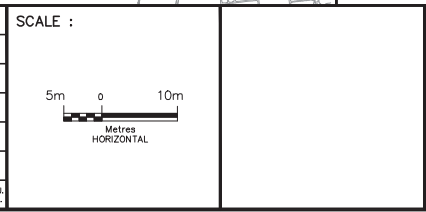


GENERAL NOTE:
 A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

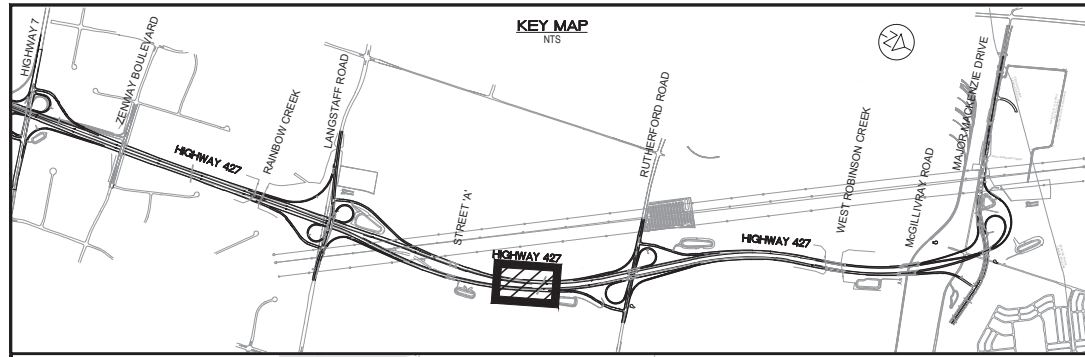
NO.	DATE	REVISIONS
A	18/04/25	50% SUBMISSION TO CA



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

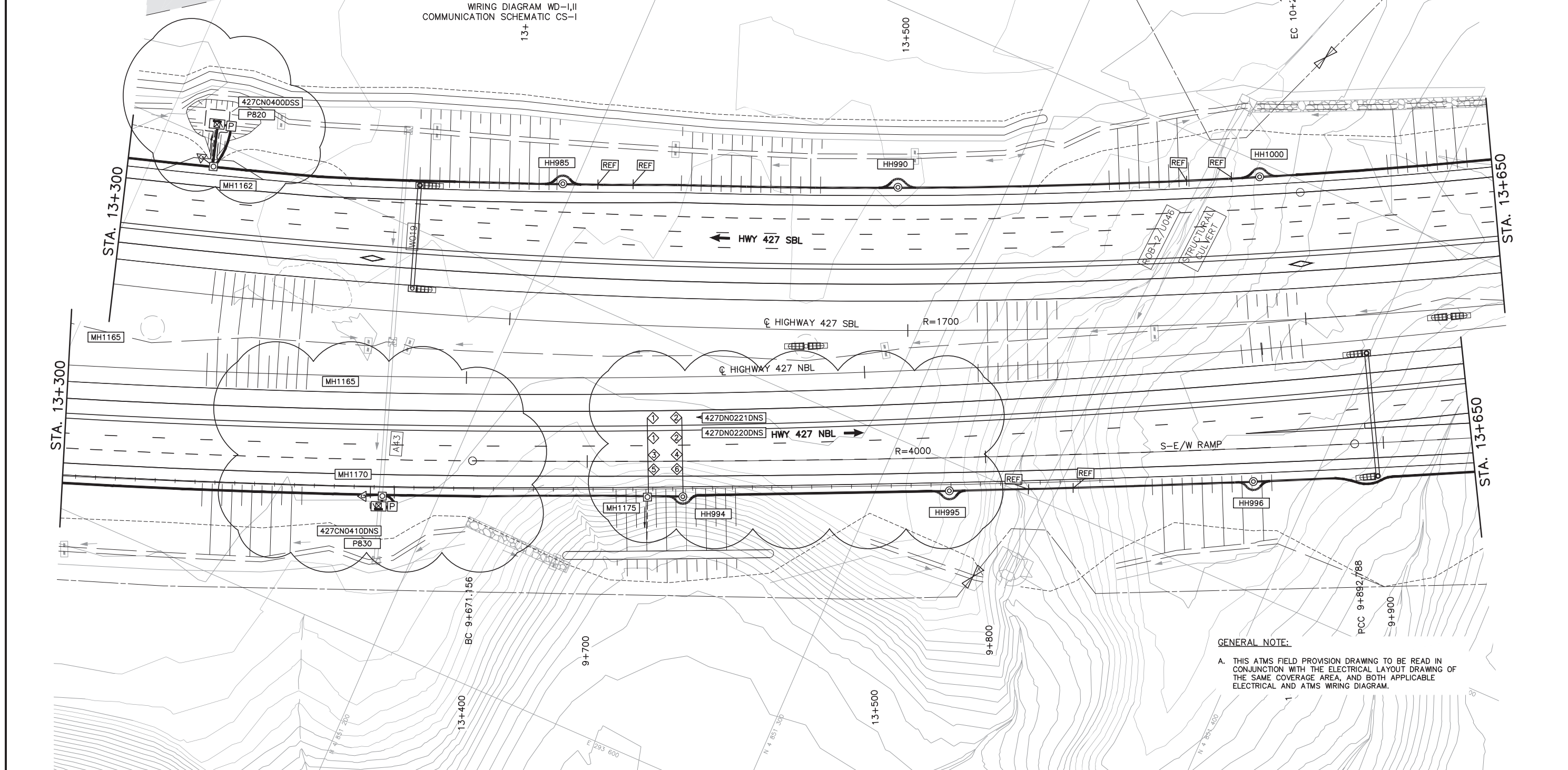


TITLE						
HWY 427 EXPANSION						
ITS - NEW CONSTRUCTION						
STA. 12+930 TO STA. 13+300 SBL						
STA. 12+940 TO STA. 13+300 NBL						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	F	7	ITS	000	DWG	1507
						B



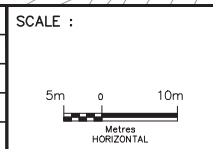
WIRING DIAGRAM WD-I,II
COMMUNICATION SCHEMATIC CS-I
13+

CITY OF VAUGHAN



GENERAL NOTE:
A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

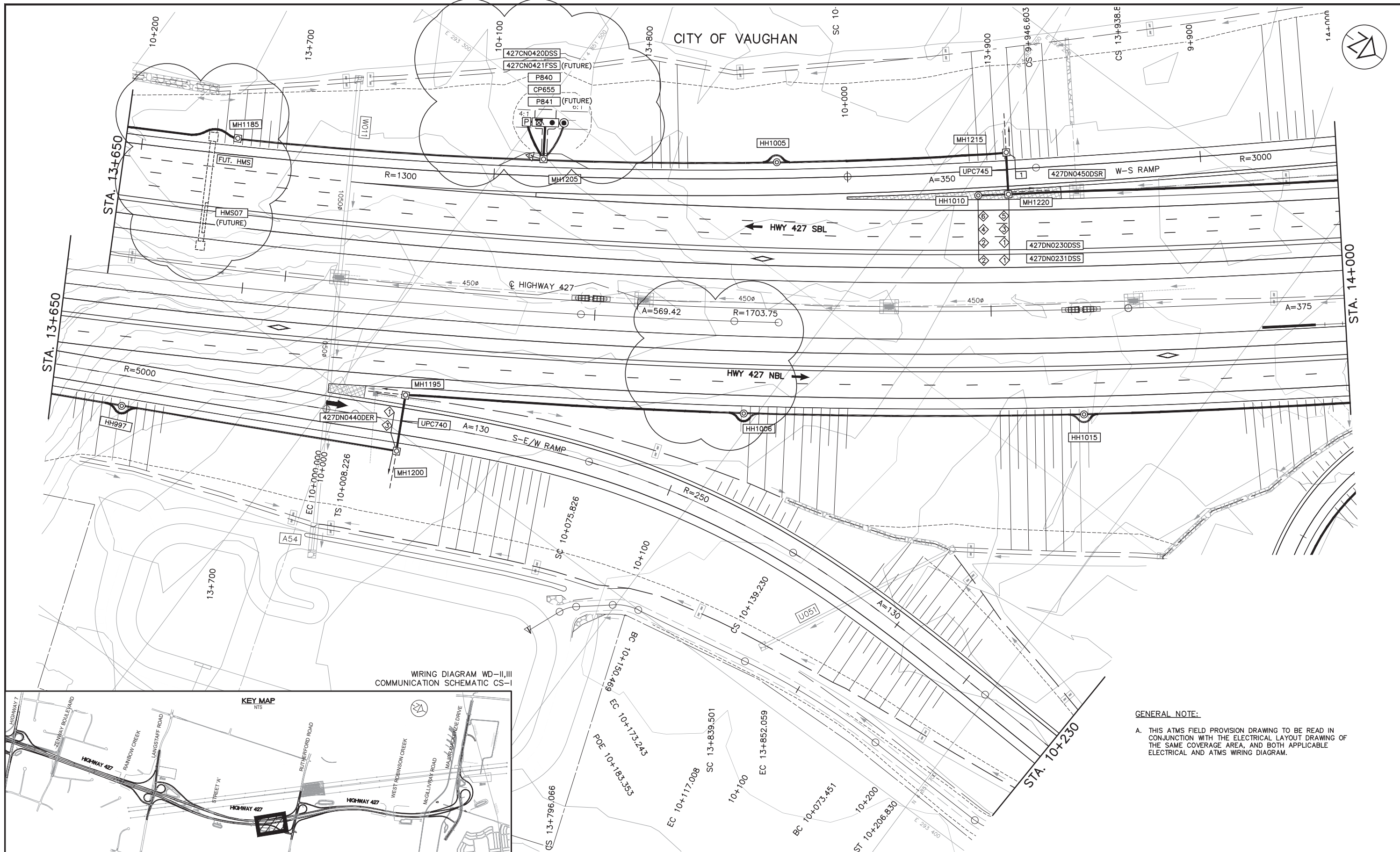
NO.	DATE	REVISIONS	BY	CHK	LEAD. PSC.	PROJ. MAN.
A	18/04/25	50% SUBMISSION TO CA				



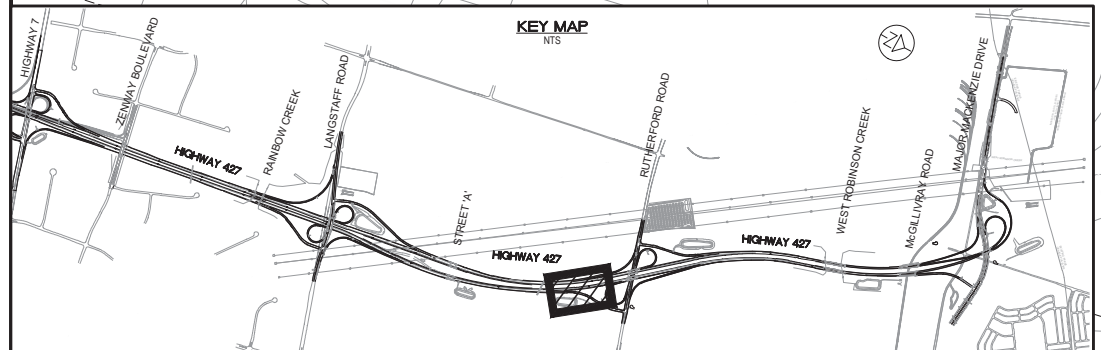
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	INT. DATE



TITLE							
HWY 427 EXPANSION							
ITS - NEW CONSTRUCTION							
STA. 13+300 TO STA. 13+650							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1508	B

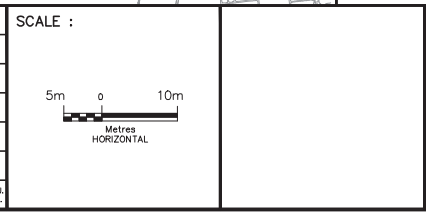


WIRING DIAGRAM WD-II,III
COMMUNICATION SCHEMATIC CS-I



GENERAL NOTE:
A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

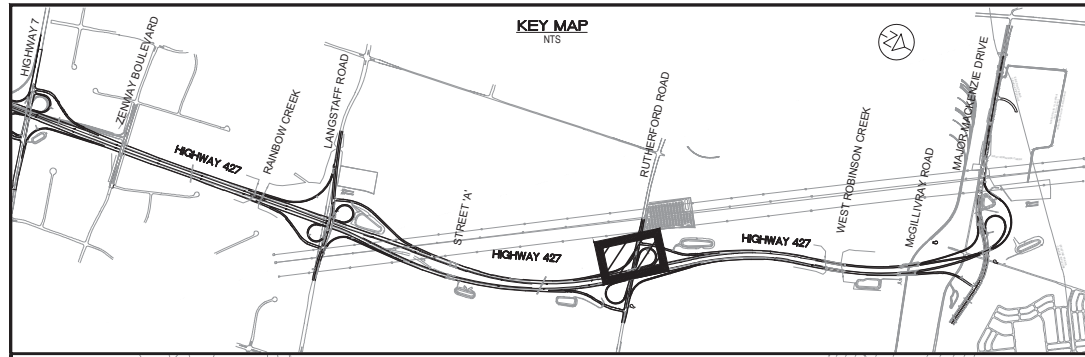
NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	18/04/25	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	INT. DATE



TITLE							
HWY 427 EXPANSION							
ITS - NEW CONSTRUCTION							
STA. 13+650 TO STA. 14+000							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1509	B



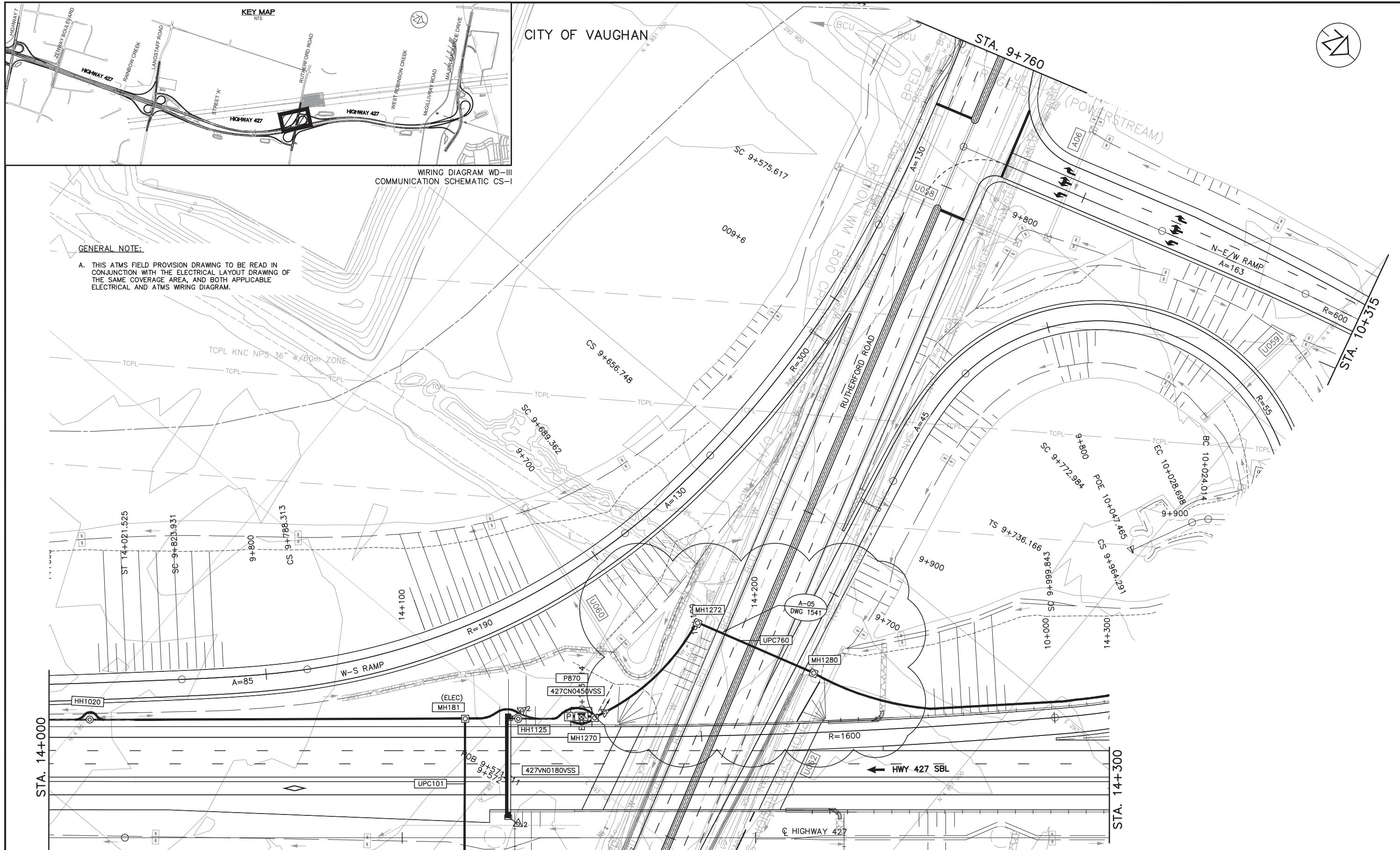
CITY OF VAUGHAN



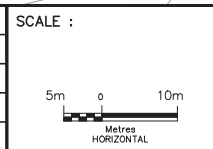
WIRING DIAGRAM WD-III
COMMUNICATION SCHEMATIC CS-1

GENERAL NOTE:

A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.



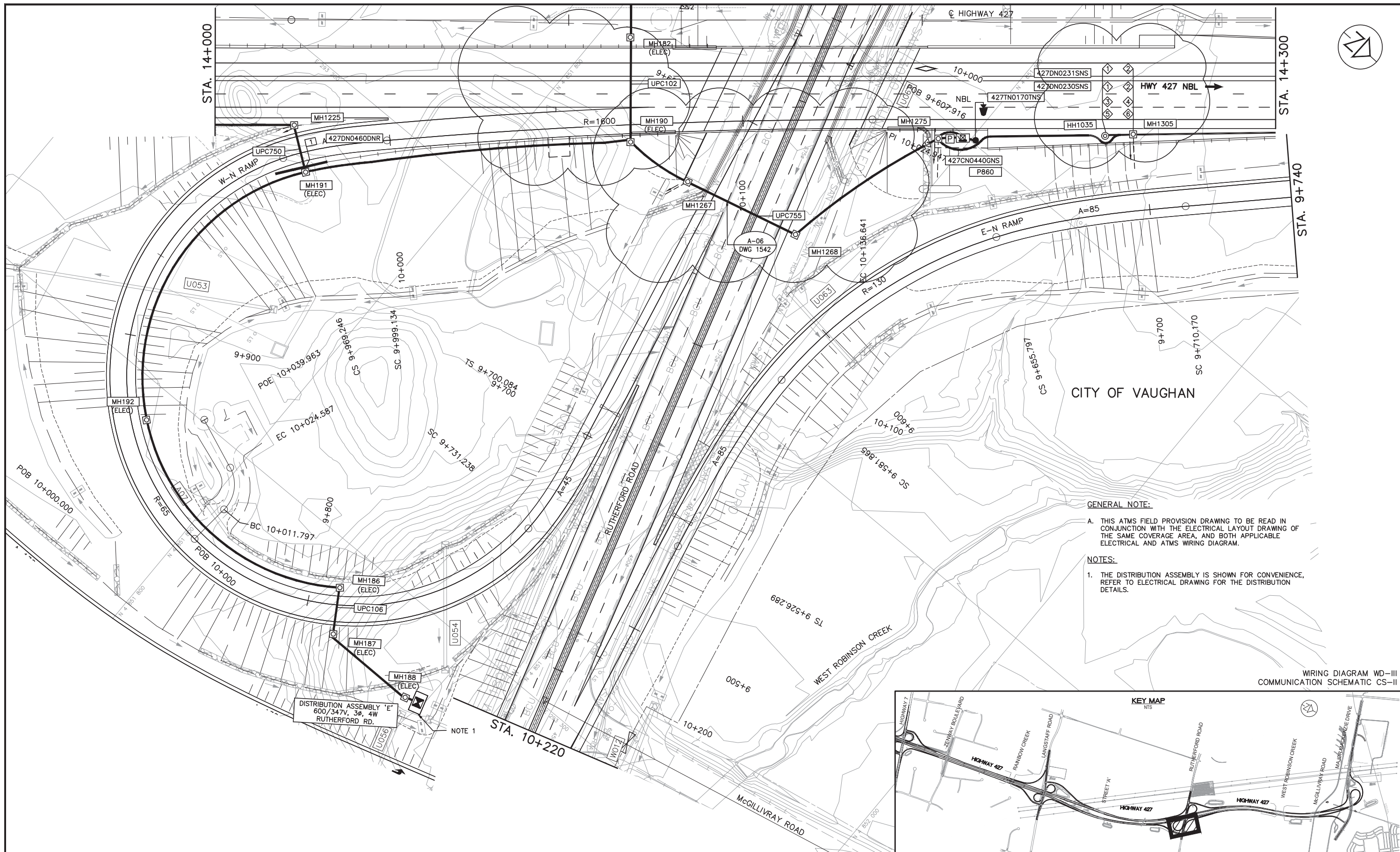
NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ. MGR.
A	18/04/25	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	
INIT.	
DATE	



TITLE							
HWY 427 EXPANSION							
ITS - NEW CONSTRUCTION							
STA. 14+000 TO STA. 14+300							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1510	B



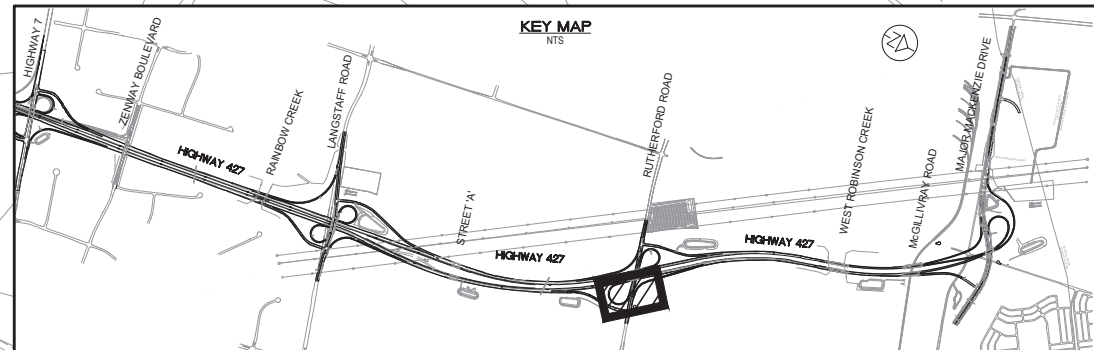
GENERAL NOTE:
 A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

NOTES:
 1. THE DISTRIBUTION ASSEMBLY IS SHOWN FOR CONVENIENCE, REFER TO ELECTRICAL DRAWING FOR THE DISTRIBUTION DETAILS.

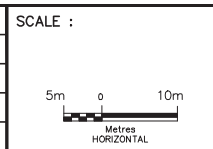
DISTRIBUTION ASSEMBLY 'E'
 600/347V, 3Ø, 4W
 RUTHERFORD RD.

NOTE 1
 STA. 10+220

WIRING DIAGRAM WD-III
 COMMUNICATION SCHEMATIC CS-II



NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ. MGR.
A	18/04/25	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

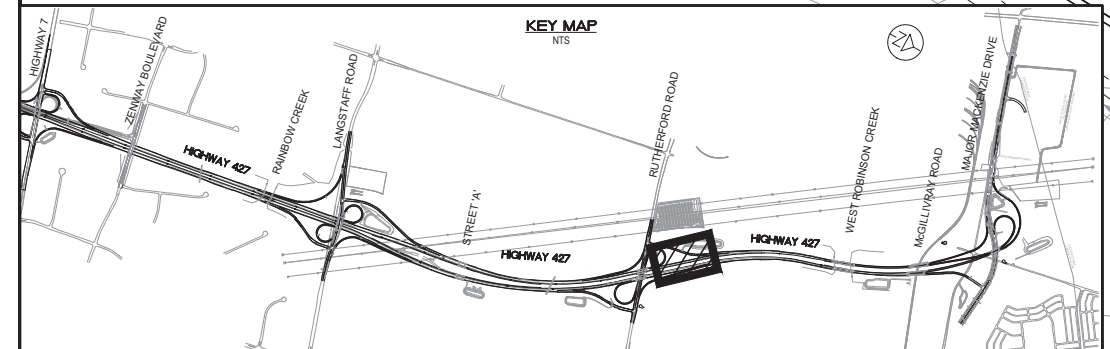


TITLE							
HWY 427 EXPANSION							
ITS - NEW CONSTRUCTION							
STA. 14+000 TO STA. 14+300							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1511	B

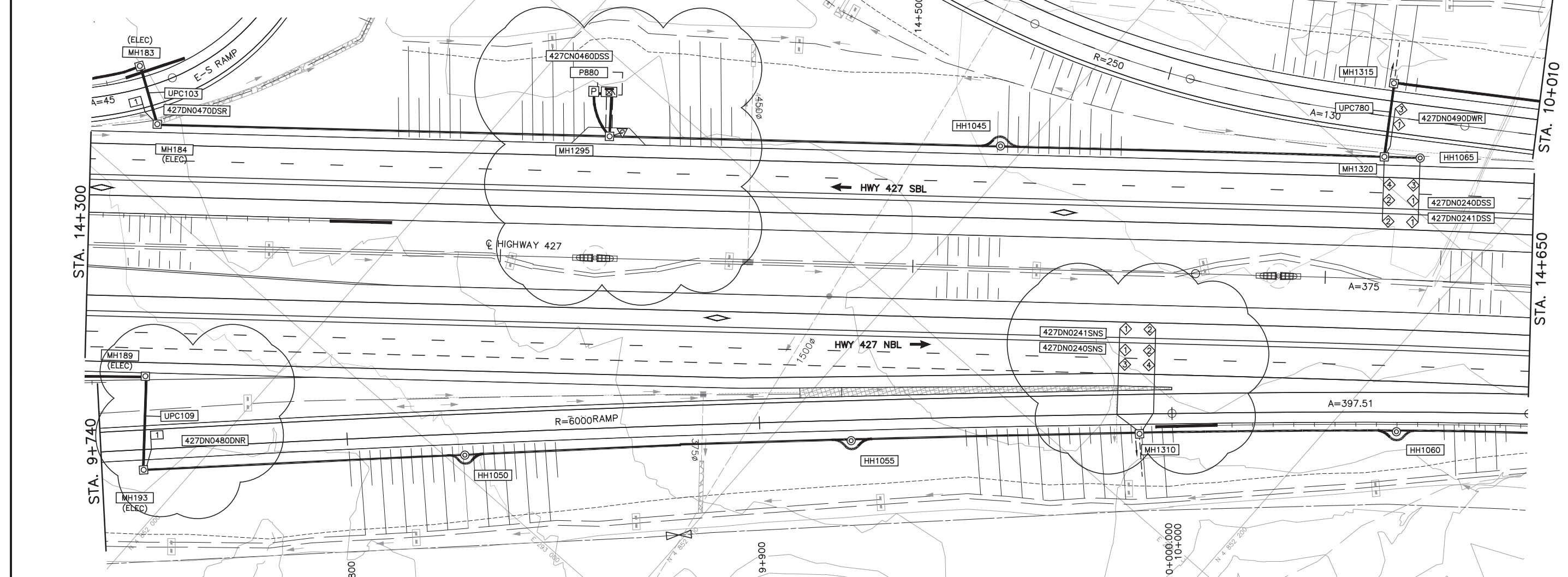


CITY OF VAUGHAN

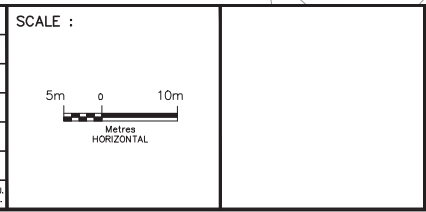
GENERAL NOTE:
A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.



WIRING DIAGRAM WD-V
COMMUNICATION SCHEMATIC CS-II



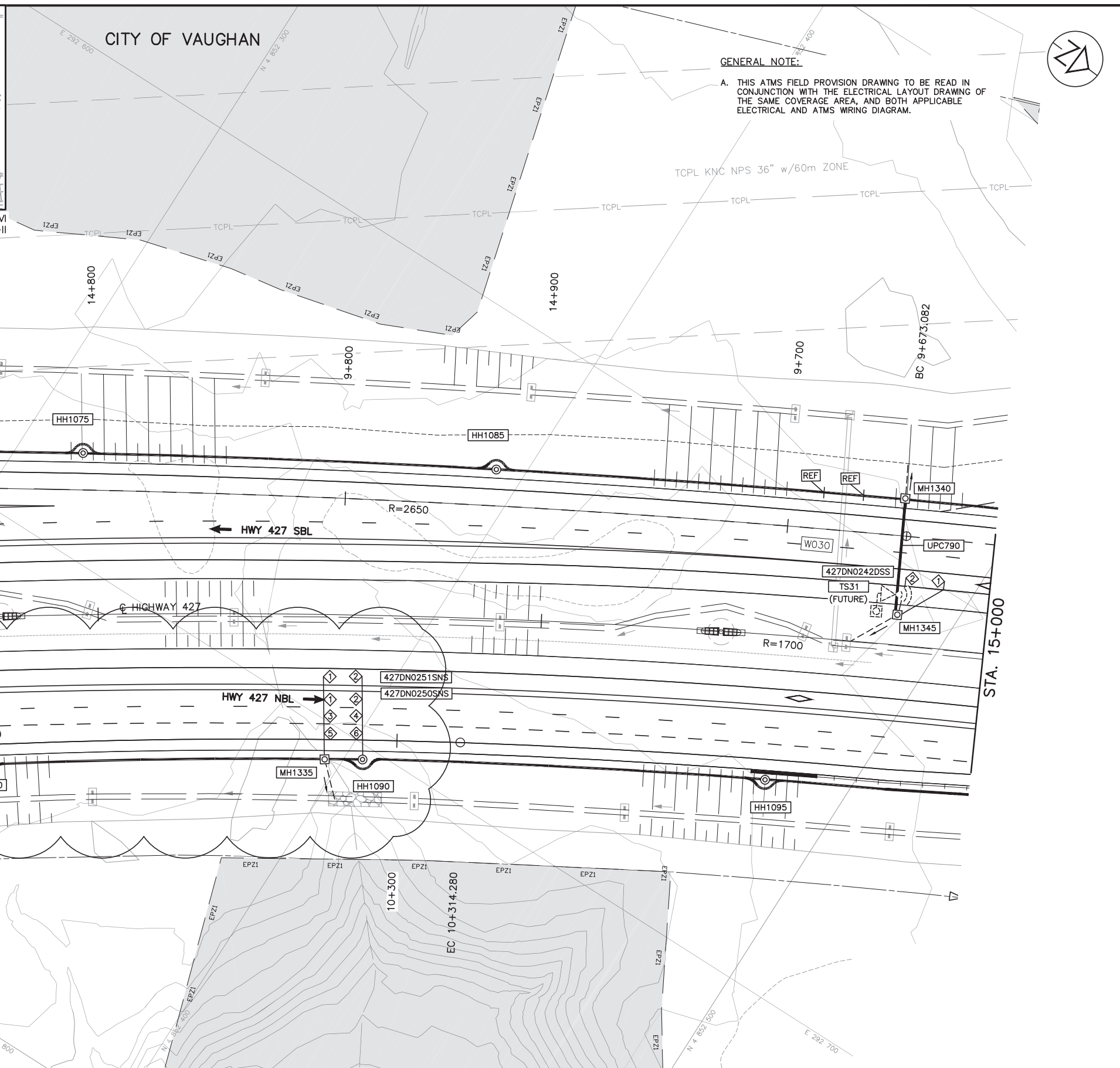
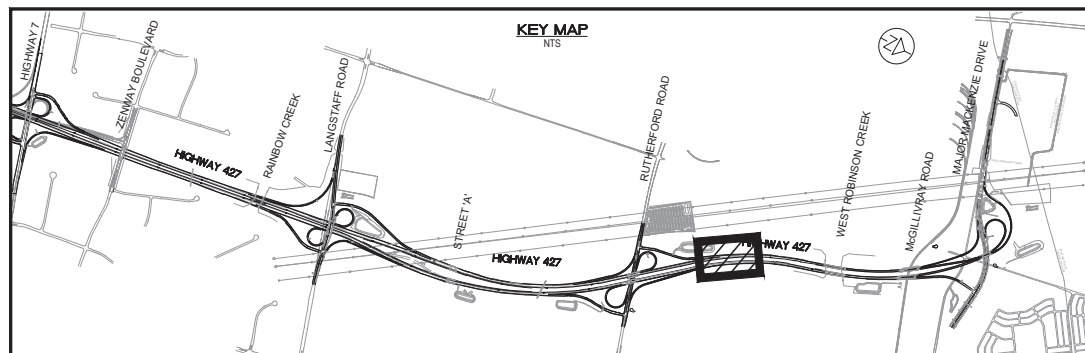
NO.	DATE	REVISIONS	BY	CHK	LEAD.	PROJ. MGR.
A	18/04/25	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE



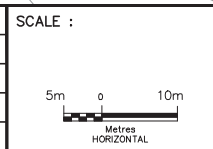
TITLE							
HWY 427 EXPANSION							
ITS - NEW CONSTRUCTION							
STA. 14+300 TO STA. 14+650							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1512	B



GENERAL NOTE:
 A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.



NO.	DATE	REVISIONS	BY	CHK	LEAD. ENG.	PROJ. MGR.
A	18/04/25	50% SUBMISSION TO CA				

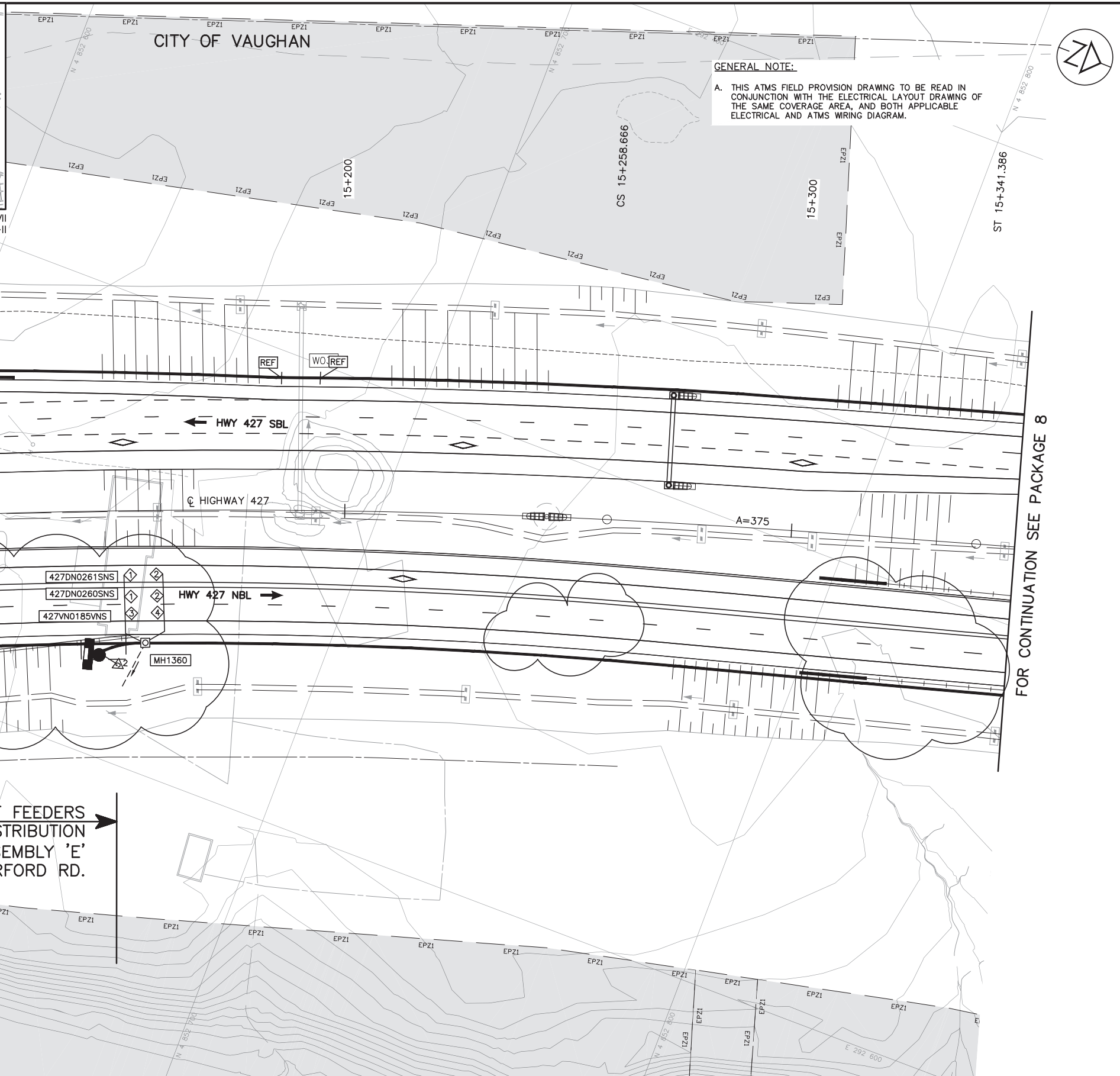
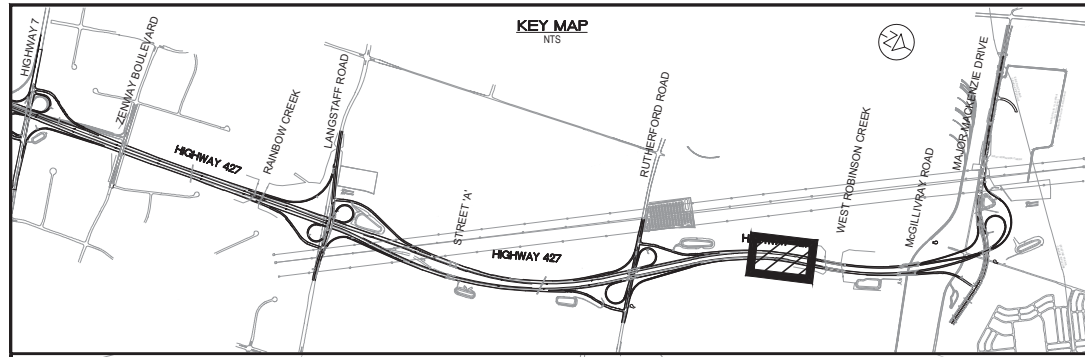


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT.
	DATE

CONSULTANT	
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT.
	DATE



TITLE							
HWY 427 EXPANSION							
ITS - NEW CONSTRUCTION							
STA. 14+650 TO STA. 15+000							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1513	B



GENERAL NOTE:
 A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

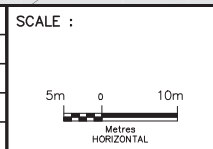
WIRING DIAGRAM WD-VII
 COMMUNICATION SCHEMATIC CS-II

STA. 15+000

FOR CONTINUATION SEE PACKAGE 8

LIMIT OF FEEDERS DISTRIBUTION ASSEMBLY 'E' AT RUTHERFORD RD.

