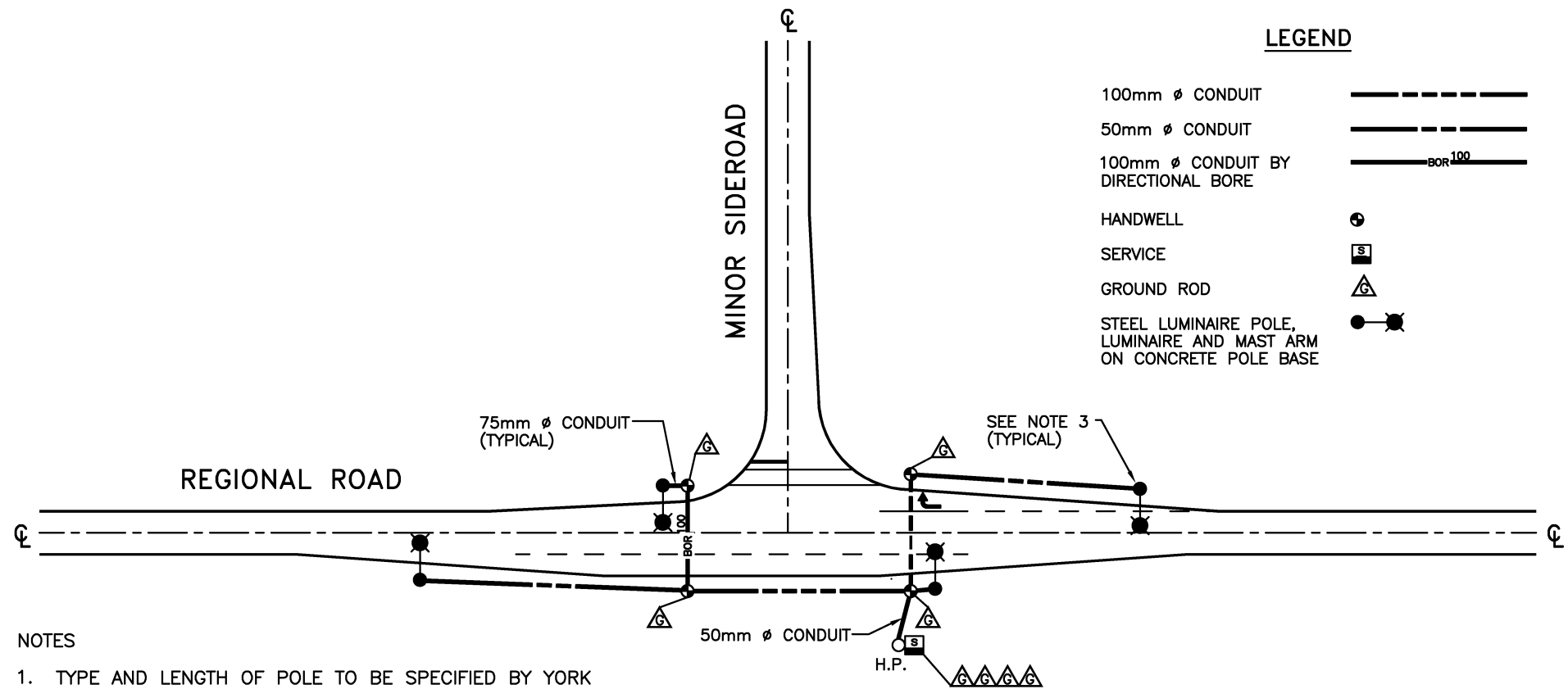


## DS 300 Series – Illumination Design Standard Drawings List

<b>Drawing Number</b>	<b>Drawing Title</b>	<b>Revision Date</b>
<b>DS-300</b>	Typical Partial Illumination for Slip Around Lane (Urban and Rural)	January 2023
<b>DS-301</b>	Typical Illumination for "T" Intersection with Left Turn Lane (Urban)	January 2023
<b>DS-302</b>	Typical Illumination for "T" Intersection with Left Turn Lane (Rural)	January 2023
<b>DS-303</b>	Typical Illumination for 2 Lane "X" Intersection (Urban)	January 2023
<b>DS-304</b>	Typical Partial Illumination for 2 Lane "X" Intersection (Rural)	January 2023
<b>DS-305</b>	Typical Illumination for 4 Lane "X" Intersection without Median Islands (Urban)	January 2023
<b>DS-306</b>	Typical Partial Illumination for 4 Lane "X" Intersection without Median Islands (Rural)	January 2023
<b>DS-307</b>	Typical Illumination for 4 Lane "X" Intersection with Traffic Signals and Median Islands (Urban)	January 2023
<b>DS-308</b>	Typical Partial Illumination for 4 Lane "X" Intersection with Traffic Signals and Median Islands (Rural)	January 2023
<b>DS-309</b>	Typical Illumination for 4 Lane "X" Intersection with Traffic Signals, 2 Regional Roads, Double Left Turn Lane (Urban and Rural)	January 2023

