

- NOTES:
1. INSTALLATION SHALL COMPLY WITH OESC 2012, 25TH EDITION.
 2. CONTRACTOR SHALL EXERCISE/IMPLEMENT ROAD USER AGREEMENT WITH CONCERNED AUTHORITIES OF TOWNSHIP/COUNTY/MUNICIPALITIES FOR THE RIGHT TO USE CERTAIN PORTION OF ROAD ALLOWANCES.
 3. CONTRACTOR SHALL REPORT ANY OBSTRUCTIONS AFFECTING THEIR PERFORMANCE BEFORE PROCEEDING WITH ANY WORK.
 4. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES BEFORE ANY EXCAVATION/BORING/DRILLING IS STARTED. CONTRACTOR MUST NOTIFY ONTARIO ONE CALL AND UTILITY OWNERS AT LEAST 5 DAYS PRIOR TO COMMENCING ANY WORK. FOR MORE INFORMATION, VISIT WWW.ON1CALL.COM OR CALL 1-800-400-2255.
 5. CONTRACTOR SHALL ENSURE THAT HDD CROSSINGS UNDER ROAD/HWY/RAILWAY MAINTAIN THE SAME SEPARATION ESTABLISHED BETWEEN TRENCHES SO AS TO MAINTAIN REQUIRED CABLE AMPACITY.
 6. CONTRACTOR SHALL VERIFY AND FOLLOW INSTRUCTIONS OF ENCROACHMENT PERMIT/APPROVAL FROM THE MINISTRY OF TRANSPORTATION-ONTARIO (MTO) BEFORE INSTALLATION OF UNDERGROUND CABLES NEAR HIGHWAYS. (E.G. 402 HWY)
 7. CONTRACTOR SHALL USE HDPE DR11 RATED CONDUITS FOR ROAD, HIGHWAY, UTILITIES, VEGETATION, AND PROTECTED AREA CROSSINGS FOR INSTALLATION VIA HORIZONTAL DIRECTIONAL DRILLING (HDD). CONTRACTOR SHALL USE STEEL CASINGS FOR RAILWAY CROSSINGS VIA HDD. CONTRACTORS SHALL INSTALL FIBER OPTIC CABLES IN A SEPARATE HDPE/PVC SCH. 40 CONDUITS FOR ALL CROSSINGS.
 8. THE CONTRACTOR MUST FIELD CHECK AND VERIFY INSTALLATION DETAIL SUCH AS DIMENSION, ELEVATION, SITE CONDITION ETC. AND REPORT ANY DISCREPANCIES TO THE SITE MANAGER (ENGINEER) PRIOR TO COMMENCING ANY WORK/FABRICATION.
 9. CONTRACTOR SHALL REFER TO DRAWINGS: 12039-NEC-D10-534 AND D10-536 FOR ALL CROSSINGS.
 10. ALL CABLE PENETRATING BUILDING WALLS & FLOORS SHALL BE COATED WITH FM APPROVED FIRE STOP COATING SUCH AS FLAMEASTIC 77 OR APPROVED EQUAL FOR 3 FEET ON EACH SIDE OF PENETRATION.
 11. DRAWINGS BASED ON CALLON DIETZ SITE PLAN DRAWINGS.
 12. ALL DRAWING REFERENCES PREFIXED WITH 12039-NEC-

LEGEND:

	34.5kV COLLECTION FEEDER F1 TRENCH
	34.5kV COLLECTION FEEDER F2 TRENCH
	34.5kV COLLECTION FEEDER F3 TRENCH
	34.5kV COLLECTION FEEDER F4 TRENCH
	34.5kV COLLECTION FEEDER F5 TRENCH
	34.5kV COLLECTION FEEDER F6 TRENCH
	34.5kV COLLECTION FEEDER F7 TRENCH
	MET TOWER TRENCH

DRAWING REFERENCE PREFIXED BY 12039-NEC-
DETAIL REFERENCE, SECTION #

MVJB = MEDIUM VOLTAGE JUNCTION BOX
MES = METAL ENCLOSED SWITCHGEAR

C	28/11/13	REVISED LAYOUT AND MES LOCATIONS	MW	KP
B	10/09/13	REVISED LAYOUT AND MES LOCATIONS	MW	DP
A	10/05/13	ISSUED FOR REVIEW AND COMMENT	MW	KP
REV.	DATE	DESCRIPTION	CHK'D	APP'D
REVISIONS				