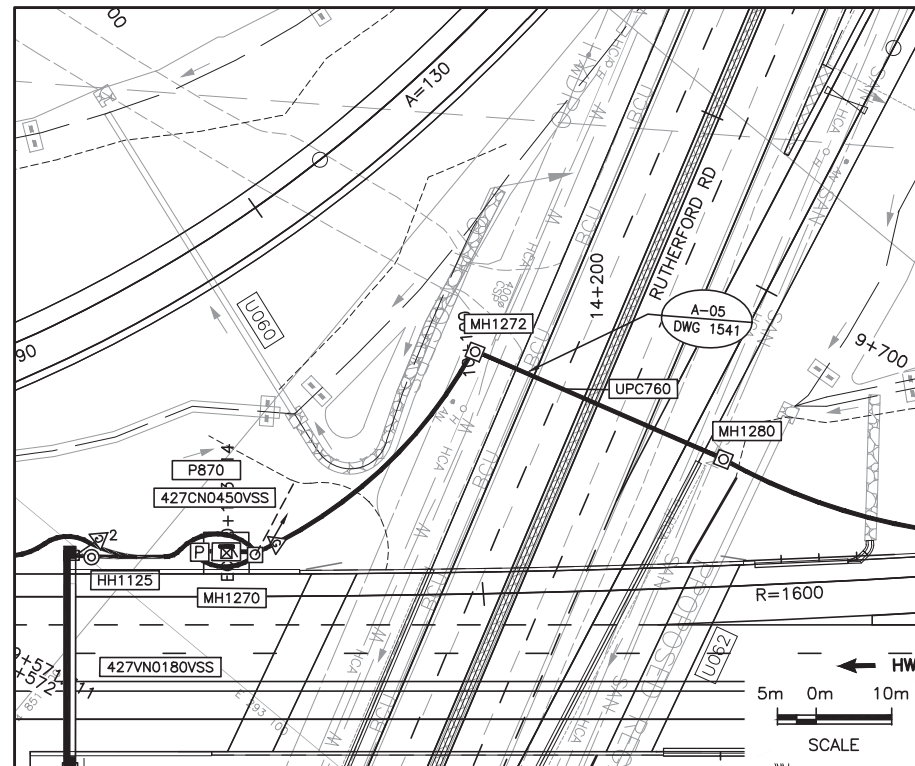
NO.	DATE	REVISIONS	BY	CHK	LEAD. ENG.	PROJ. MAN.
A	18/04/25	50% SUBMISSION TO CA				



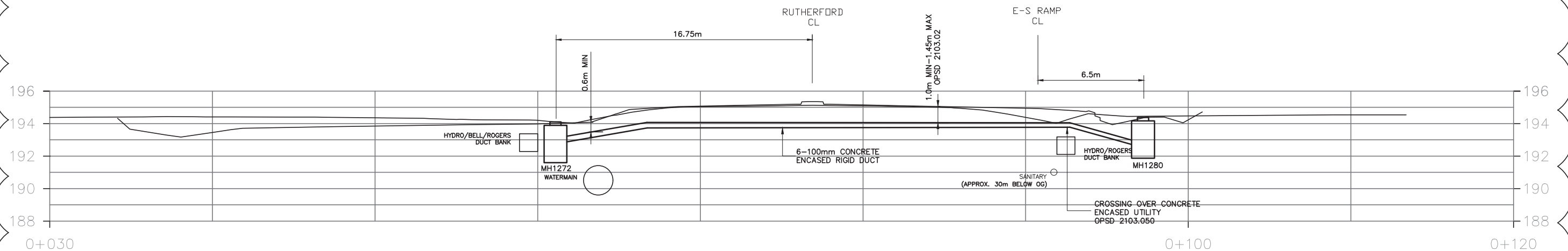
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE



TITLE							
HWY 427 EXPANSION							
ITS - NEW CONSTRUCTION							
STA. 15+000 TO STA. 15+350							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1514	B

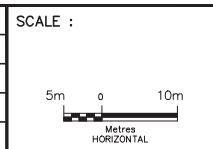


LAYOUT PLAN



DETAIL A-05
 UPC INSTALLATION DETAILS AT RUTHERFORD RD WEST SIDE
 UPC 760
 N.T.S.

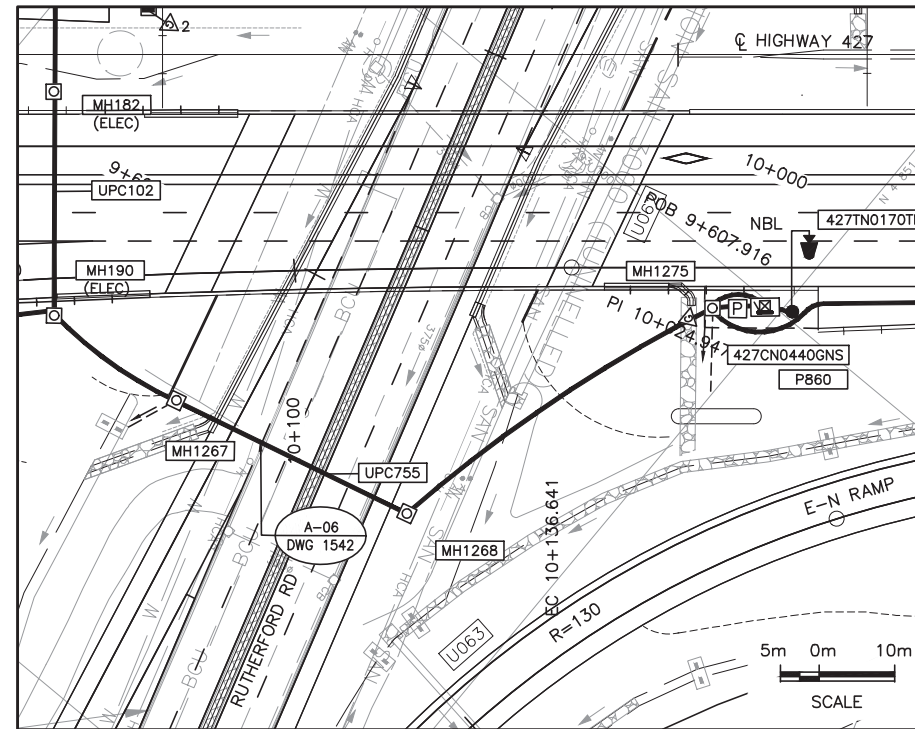
NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ. MGR.
B	19/01/25	50% SUBMISSION TO CA				
A	18/04/25	50% SUBMISSION TO CA				



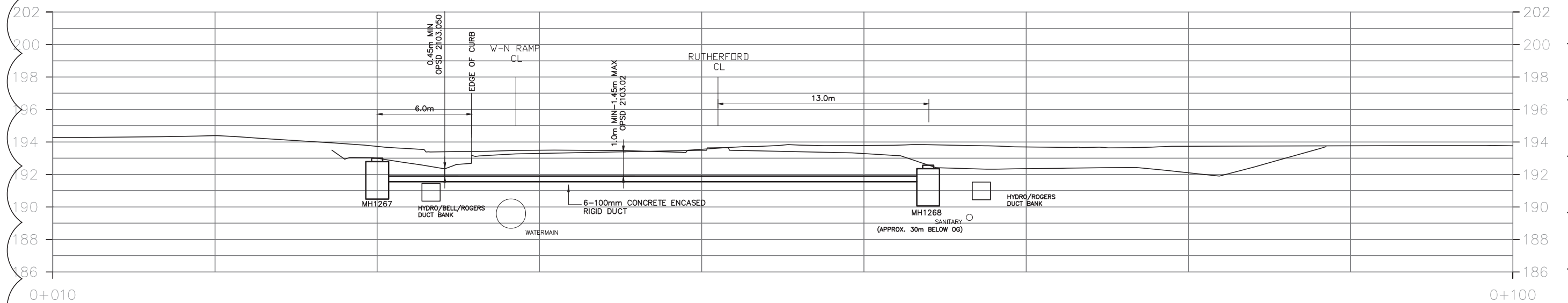
DESIGNED	AG & FE	DATE
DRAWN	NFG	
CHECKED	RBL	
APPROVED LEAD ENGINEER	RBL	
APPROVED PROJ. MANAGER		



TITLE							
HWY 427 EXPANSION							
ITS - CONSTRUCTION DETAIL - XVI							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1541	B

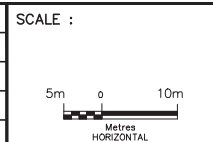


LAYOUT PLAN



DETAIL A-06
 UPC INSTALLATION DETAILS AT RUTHERFORD RD EAST SIDE
 UPC 755
 N.T.S.

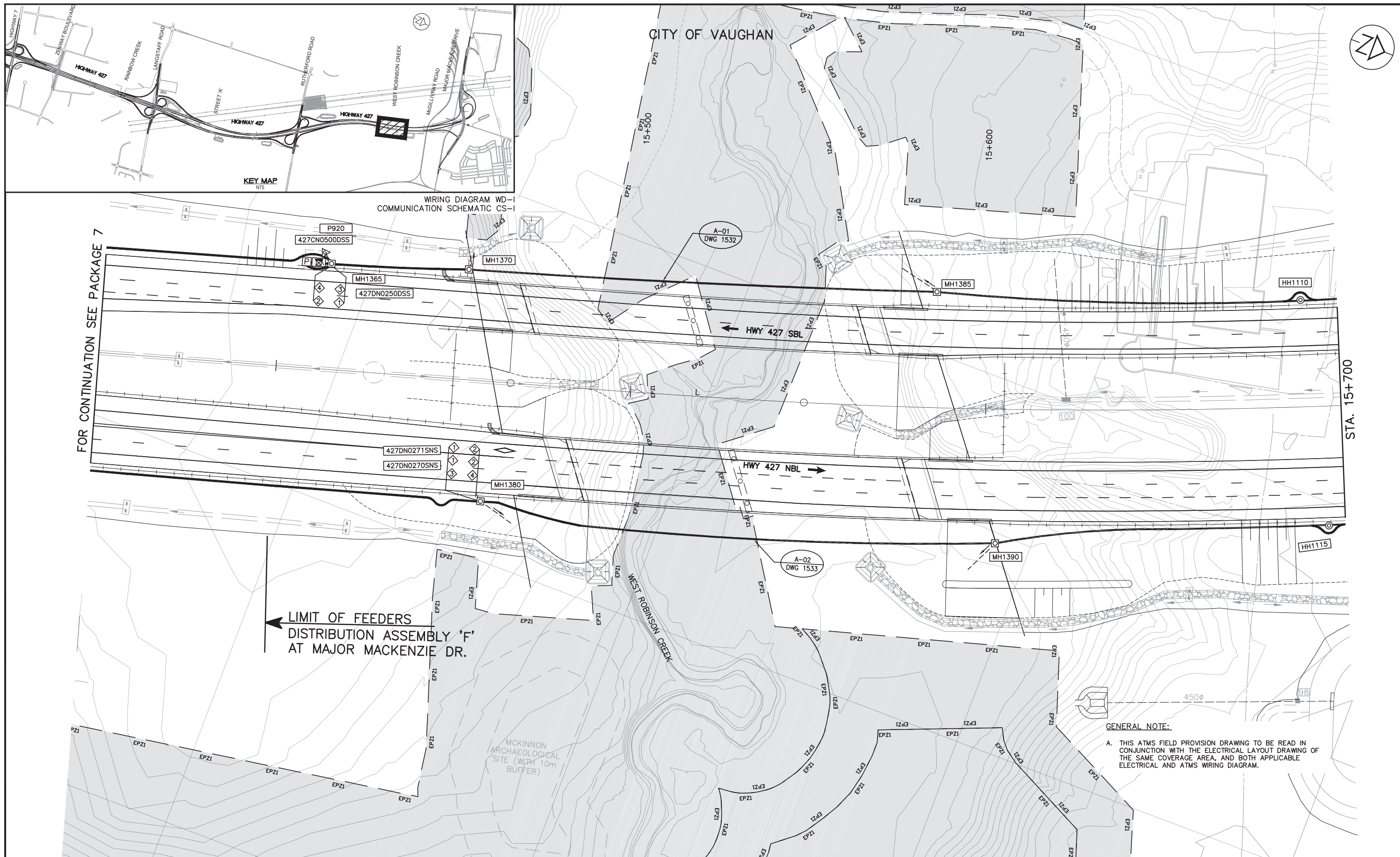
NO.	DATE	REVISIONS	BY	CHK	LEAD. DES.	PROJ. MGR.
B	19/01/25	50% SUBMISSION TO CA				
A	18/04/25	50% SUBMISSION TO CA				



DESIGNED	AG & FE	
DRAWN	NFG	
CHECKED	RBL	
APPROVED LEAD ENGINEER	RBL	
APPROVED PROJ. MANAGER		
NAME (PRINT)	INIT.	DATE



TITLE							
HWY 427 EXPANSION							
ITS - CONSTRUCTION DETAIL - XVII							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	7	ITS	000	DWG	1542	B



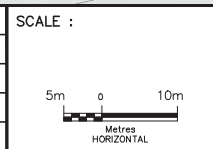
FOR CONTINUATION SEE PACKAGE 7

STA. 15+700

← LIMIT OF FEEDERS
DISTRIBUTION ASSEMBLY 'F'
AT MAJOR MACKENZIE DR.

GENERAL NOTE:
A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ. MGR.
A	19/01/25	90% SUBMISSION TO CA				

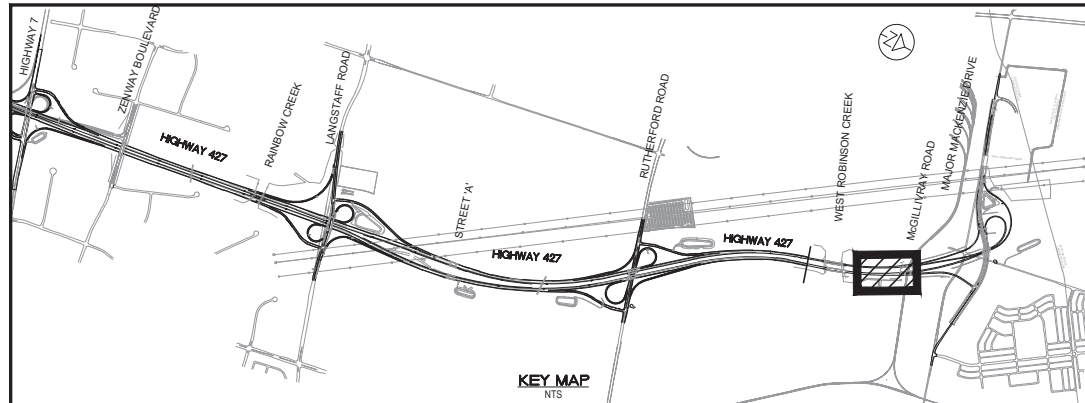


DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INIT.	DATE

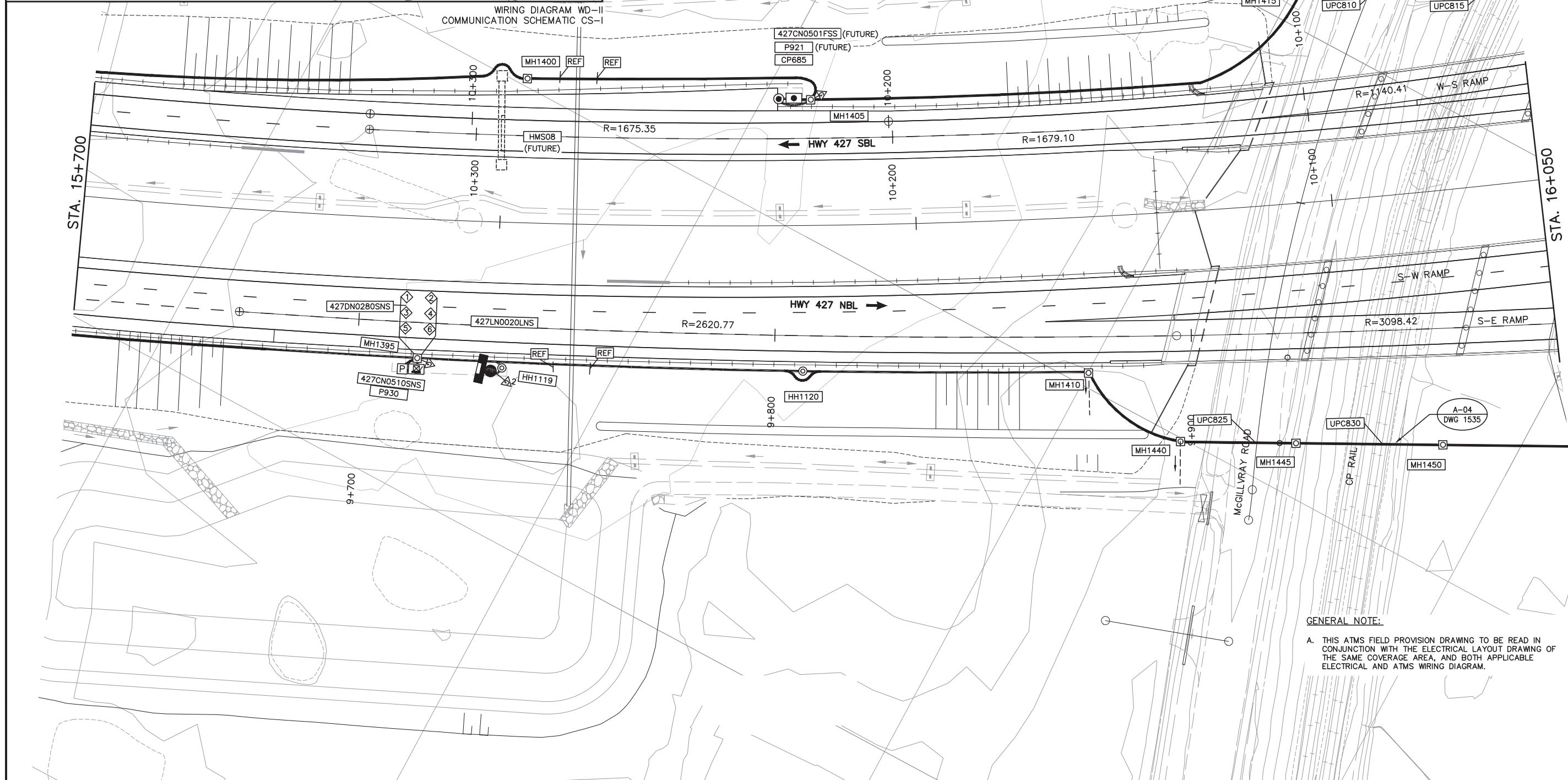


TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 15+350 TO STA. 15+700							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1507	A

CITY OF VAUGHAN

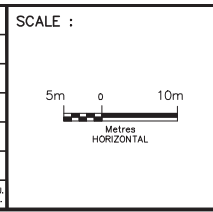


WIRING DIAGRAM WD-II
COMMUNICATION SCHEMATIC CS-I



GENERAL NOTE:
A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	19/01/25	90% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE

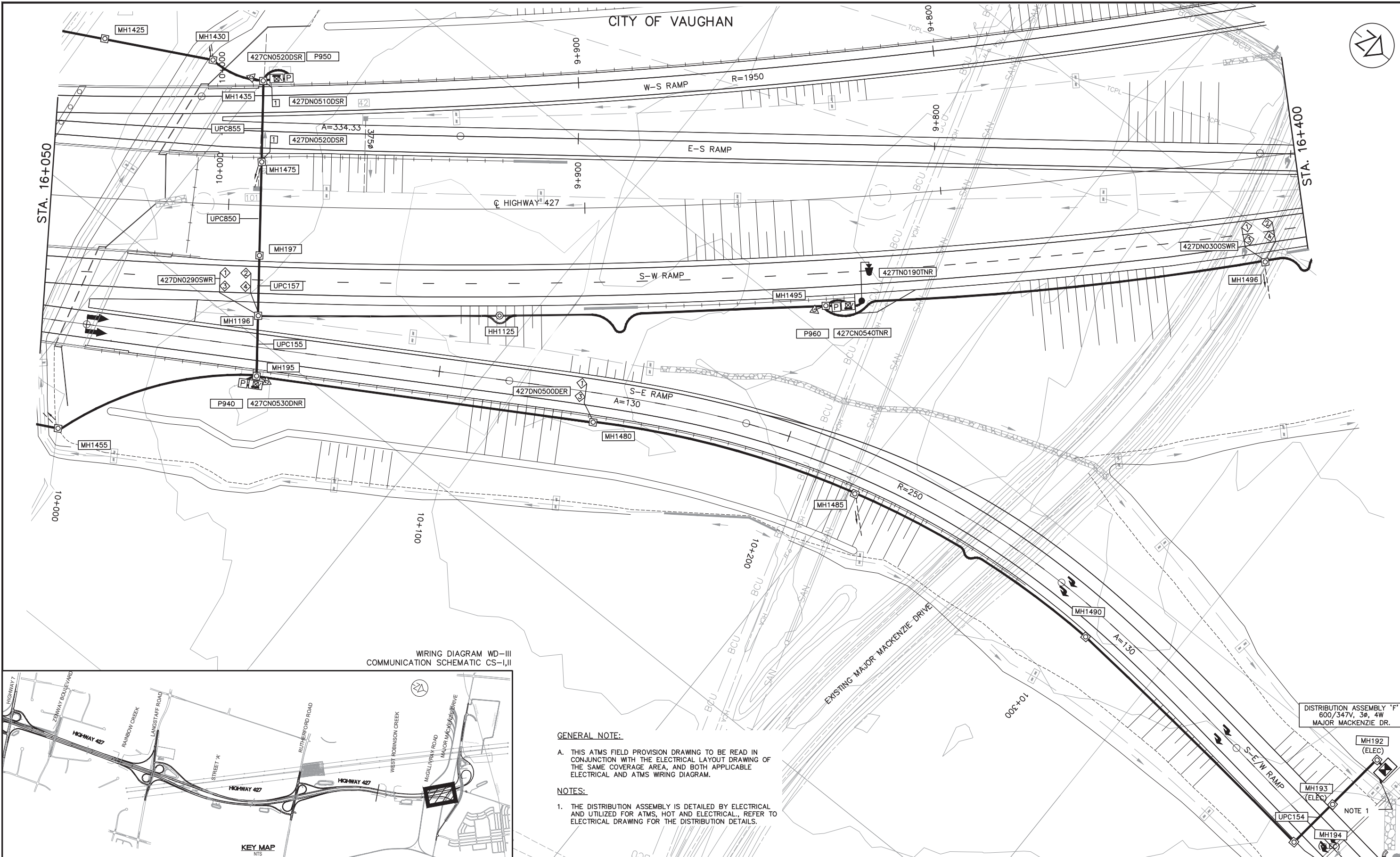
CONSULTANT	
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE



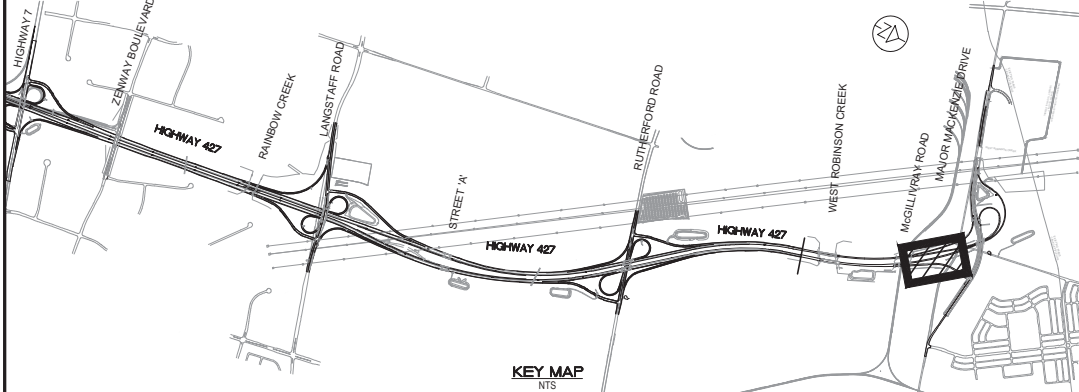
TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 15+700 TO STA. 16+050							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1508	A



CITY OF VAUGHAN



WIRING DIAGRAM WD-III
COMMUNICATION SCHEMATIC CS-I,II



KEY MAP
NTS

GENERAL NOTE:

A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

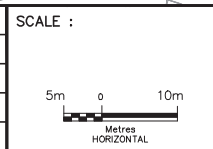
NOTES:

1. THE DISTRIBUTION ASSEMBLY IS DETAILED BY ELECTRICAL AND UTILIZED FOR ATMS, HOT AND ELECTRICAL., REFER TO ELECTRICAL DRAWING FOR THE DISTRIBUTION DETAILS.

DISTRIBUTION ASSEMBLY 'F'
600/347V, 3ø, 4W
MAJOR MACKENZIE DR.

NOTE 1

NO.	DATE	REVISIONS	BY	CHK	LEAD. ENG.	PROJ. MGR.
A	19/01/25	90% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INIT.	DATE

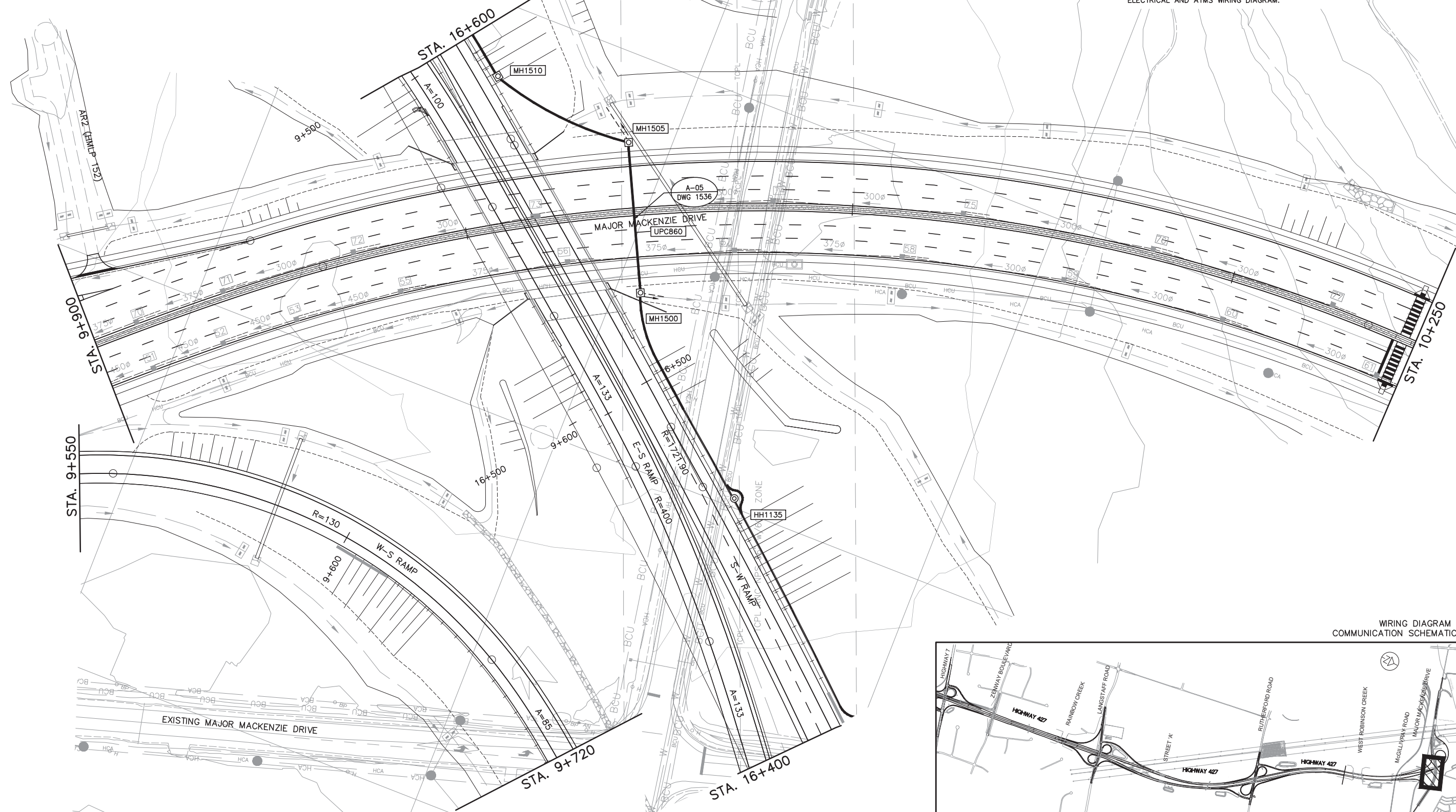


TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 16+050 TO STA. 16+400							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1509	A

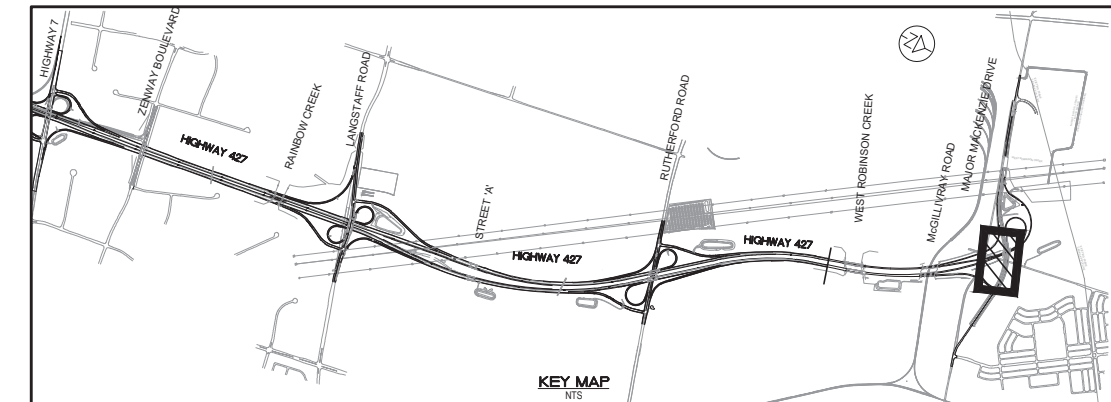


GENERAL NOTE:
 A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.

CITY OF VAUGHAN

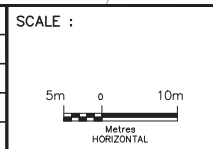


WIRING DIAGRAM WD-IV
 COMMUNICATION SCHEMATIC CS-II



KEY MAP
 NTS

NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	19/01/25	90% SUBMISSION TO CA				



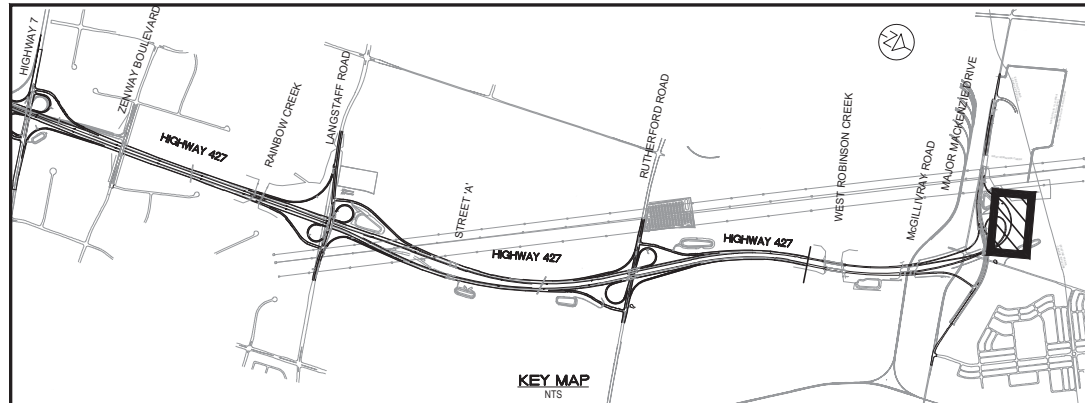
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	INT. DATE



TITLE						
HWY 427 EXPANSION						
ITS-NEW CONSTRUCTION						
STA. 9+900 TO STA. 10+250						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	N	8	ITS	000	DWG	1510
						REVISION NUMBER
						A

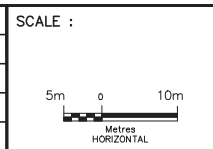
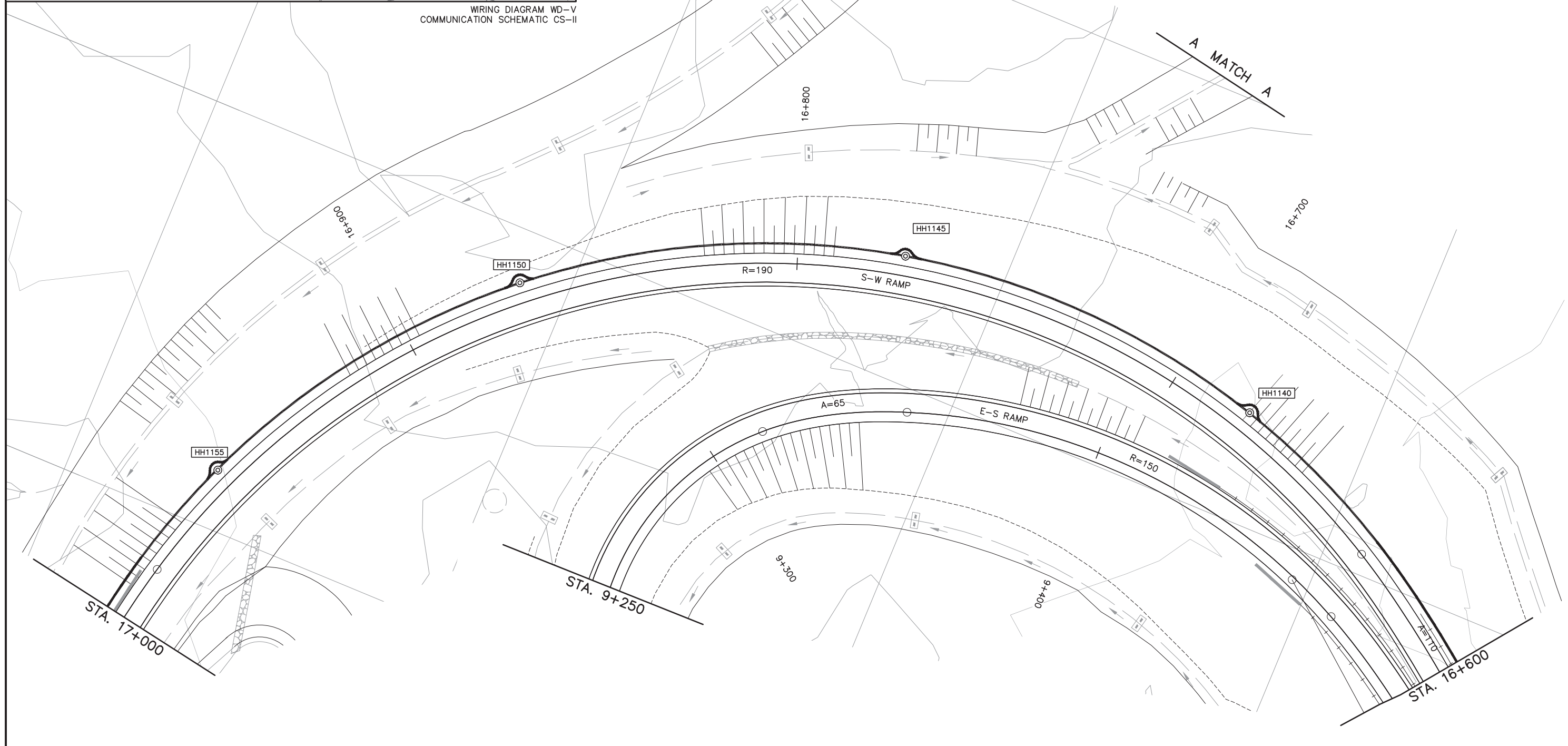


GENERAL NOTE:
 A. THIS ATMS FIELD PROVISION DRAWING TO BE READ IN CONJUNCTION WITH THE ELECTRICAL LAYOUT DRAWING OF THE SAME COVERAGE AREA, AND BOTH APPLICABLE ELECTRICAL AND ATMS WIRING DIAGRAM.