**LEGEND**

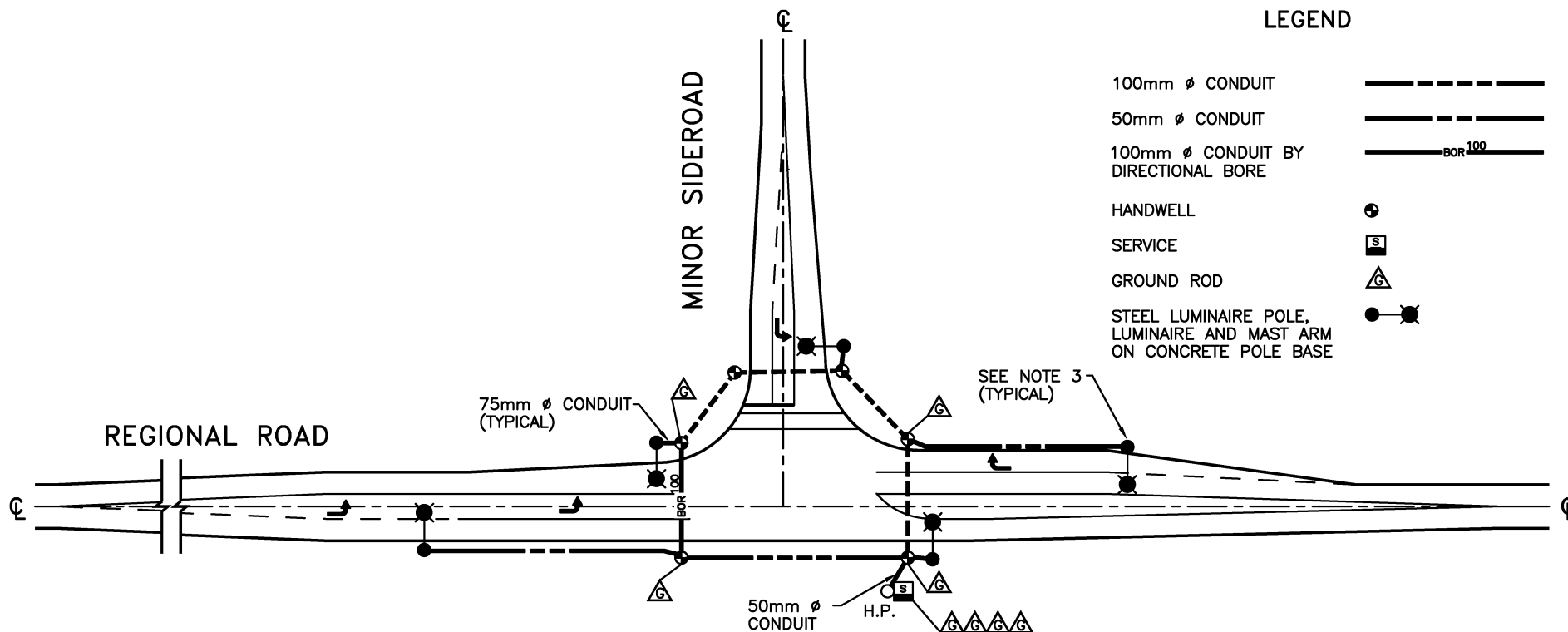
- 100mm  $\emptyset$  CONDUIT -----
- 50mm  $\emptyset$  CONDUIT -----
- 100mm  $\emptyset$  CONDUIT BY DIRECTIONAL BORE -----BOR<sup>100</sup>-----
- HANDWELL ⊕
- SERVICE Ⓢ
- GROUND ROD △
- STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE ●—●



**NOTES**

1. TYPE AND LENGTH OF POLE TO BE SPECIFIED BY YORK REGION ELECTRICAL AND TRAFFIC DESIGN SECTION.
2. ALL ELECTRICAL EQUIPMENT TO BE USED SHALL BE IN ACCORDANCE WITH YORK REGION SPECIFICATIONS AND STANDARD DRAWINGS.
3. APPROACH LUMINAIRES ARE NOT REQUIRED WHEN THERE IS FULL ILLUMINATION BETWEEN INTERSECTIONS, BY LOCAL MUNICIPALITIES.
4. POLE OFFSETS ARE 2.5m IN URBAN AREAS AND 2.75m IN RURAL AREAS (TYPICAL). HANDWELL OFFSETS ARE 2.5m (TYPICAL).
5. CONDUIT CROSSINGS ON REGIONAL ROAD SHALL BE 100mm BOR IF NOT FULL DEPTH RESTORATION.
6. CONDUIT INSTALLED FOR APPROACH LIGHTING IN RURAL SECTIONS TO BE 1.75m OFFSET FROM EP.
7. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.

<span style="font-size: 1.2em; font-weight: bold; vertical-align: middle;">Public Works Transportation</span>			
<p><b>TYPICAL PARTIAL ILLUMINATION FOR SLIP AROUND LANE (URBAN AND RURAL)</b></p>			
DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	DS-300