Engineering Inc. - Electrical Power Specialists
Tel (905) 688-6857 Fax (905) 688-6926
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NEXTERA ENERGY CANADA

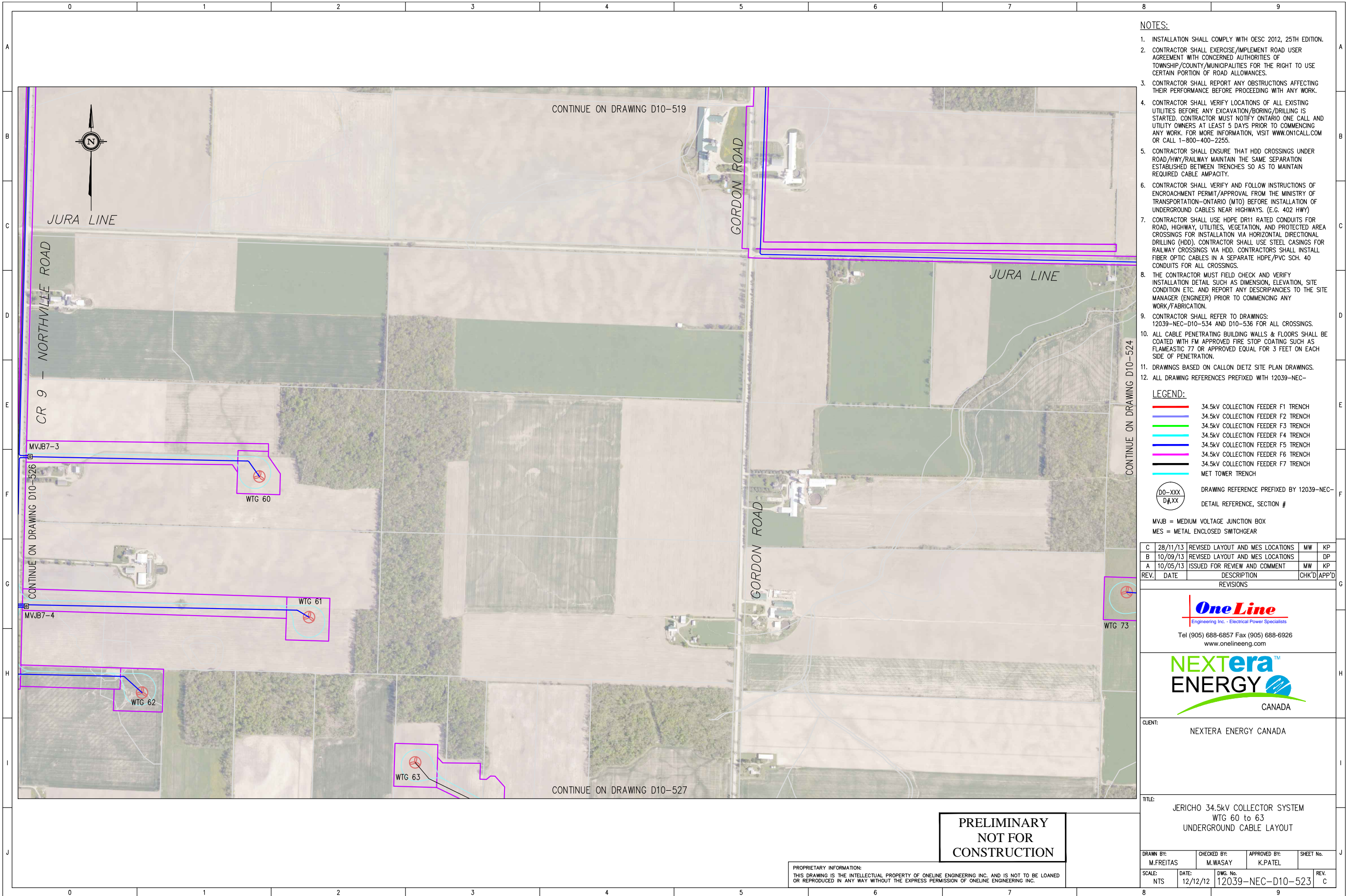
CLIENT:
NEXTERA ENERGY CANADA

TITLE:
JERICO 34.5kV COLLECTOR SYSTEM
WTG 49, 50, 51 & 52
UNDERGROUND CABLE LAYOUT

DRAWN BY: M.FREITAS	CHECKED BY: M.WASAY	APPROVED BY: K.PATEL	SHEET No.
SCALE: NTS	DATE: 12/12/12	DWG. No. 12039-NEC-D10-522	REV. C