CITY OF VAUGHAN

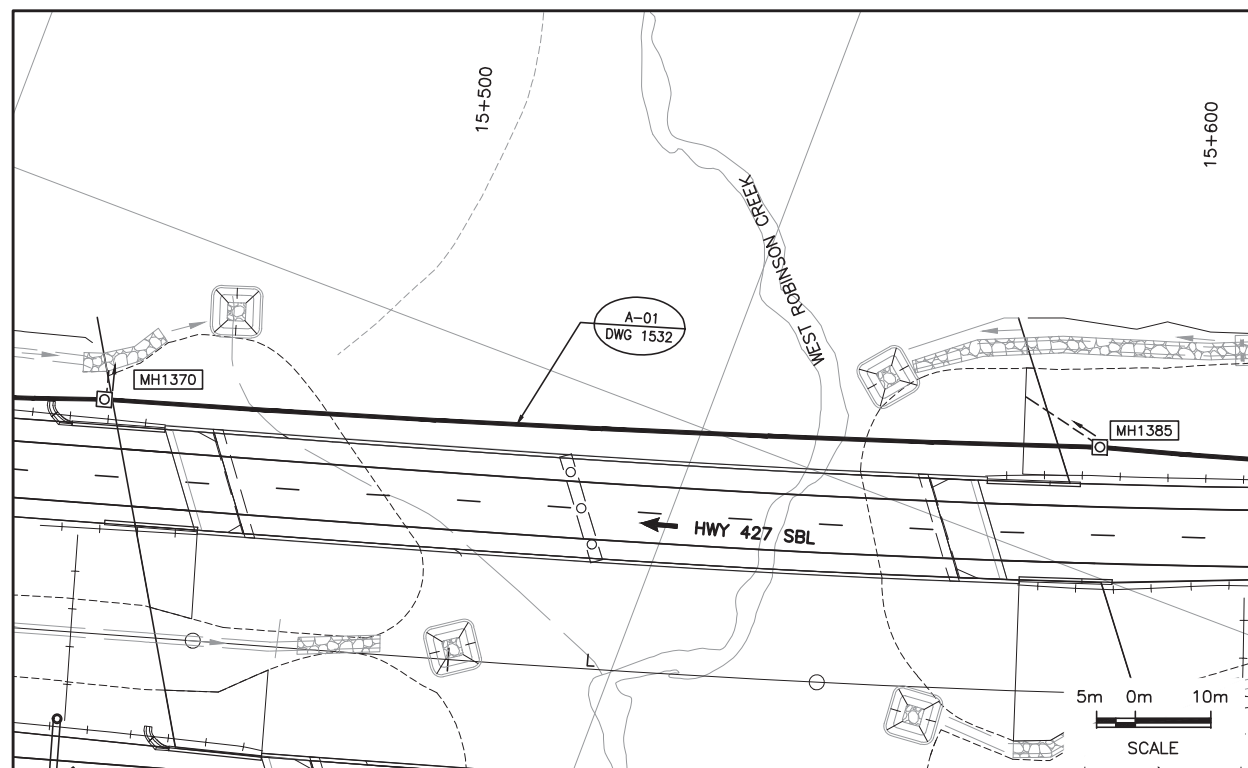
WIRING DIAGRAM WD-V
 COMMUNICATION SCHEMATIC CS-II



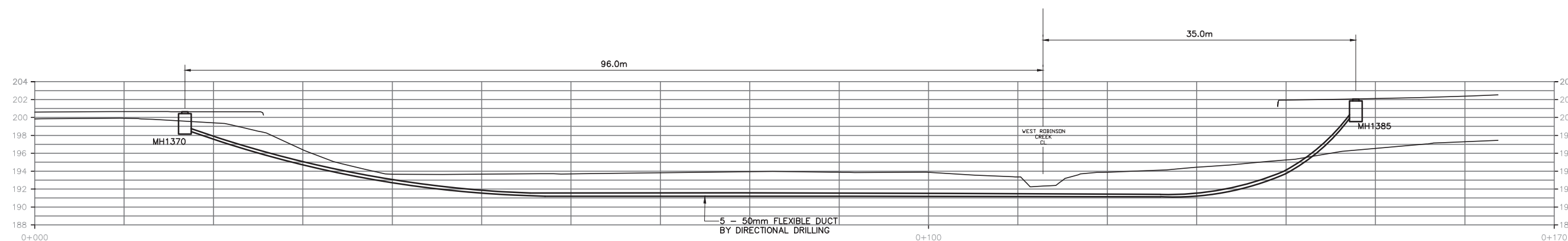
DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INIT.	DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 16+600 TO STA. 17+000							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1511	A

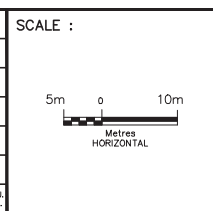


LAYOUT PLAN



DETAIL A-01
 DUCTS INSTALLATION DETAILS AT WEST ROBINSON WEST SIDE
 N.T.S.

NO.	DATE	REVISIONS	BY	CHK	LEAD. DISC.	PROJ. MGR.
A	19/01/25	90% SUBMISSION TO CA				

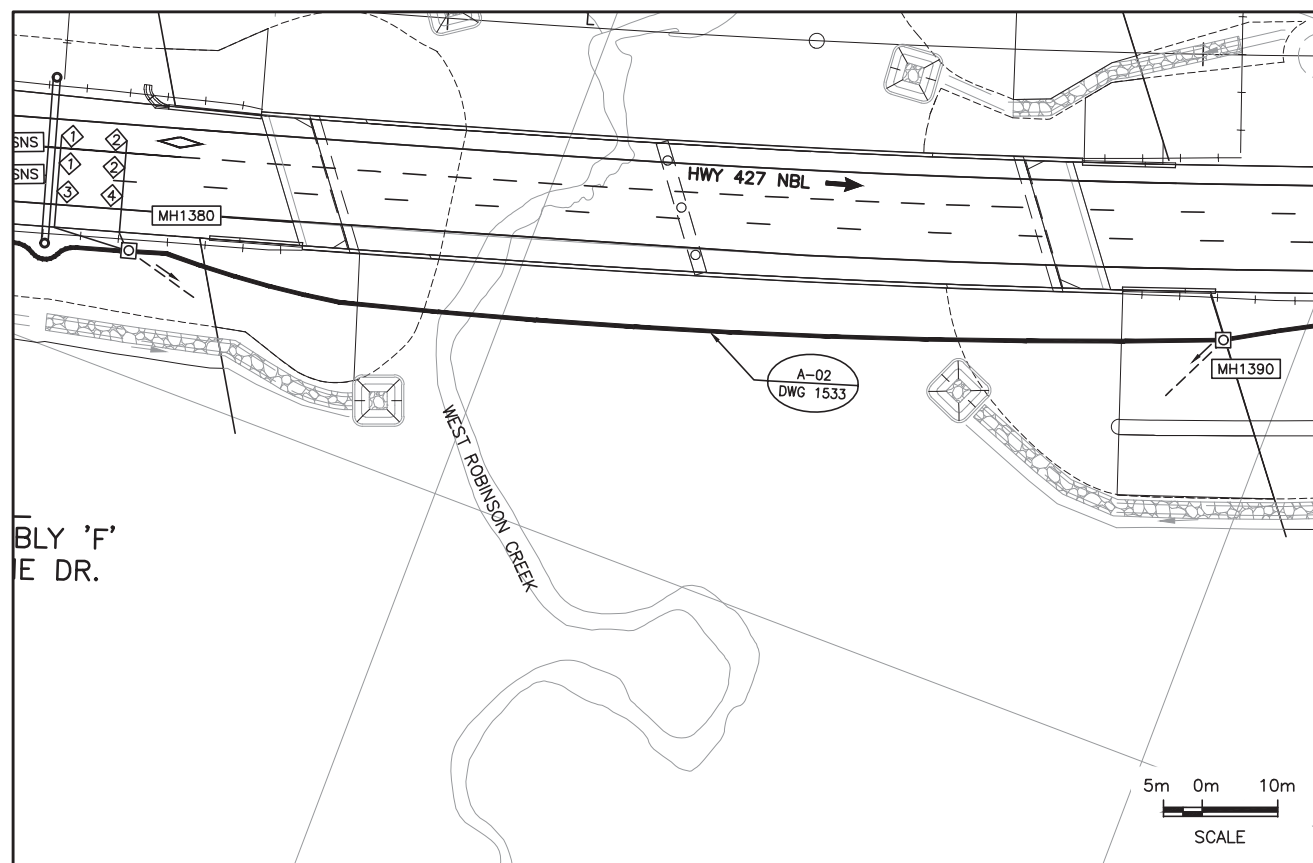


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

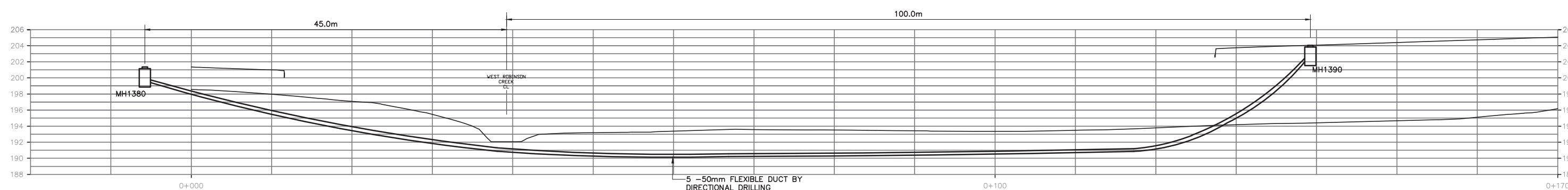
CONSULTANT	
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE



TITLE							
HWY 427 EXPANSION							
ITS - CONSTRUCTION DETAIL - XV							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1532	A

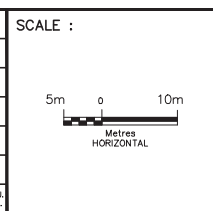


LAYOUT PLAN

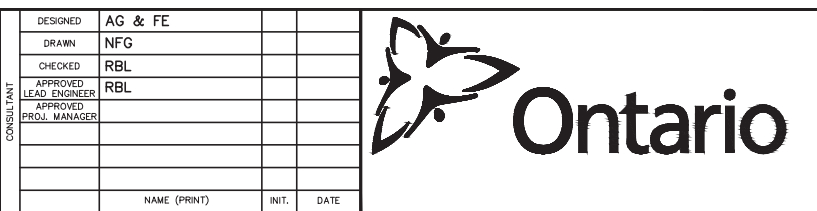


DETAIL A-02
DUCTS INSTALLATION DETAILS AT WEST ROBINSON EAST SIDE
N.T.S.

DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE



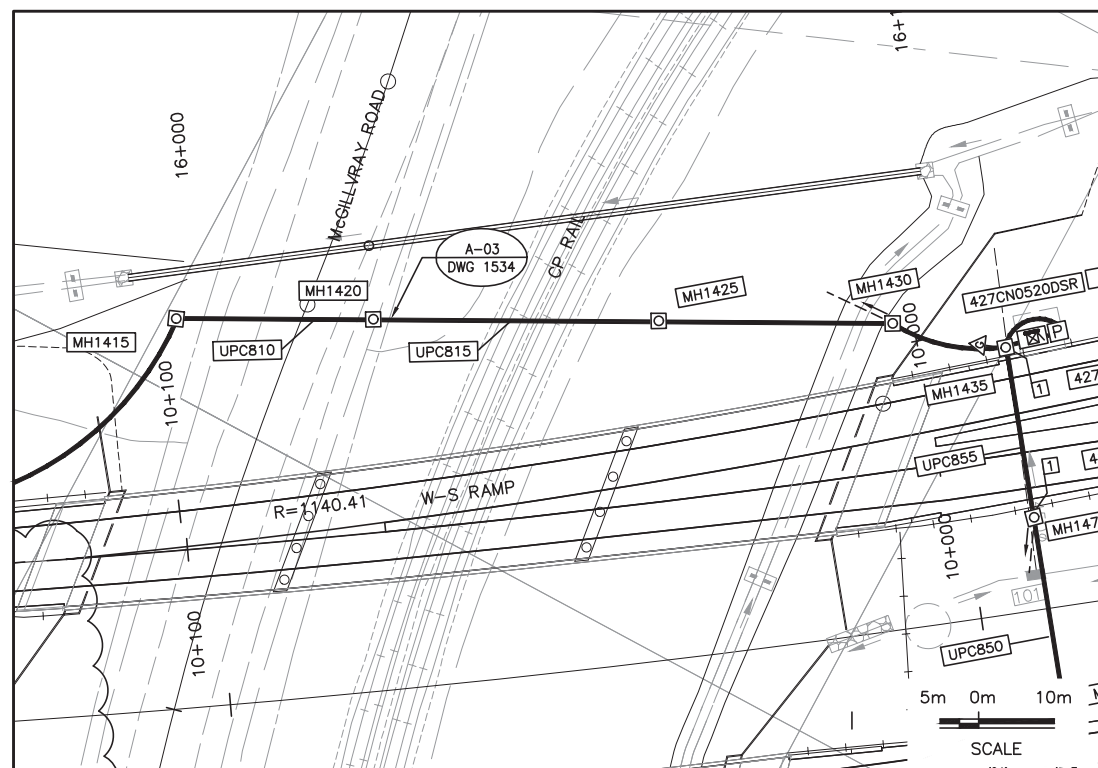
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1533	A



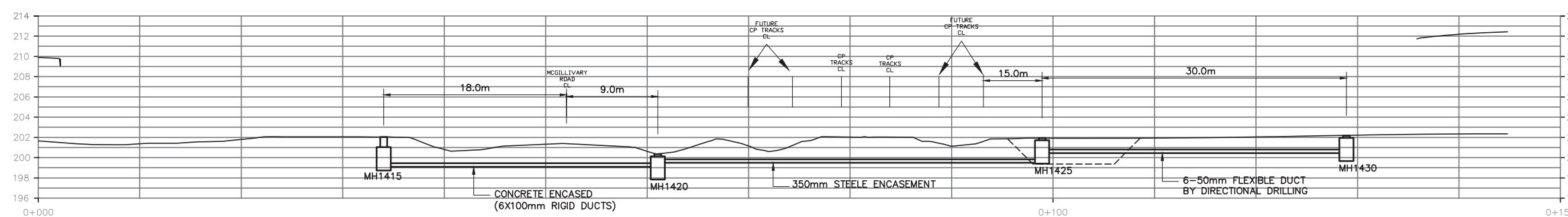
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1533	A

TITLE							
HWY 427 EXPANSION							
ITS - CONSTRUCTION DETAIL - XVI							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1533	A

NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	19/01/25	90% SUBMISSION TO CA				

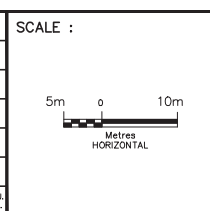


LAYOUT PLAN



DETAIL A-03
 UPC INSTALLATION DETAILS AT MCGILLIVRAY RD AND CP RAIL WEST SIDE
 UPC 810, 815
 N.T.S.

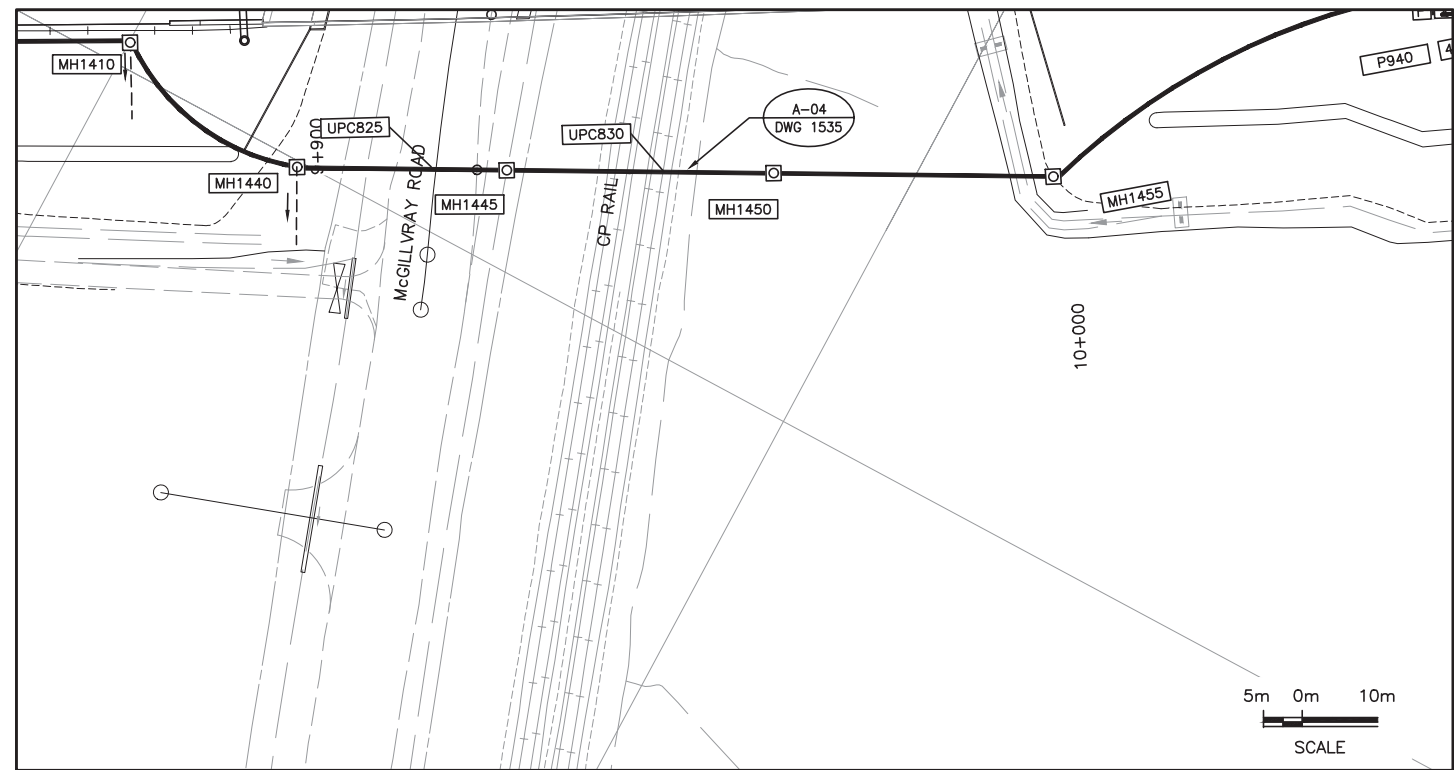
NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ. MGR.
A	19/01/25	90% SUBMISSION TO CA				



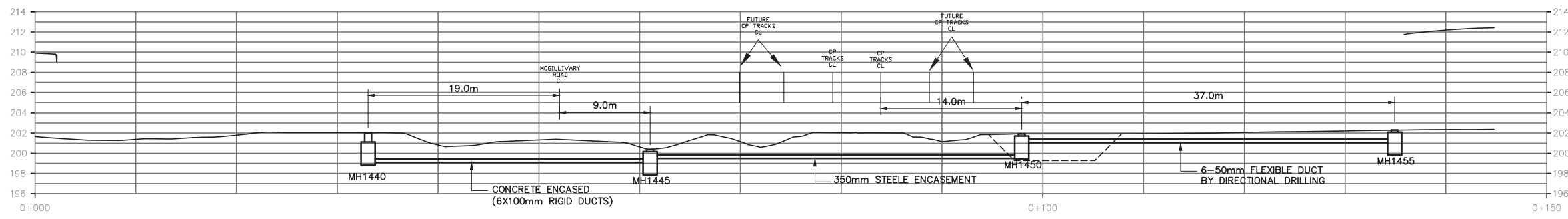
DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INT.	DATE



TITLE							
HWY 427 EXPANSION							
ITS - CONSTRUCTION DETAIL - XVII							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1534	A

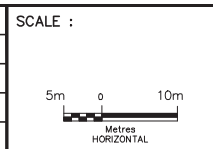


LAYOUT PLAN



DETAIL A-04
 UPC INSTALLATION DETAILS AT MCGILLIVRAY RD AND CP RAIL EAST SIDE
 UPC 825, 830
 N.T.S.

NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ
A	19/01/25	90% SUBMISSION TO CA				

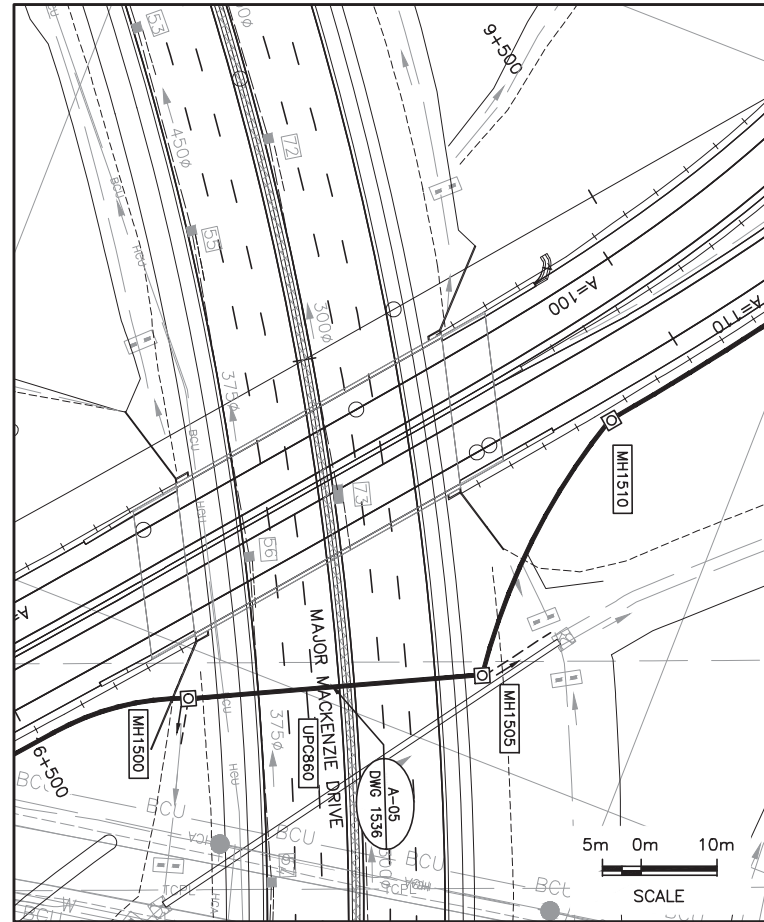


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT.
	DATE

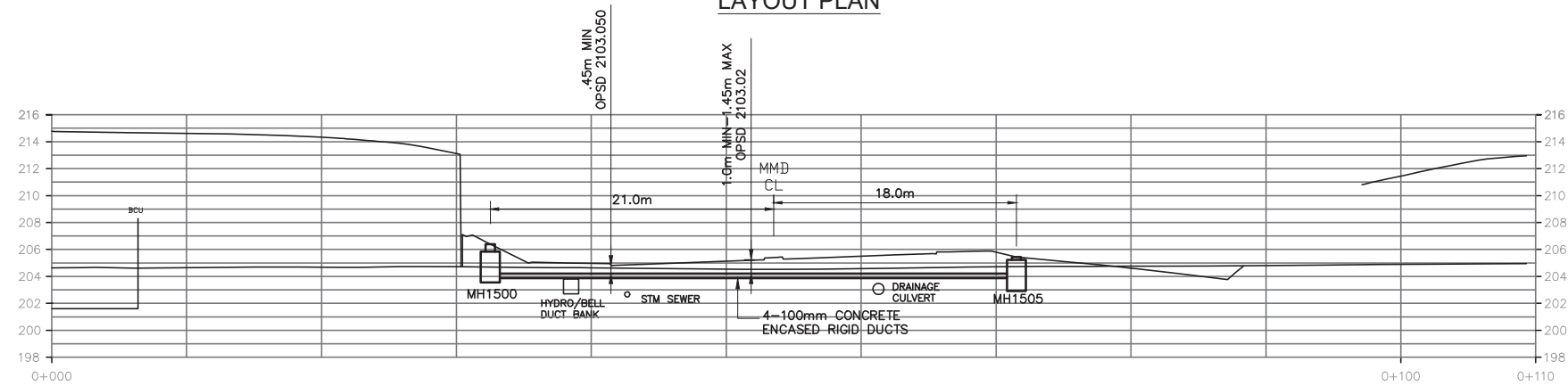
CONSULTANT	



TITLE							
HWY 427 EXPANSION							
ITS - CONSTRUCTION DETAIL - XVIII							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1535	A

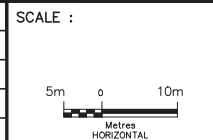


LAYOUT PLAN



DETAIL A-05
 UPC INSTALLATION DETAILS AT MAJOR MACKENZIE DR. WEST SIDE
 UPC 760
 N.T.S.

NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	19/01/25	90% SUBMISSION TO CA				



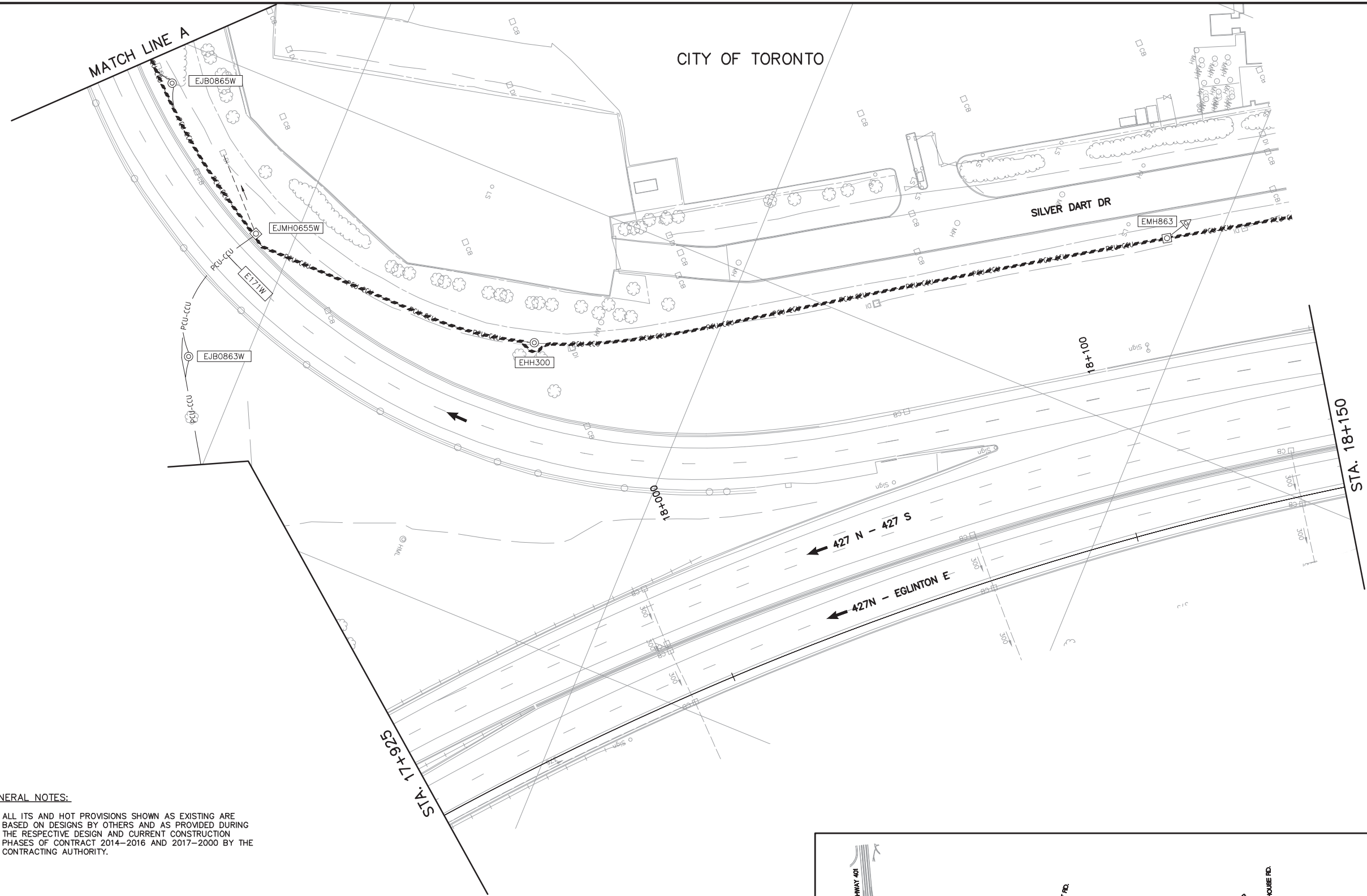
DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
		NAME (PRINT)	INIT. DATE



TITLE							
HWY 427 EXPANSION							
ITS - CONSTRUCTION DETAIL - XIX							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	N	8	ITS	000	DWG	1536	A

MATCH LINE A

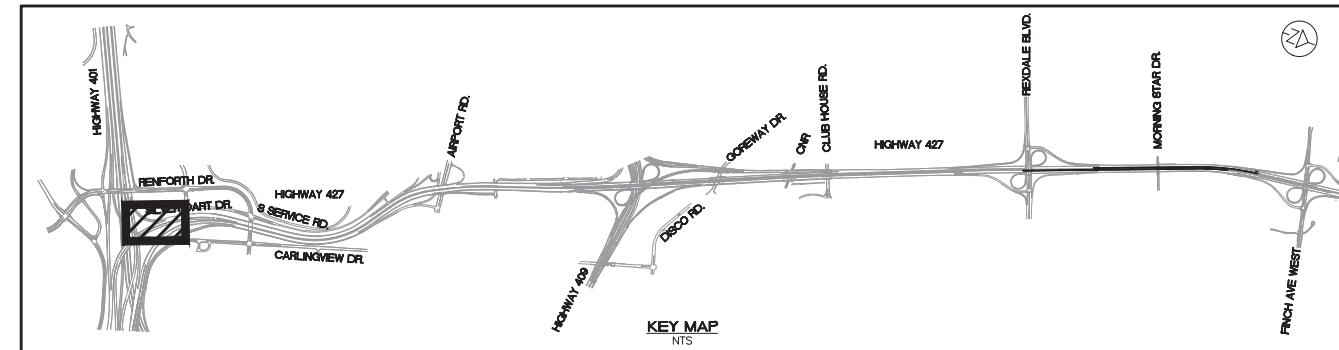
CITY OF TORONTO



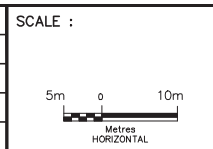
GENERAL NOTES:

- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

WIRING DIAGRAM WD-1
COMMUNICATION SCHEMATIC CS-1



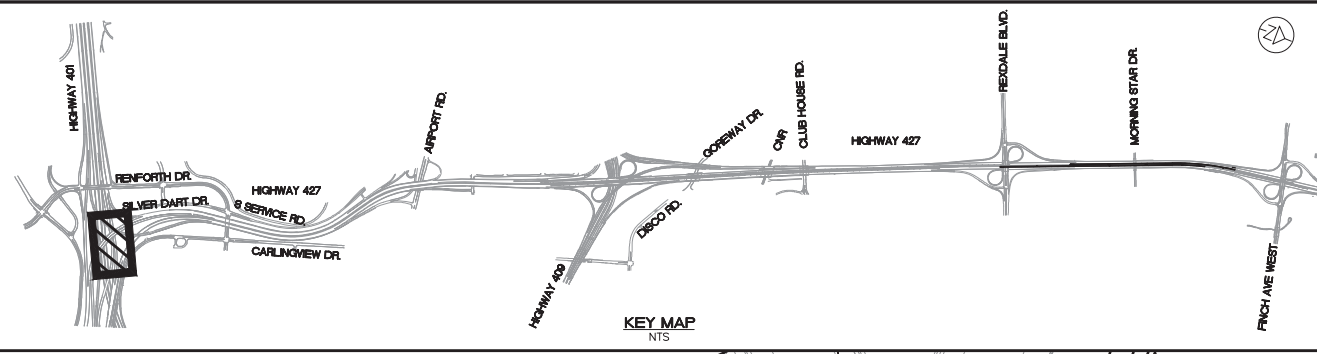
NO.	DATE	REVISIONS	BY	CHK	LEAD. DES.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
		NAME (PRINT)	INT. DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 17+925 TO STA. 18+150							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1523	A



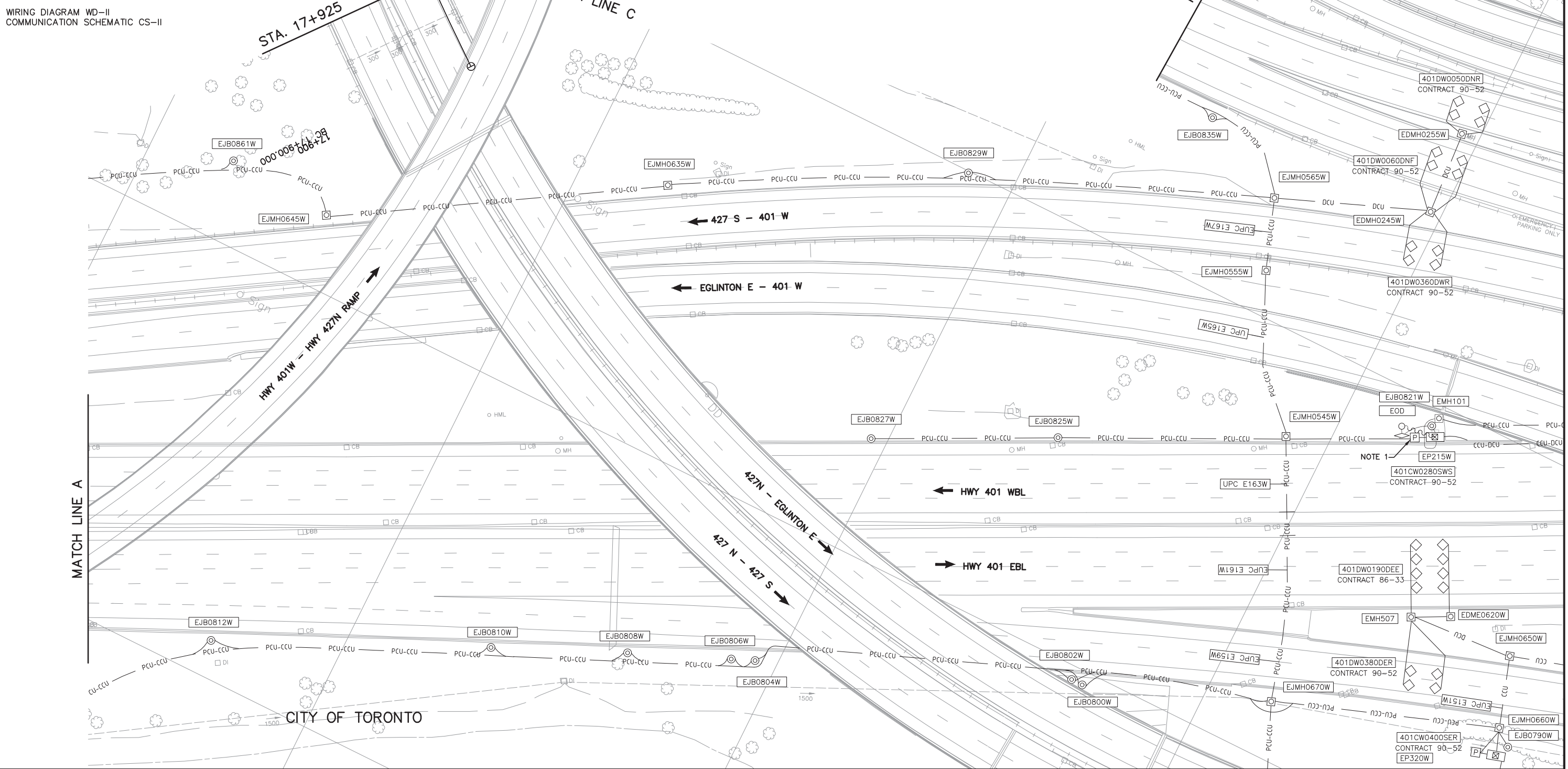
GENERAL NOTES:

A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

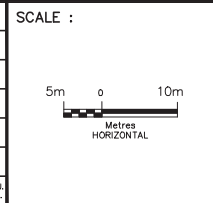
NOTES:

1. THE CONTRACTOR SHALL SPLICE FIBRES OF THE EXISTING FIBRE OPTIC CABLE INSIDE THE EXISTING COMMUNICATION PEDESTAL EP215W AS INDICATED IN COMM. SCHEMATIC DRAWING CS-2.