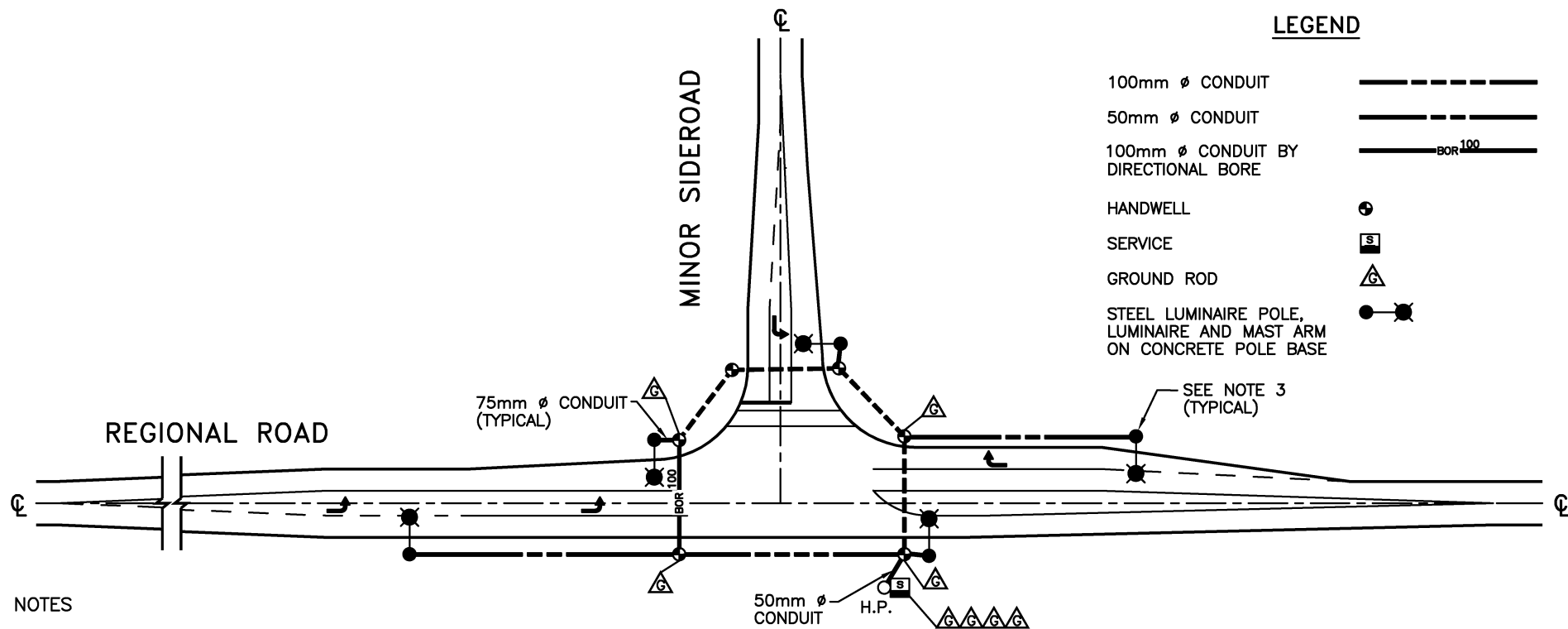
**LEGEND**

- 100mm  $\varnothing$  CONDUIT -----
- 50mm  $\varnothing$  CONDUIT -----
- 100mm  $\varnothing$  CONDUIT BY DIRECTIONAL BORE -----BOR 100-----
- HANDWELL ⊕
- SERVICE Ⓢ
- GROUND ROD △
- STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE ●—●

**NOTES**

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6. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.

		<b>Public Works Transportation</b>
<b>TYPICAL ILLUMINATION FOR "T" INTERSECTION WITH LEFT TURN LANE (URBAN)</b>		
DATE: JANUARY 2023		SCALE N.T.S.
REV.	X	X
DS-301		



**LEGEND**

- 100mm  $\phi$  CONDUIT -----
- 50mm  $\phi$  CONDUIT -----
- 100mm  $\phi$  CONDUIT BY DIRECTIONAL BORE -----BOR 100-----
- HANDWELL ⊕
- SERVICE Ⓢ
- GROUND ROD ⚡
- STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE ●—●

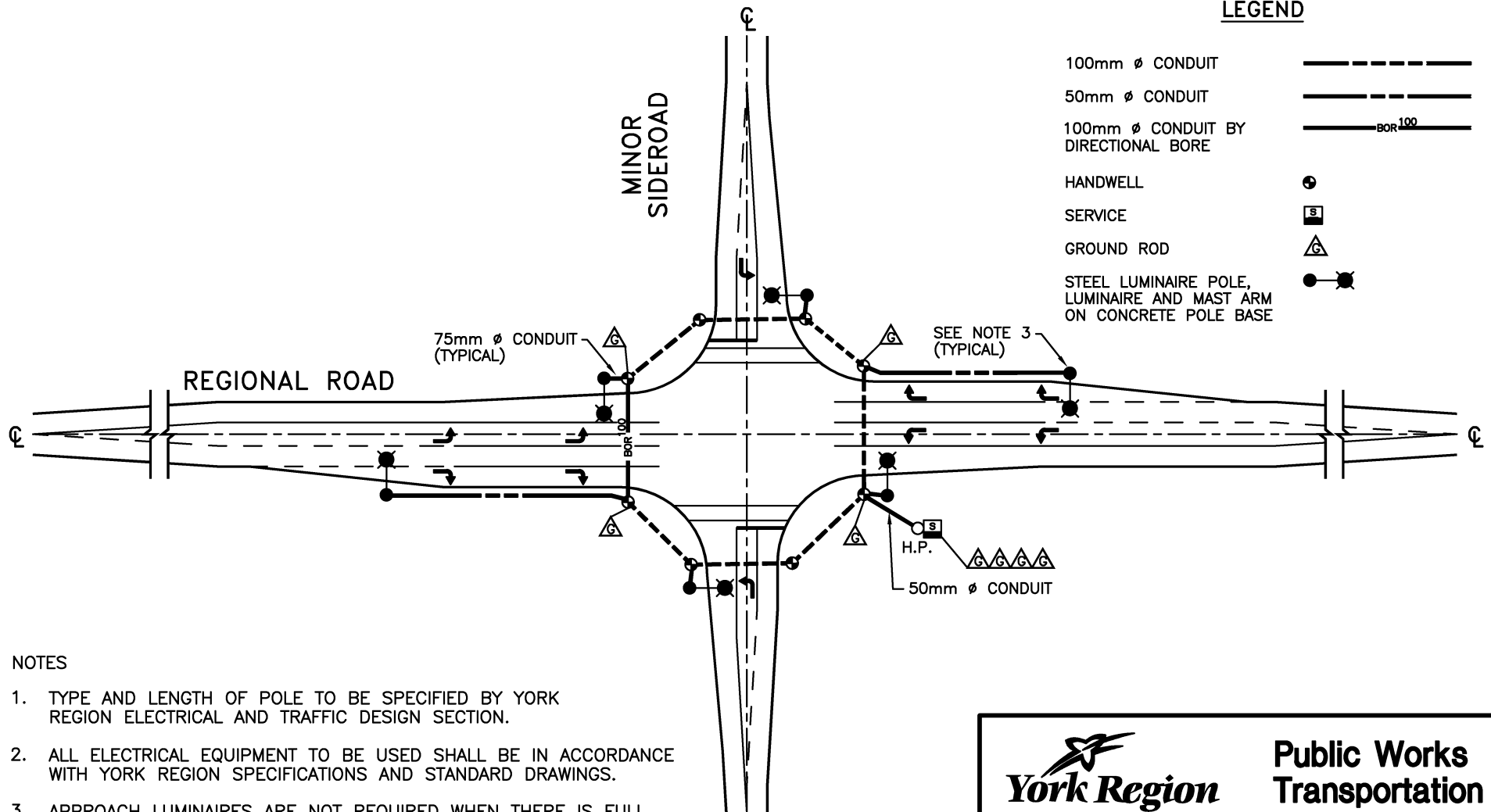
**NOTES**

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4. POLE OFFSETS ARE 2.5m IN URBAN AREAS AND 2.75m IN RURAL AREAS (TYPICAL). HANDWELL OFFSETS ARE 2.5m (TYPICAL).
5. ADDITIONAL ILLUMINATION MAY BE REQUIRED WHEN TRAFFIC CONTROL SIGNALS ARE INSTALLED OR IF TRANSIT STOPS ARE PRESENT.
6. CONDUIT CROSSINGS ON REGIONAL ROAD SHALL BE 100mm BOR IF NOT FULL DEPTH RESTORATION.
7. CONDUIT INSTALLED FOR APPROACH LIGHTING IN RURAL SECTIONS TO BE 1.75m OFFSET FROM EP.
8. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.