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PRELIMINARY
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LEGEND:

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- 34.5kV COLLECTION FEEDER F3 TRENCH
- 34.5kV COLLECTION FEEDER F4 TRENCH
- 34.5kV COLLECTION FEEDER F5 TRENCH
- 34.5kV COLLECTION FEEDER F6 TRENCH
- 34.5kV COLLECTION FEEDER F7 TRENCH
- MET TOWER TRENCH

DRAWING REFERENCE PREFIXED BY 12039-NEC-
DETAIL REFERENCE, SECTION #

MVJB = MEDIUM VOLTAGE JUNCTION BOX
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B	10/09/13	REVISED LAYOUT AND MES LOCATIONS		DP
A	10/05/13	ISSUED FOR REVIEW AND COMMENT	MW	KP
REV.	DATE	DESCRIPTION	CHK'D	APP'D
REVISIONS				

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NEXTERA ENERGY CANADA

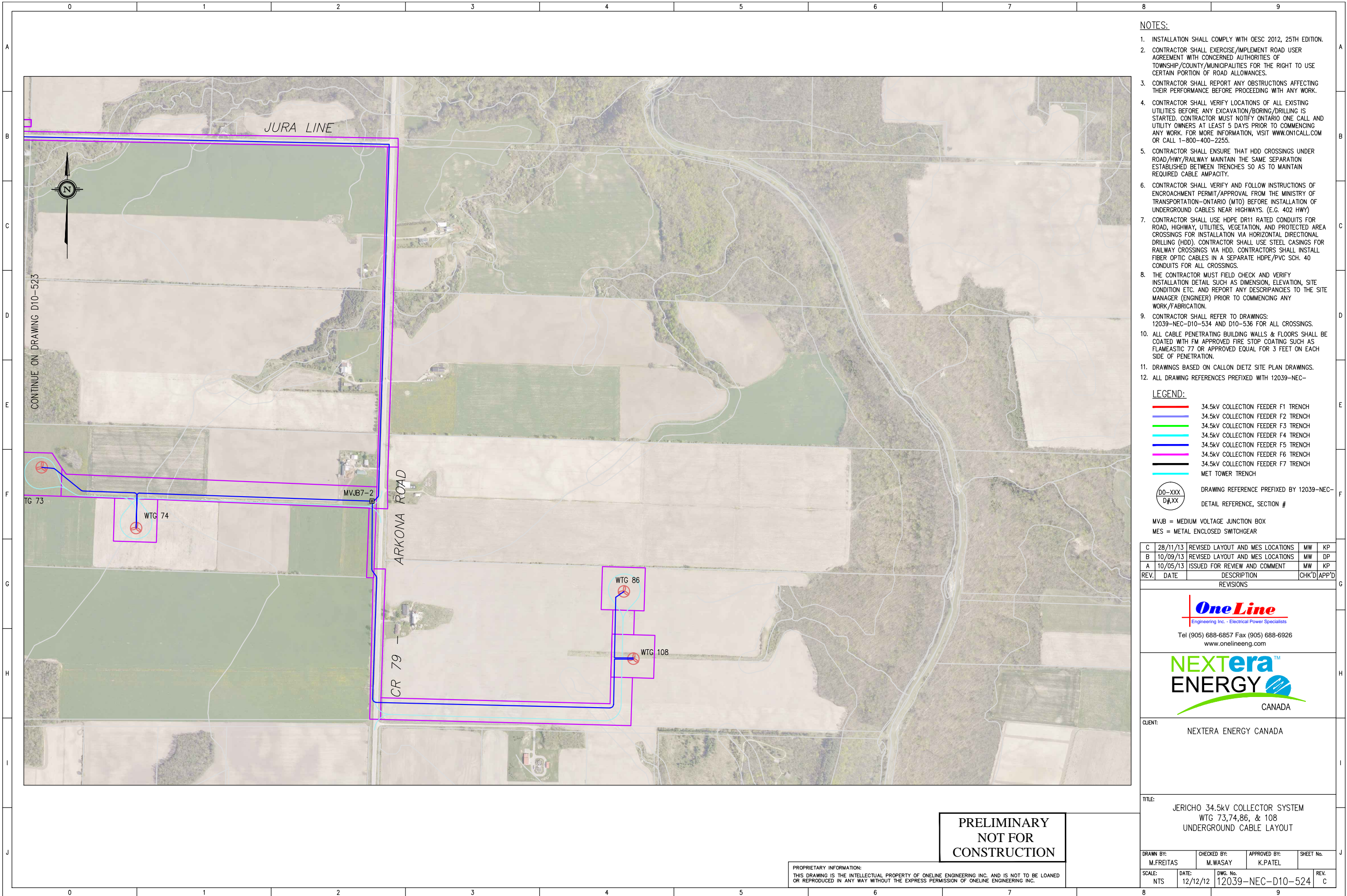
CLIENT: NEXTERA ENERGY CANADA

TITLE: JERICO 34.5kV COLLECTOR SYSTEM
WTG 60 to 63
UNDERGROUND CABLE LAYOUT

DRAWN BY: M.FREITAS	CHECKED BY: M.WASAY	APPROVED BY: K.PATEL	SHEET No.
SCALE: NTS	DATE: 12/12/12	DWG. No. 12039-NEC-D10-523	REV. C