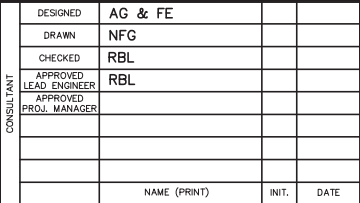
WIRING DIAGRAM WD-II
COMMUNICATION SCHEMATIC CS-II



NO.	DATE	REVISIONS	BY	CHK	LEAD.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				

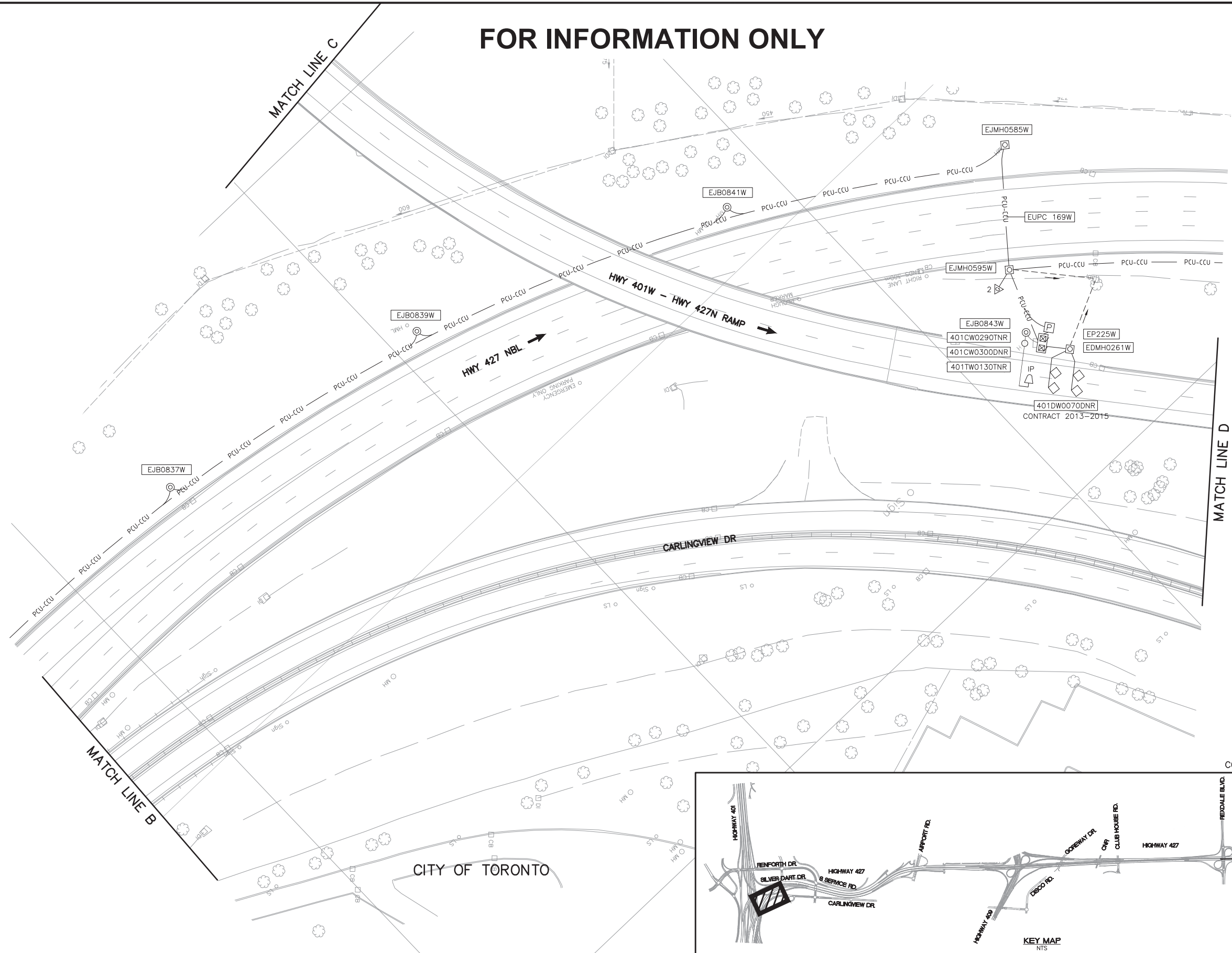


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	INT.
	DATE

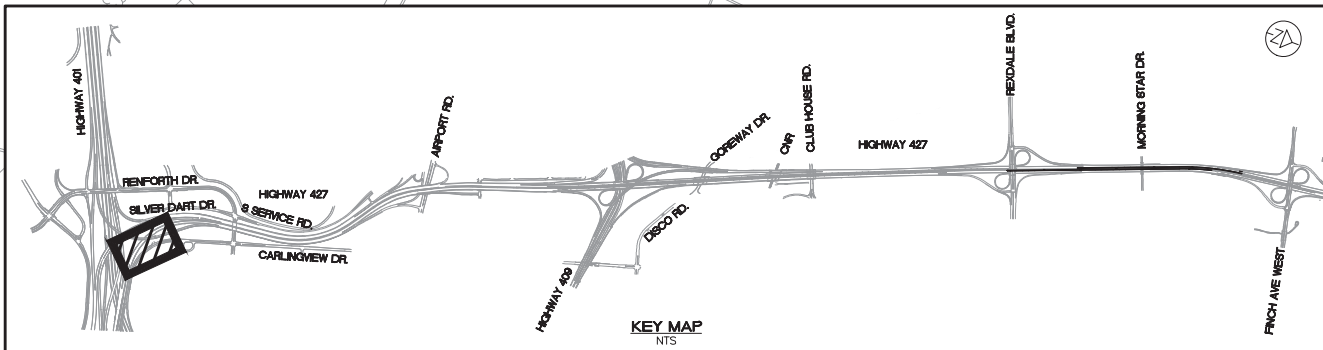


TITLE						
HWY 427 EXPANSION						
ITS-NEW CONSTRUCTION						
STA. 17+925 TO STA. XX+XXX						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	F	10	ITS	000	DWG	1524
						REVISION NUMBER
						A

FOR INFORMATION ONLY

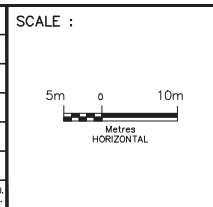


WIRING DIAGRAM WD-II
COMMUNICATION SCHEMATIC CS-II



CITY OF TORONTO

NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	18/06/08	50% SUBMISSION TO CA				



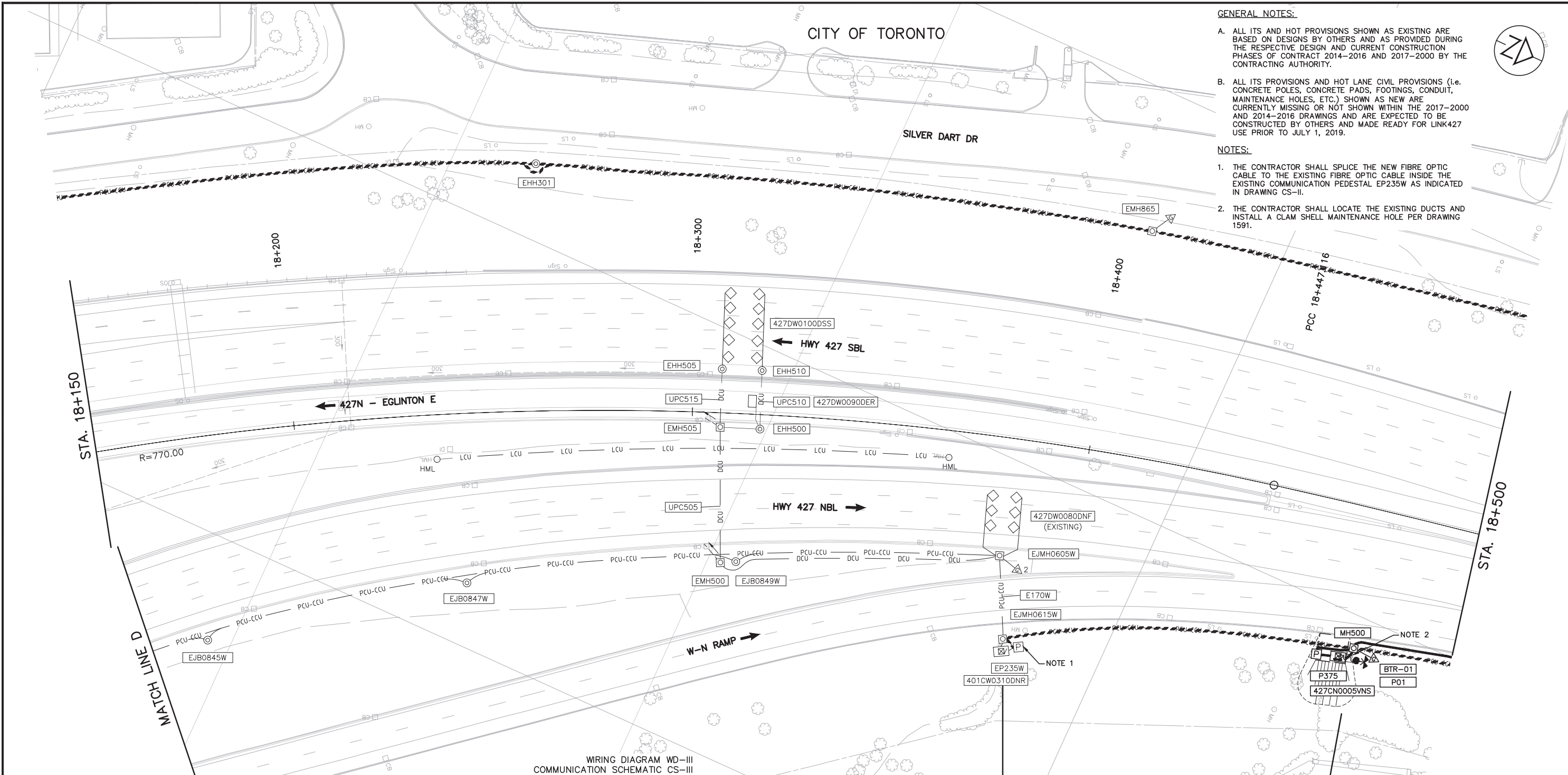
DESIGNED	AG & FE	
DRAWN	NFG	
CHECKED	RBL	
APPROVED LEAD ENGINEER	RBL	
APPROVED PROJ. MANAGER		
NAME (PRINT)	INIT.	DATE



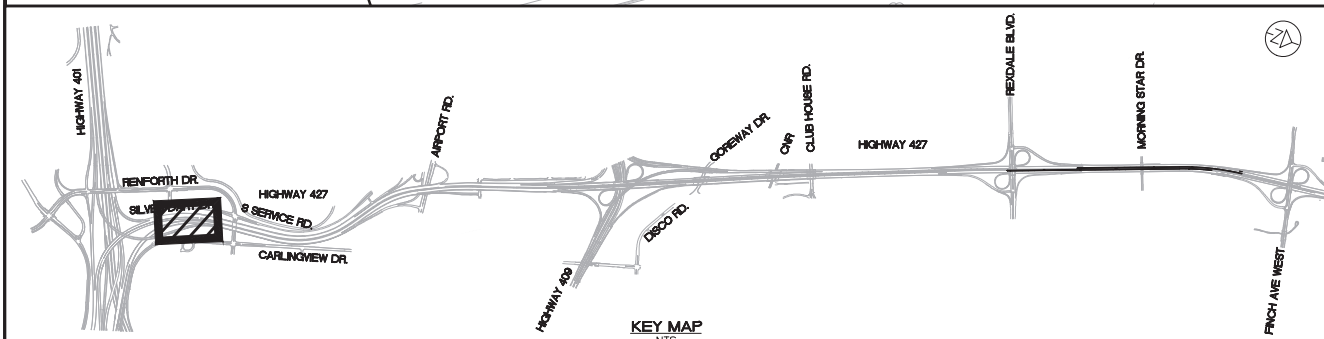
TITLE						
HWY 427 EXPANSION						
ITS-NEW CONSTRUCTION						
STA. 10+150 TO STA. 10+500						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	F	10	ITS	000	DWG	1525

CITY OF TORONTO

- GENERAL NOTES:**
- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
 - B. ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.
- NOTES:**
- 1. THE CONTRACTOR SHALL SPLICE THE NEW FIBRE OPTIC CABLE TO THE EXISTING FIBRE OPTIC CABLE INSIDE THE EXISTING COMMUNICATION PEDESTAL EP235W AS INDICATED IN DRAWING CS-II.
 - 2. THE CONTRACTOR SHALL LOCATE THE EXISTING DUCTS AND INSTALL A CLAM SHELL MAINTENANCE HOLE PER DRAWING 1591.

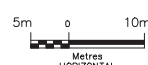


WIRING DIAGRAM WD-III
COMMUNICATION SCHEMATIC CS-III



KEY MAP
NTS

SCALE :

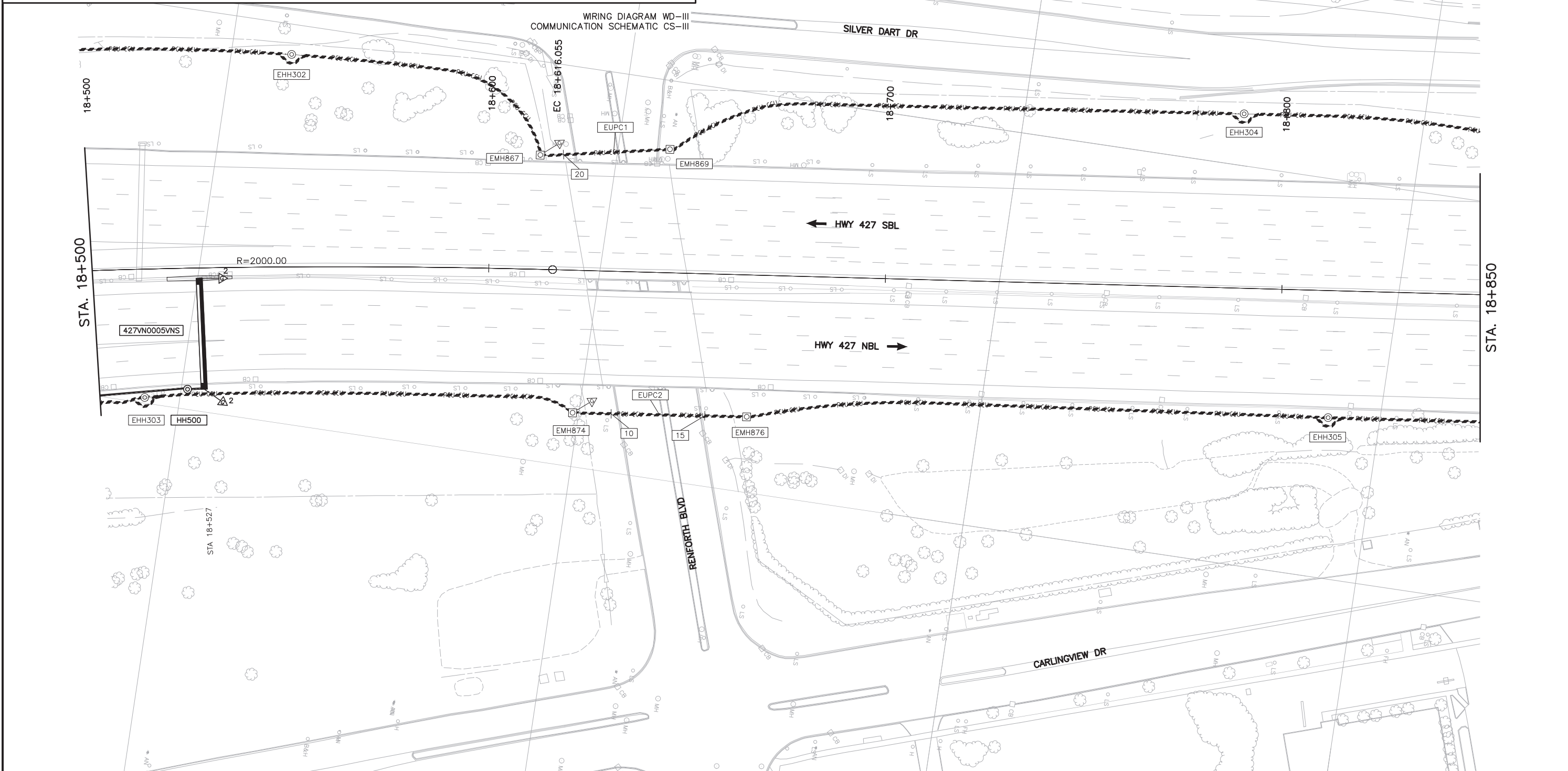
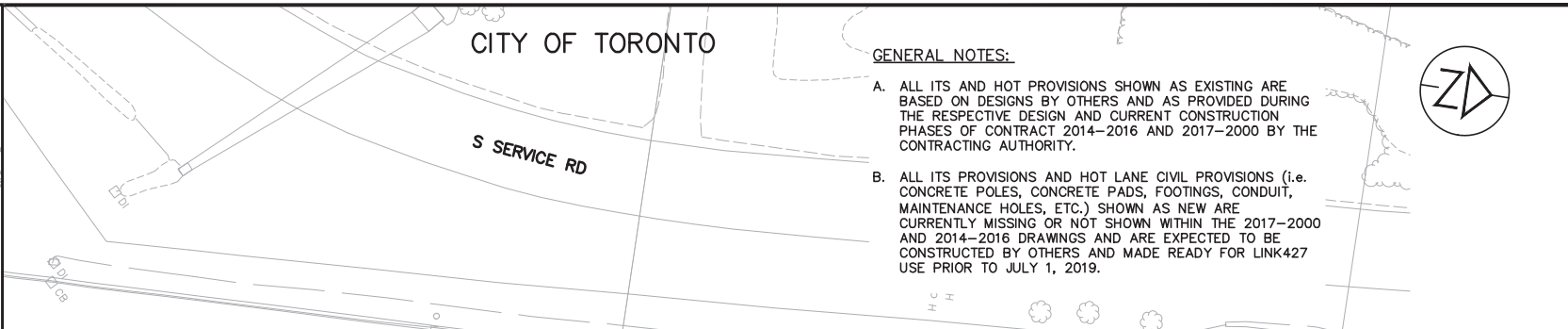
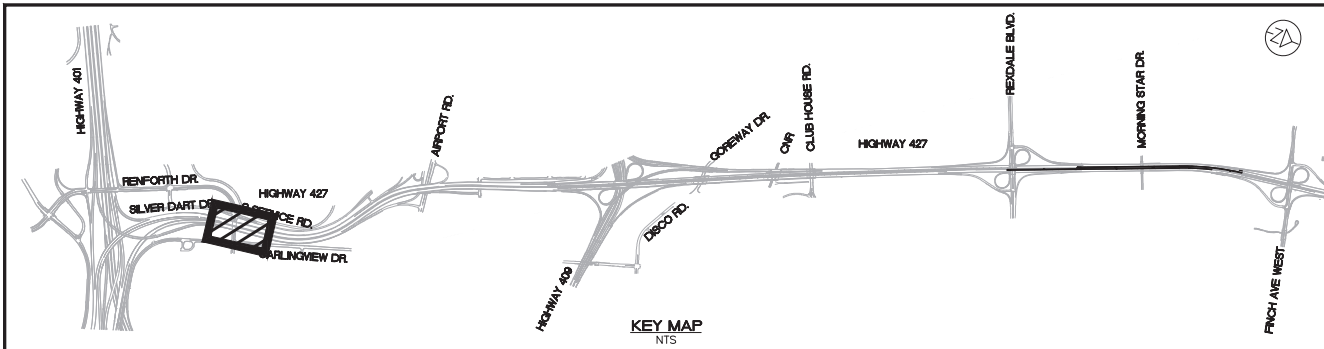


NO.	DATE	BY	CHK	LEAD	PROJ.
REVISIONS					
A 18/06/08 50% SUBMISSION TO CA					

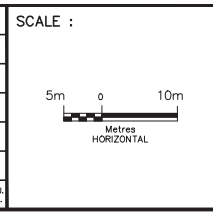
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 18+150 TO STA. 18+500							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1526	A



NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	

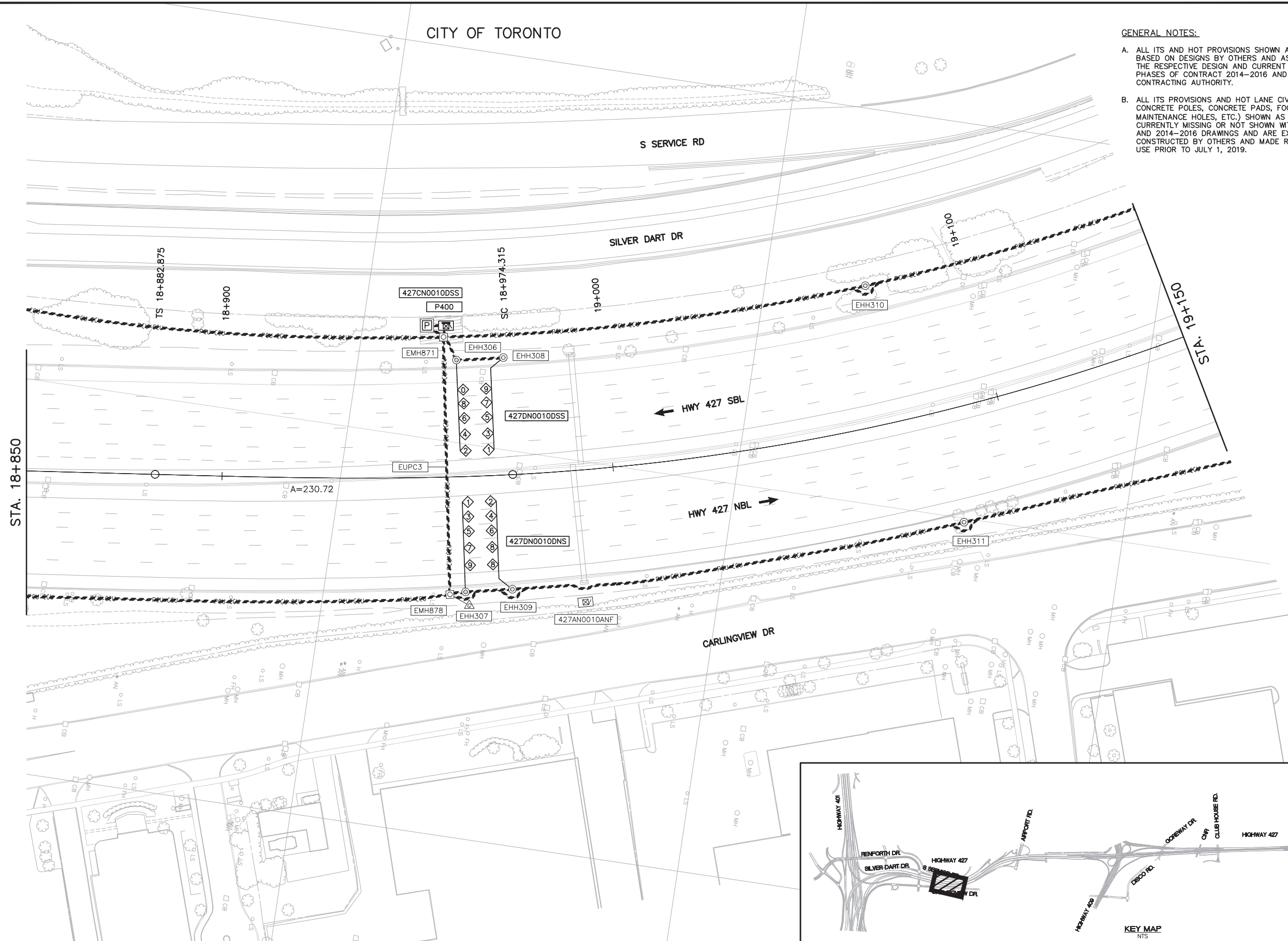
CONSULTANT	
NAME (PRINT)	
INT.	
DATE	



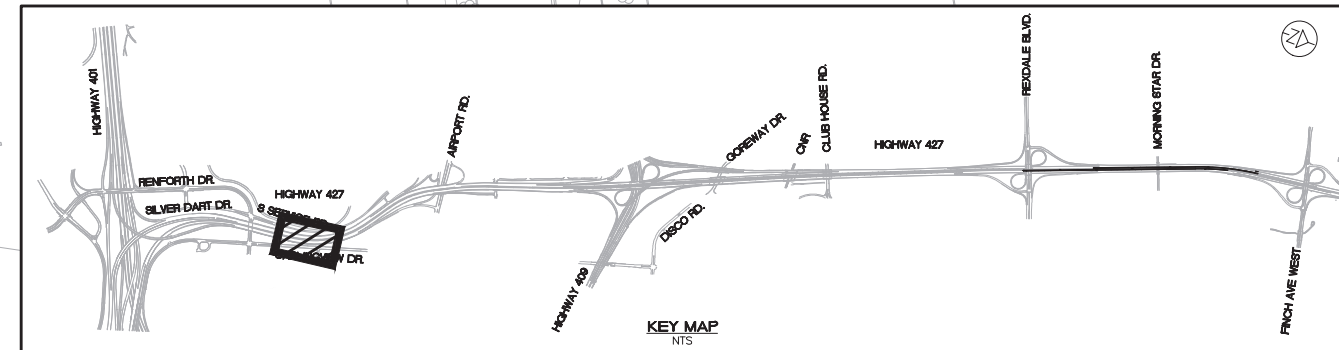
TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 18+500 TO STA. 18+850							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1527	A

GENERAL NOTES:

- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
- B. ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.

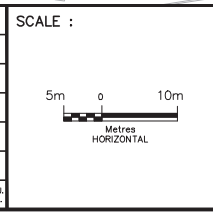


WIRING DIAGRAM WD-IV
COMMUNICATION SCHEMATIC CS-IV



KEY MAP
NTS

NO.	DATE	REVISIONS	BY	CHK	LEAD. ENG.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				

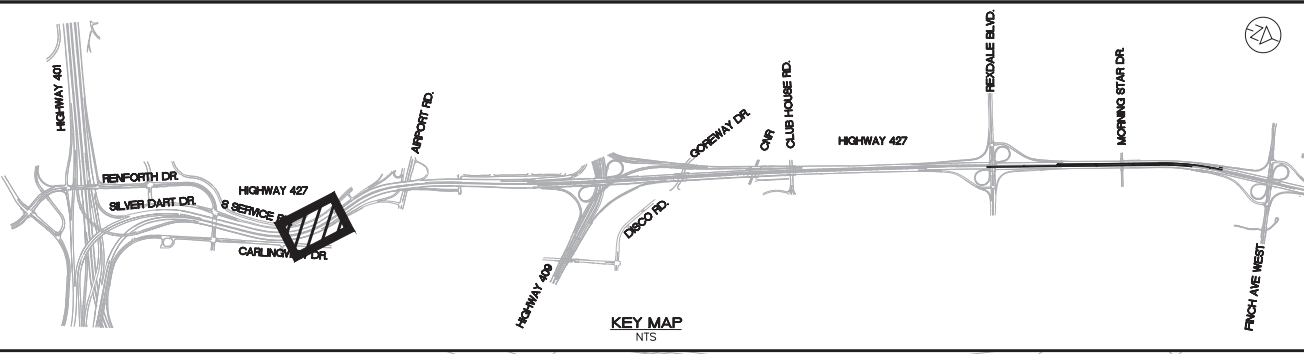


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	

CONSULTANT			
NAME (PRINT)		INT.	DATE

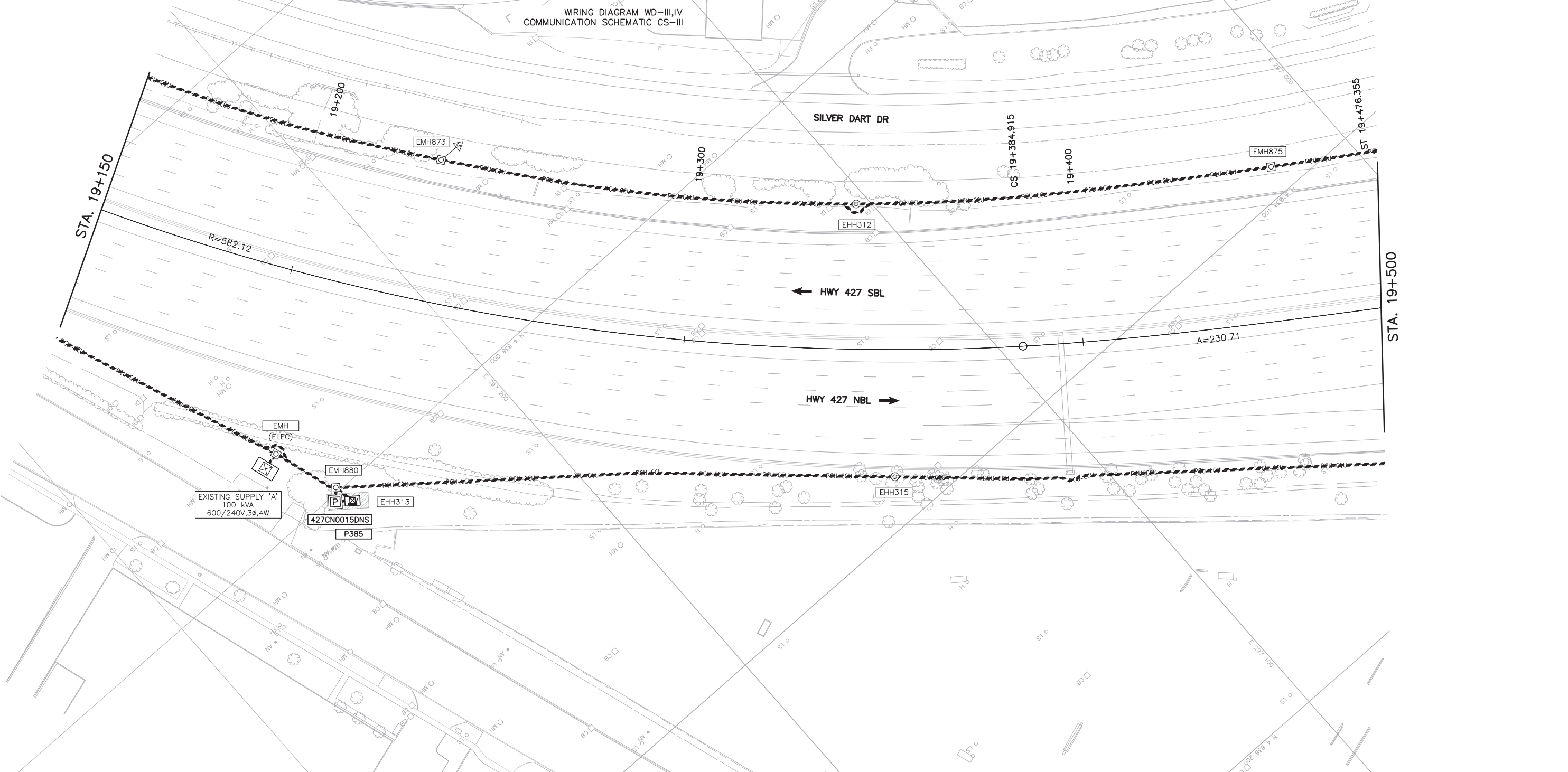


TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 18+850 TO STA. 19+150							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1528	A

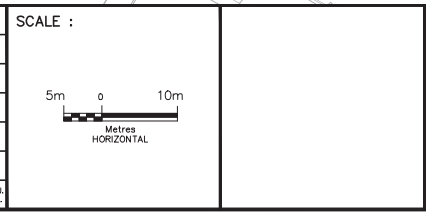


CITY OF TORONTO

GENERAL NOTES:
 A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.



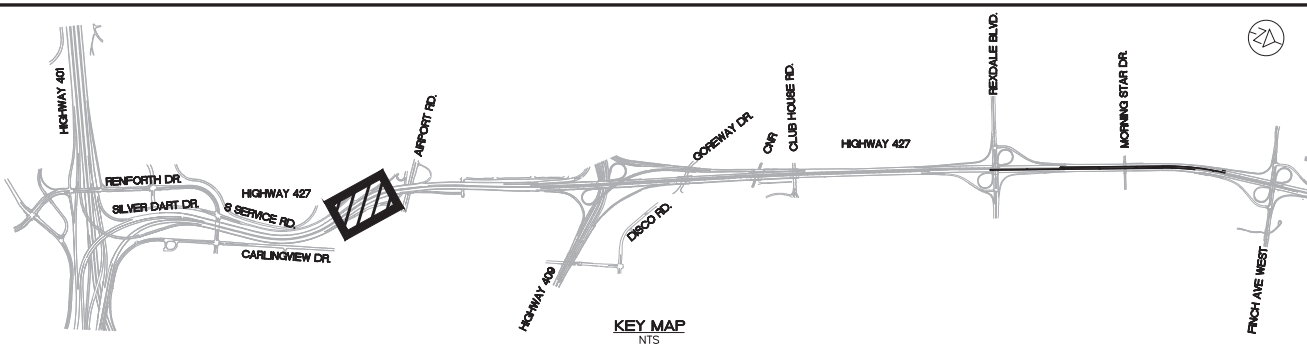
NO.	DATE	REVISIONS
A	18/06/08	50% SUBMISSION TO CA



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE



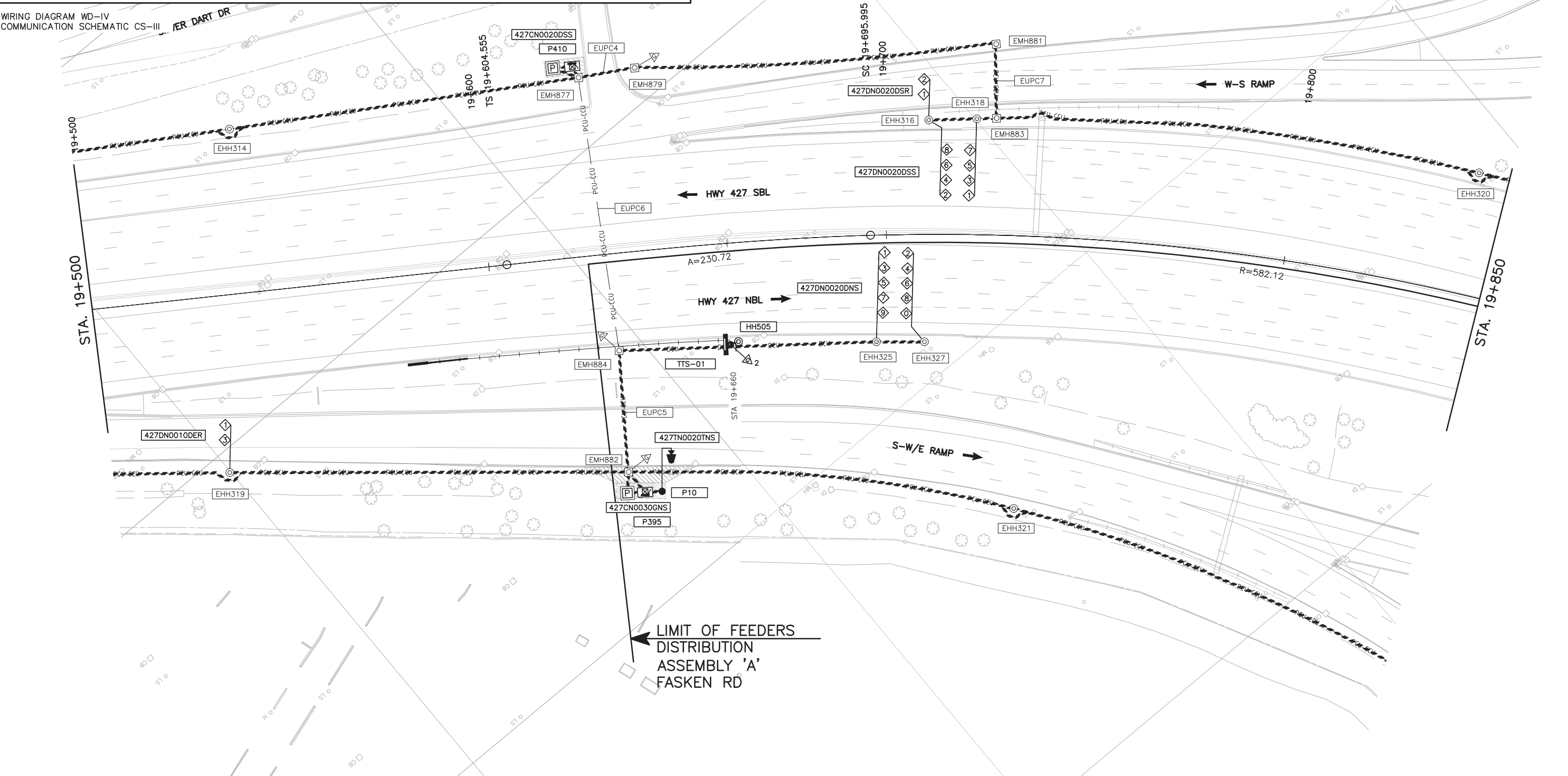
TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 19+150 TO STA. 19+500							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1529	A



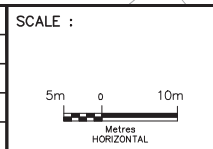
WIRING DIAGRAM WD-IV
COMMUNICATION SCHEMATIC CS-III

CITY OF TORONTO

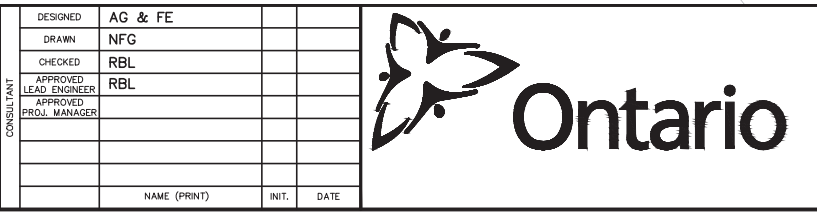
- GENERAL NOTES:
- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
 - B. ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.



NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 19+500 TO STA. 19+850							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1530	A

GENERAL NOTES:

A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

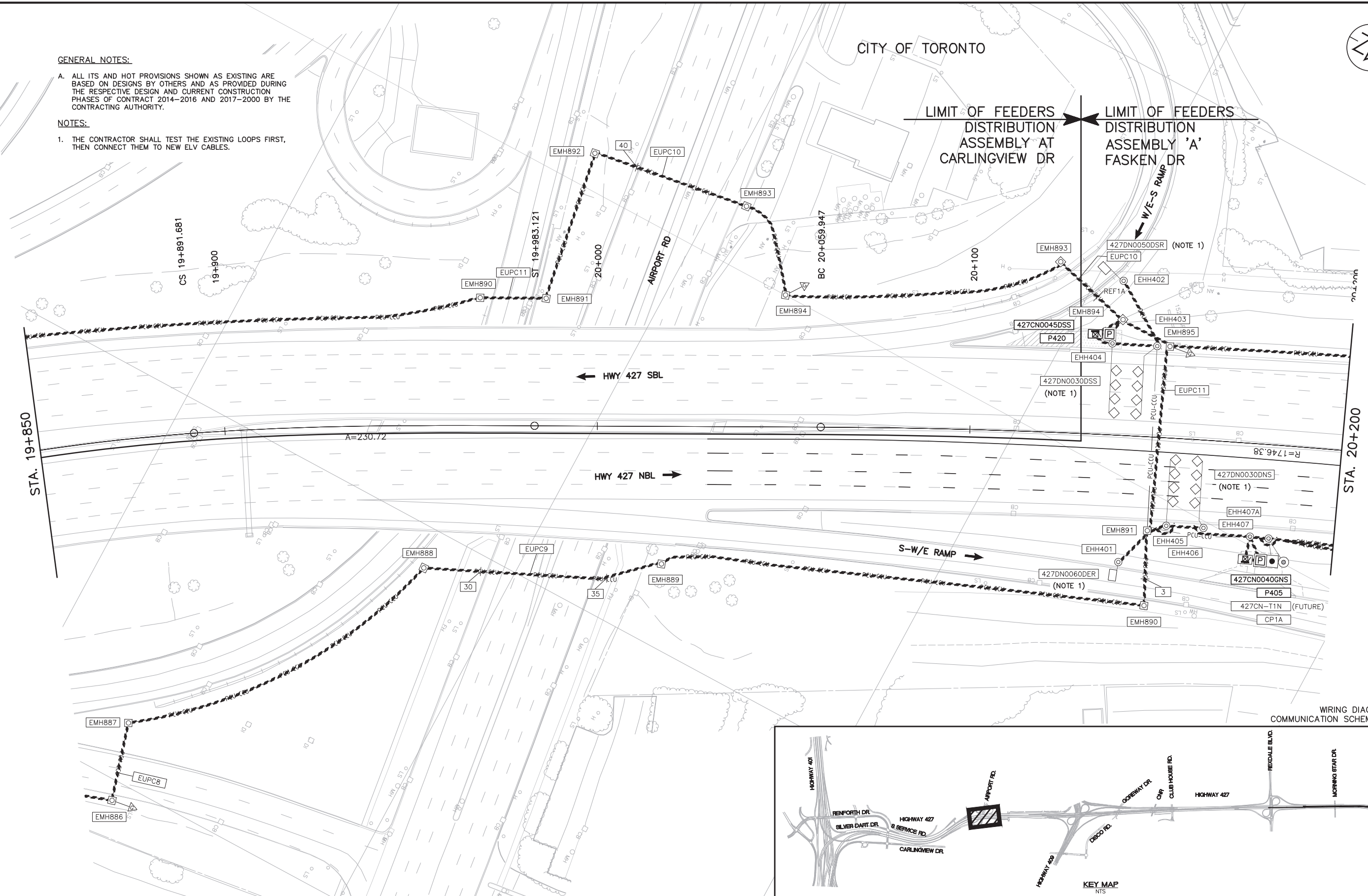
NOTES:

1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.

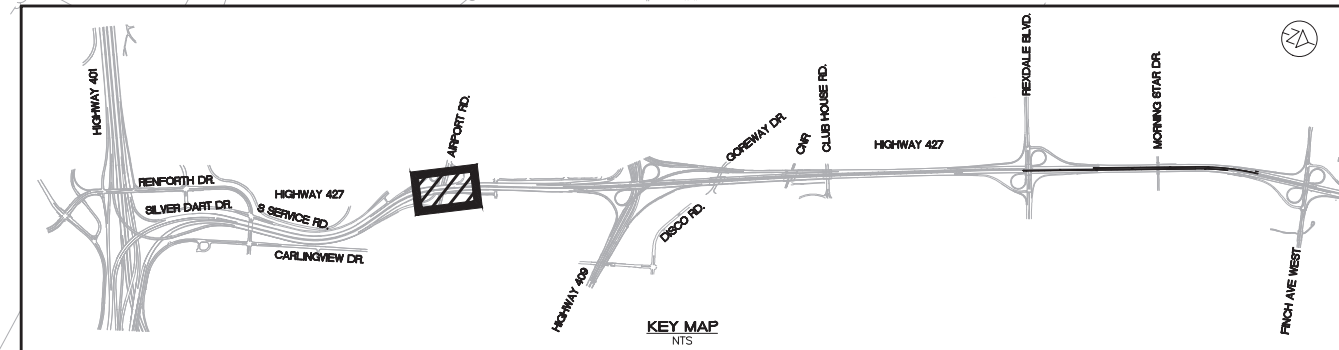
CITY OF TORONTO

LIMIT OF FEEDERS DISTRIBUTION ASSEMBLY AT CARLINGVIEW DR

LIMIT OF FEEDERS DISTRIBUTION ASSEMBLY 'A' FASKEN DR

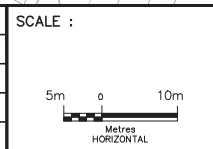


WIRING DIAGRAM WD-V
COMMUNICATION SCHEMATIC CS-III



KEY MAP
NTS

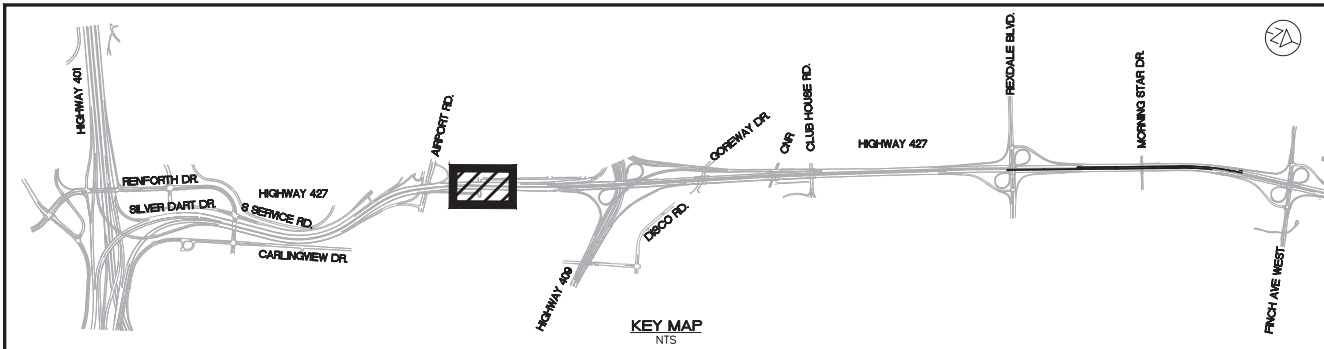
NO.	DATE	REVISIONS	BY	CHK	LEAD. DES.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INT.	DATE



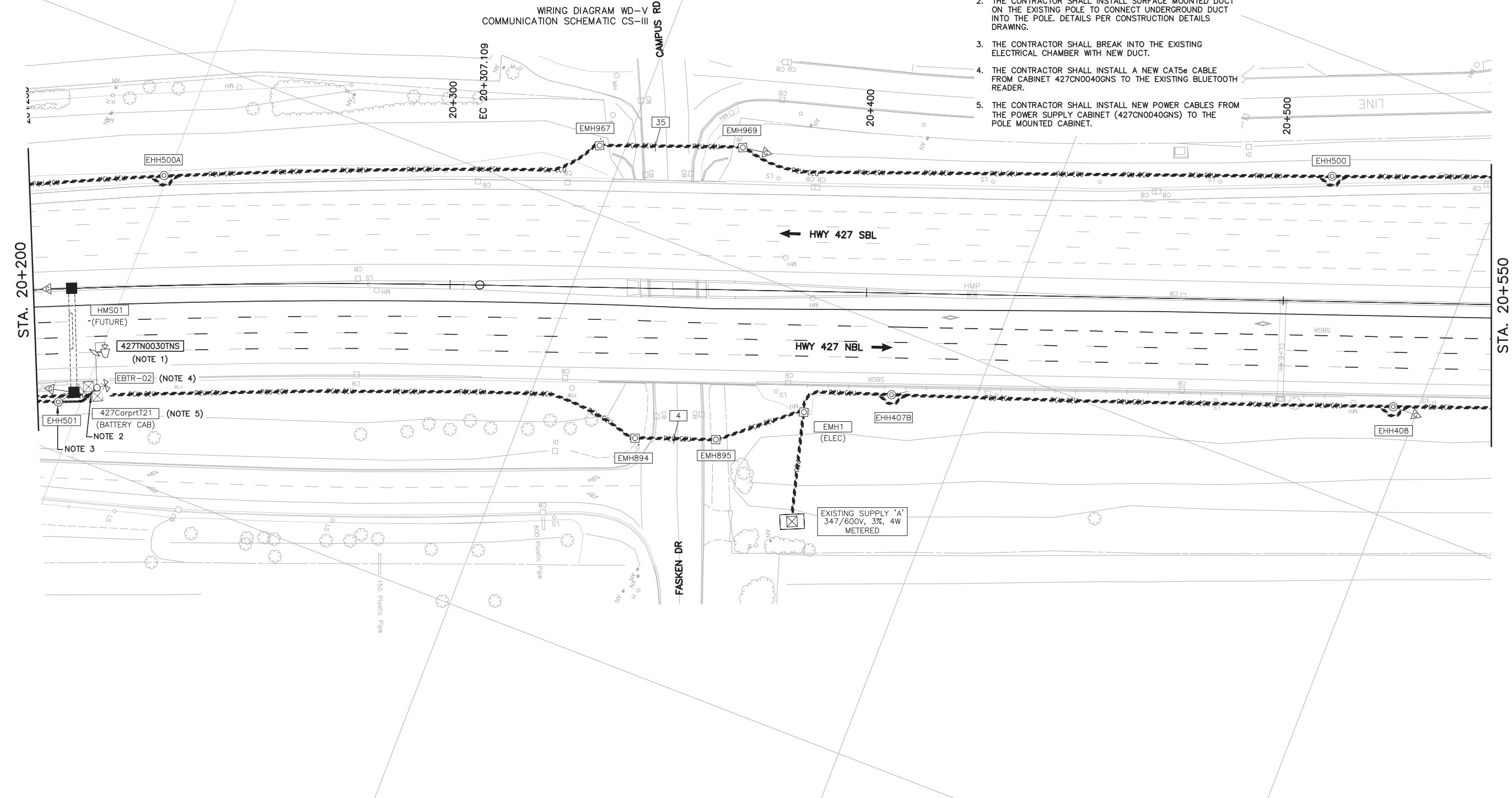
TITLE						
HWY 427 EXPANSION						
ITS-NEW CONSTRUCTION						
STA. 19+850 TO STA. 20+200						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	F	10	ITS	000	DWG	1531
						REVISION NUMBER
						A



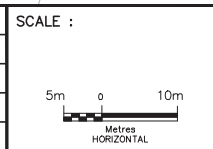
CITY OF TORONTO

- GENERAL NOTES:**
- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

- NOTES:**
1. THE CONTRACTOR SHALL INSTALL NEW CAMERA CONTROL CABLE TO THE EXISTING CAMERA AND CONNECT IT TO THE SYSTEM. THE EXISTING BATTERY CABINETS, POWER SOLAR, WIRELESS COMMUNICATION EQUIPMENT AND ASSOCIATED CABLES SHALL BE REMOVED, SALVAGED AND DELIVERED TO MTO.
 2. THE CONTRACTOR SHALL INSTALL SURFACE MOUNTED DUCT ON THE EXISTING POLE TO CONNECT UNDERGROUND DUCT INTO THE POLE. DETAILS PER CONSTRUCTION DETAILS DRAWING.
 3. THE CONTRACTOR SHALL BREAK INTO THE EXISTING ELECTRICAL CHAMBER WITH NEW DUCT.
 4. THE CONTRACTOR SHALL INSTALL A NEW CAT5e CABLE FROM CABINET 427CN0040GNS TO THE EXISTING BLUETOOTH READER.
 5. THE CONTRACTOR SHALL INSTALL NEW POWER CABLES FROM THE POWER SUPPLY CABINET (427CN0040GNS) TO THE POLE MOUNTED CABINET.



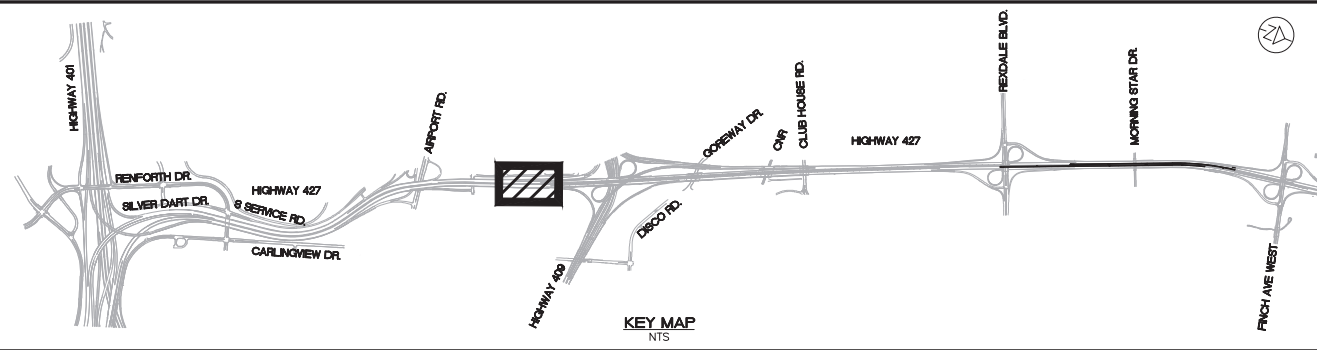
NO.	DATE	REVISIONS	BY	CHK	LEAD. DISC.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INT.	DATE



TITLE							
HWY 427 EXPANSION							
NEW CONSTRUCTION							
STA. 200+200 TO STA. 20+550							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1532	A



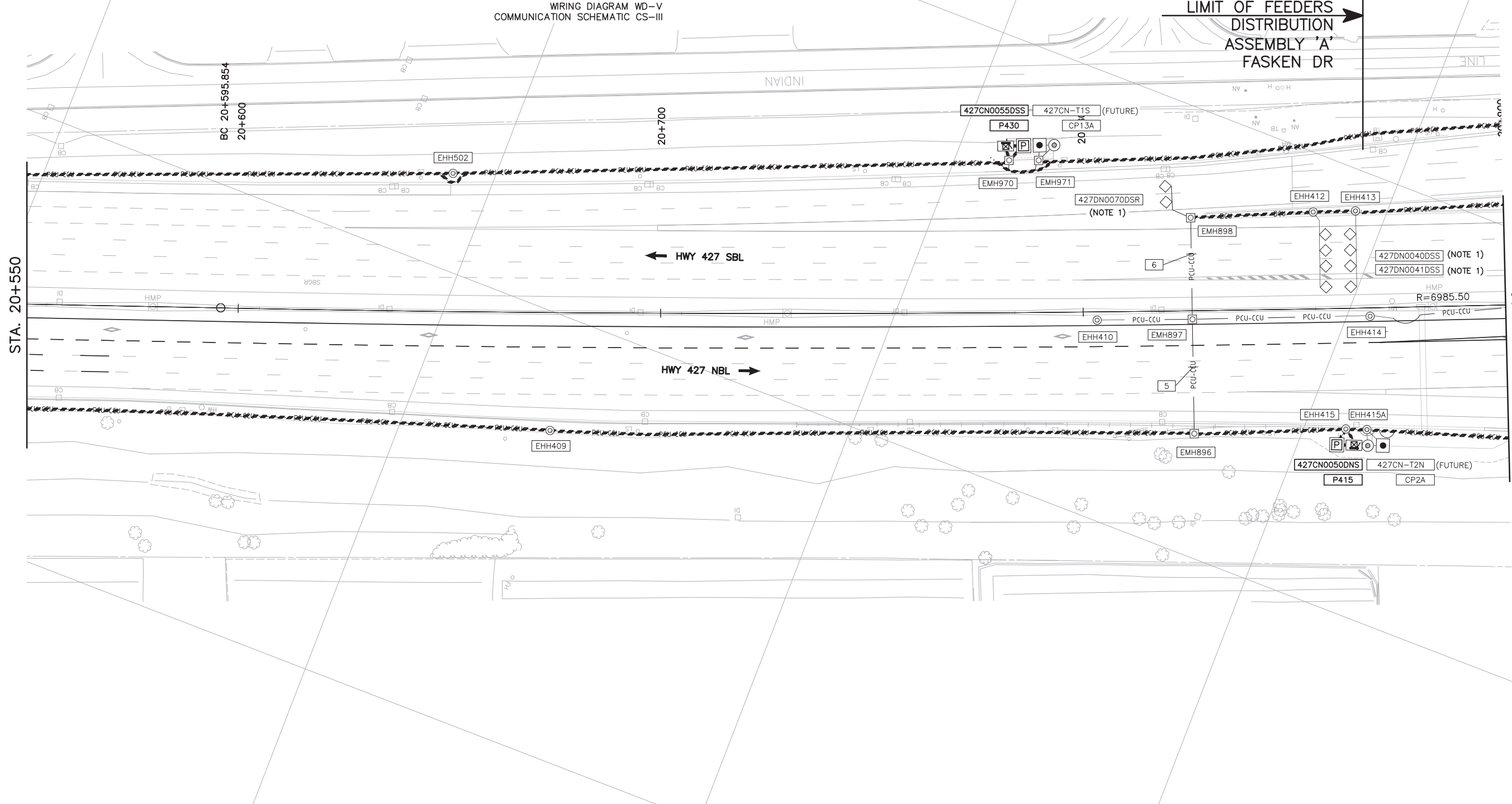
CITY OF TORONTO

GENERAL NOTES:

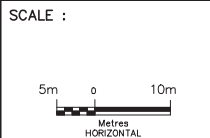
A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

NOTES:

1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.



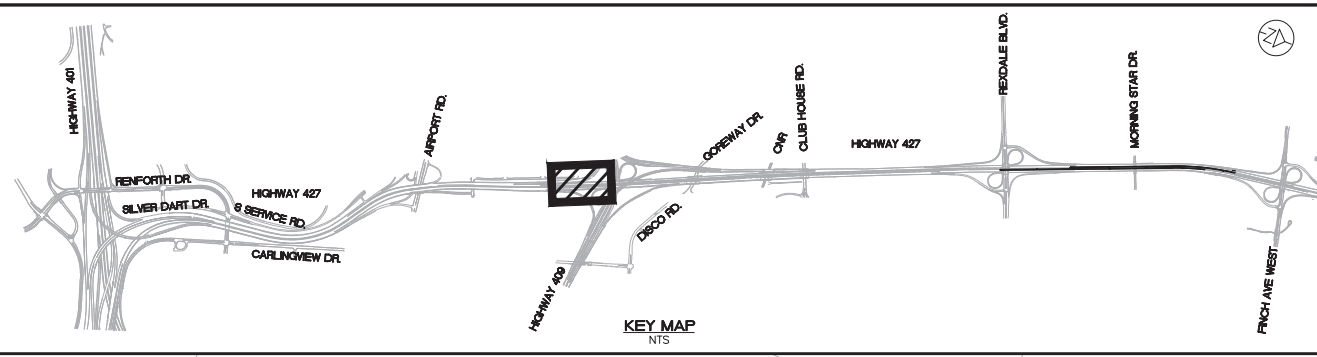
18/06/08		50% SUBMISSION TO CA		BY	CHK	LEAD.	PRJL.
NO.		DATE		REVISIONS			



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

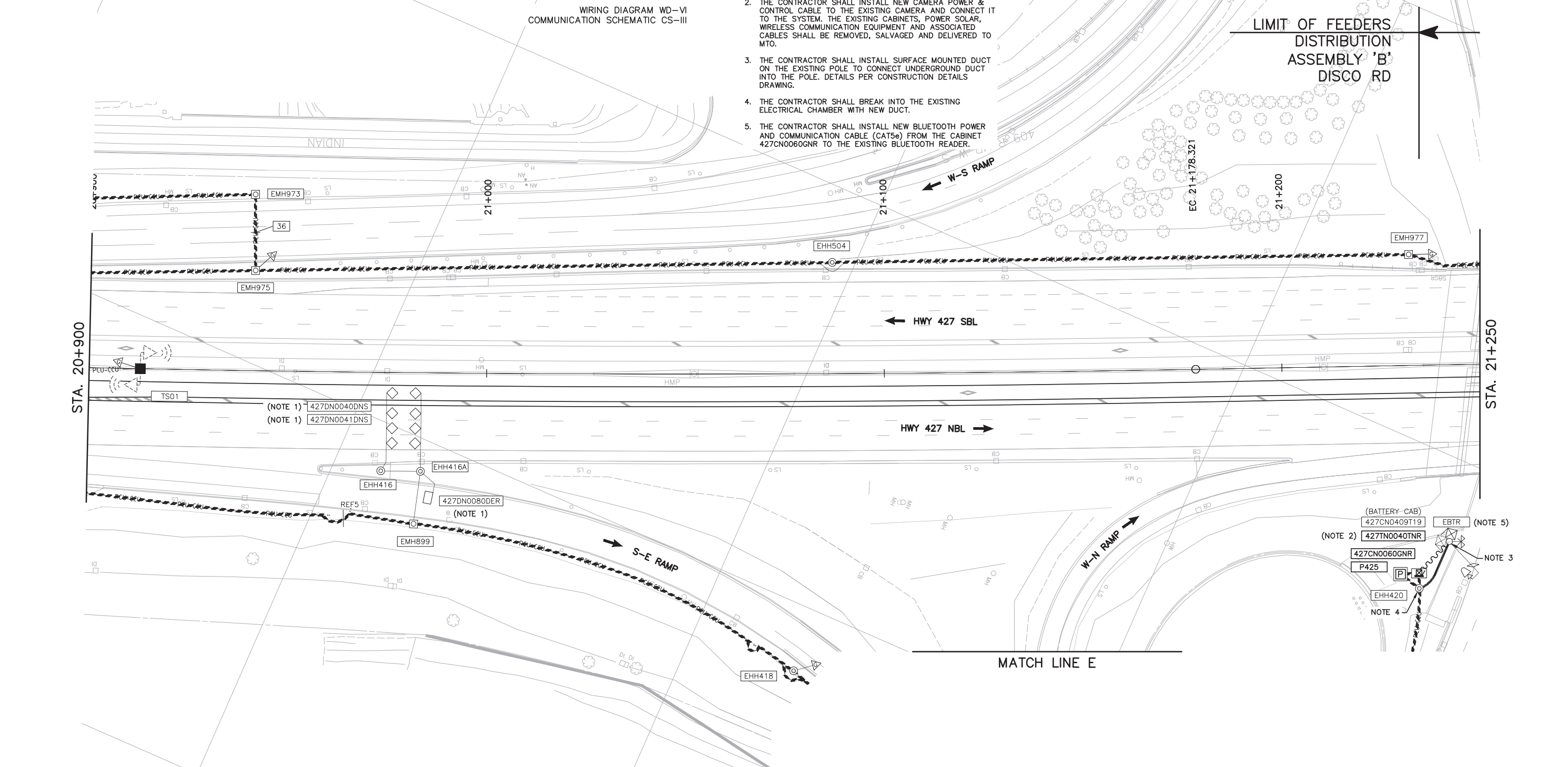


TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 12+550 TO STA. 12+900							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1533	A

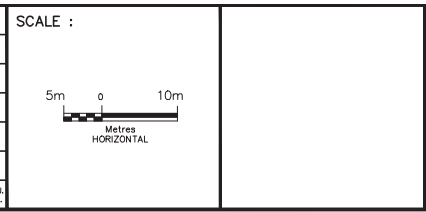


- GENERAL NOTES:**
- ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
 - ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.

- NOTES:**
- THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.
 - THE CONTRACTOR SHALL INSTALL NEW CAMERA POWER & CONTROL CABLE TO THE EXISTING CAMERA AND CONNECT IT TO THE SYSTEM. THE EXISTING CABINETS, POWER SOLAR, WIRELESS COMMUNICATION EQUIPMENT AND ASSOCIATED CABLES SHALL BE REMOVED, SALVAGED AND DELIVERED TO MTO.
 - THE CONTRACTOR SHALL INSTALL SURFACE MOUNTED DUCT ON THE EXISTING POLE TO CONNECT UNDERGROUND DUCT INTO THE POLE. DETAILS PER CONSTRUCTION DETAILS DRAWING.
 - THE CONTRACTOR SHALL BREAK INTO THE EXISTING ELECTRICAL CHAMBER WITH NEW DUCT.
 - THE CONTRACTOR SHALL INSTALL NEW BLUETOOTH POWER AND COMMUNICATION CABLE (CAT5e) FROM THE CABINET 427CN0060GNR TO THE EXISTING BLUETOOTH READER.



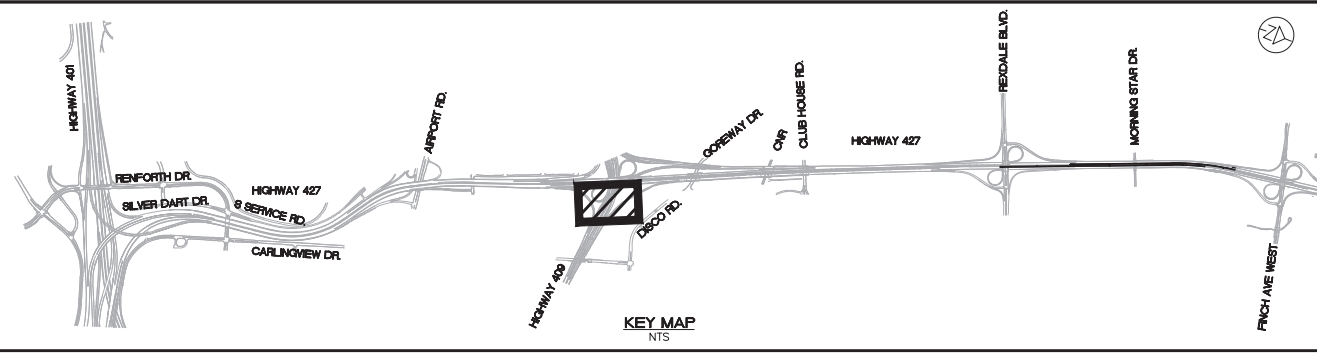
NO.	DATE	REVISIONS	BY	CHK	LEAD. DESIG.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	INT. DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 20+900 TO STA. 21+250							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1534	A



GENERAL NOTES:

A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

NOTES:

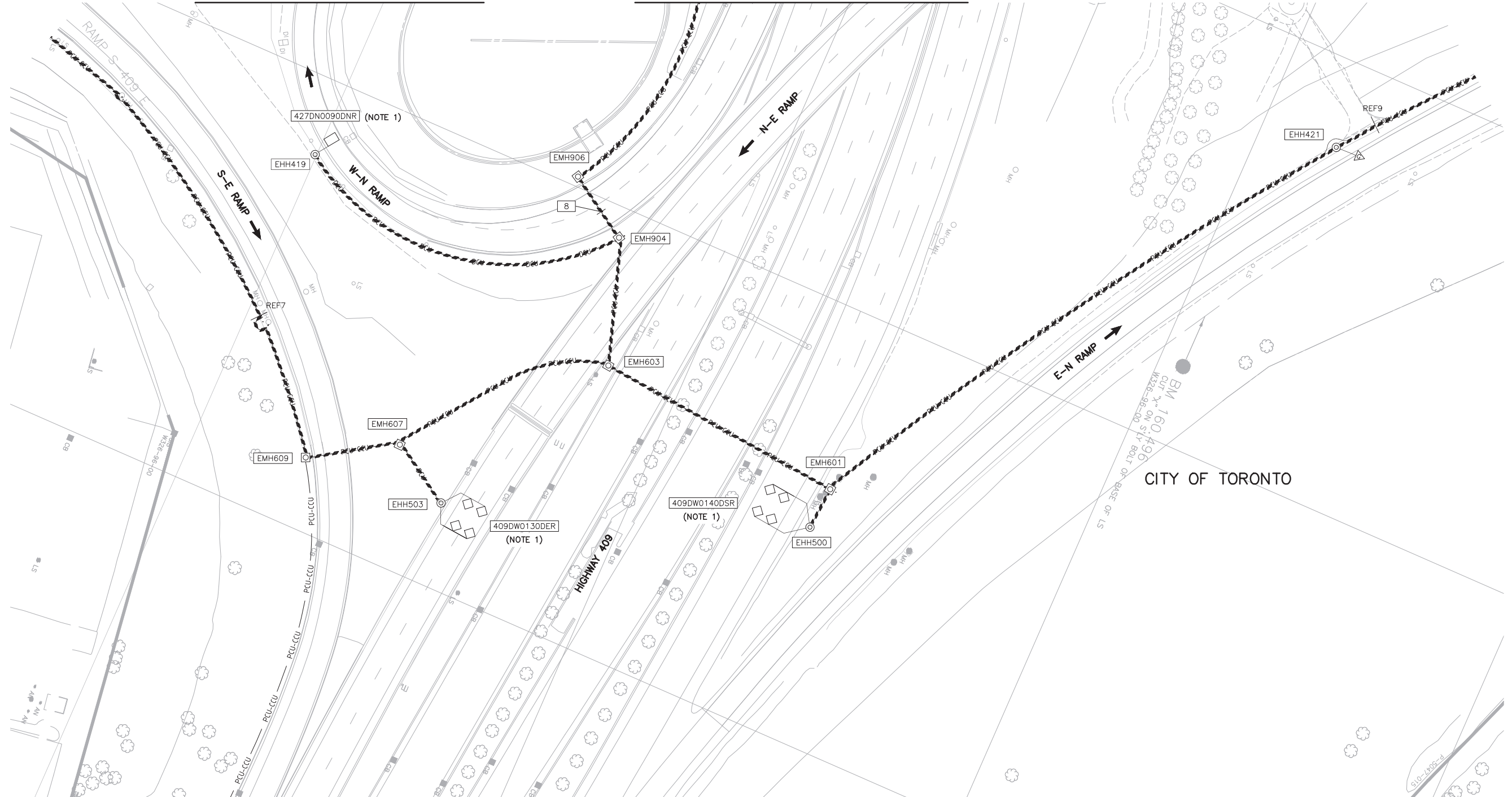
1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.



MATCH LINE E1

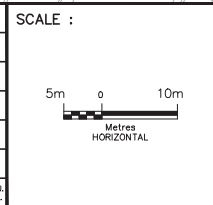
WIRING DIAGRAM WD-VI

MATCH LINE E2



CITY OF TORONTO
 BM 160 496
 CUT 1/2" ON S. LY BOLT ON BASE OF LS
 W32x96-96-00

NO.	DATE	REVISIONS	BY	CHK	LEAD. ENG.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				

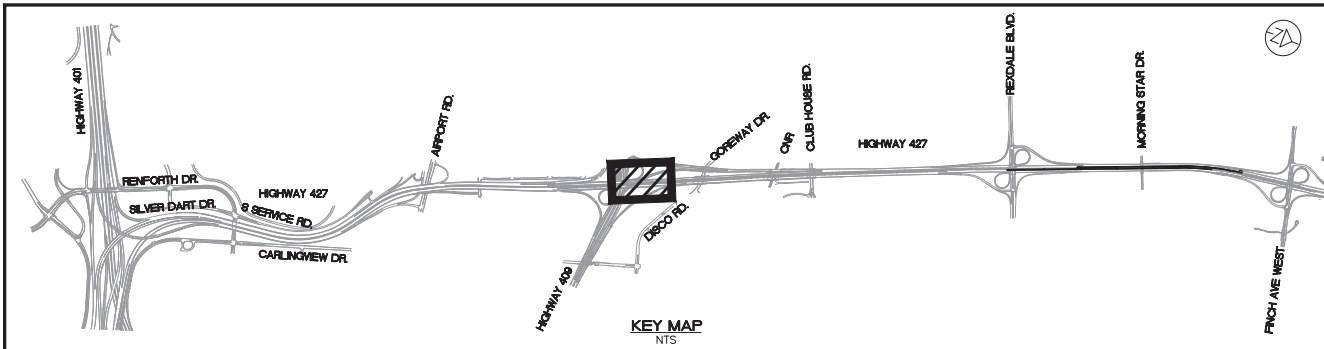


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

CONSULTANT	
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

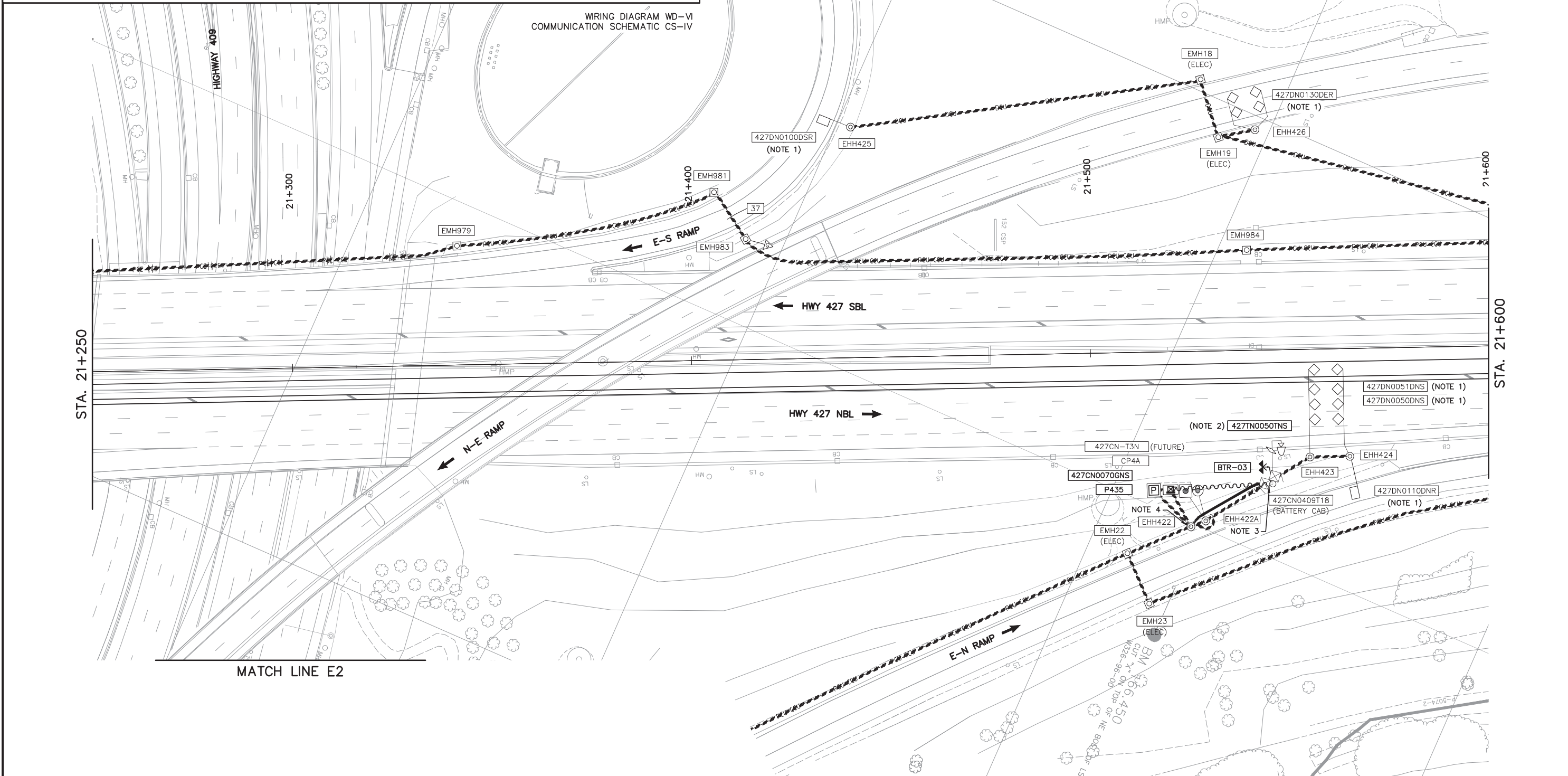
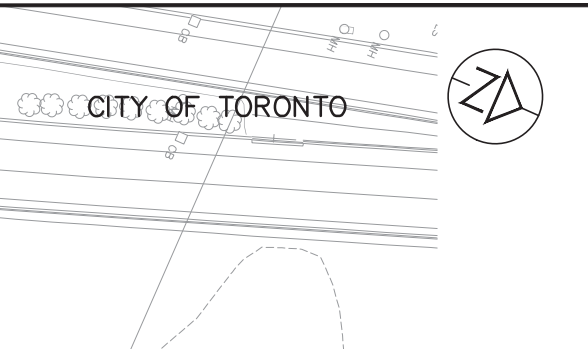


TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. XX+XXX TO STA. XX+XXX							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1535	A

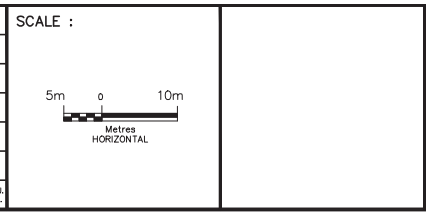


- GENERAL NOTES:**
- ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2020 BY THE CONTRACTING AUTHORITY.
 - ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2020 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.

- NOTES:**
- THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.
 - THE CONTRACTOR SHALL INSTALL NEW CAMERA POWER & CONTROL CABLE TO THE EXISTING CAMERA AND CONNECT IT TO THE SYSTEM. THE EXISTING CABINETS, POWER SOLAR, WIRELESS COMMUNICATION EQUIPMENT AND ASSOCIATED CABLES SHALL BE REMOVED, SALVAGED AND DELIVERED TO MTO.
 - THE CONTRACTOR SHALL INSTALL SURFACE MOUNTED DUCT ON THE EXISTING POLE TO CONNECT UNDERGROUND DUCT INTO THE POLE. DETAILS PER CONSTRUCTION DETAILS DRAWING.
 - THE CONTRACTOR SHALL BREAK INTO THE EXISTING ELECTRICAL CHAMBER WITH NEW DUCT.



NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	18/06/08	50% SUBMISSION TO CA				

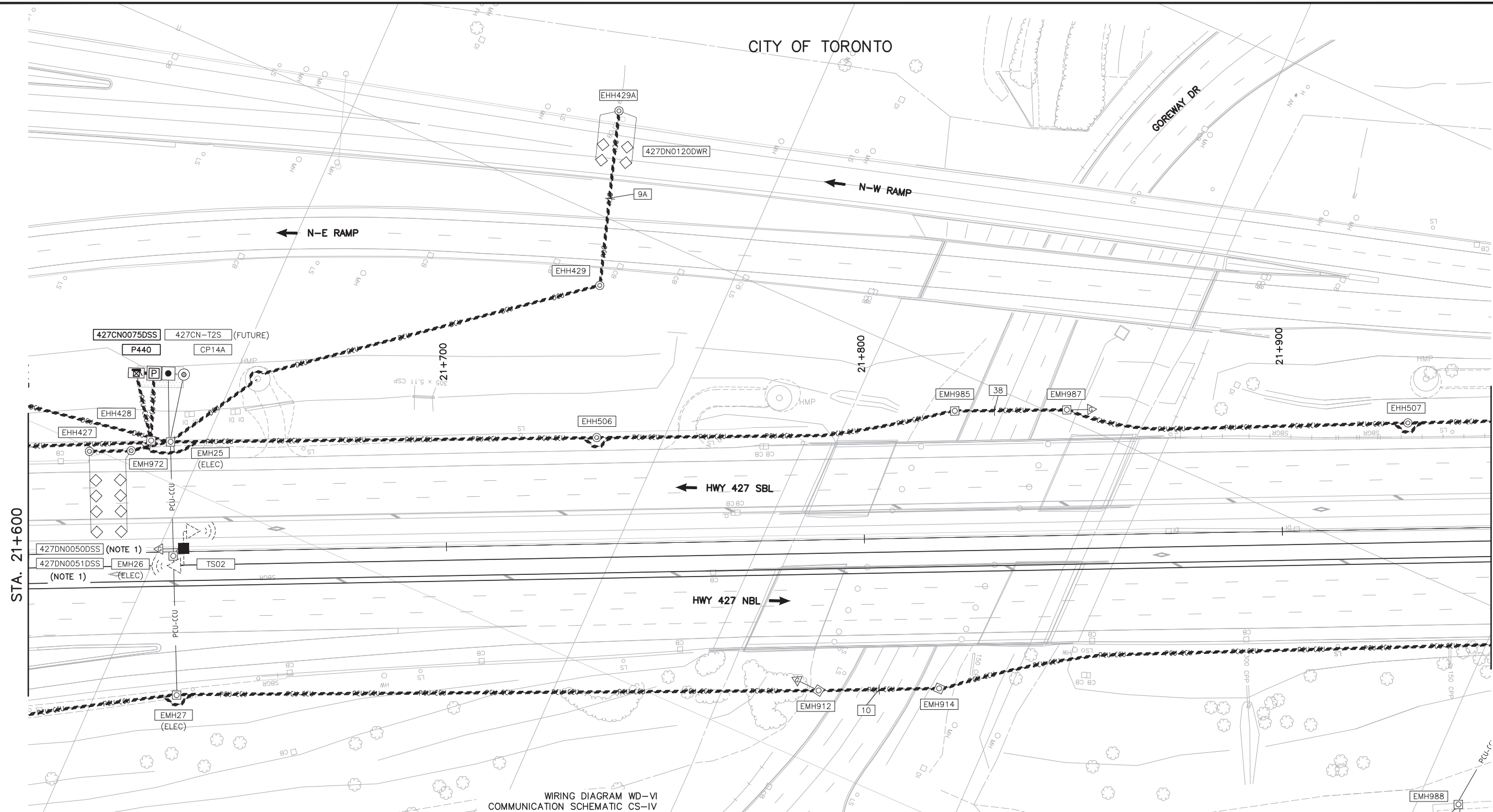


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

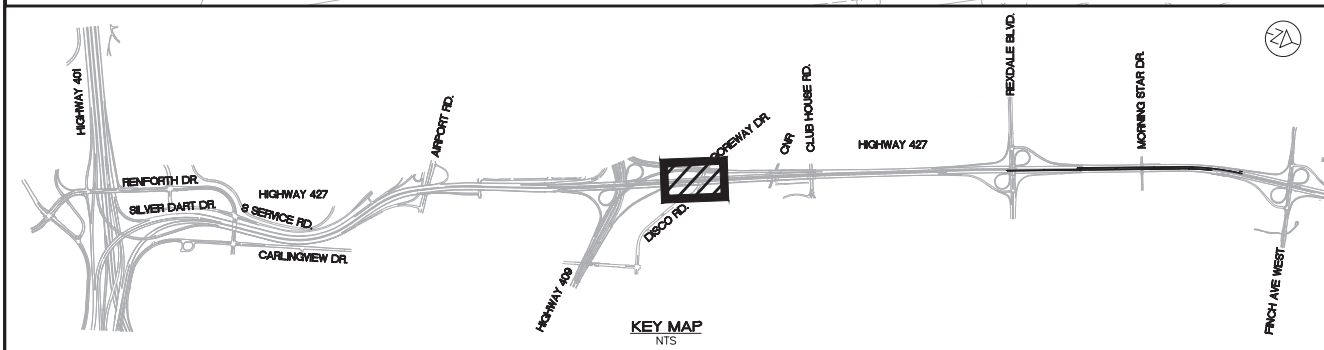


TITLE						
HWY 427 EXPANSION						
ITS-NEW CONSTRUCTION						
STA. 21+250 TO STA. 21+600						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	F	10	ITS	000	DWG	1536
						A

CITY OF TORONTO



WIRING DIAGRAM WD-VI
COMMUNICATION SCHEMATIC CS-IV



KEY MAP
NTS

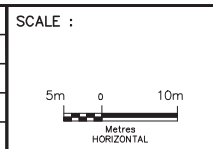
GENERAL NOTES:

A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

NOTES:

1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.

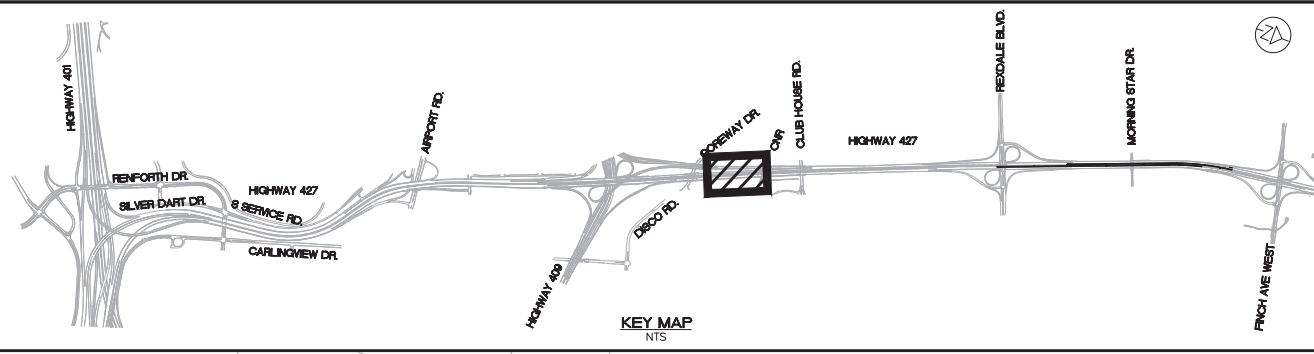
NO.	DATE	REVISIONS	BY	CHK	LEAD. ENG.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
CONSULTANT			
	NAME (PRINT)	INT.	DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 21+600 TO STA. 21+950							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1537	A



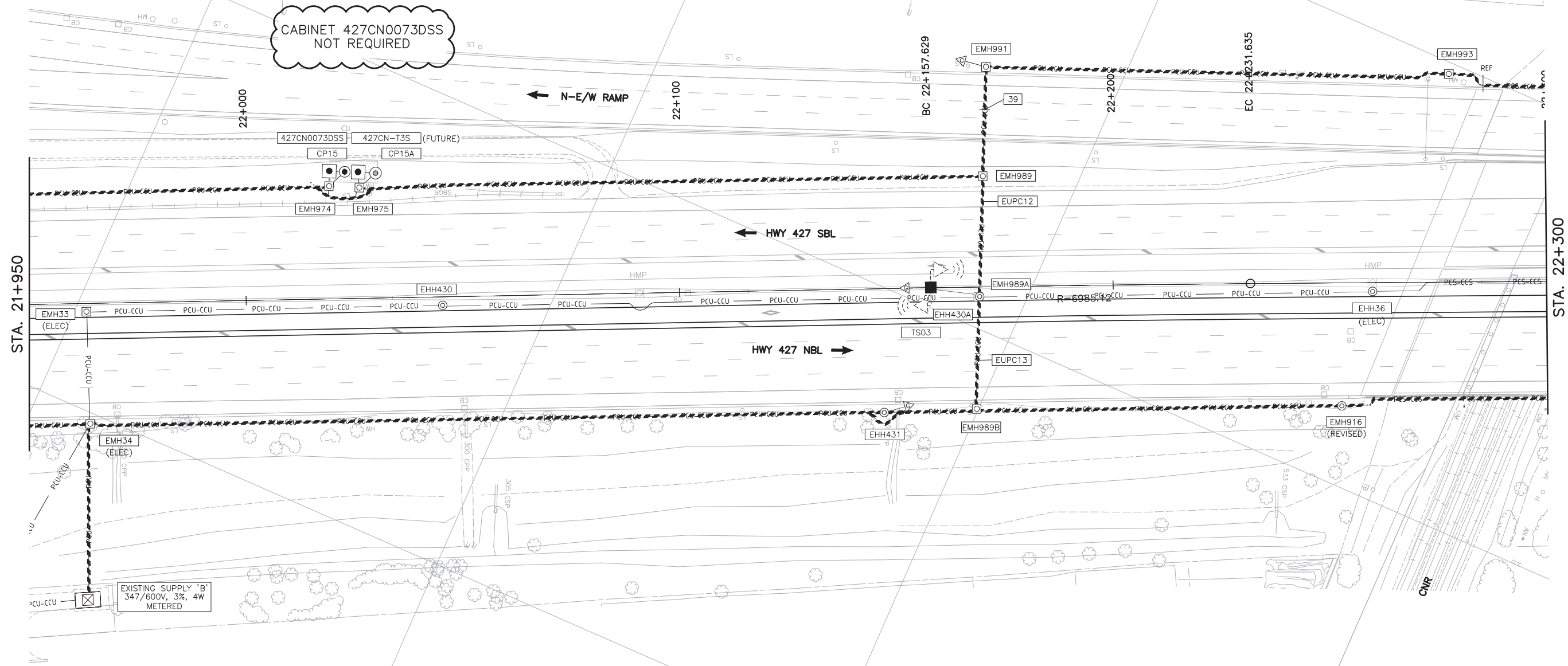
CITY OF TORONTO

GENERAL NOTES:

A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.



WIRING DIAGRAM WD-VII

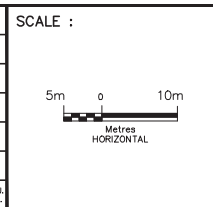


CABINET 427CN0073DSS NOT REQUIRED

STA. 21+950

STA. 22+300

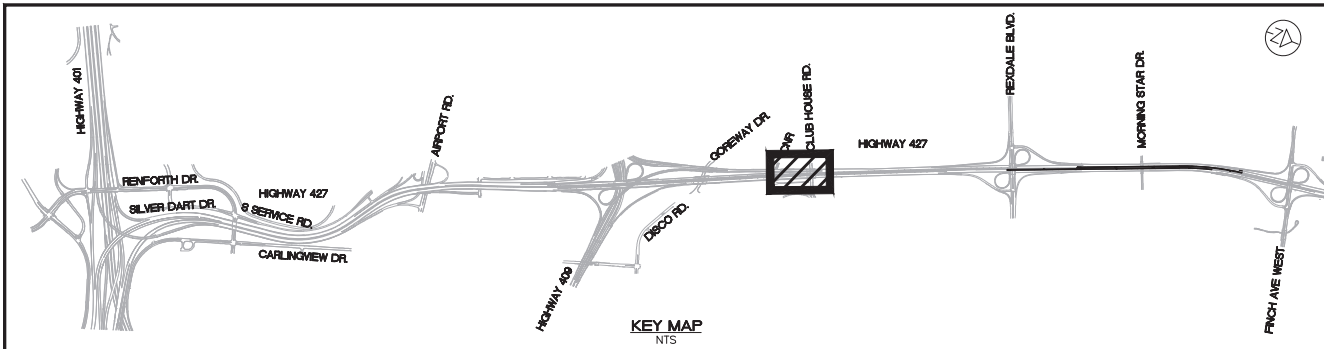
NO.	DATE	REVISIONS	BY	CHK	LEAD. DES.	PROJ. MAN.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INT.	DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 21+950 TO STA. 22+300							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1538	A



CITY OF TORONTO

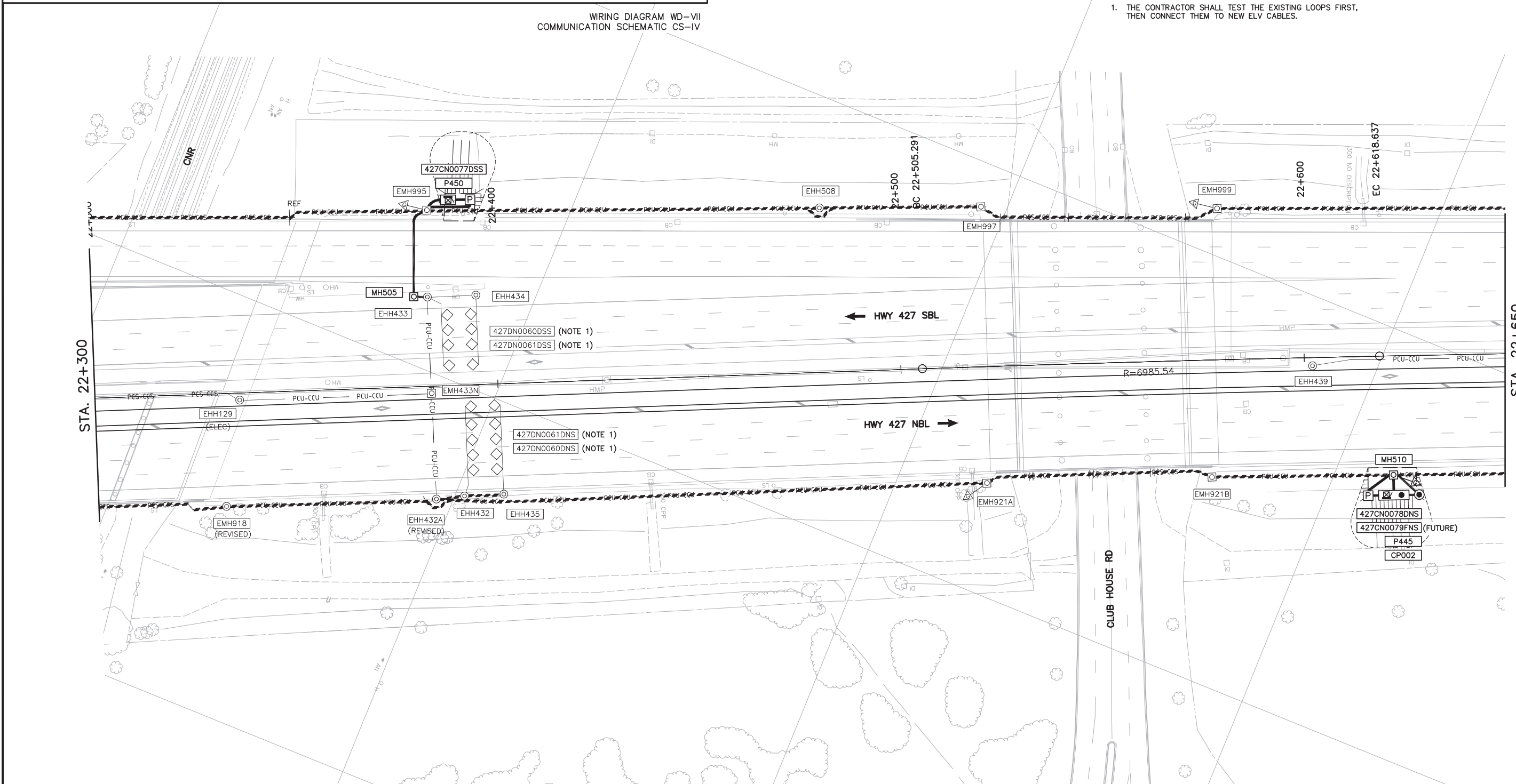
GENERAL NOTES:

- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
- B. ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.

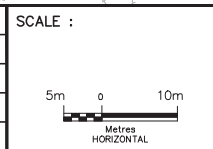
NOTES:

- 1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.

WIRING DIAGRAM WD-VII
COMMUNICATION SCHEMATIC CS-IV



NO.	DATE	REVISIONS	BY	CHK	LEAD. PISC.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				

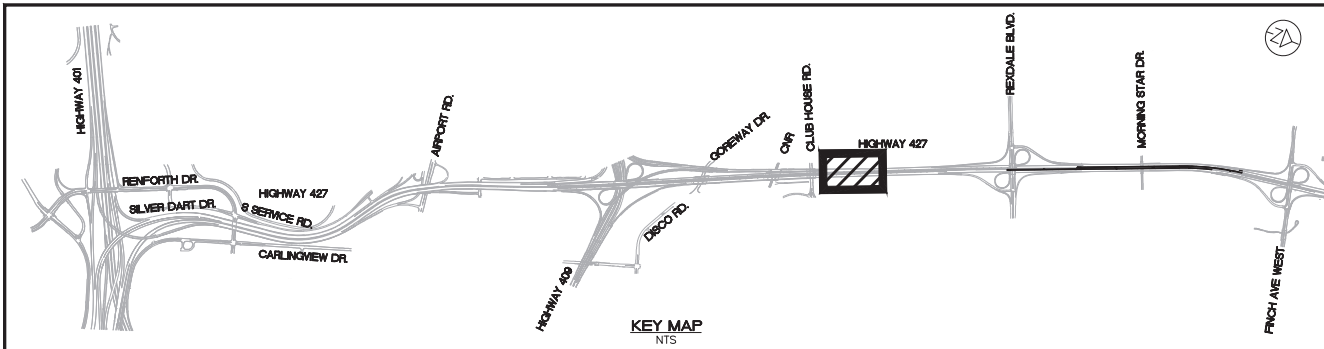


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE

CONSULTANT	
DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INIT. DATE



TITLE							
HWY 427 EXPANSION							
NEW CONSTRUCTION							
STA. 22+300 TO STA. 22+650							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	0	DWG	1539	A

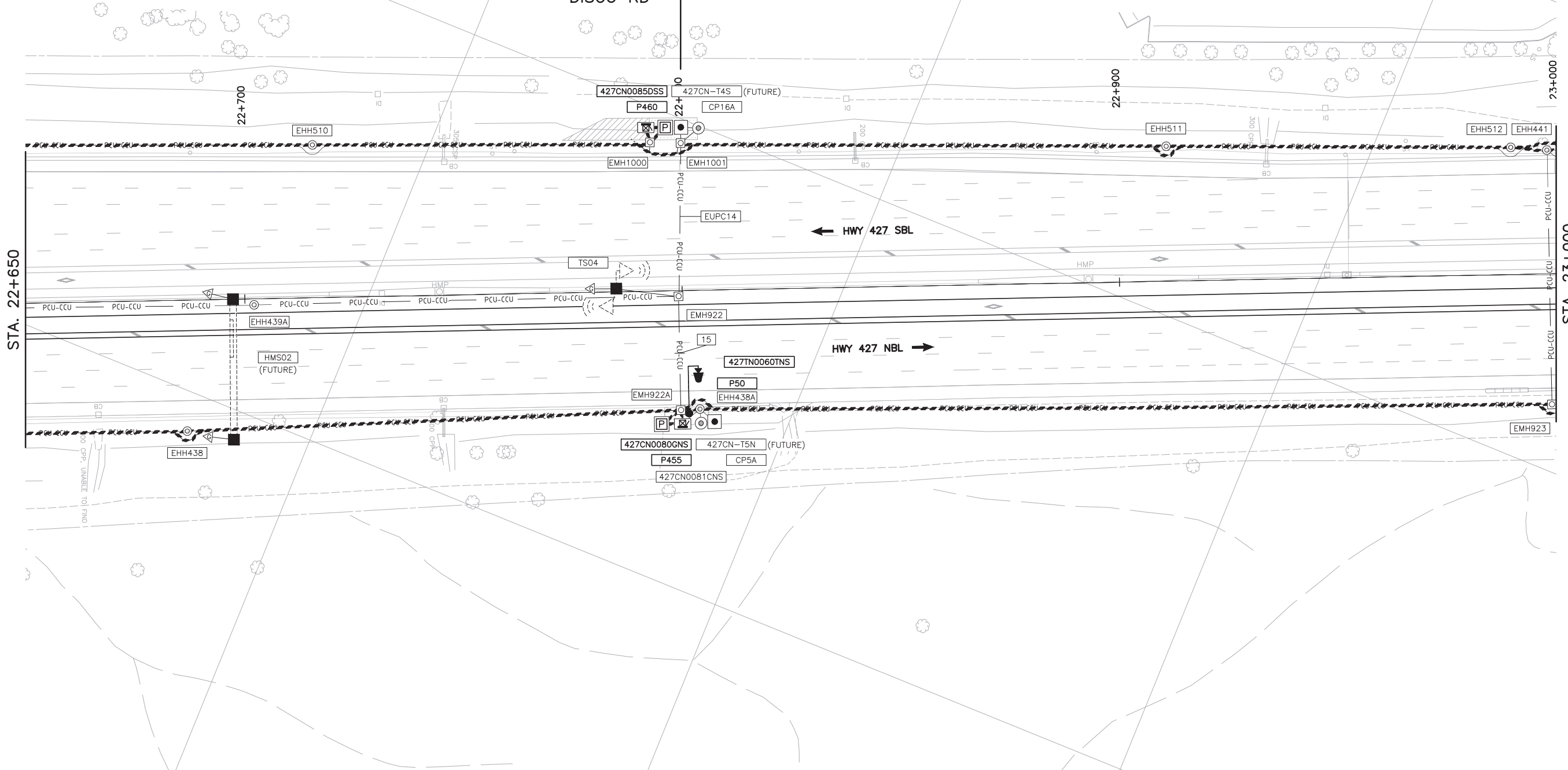


CITY OF TORONTO

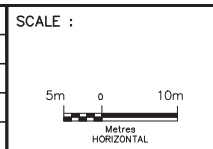
- GENERAL NOTES:**
- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
 - B. ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.

WIRING DIAGRAM WD-VII
COMMUNICATION SCHEMATIC CS-IV

LIMIT OF FEEDERS
DISTRIBUTION
ASSEMBLY 'B'
DISCO RD



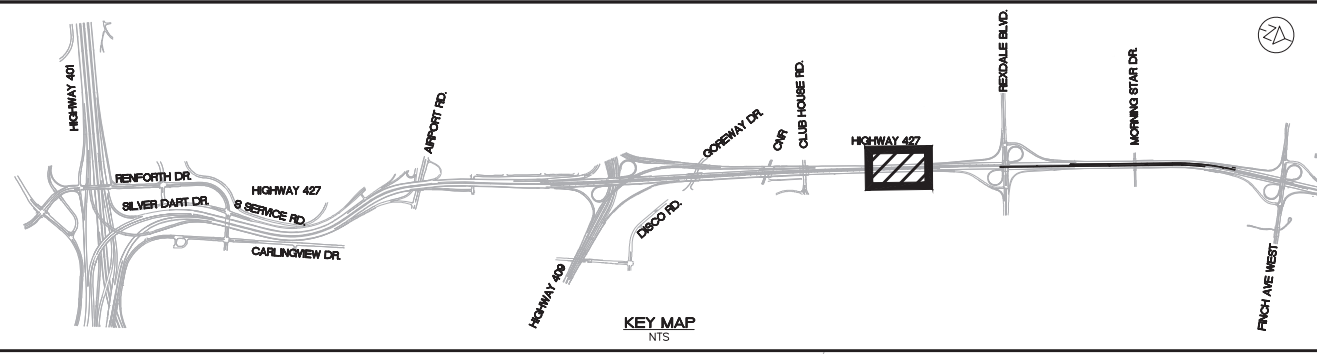
NO.	DATE	REVISIONS	BY	CHK	LEAD. DISC.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INT.	DATE



TITLE							
HWY 427 EXPANSION							
NEW CONSTRUCTION							
STA. 22+650 TO STA. 23+000							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	0	DWG	1540	A



GENERAL NOTES:

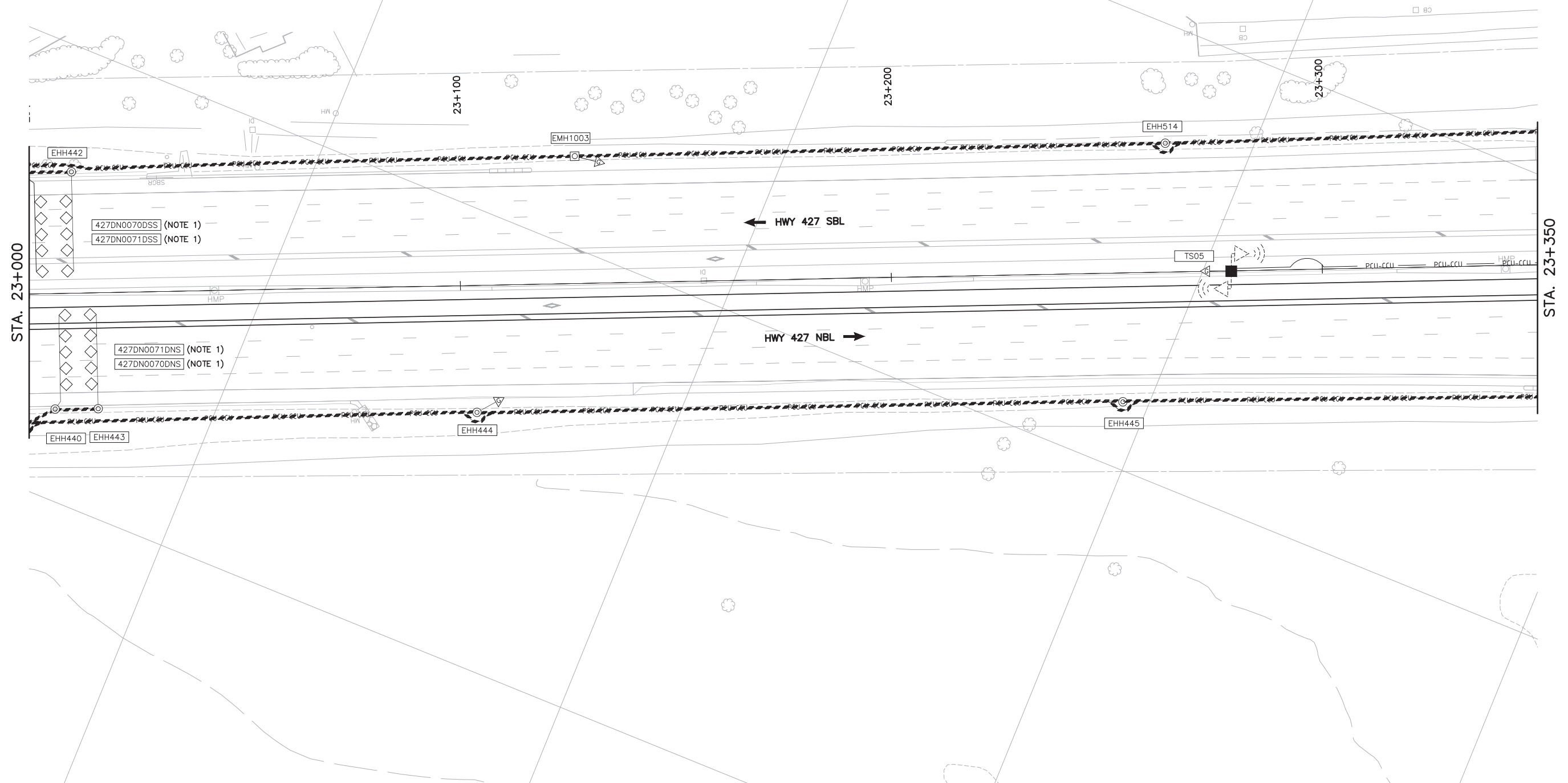
A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

NOTES:

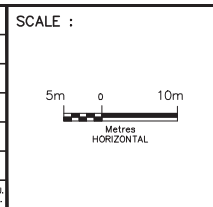
1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.

CITY OF TORONTO

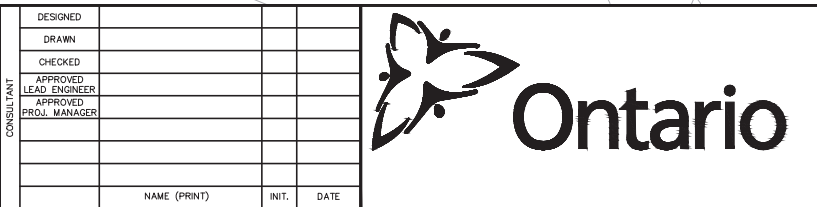
WIRING DIAGRAM WD-VIII



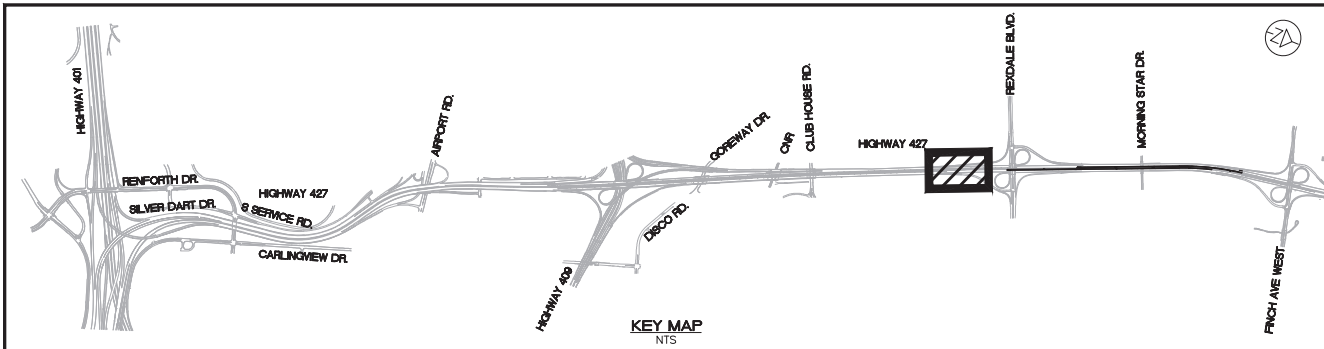
NO.	DATE	REVISIONS	BY	CHK	LEAD. DISC.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	
DRAWN	
CHECKED	
APPROVED LEAD ENGINEER	
APPROVED PROJ. MANAGER	
NAME (PRINT)	
INT.	
DATE	



TITLE							
HWY 427 EXPANSION							
NEW CONSTRUCTION							
STA. 23+000 TO STA. 23+350							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	0	DWG	1541	A



CITY OF TORONTO

← LIMIT OF FEEDERS
DISTRIBUTION
ASSEMBLY 'C'
REXDALE BLVD

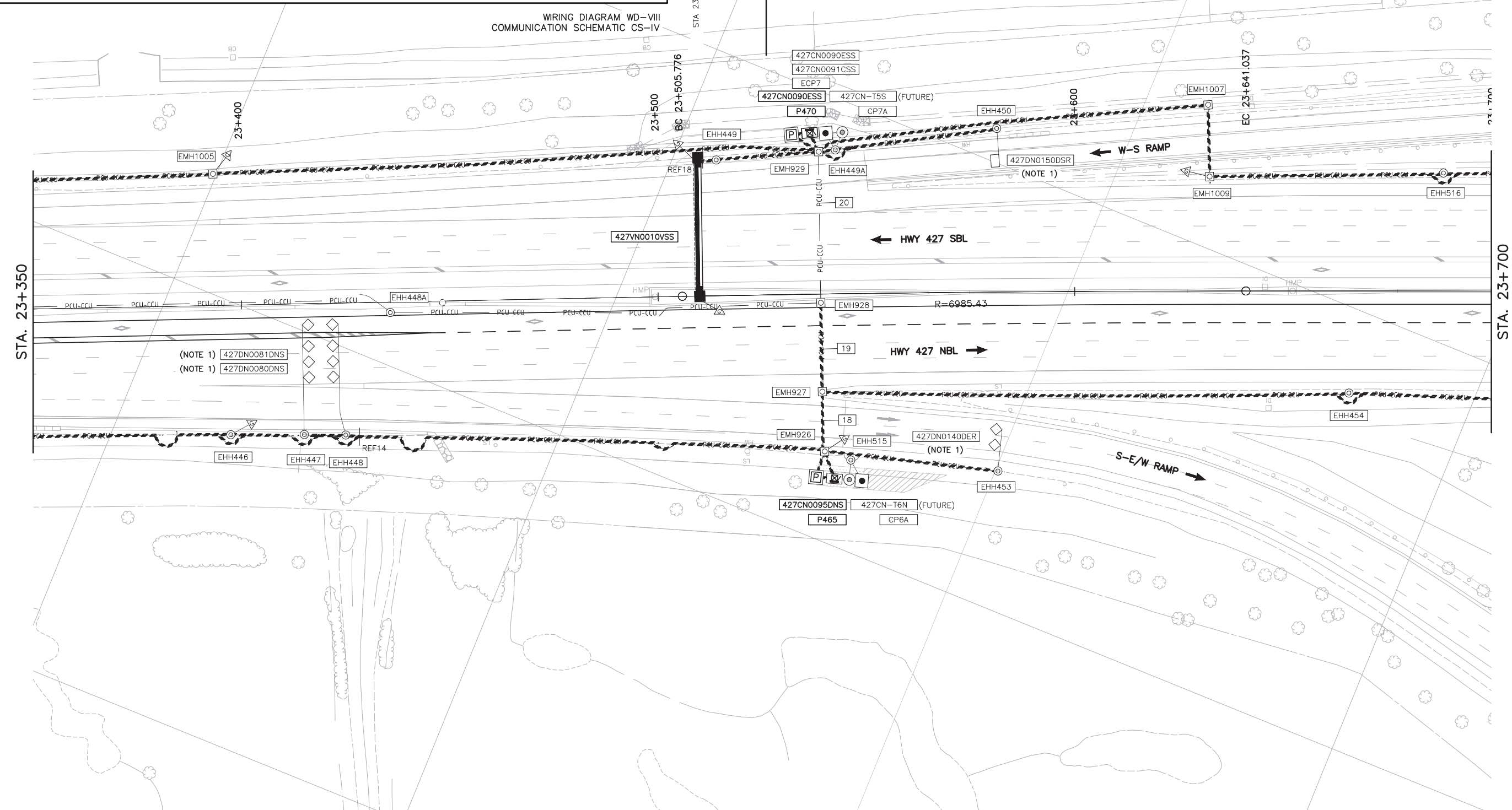
GENERAL NOTES:

A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

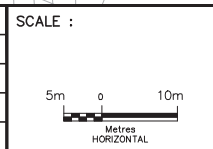
NOTES:

1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.