		<b>Public Works Transportation</b>
<b>TYPICAL PARTIAL ILLUMINATION FOR "T" INTERSECTION WITH LEFT TURN LANE (RURAL)</b>		
DATE:	JANUARY 2023	SCALE N.T.S.
REV.	X	X
		DS-302

**LEGEND**

100mm $\phi$ CONDUIT	
50mm $\phi$ CONDUIT	
100mm $\phi$ CONDUIT BY DIRECTIONAL BORE	
HANDWELL	
SERVICE	
GROUND ROD	
STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE	



**NOTES**

1. TYPE AND LENGTH OF POLE TO BE SPECIFIED BY YORK REGION ELECTRICAL AND TRAFFIC DESIGN SECTION.
2. ALL ELECTRICAL EQUIPMENT TO BE USED SHALL BE IN ACCORDANCE WITH YORK REGION SPECIFICATIONS AND STANDARD DRAWINGS.
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4. POLE OFFSETS ARE 2.5m IN URBAN AREAS AND 2.75m IN RURAL AREAS (TYPICAL). HANDWELL OFFSETS ARE 2.5m (TYPICAL).
5. CONDUIT CROSSINGS ON REGIONAL ROAD SHALL BE 100mm BOR IF NOT FULL DEPTH RESTORATION.
6. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.



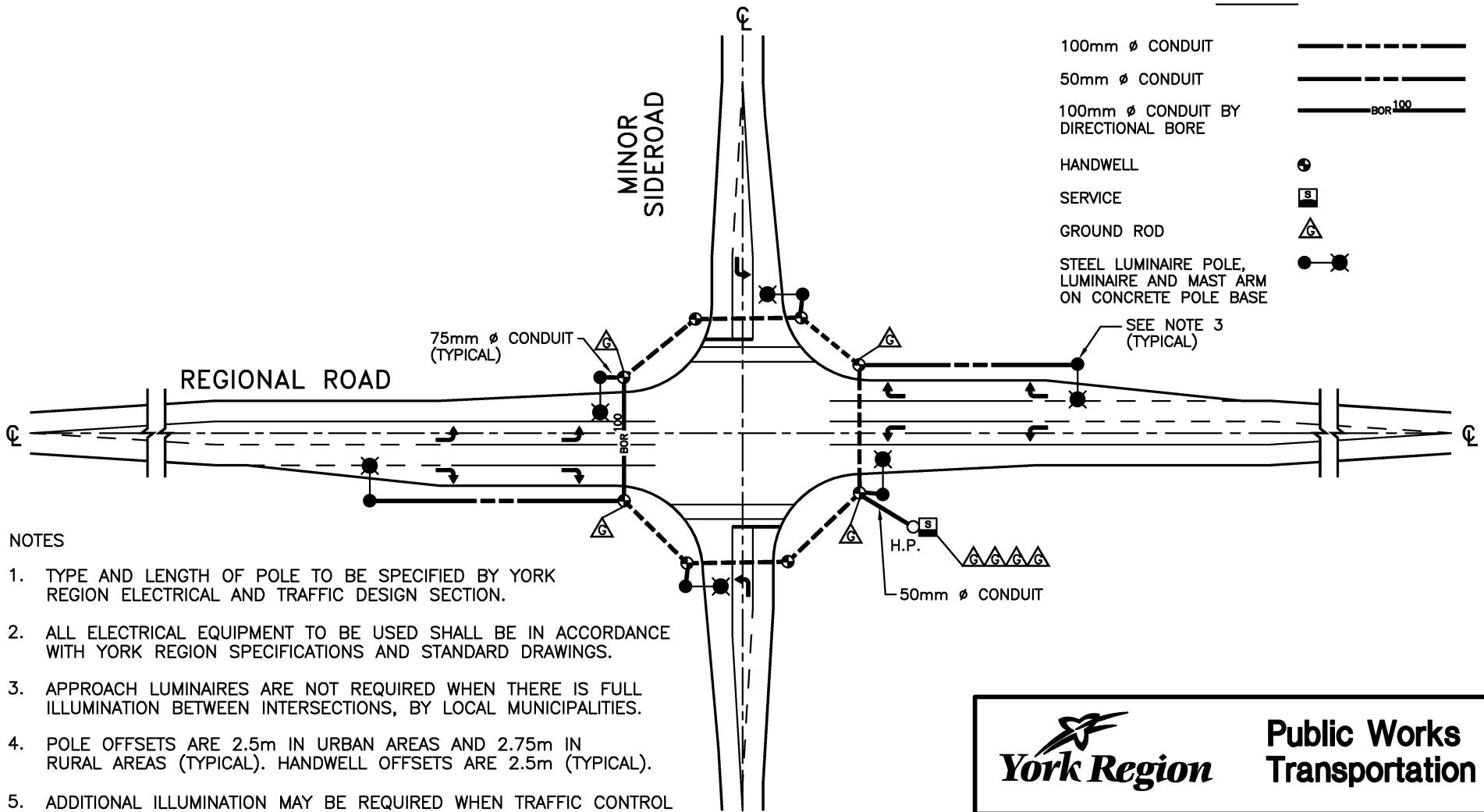
**Public Works  
Transportation**

**TYPICAL ILLUMINATION FOR  
2 LANE "X" INTERSECTION  
(URBAN)**

DATE:	JANUARY 2023	SCALE	N.T.S.
REV.	X	X	<b>DS-303</b>

**LEGEND**

- 100mm  $\emptyset$  CONDUIT -----
- 50mm  $\emptyset$  CONDUIT -----
- 100mm  $\emptyset$  CONDUIT BY DIRECTIONAL BORE -----BOR100-----
- HANDWELL ⊕
- SERVICE Ⓢ
- GROUND ROD △G
- STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE ●—●



**NOTES**

1. TYPE AND LENGTH OF POLE TO BE SPECIFIED BY YORK REGION ELECTRICAL AND TRAFFIC DESIGN SECTION.
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5. ADDITIONAL ILLUMINATION MAY BE REQUIRED WHEN TRAFFIC CONTROL SIGNALS ARE INSTALLED OR IF TRANSIT STOPS ARE PRESENT.
6. CONDUIT CROSSINGS ON REGIONAL ROAD SHALL BE 100mm BOR IF NOT FULL DEPTH RESTORATION.
7. CONDUIT INSTALLED FOR APPROACH LIGHTING IN RURAL SECTIONS TO BE 1.75m OFFSET FROM EP.
8. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.