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 8. THE CONTRACTOR MUST FIELD CHECK AND VERIFY INSTALLATION DETAIL SUCH AS DIMENSION, ELEVATION, SITE CONDITION ETC. AND REPORT ANY DESCRIPANCIES TO THE SITE MANAGER (ENGINEER) PRIOR TO COMMENCING ANY WORK/FABRICATION.
 9. CONTRACTOR SHALL REFER TO DRAWINGS: 12039-NEC-D10-534 AND D10-536 FOR ALL CROSSINGS.
 10. ALL CABLE PENETRATING BUILDING WALLS & FLOORS SHALL BE COATED WITH FM APPROVED FIRE STOP COATING SUCH AS FLAMEASTIC 77 OR APPROVED EQUAL FOR 3 FEET ON EACH SIDE OF PENETRATION.
 11. DRAWINGS BASED ON CALLON DIETZ SITE PLAN DRAWINGS.
 12. ALL DRAWING REFERENCES PREFIXED WITH 12039-NEC-

LEGEND:

- 34.5kV COLLECTION FEEDER F1 TRENCH
- 34.5kV COLLECTION FEEDER F2 TRENCH
- 34.5kV COLLECTION FEEDER F3 TRENCH
- 34.5kV COLLECTION FEEDER F4 TRENCH
- 34.5kV COLLECTION FEEDER F5 TRENCH
- 34.5kV COLLECTION FEEDER F6 TRENCH
- 34.5kV COLLECTION FEEDER F7 TRENCH
- MET TOWER TRENCH

DRAWING REFERENCE PREFIXED BY 12039-NEC-
DETAIL REFERENCE, SECTION #

MVJB = MEDIUM VOLTAGE JUNCTION BOX
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REV.	DATE	DESCRIPTION	CHK'D	APP'D
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NEXTERA ENERGY CANADA