WIRING DIAGRAM WD-VIII
COMMUNICATION SCHEMATIC CS-IV



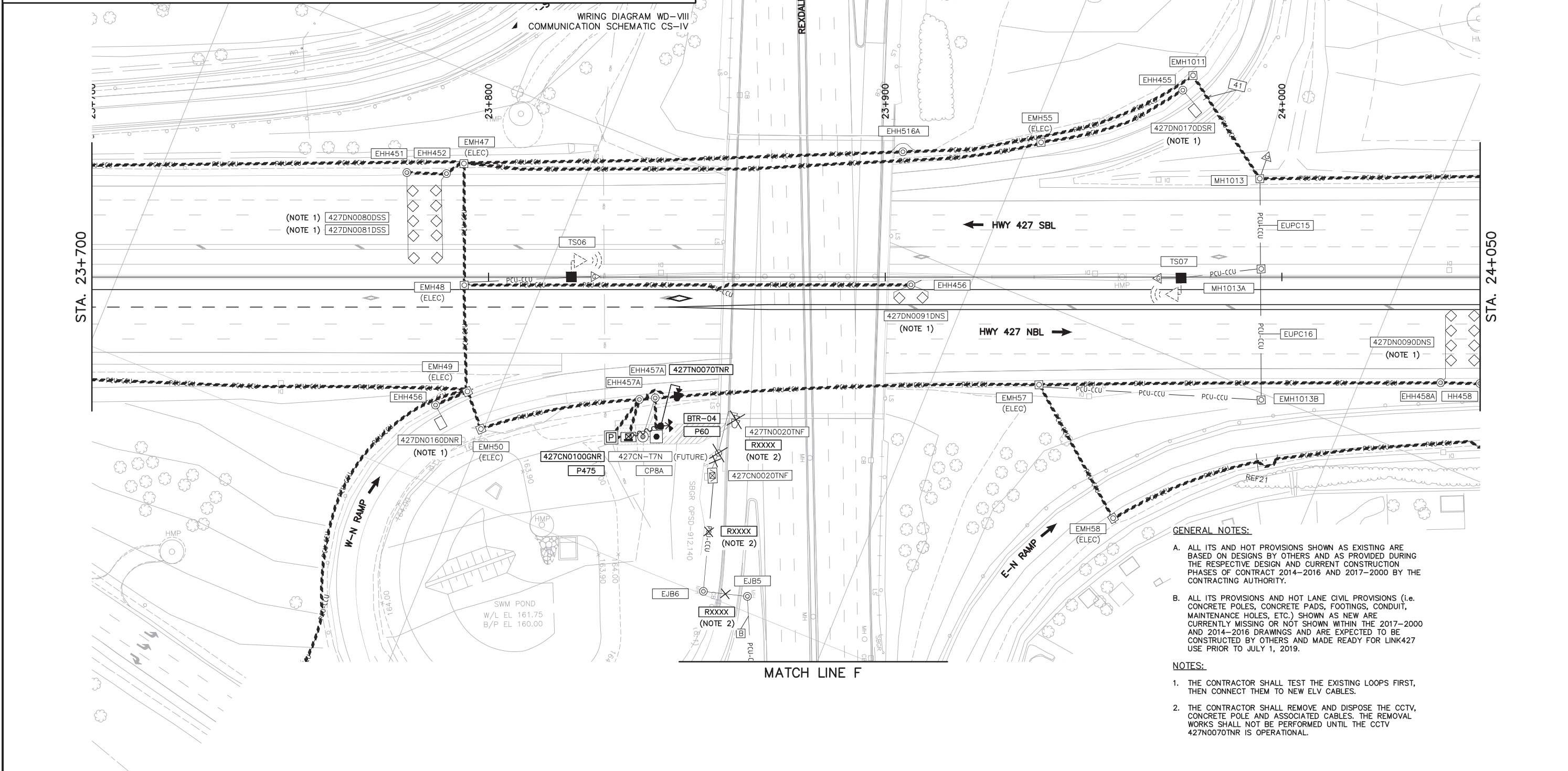
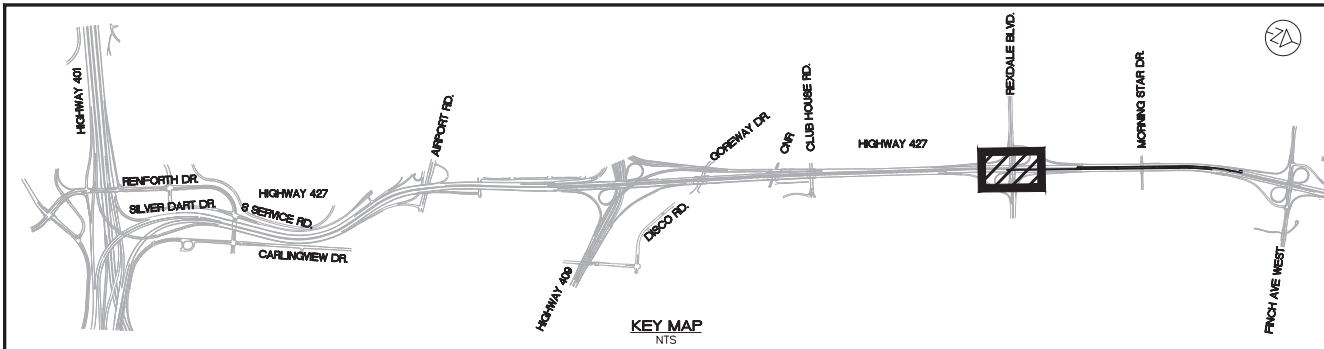
NO.	DATE	REVISIONS	BY	CHK	LEAD. DES.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MGR.	
NAME (PRINT)	INT. DATE

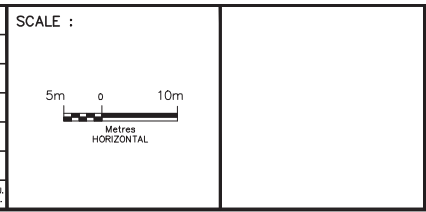


TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 23+350 TO STA. 23+700							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1542	A



- GENERAL NOTES:**
- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
 - B. ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.
- NOTES:**
- 1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.
 - 2. THE CONTRACTOR SHALL REMOVE AND DISPOSE THE CCTV, CONCRETE POLE AND ASSOCIATED CABLES. THE REMOVAL WORKS SHALL NOT BE PERFORMED UNTIL THE CCTV 427N0070TNR IS OPERATIONAL.

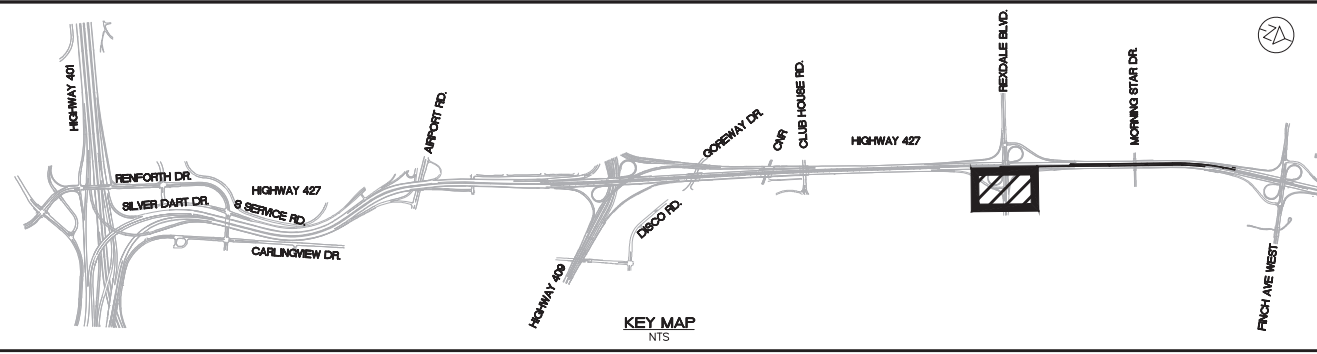
NO.	DATE	REVISIONS	BY	CHK	LEAD. ENGR.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

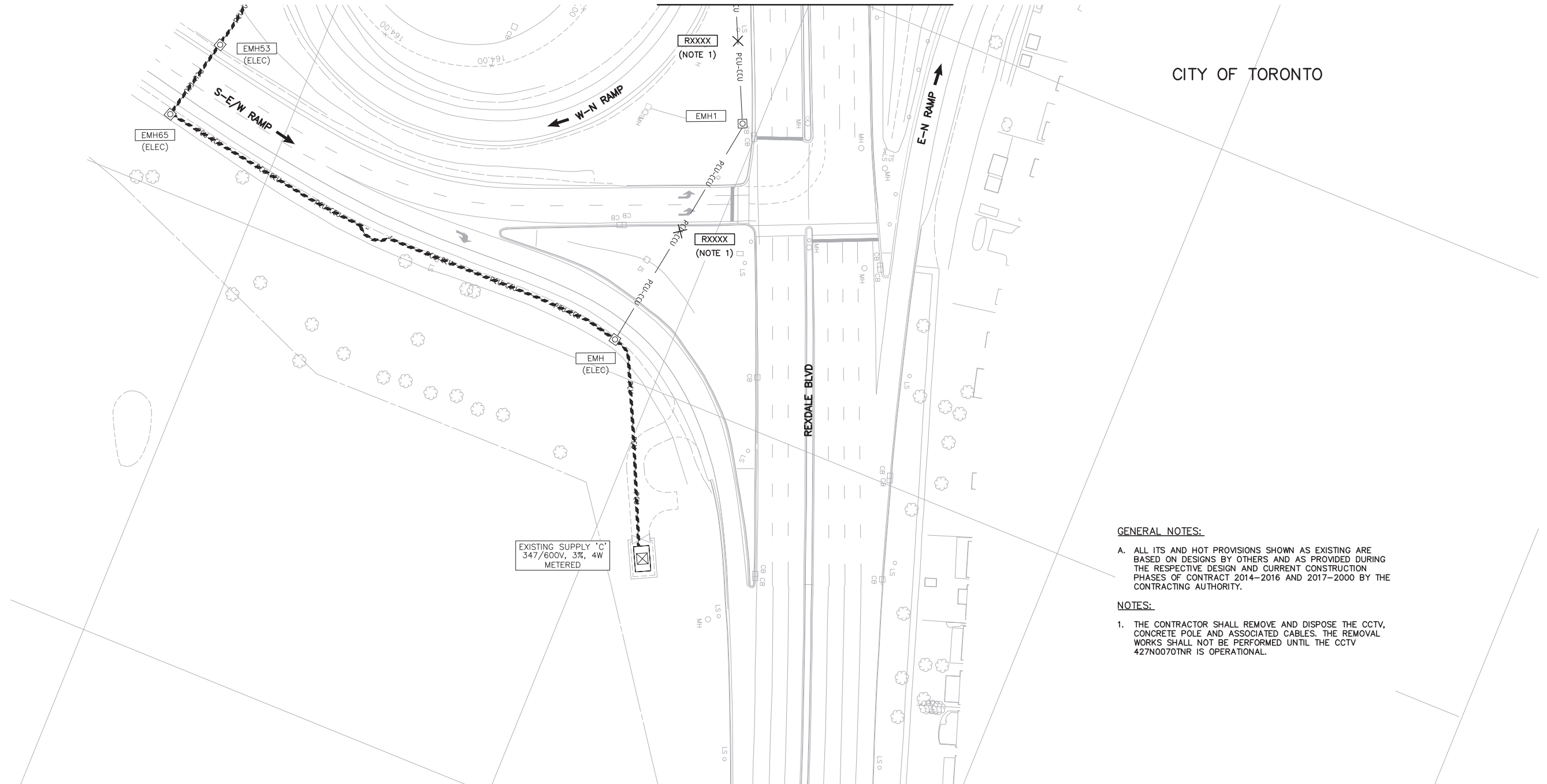


TITLE						
HWY 427 EXPANSION						
ITS-NEW CONSTRUCTION						
STA. 23+700 TO STA. 24+050						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	F	10	ITS	000	DWG	1543
						A



WIRING DIAGRAM WD-VIII

MATCH LINE F



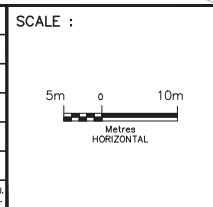
GENERAL NOTES:

A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

NOTES:

1. THE CONTRACTOR SHALL REMOVE AND DISPOSE THE CCTV, CONCRETE POLE AND ASSOCIATED CABLES. THE REMOVAL WORKS SHALL NOT BE PERFORMED UNTIL THE CCTV 427N00701NR IS OPERATIONAL.

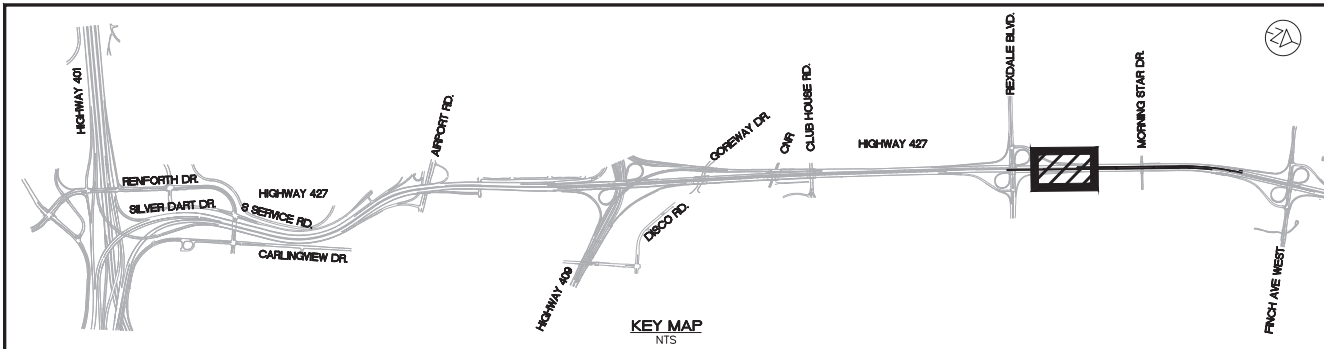
NO.	DATE	REVISIONS	BY	CHK	LEAD. DESG.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	INT. DATE



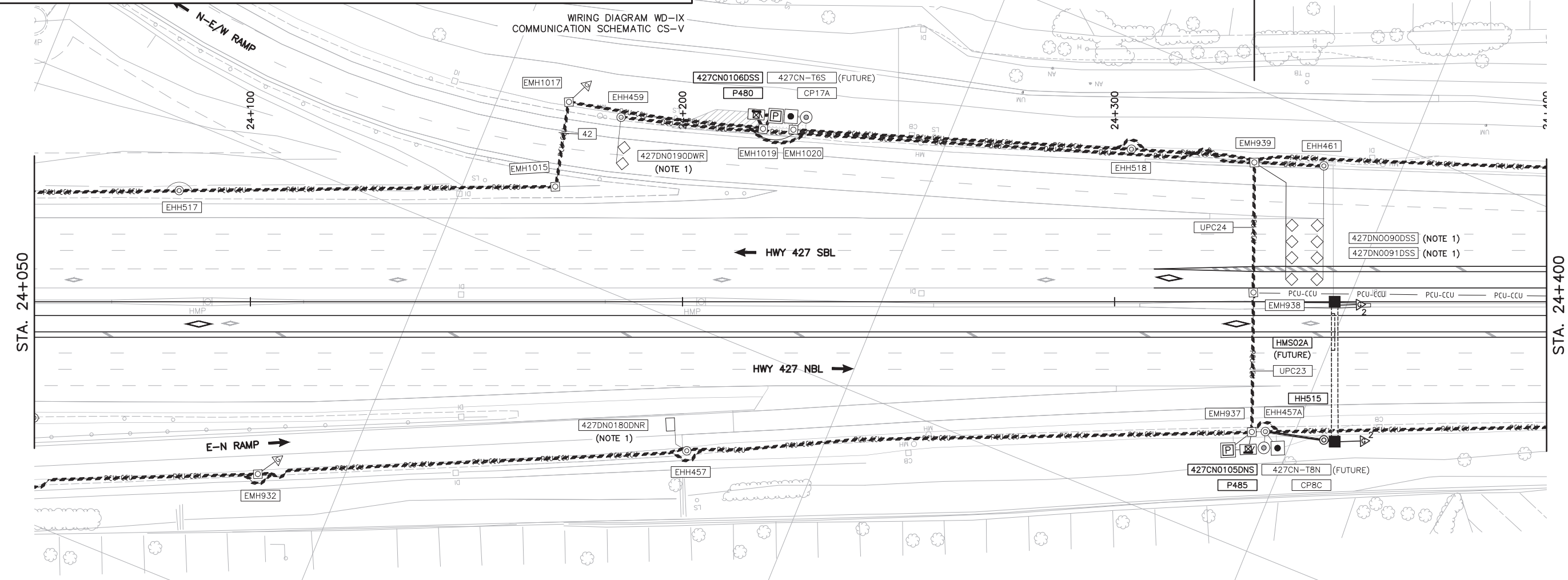
TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1544	A



CITY OF TORONTO

LIMIT OF FEEDERS DISTRIBUTION ASSEMBLY 'C' REXDALE BLVD

WIRING DIAGRAM WD-IX
COMMUNICATION SCHEMATIC CS-V



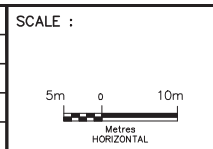
GENERAL NOTES:

- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
- B. ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.

NOTES:

- 1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.

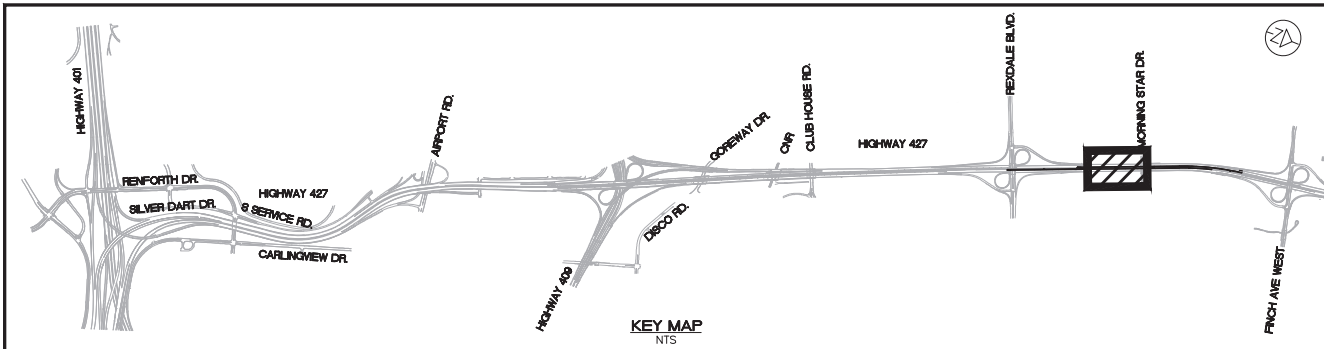
NO.	DATE	REVISIONS	BY	CHK	LEAD. DESIG.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INIT.	DATE



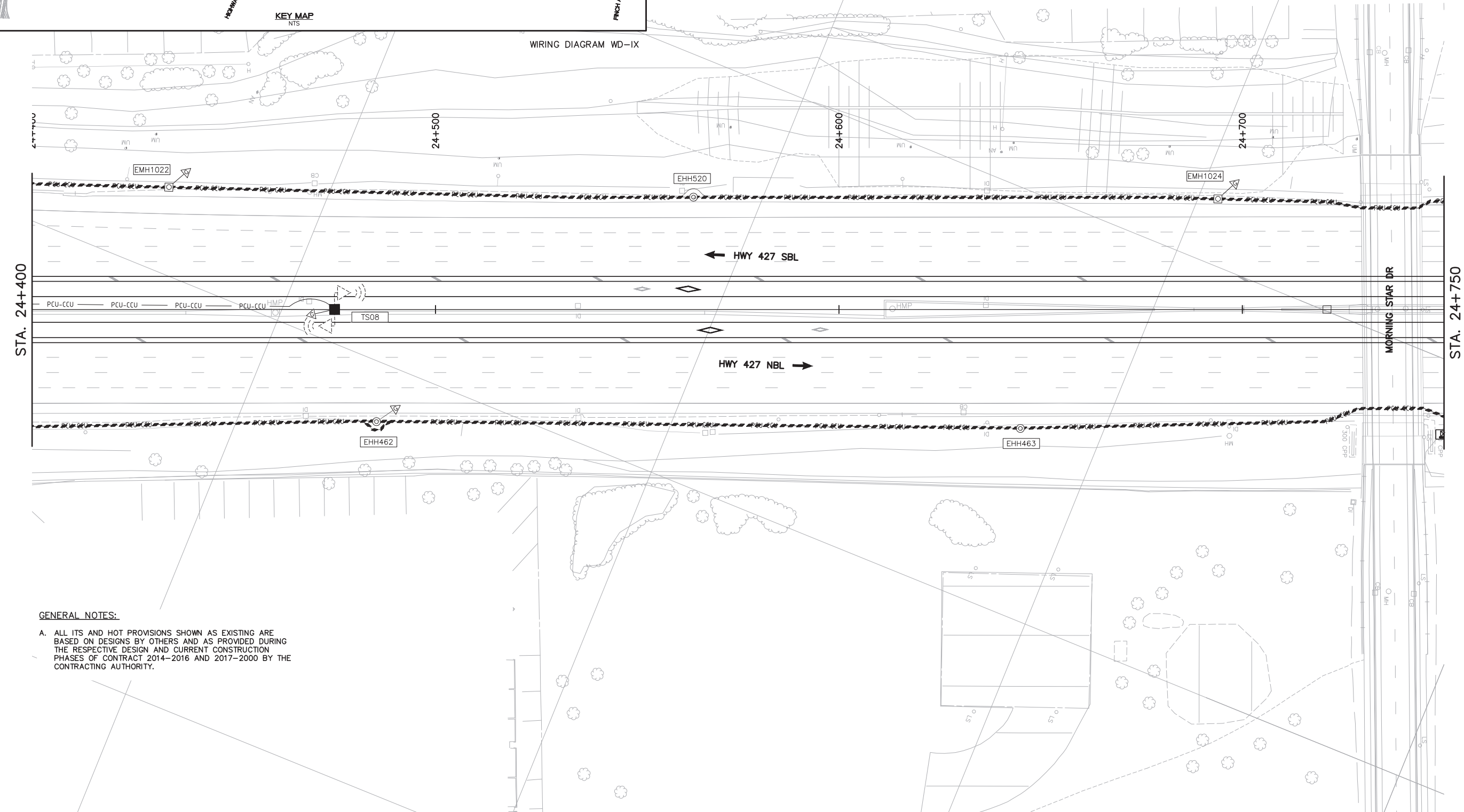
TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 24+050 TO STA. 24+400							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1545	A



CITY OF TORONTO

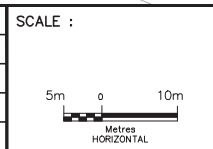


WIRING DIAGRAM WD-IX



GENERAL NOTES:
 A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.

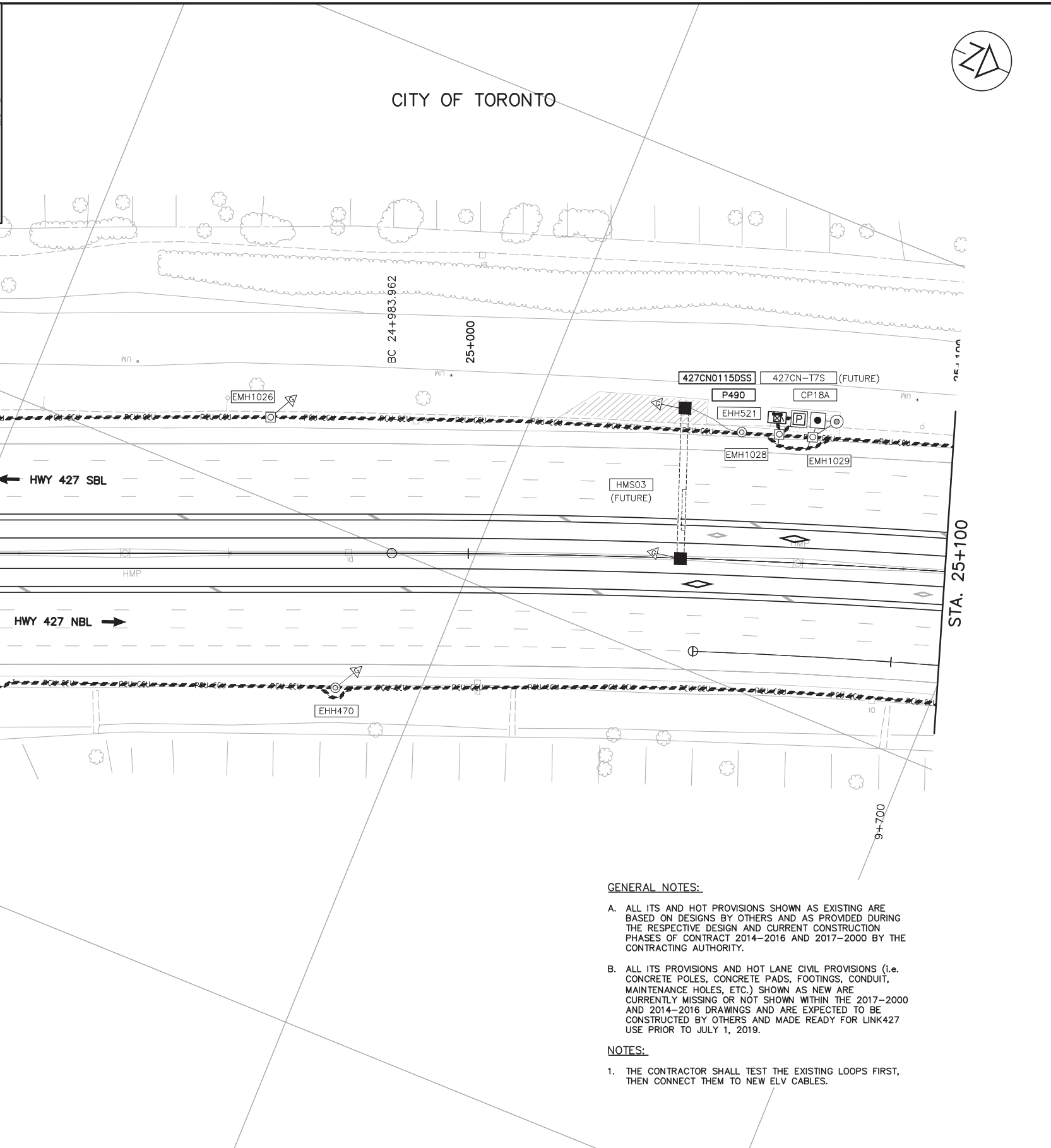
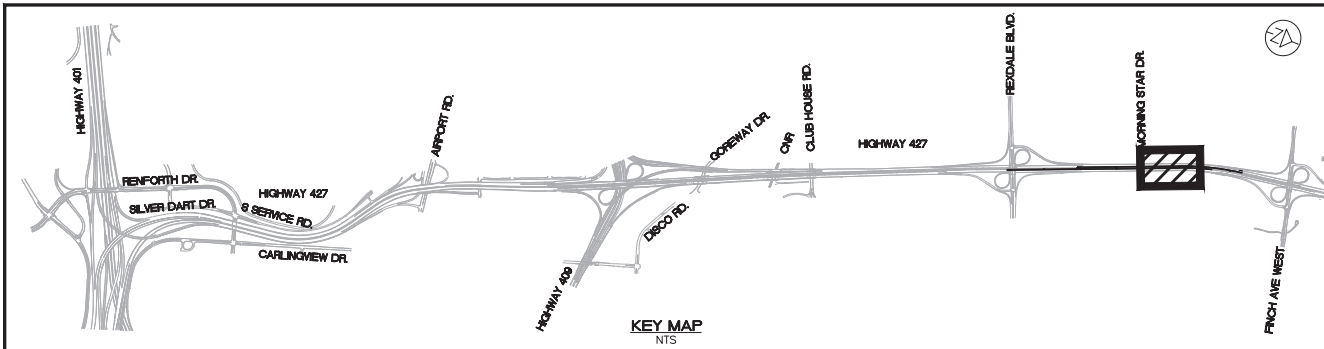
NO.	DATE	REVISIONS	BY	CHK	LEAD. DESIG.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
	NAME (PRINT)	INIT.	DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 24+400 TO STA. 24+750							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1546	A

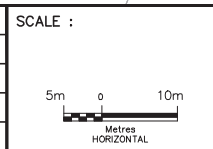


(NOTE 1) 427DN0100DSS
 (NOTE 1) 427DN0101DSS

(NOTE 1) 427DN0101DNS
 (NOTE 1) 427DN0100DNS

- GENERAL NOTES:**
- A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY.
 - B. ALL ITS PROVISIONS AND HOT LANE CIVIL PROVISIONS (i.e. CONCRETE POLES, CONCRETE PADS, FOOTINGS, CONDUIT, MAINTENANCE HOLES, ETC.) SHOWN AS NEW ARE CURRENTLY MISSING OR NOT SHOWN WITHIN THE 2017-2000 AND 2014-2016 DRAWINGS AND ARE EXPECTED TO BE CONSTRUCTED BY OTHERS AND MADE READY FOR LINK427 USE PRIOR TO JULY 1, 2019.
- NOTES:**
1. THE CONTRACTOR SHALL TEST THE EXISTING LOOPS FIRST, THEN CONNECT THEM TO NEW ELV CABLES.

NO.	DATE	REVISIONS	BY	CHK	LEAD. DISC.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				

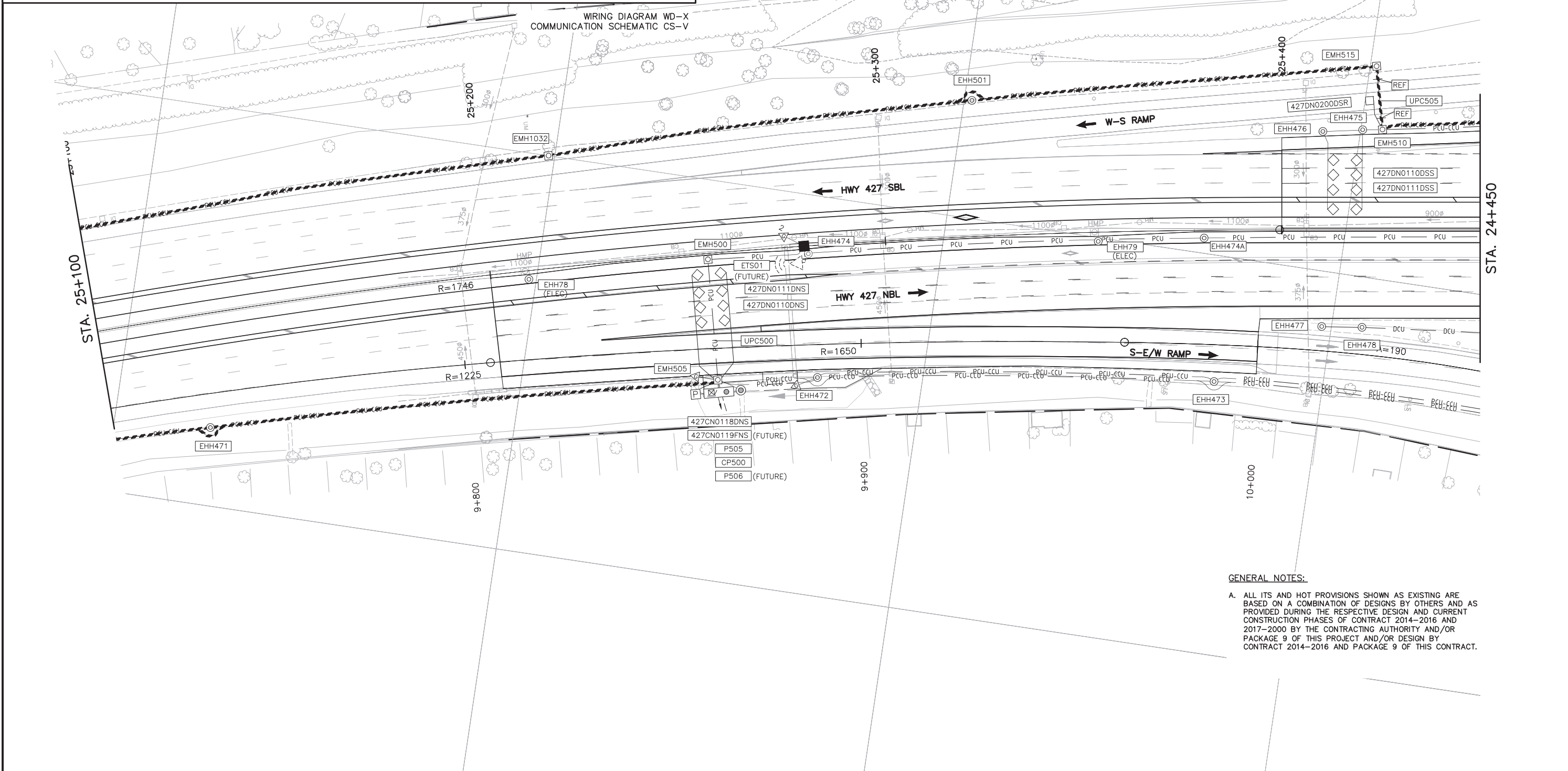
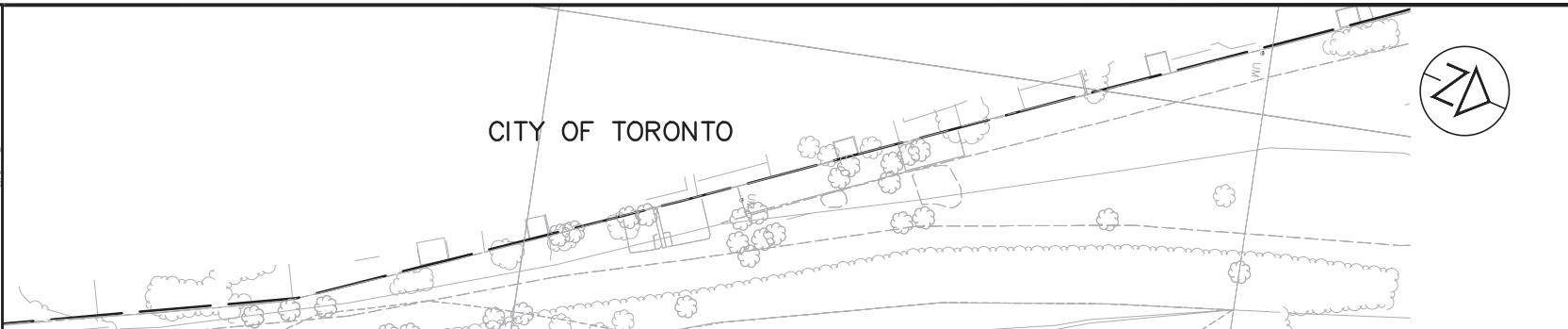
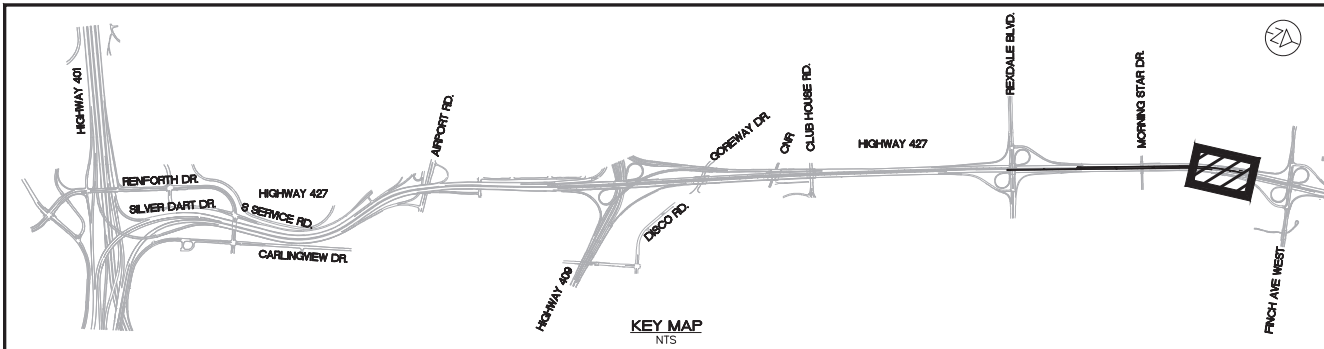


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	

NAME (PRINT)	INT.	DATE



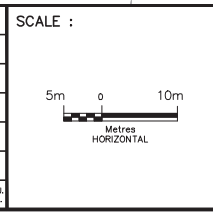
TITLE						
HWY 427 EXPANSION						
ITS-NEW CONSTRUCTION						
STA. 24+750 TO STA. 25+100						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	F	10	ITS	000	DWG	1547
						A



GENERAL NOTES:

A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON A COMBINATION OF DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY AND/OR PACKAGE 9 OF THIS PROJECT AND/OR DESIGN BY CONTRACT 2014-2016 AND PACKAGE 9 OF THIS CONTRACT.

NO.	DATE	REVISIONS	BY	CHK	LEAD. DES.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE

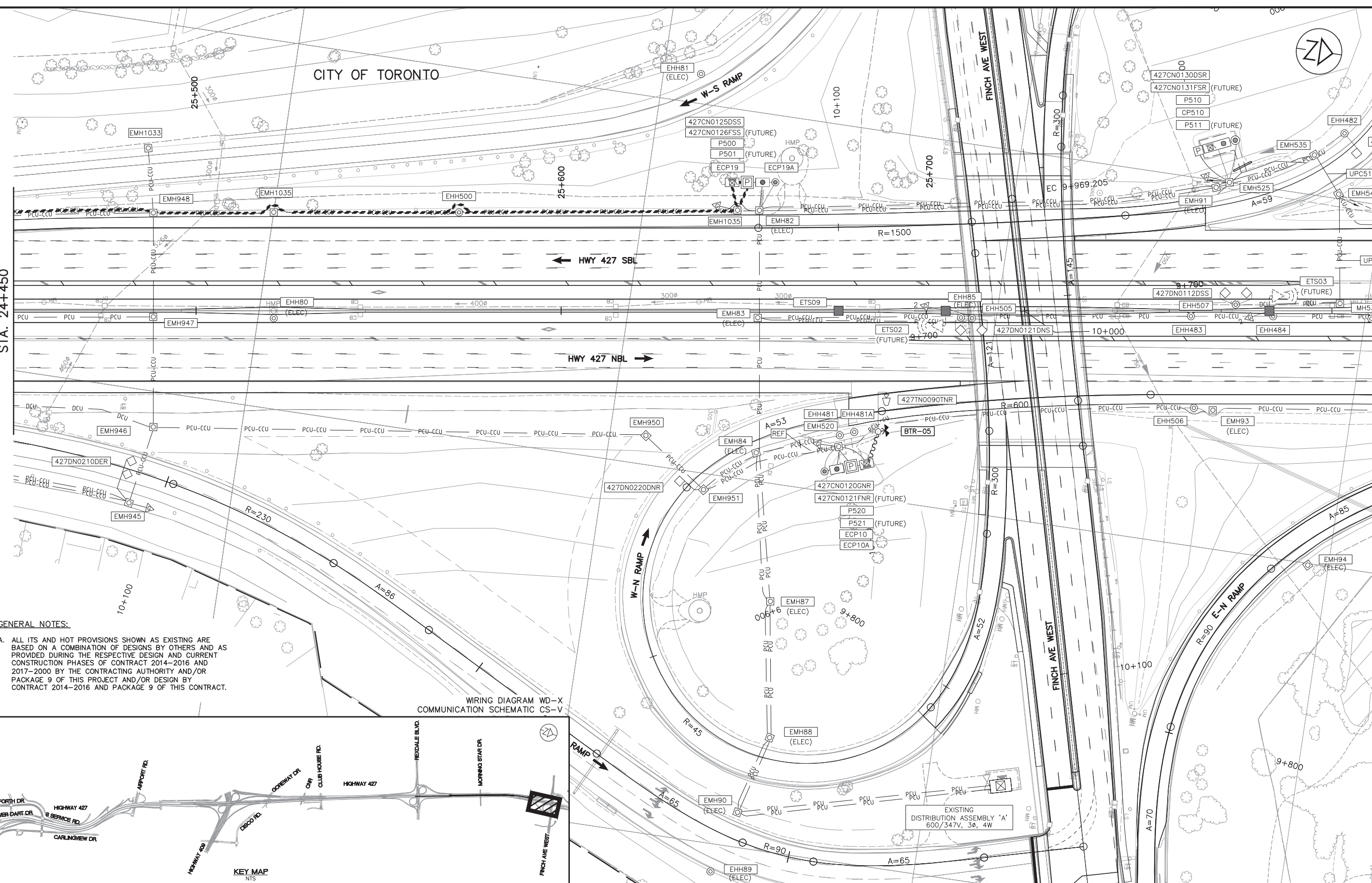
CONSULTANT	
NAME (PRINT)	INT. DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 25+100 TO STA. 24+450							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1548	A

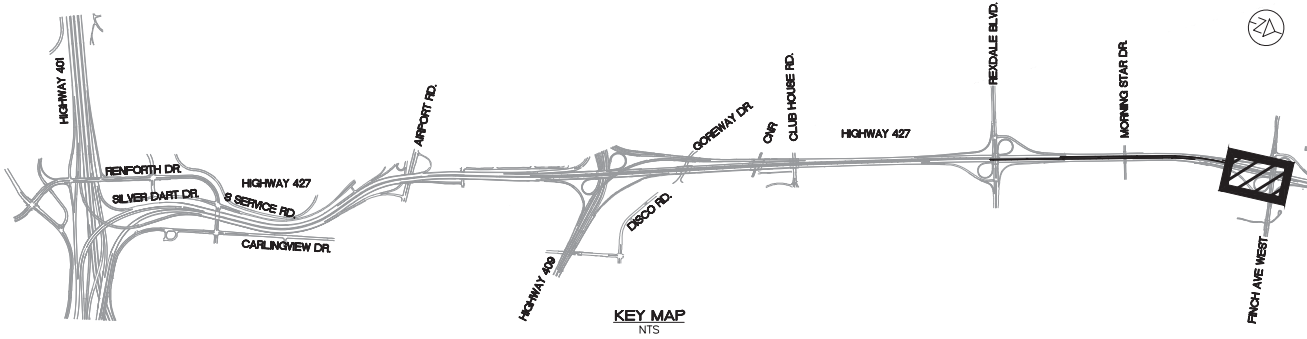
STA. 24+450

CITY OF TORONTO

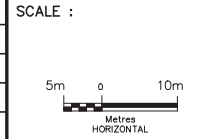


GENERAL NOTES:
 A. ALL ITS AND HOT PROVISIONS SHOWN AS EXISTING ARE BASED ON A COMBINATION OF DESIGNS BY OTHERS AND AS PROVIDED DURING THE RESPECTIVE DESIGN AND CURRENT CONSTRUCTION PHASES OF CONTRACT 2014-2016 AND 2017-2000 BY THE CONTRACTING AUTHORITY AND/OR PACKAGE 9 OF THIS PROJECT AND/OR DESIGN BY CONTRACT 2014-2016 AND PACKAGE 9 OF THIS CONTRACT.