**Public Works  
Transportation**

**TYPICAL PARTIAL ILLUMINATION  
FOR 2 LANE "X" INTERSECTION  
(RURAL)**

DATE: JANUARY 2023

SCALE N.T.S.

REV.

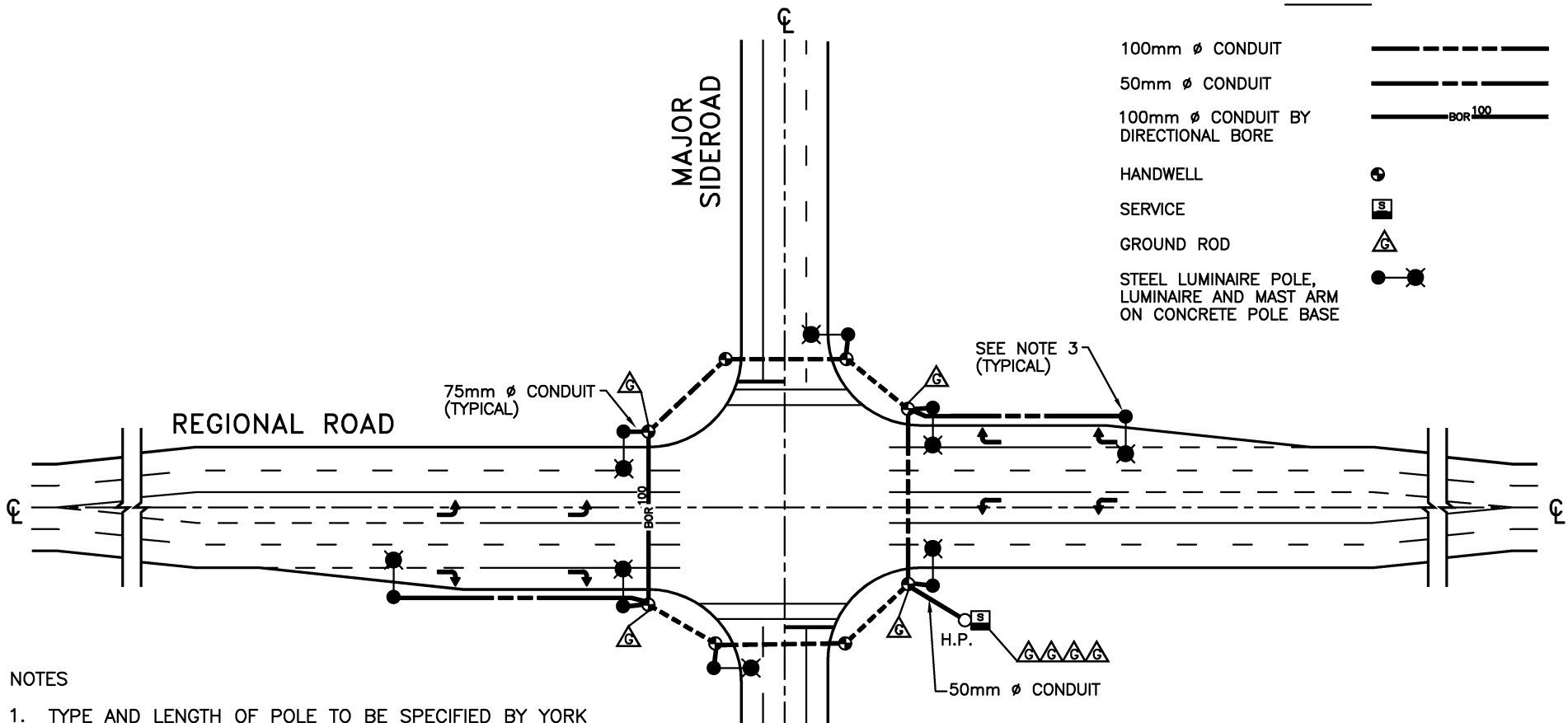
X

X

**DS-304**

**LEGEND**

100mm $\emptyset$ CONDUIT	
50mm $\emptyset$ CONDUIT	
100mm $\emptyset$ CONDUIT BY DIRECTIONAL BORE	
HANDWELL	
SERVICE	
GROUND ROD	
STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE	



**NOTES**

1. TYPE AND LENGTH OF POLE TO BE SPECIFIED BY YORK REGION ELECTRICAL AND TRAFFIC DESIGN SECTION.
2. ALL ELECTRICAL EQUIPMENT TO BE USED SHALL BE IN ACCORDANCE WITH YORK REGION SPECIFICATIONS AND STANDARD DRAWINGS.
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6. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.