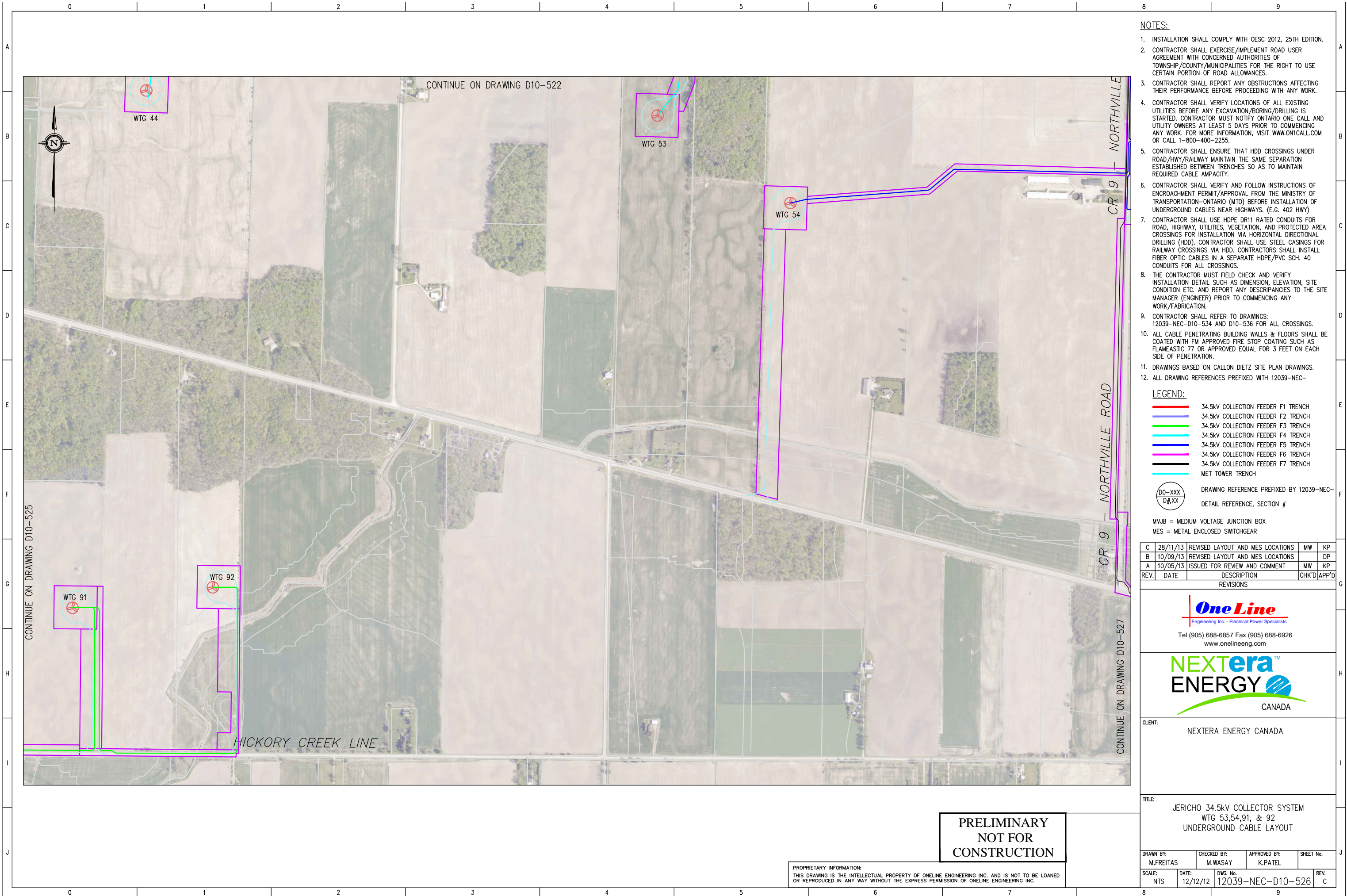
CLIENT: NEXTERA ENERGY CANADA

TITLE: JERICO 34.5kV COLLECTOR SYSTEM
WTG 73,74,86, & 108
UNDERGROUND CABLE LAYOUT

DRAWN BY: M.FREITAS	CHECKED BY: M.WASAY	APPROVED BY: K.PATEL	SHEET No.
SCALE: NTS	DATE: 12/12/12	DWG. No. 12039-NEC-D10-524	REV. C

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LEGEND:

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- 34.5kV COLLECTION FEEDER F4 TRENCH
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- 34.5kV COLLECTION FEEDER F6 TRENCH
- 34.5kV COLLECTION FEEDER F7 TRENCH
- MET TOWER TRENCH

DRAWING REFERENCE PREFIXED BY 12039-NEC-
DETAIL REFERENCE, SECTION #

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MES = METAL ENCLOSED SWITCHGEAR