WIRING DIAGRAM WD-X
 COMMUNICATION SCHEMATIC CS-V



KEY MAP
NTS

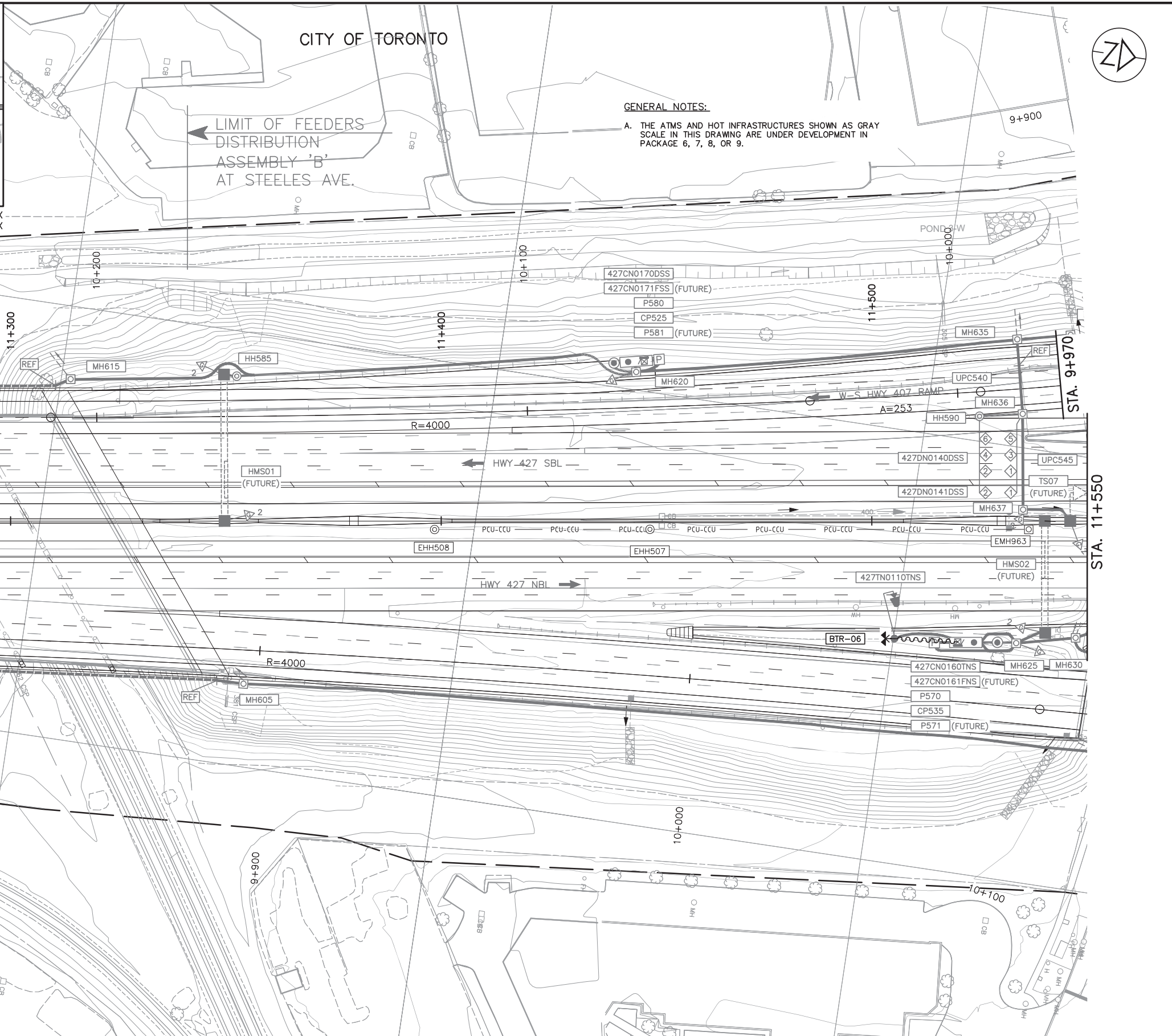
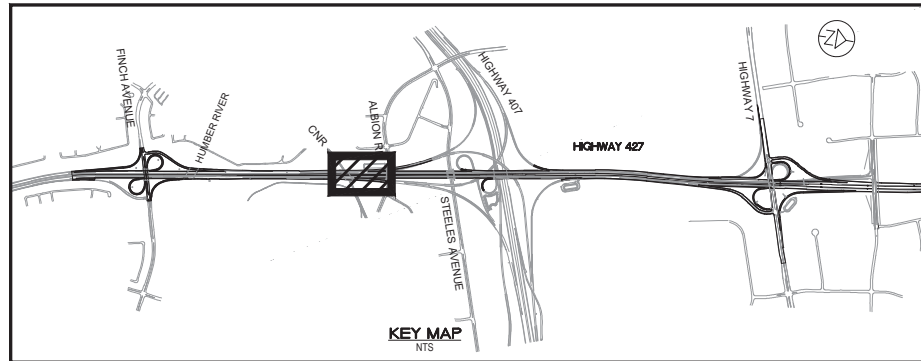


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	INT. DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 24+450 TO STA. XX+XXX							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1549	A

A	18/06/08	50% SUBMISSION TO CA					
NO.	DATE	REVISIONS	BY	CHK	LEAD. PSC.	PROJ. MAN.	



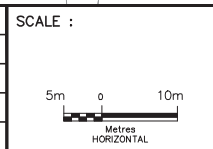
GENERAL NOTES:
 A. THE ATMS AND HOT INFRASTRUCTURES SHOWN AS GRAY SCALE IN THIS DRAWING ARE UNDER DEVELOPMENT IN PACKAGE 6, 7, 8, OR 9.

← LIMIT OF FEEDERS DISTRIBUTION ASSEMBLY 'B' AT STEELES AVE.

→ LIMIT OF FEEDERS DISTRIBUTION ASSEMBLY 'A' AT FINCH AVE.

WIRING DIAGRAM WD-XX
 COMMUNICATION SCHEMATIC CS-XX

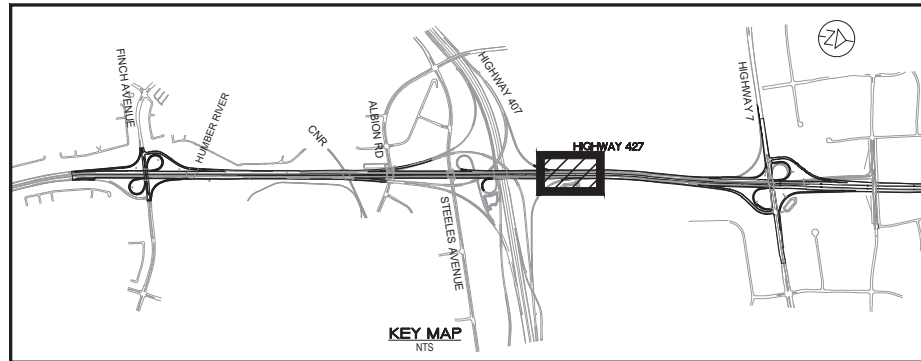
NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ. MAN.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
NAME (PRINT)	INT. DATE



TITLE						
HWY 427 EXPANSION						
ITS-NEW CONSTRUCTION						
STA. 11+200 TO STA. 11+550						
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER
H427-D	F	10	ITS	000	DWG	1550
						REVISION NUMBER
						A

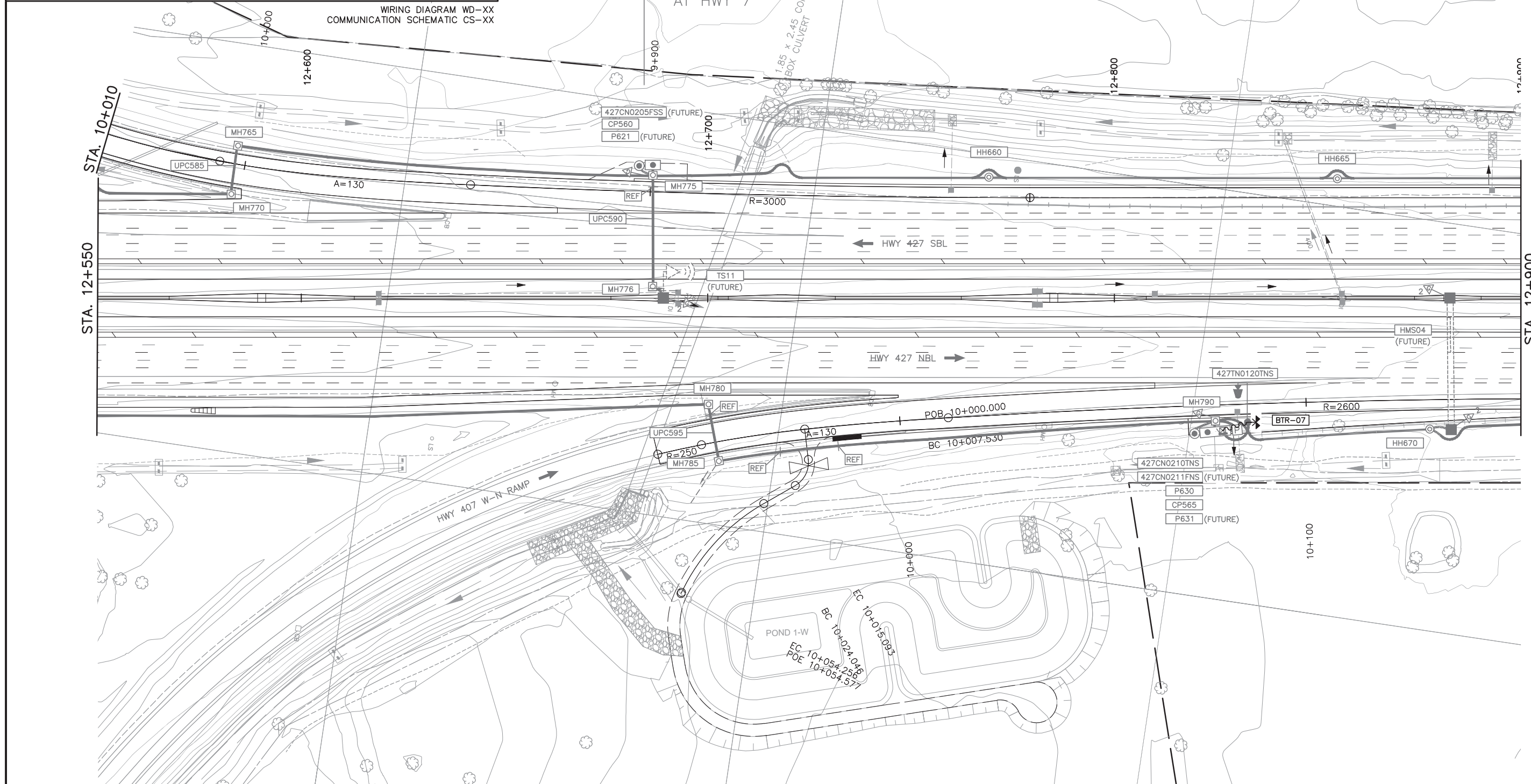


CITY OF VAUGHAN

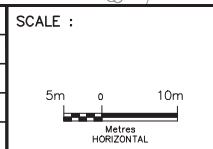
GENERAL NOTES:
 A. THE ATMS AND HOT INFRASTRUCTURES SHOWN AS GRAY SCALE IN THIS DRAWING ARE UNDER DEVELOPMENT IN PACKAGE 6, 7, 8, OR 9.

← LIMIT OF FEEDERS DISTRIBUTION ASSEMBLY 'C' AT HWY 7

WIRING DIAGRAM WD-XX
 COMMUNICATION SCHEMATIC CS-XX



NO.	DATE	BY	CHK	LEAD. ENGR.	PROJ. MGR.
A	18/06/08				
50% SUBMISSION TO CA					
REVISIONS					

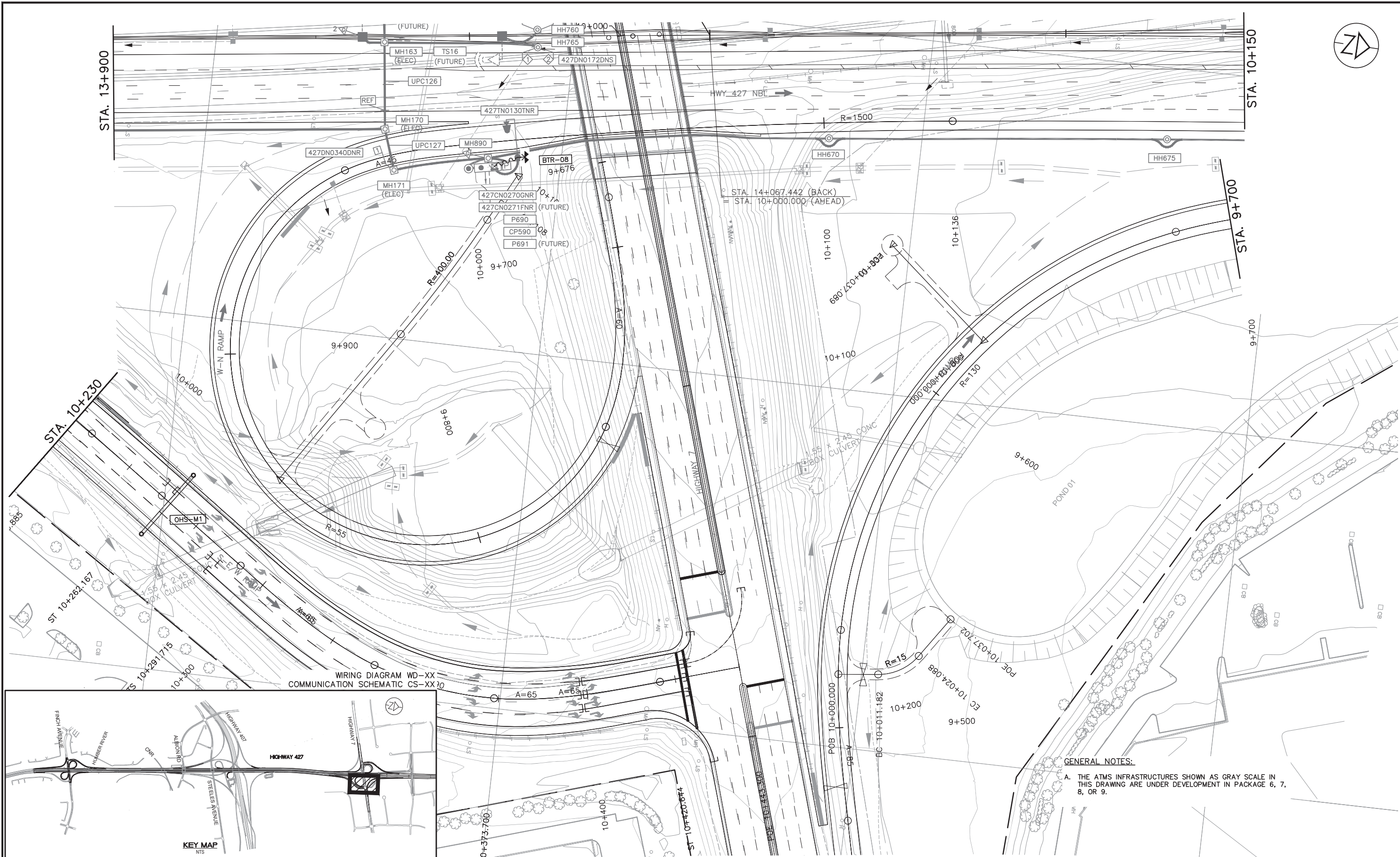


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	

CONSULTANT	
NAME (PRINT)	
INT.	
DATE	

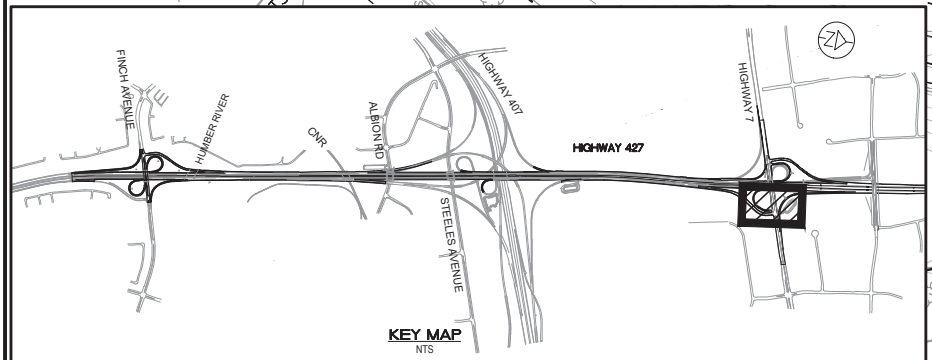


TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 12+550 TO STA. 12+900							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1551	A

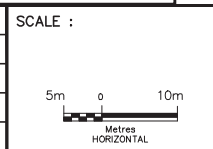


WIRING DIAGRAM WD-XX
 COMMUNICATION SCHEMATIC CS-XX

GENERAL NOTES:
 A. THE ATMS INFRASTRUCTURES SHOWN AS GRAY SCALE IN THIS DRAWING ARE UNDER DEVELOPMENT IN PACKAGE 6, 7, 8, OR 9.



NO.	DATE	REVISIONS
A	18/06/08	50% SUBMISSION TO CA

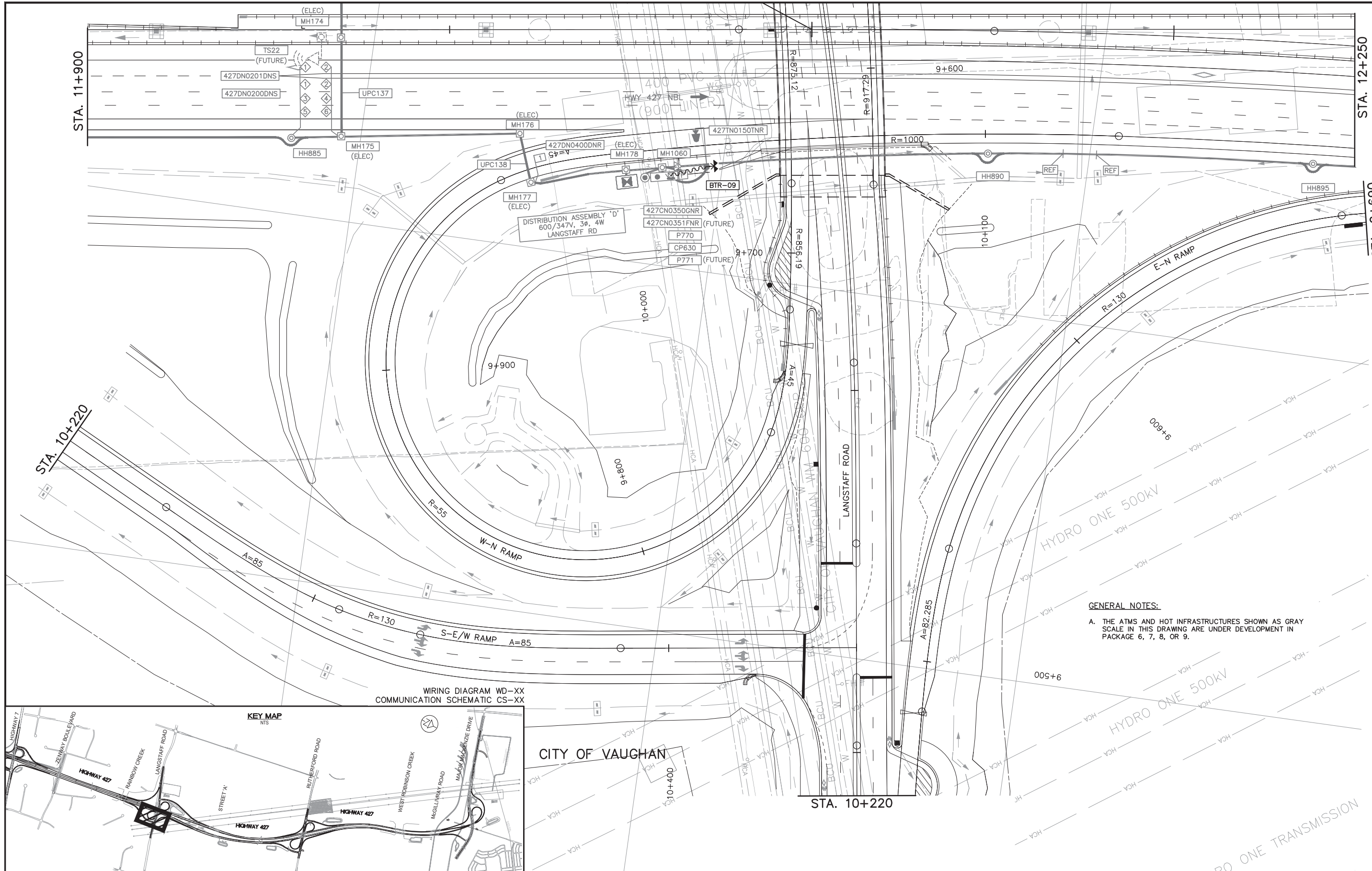


DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	

NAME (PRINT)	INT.	DATE

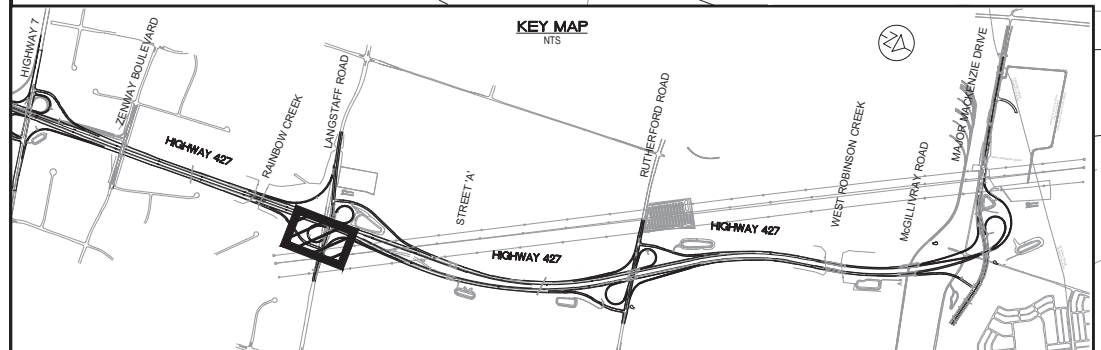


TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 13+900 TO STA. 10+150							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1552	A



GENERAL NOTES:
 A. THE ATMS AND HOT INFRASTRUCTURES SHOWN AS GRAY SCALE IN THIS DRAWING ARE UNDER DEVELOPMENT IN PACKAGE 6, 7, 8, OR 9.

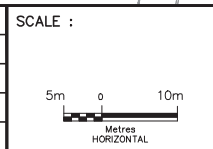
WIRING DIAGRAM WD-XX
 COMMUNICATION SCHEMATIC CS-XX



CITY OF VAUGHAN

STA. 10+220

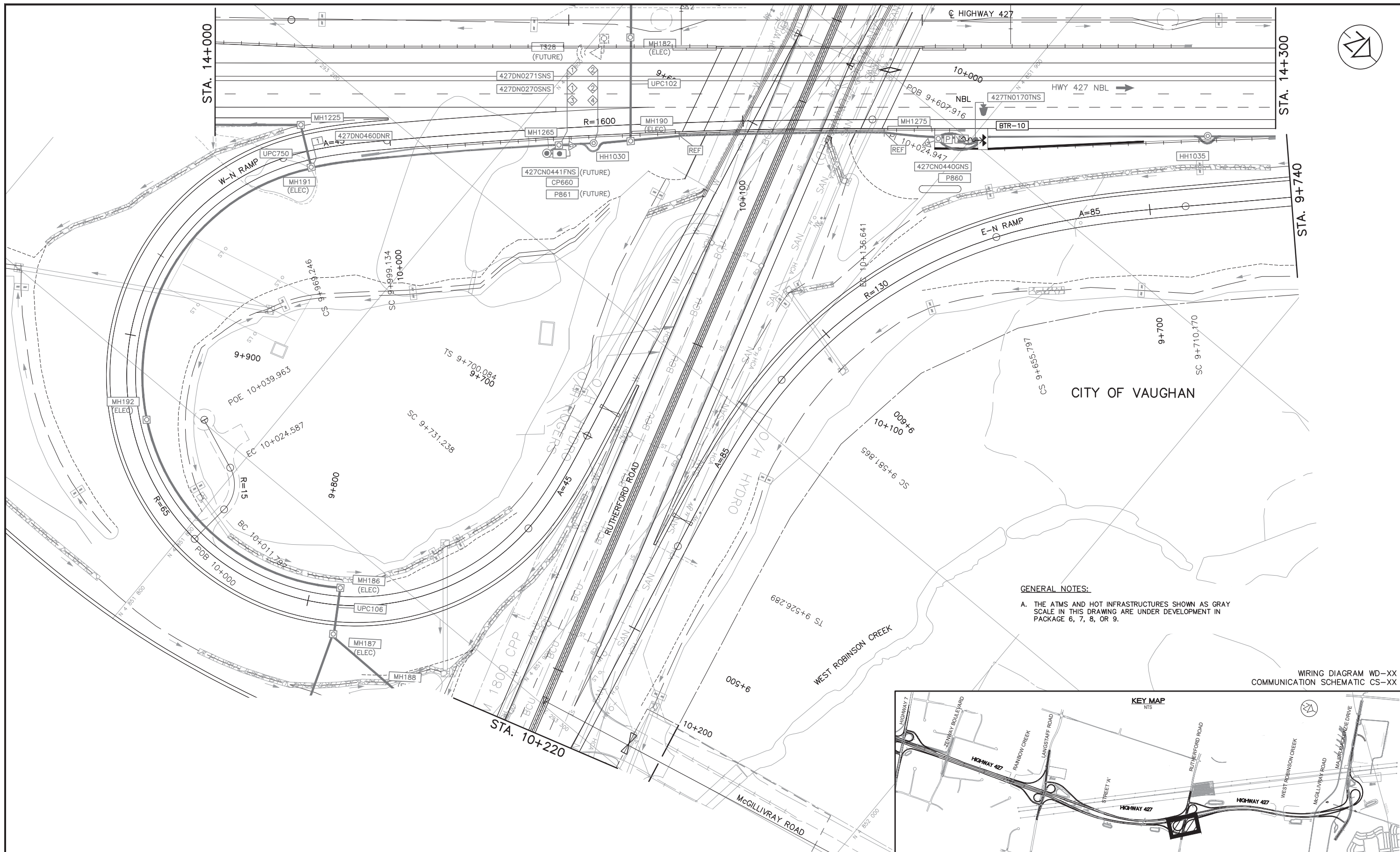
NO.	DATE	REVISIONS	BY	CHK	LEAD. ENGR.	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE
DRAWN	NFG
CHECKED	RBL
APPROVED LEAD ENGINEER	RBL
APPROVED PROJ. MANAGER	
CONSULTANT	
NAME (PRINT)	INT. DATE

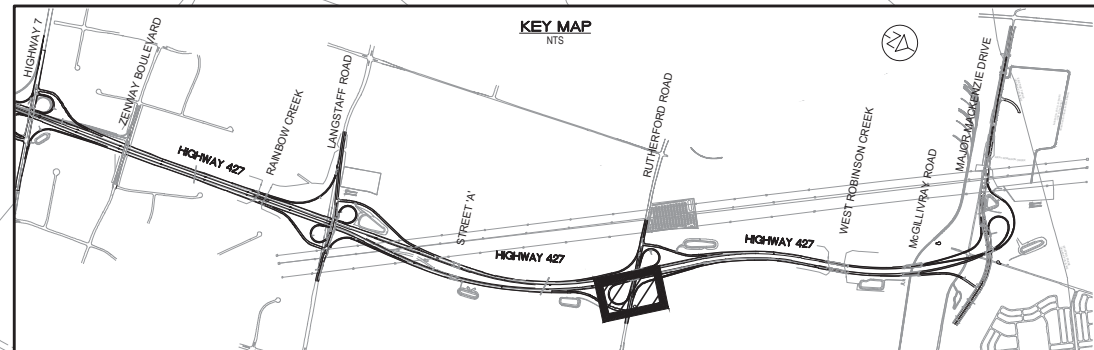


HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 11+900 TO STA. 12+250							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1553	A

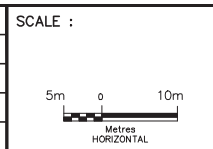


GENERAL NOTES:
 A. THE ATMS AND HOT INFRASTRUCTURES SHOWN AS GRAY SCALE IN THIS DRAWING ARE UNDER DEVELOPMENT IN PACKAGE 6, 7, 8, OR 9.

WIRING DIAGRAM WD-XX
 COMMUNICATION SCHEMATIC CS-XX



NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ. MGR.
A	18/06/08	50% SUBMISSION TO CA				

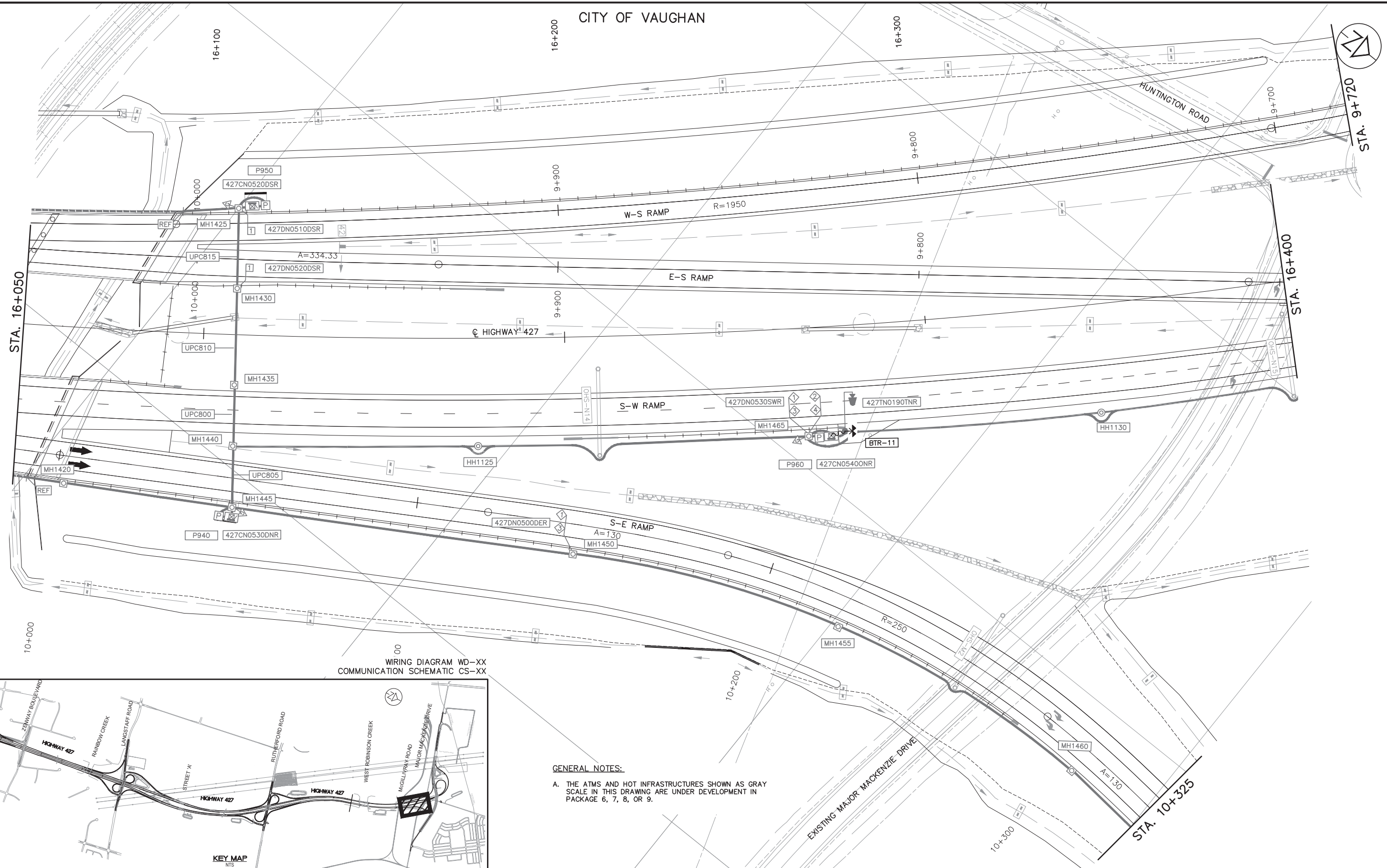


DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INIT.	DATE



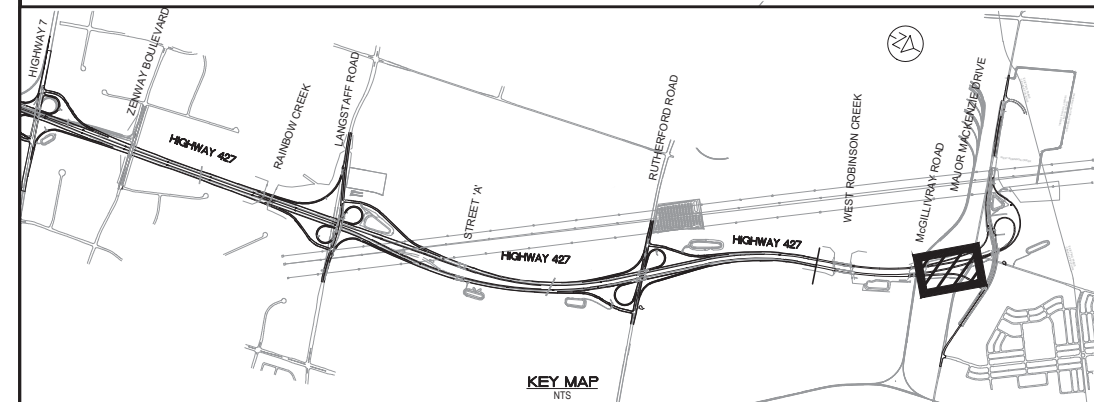
TITLE							
HWY 427 EXPANSION							
ITS - NEW CONSTRUCTION							
STA. 14+000 TO STA. 14+300							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1554	A

CITY OF VAUGHAN



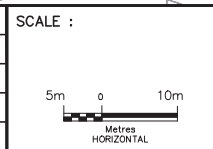
WIRING DIAGRAM WD-XX
COMMUNICATION SCHEMATIC CS-XX

GENERAL NOTES:
A. THE ATMS AND HOT INFRASTRUCTURES SHOWN AS GRAY SCALE IN THIS DRAWING ARE UNDER DEVELOPMENT IN PACKAGE 6, 7, 8, OR 9.



KEY MAP

NO.	DATE	REVISIONS	BY	CHK	LEAD	PROJ.
A	18/06/08	50% SUBMISSION TO CA				



DESIGNED	AG & FE		
DRAWN	NFG		
CHECKED	RBL		
APPROVED LEAD ENGINEER	RBL		
APPROVED PROJ. MANAGER			
NAME (PRINT)		INT.	DATE



TITLE							
HWY 427 EXPANSION							
ITS-NEW CONSTRUCTION							
STA. 16+050 TO STA. 16+400							
PROJECT ID.	STAGE IDENTIFIER	DESIGN PACKAGE NUMBER	DISCIPLINE	STRUCTURE NUMBER	DOCUMENT TYPE	DRAWING NUMBER	REVISION NUMBER
H427-D	F	10	ITS	000	DWG	1555	A