**Public Works  
Transportation**

**TYPICAL ILLUMINATION FOR  
4 LANE "X" INTERSECTION  
WITHOUT MEDIAN ISLANDS  
(URBAN)**

DATE: JANUARY 2023		SCALE N.T.S.	
REV.	X	X	<b>DS-305</b>

MAJOR  
SIDEROAD

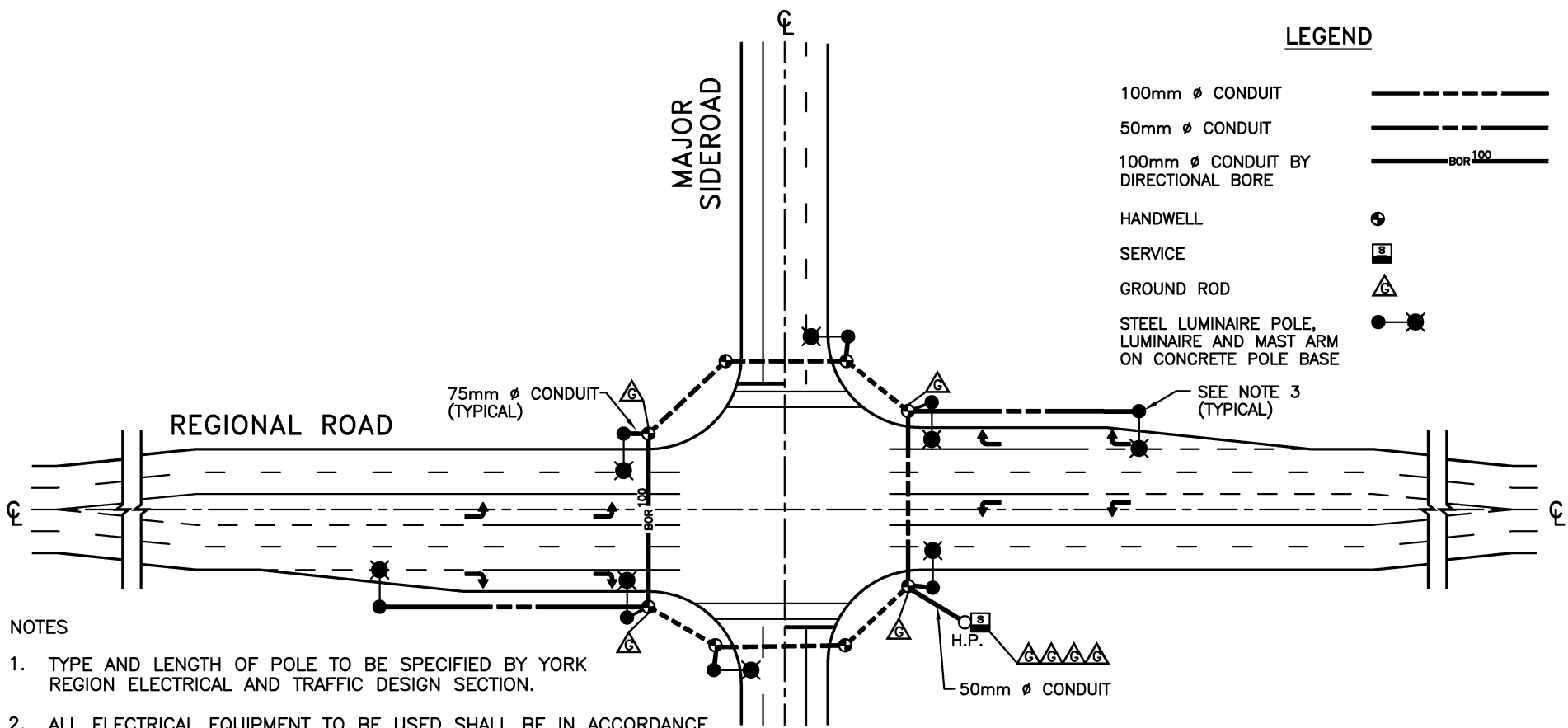
**LEGEND**

- 100mm  $\emptyset$  CONDUIT -----
- 50mm  $\emptyset$  CONDUIT -----
- 100mm  $\emptyset$  CONDUIT BY DIRECTIONAL BORE -----BOR 100
- HANDWELL ⊕
- SERVICE [S]
- GROUND ROD △
- STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE ●—●

REGIONAL ROAD


75mm  $\emptyset$  CONDUIT (TYPICAL)

SEE NOTE 3 (TYPICAL)



**NOTES**

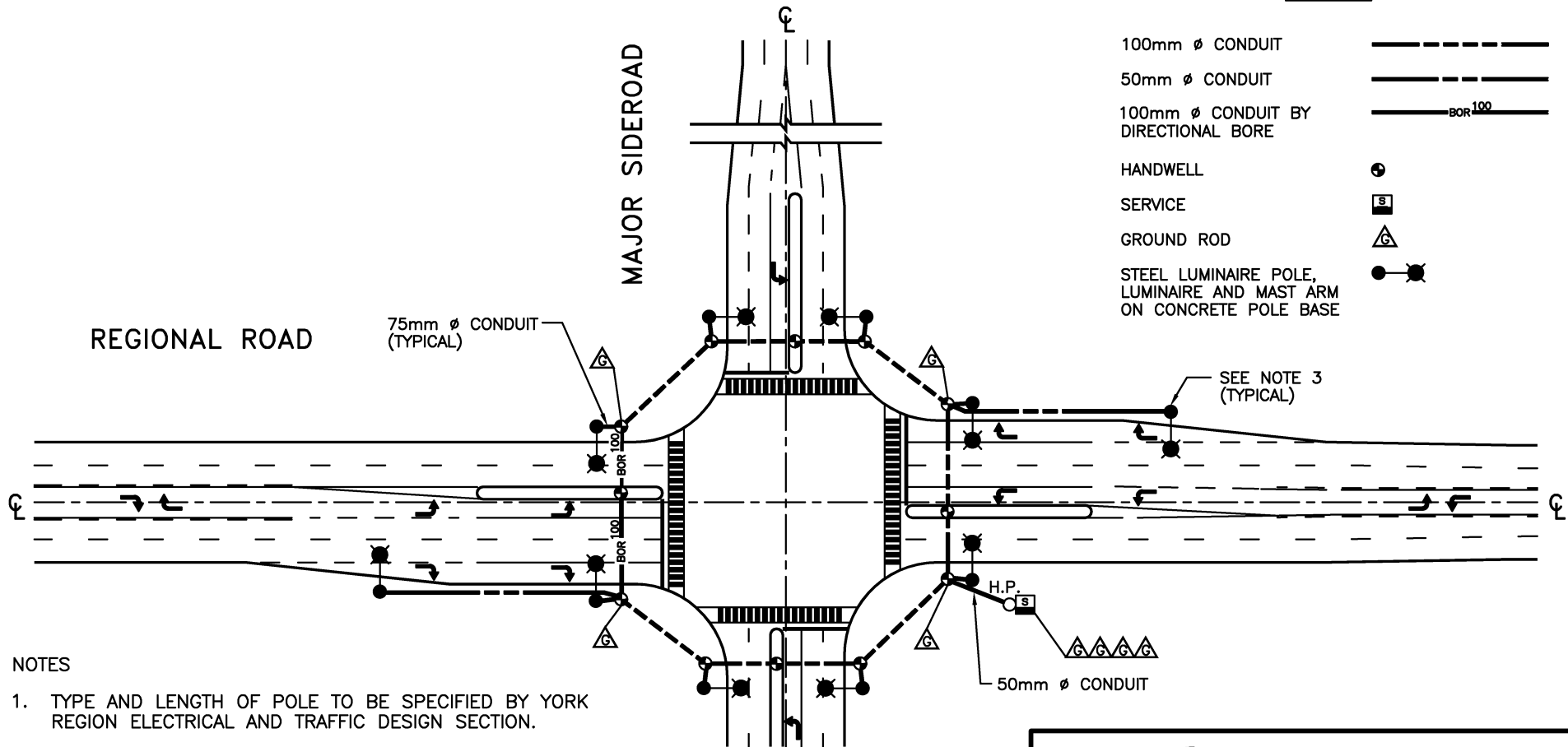
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6. CONDUIT CROSSINGS ON REGIONAL ROAD SHALL BE 100mm BOR IF NOT FULL DEPTH RESTORATION.
7. CONDUIT INSTALLED FOR APPROACH LIGHTING IN RURAL SECTIONS TO BO 1.75m OFFSET FROM EP.
8. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.

