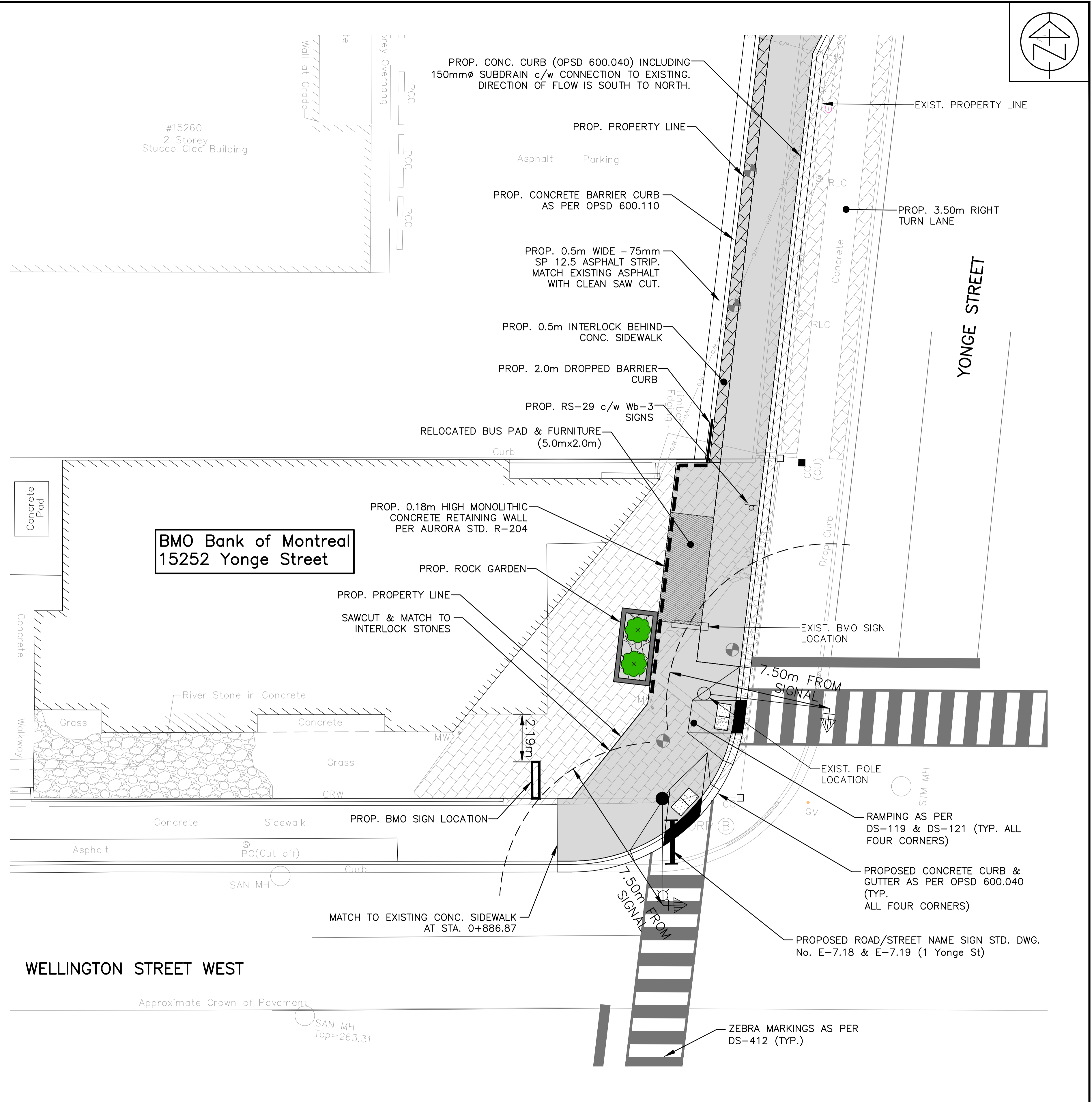
CONCRETE BASE
Note: Soil conditions were checked by Geotechnical engineer. New concrete base does reflect engineer's recommendations.

Client: BMO 0303
Address: 15252 Yonge St. Aurora, ON
Dwg No: 0303_191_A_pylon
Sales: Don Kigalen
Designer: Dreaga Rotundu
Date: September 19, 2005
Rev: Oct 14, 2005
Rev: Mar 20, 2006

Scale: 1/2" = 1'
Page: 3 of 3

www.zipsigns.com
9048 North Service Rd. Burlington, ON
Ph: 905-332-8332 | Fax: 905-332-8334

ZIP SIGNS



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CONTRACT DRAWINGS
Contractor must verify all dimensions and be responsible for same. Any discrepancies must be reported to the Engineer before commencing work. Drawings are not to be used for any purpose other than that stipulated in the contract agreement between the contractor and the Engineer, without the express written consent of Anley & Associates Limited. Use of these drawings for any other purpose is subject to the following caution.

CAUTION: The information contained in this drawing is solely for the intended recipient. Any copying, distribution or use by others without the express written consent of Anley & Associates Limited is prohibited. The recipient is responsible for confirming the accuracy and completeness of the information with the originator. The recipient assumes all risks and liabilities associated with the use of the drawings. The recipient will give and hold harmless Anley & Associates Limited from any claims whatsoever associated with or related to the use of the drawings. The recipient will not reuse any portion of the drawings for any future project without the express written permission of Anley & Associates Limited.

NO.	REVISIONS	DATE	INITIAL
P2	ISSUED FOR TENDER	FEB. 3/22	C.F.H.
P1	FOR DISCUSSION	MAY 31/21	C.F.H.

Not Valid Unless Signed And Dated

INFORMATION

SCALE: H= 1:100 V= N/A	DESIGN: C.F.H.	DRAWN: M.R.	CHECKED: T.M.K.	DATE: MAY/21
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TOWN OF AURORA
YONGE STREET (Y.R.1) AT
WELLINGTON STREET WEST/EAST (Y.R.15)

BMO SIGN RELOCATION

CONTRACT No. DWG. No. 220024-SP1