		<b>Public Work Transportation</b>	
<b>TYPICAL PARTIAL ILLUMINATION FOR 4 LANE "X" INTERSECTION WITHOUT MEDIAN ISLANDS (RURAL)</b>			
DATE: JANUARY 2023		SCALE N.T.S.	
REV.	X	X	<b>DS-306</b>



**LEGEND**

- 100mm  $\phi$  CONDUIT -----
- 50mm  $\phi$  CONDUIT -----
- 100mm  $\phi$  CONDUIT BY DIRECTIONAL BORE -----BOR 100
- HANDWELL ⊕
- SERVICE ⊞
- GROUND ROD △
- STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE ●—●



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6. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.



**Public Works  
Transportation**

**TYPICAL ILLUMINATION FOR  
4 LANE "X" INTERSECTION WITH  
TRAFFIC SIGNAL AND  
MEDIAN ISLANDS (URBAN)**

DATE: JANUARY 2023

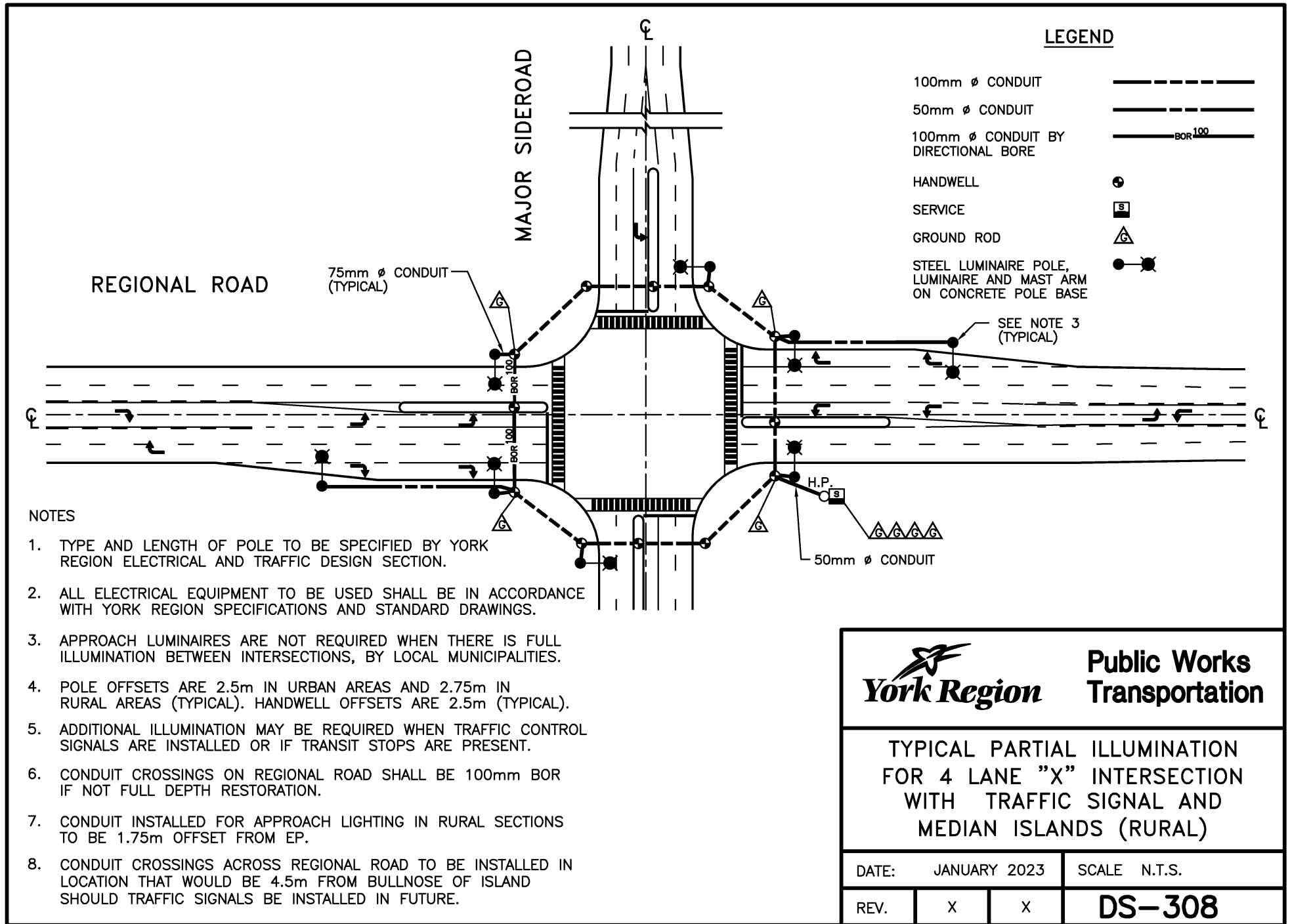
SCALE N.T.S.

REV.

X

X

**DS-307**




**LEGEND**

- 100mm  $\phi$  CONDUIT -----
- 50mm  $\phi$  CONDUIT -----
- 100mm  $\phi$  CONDUIT BY DIRECTIONAL BORE -----BOR 100
- HANDWELL ⊕
- SERVICE [S]
- GROUND ROD △
- STEEL LUMINAIRE POLE, LUMINAIRE AND MAST ARM ON CONCRETE POLE BASE ●—●

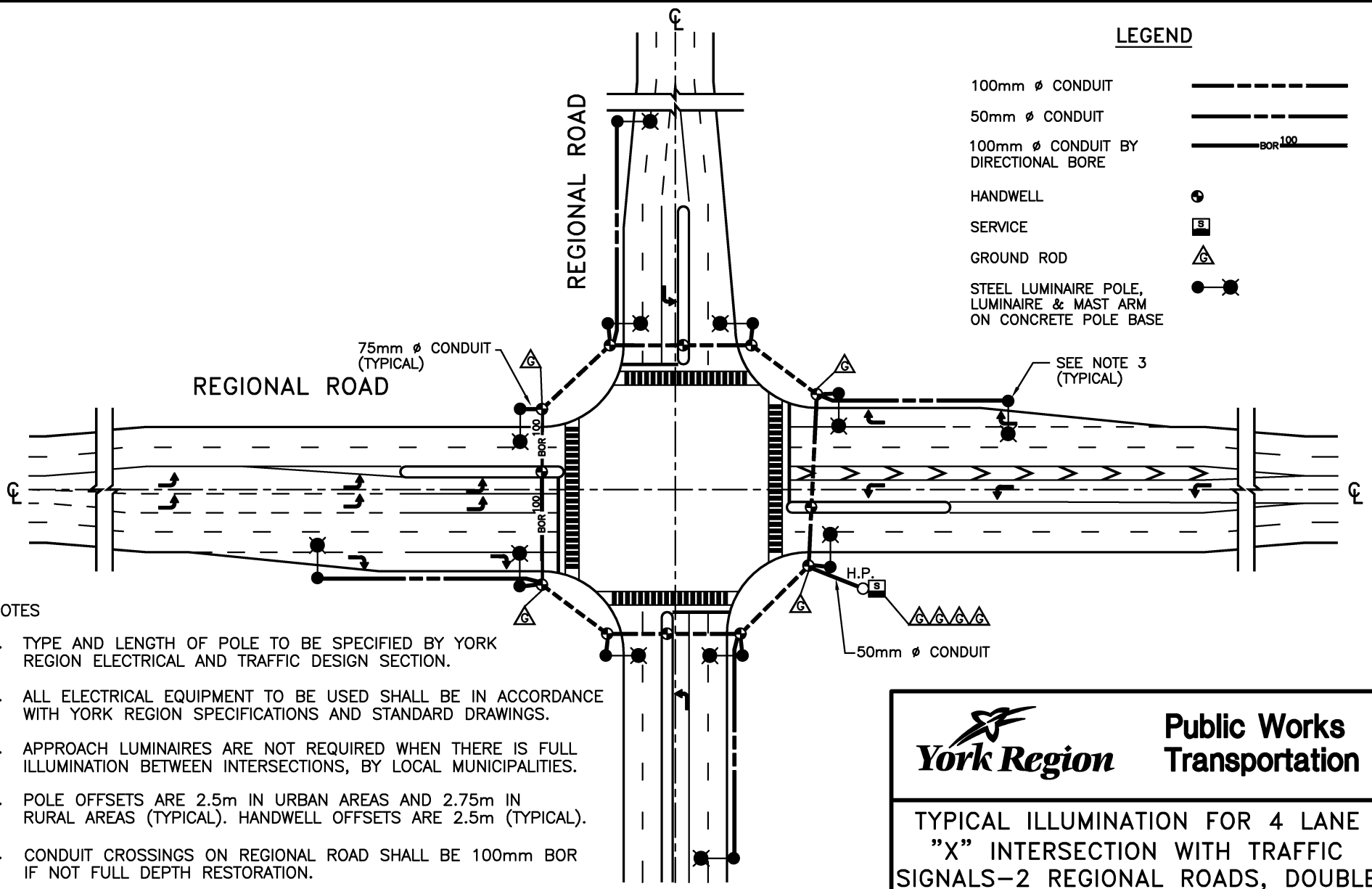
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8. CONDUIT CROSSINGS ACROSS REGIONAL ROAD TO BE INSTALLED IN LOCATION THAT WOULD BE 4.5m FROM BULLNOSE OF ISLAND SHOULD TRAFFIC SIGNALS BE INSTALLED IN FUTURE.

		<b>Public Works Transportation</b>	
<b>TYPICAL PARTIAL ILLUMINATION FOR 4 LANE "X" INTERSECTION WITH TRAFFIC SIGNAL AND MEDIAN ISLANDS (RURAL)</b>			
DATE: JANUARY 2023		SCALE N.T.S.	
REV.	X	X	<b>DS-308</b>

**LEGEND**

- 100mm  $\phi$  CONDUIT -----
- 50mm  $\phi$  CONDUIT -----
- 100mm  $\phi$  CONDUIT BY DIRECTIONAL BORE -----BOR 100
- HANDWELL ⊕
- SERVICE Ⓢ
- GROUND ROD △G
- STEEL LUMINAIRE POLE, LUMINAIRE & MAST ARM ON CONCRETE POLE BASE ●—●



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		<p><b>Public Works Transportation</b></p>
<p><b>TYPICAL ILLUMINATION FOR 4 LANE "X" INTERSECTION WITH TRAFFIC SIGNALS—2 REGIONAL ROADS, DOUBLE LEFT TURN LANE (URBAN &amp; RURAL)</b></p>		
DATE: JANUARY 2023		SCALE N.T.S.
REV.	X	X
		<b>DS-309</b>