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B	10/09/13	REVISED LAYOUT AND MES LOCATIONS		DP
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REV.	DATE	DESCRIPTION	CHK'D	APP'D
REVISIONS				

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NEXTERA ENERGY CANADA

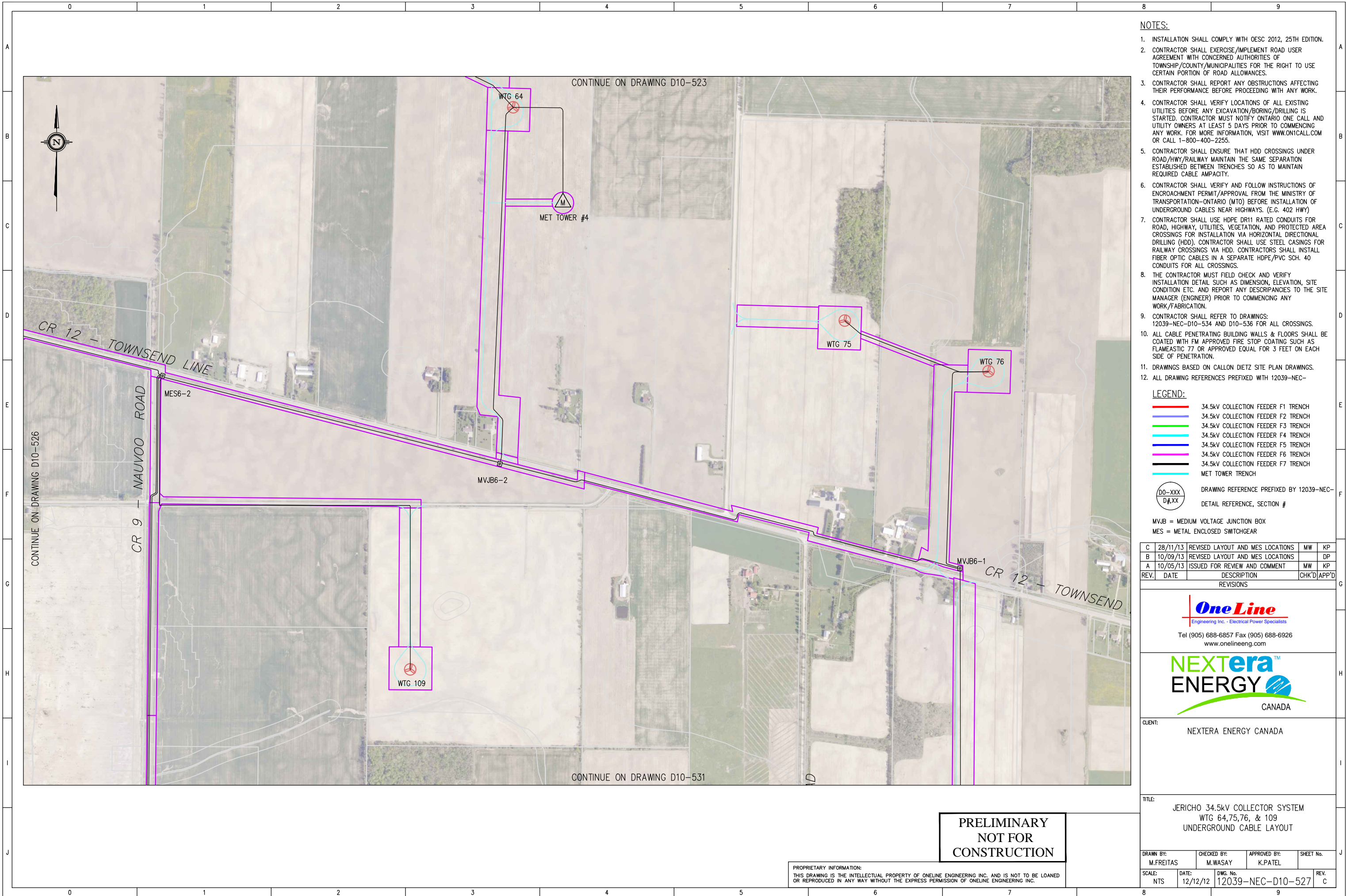
CLIENT: NEXTERA ENERGY CANADA

TITLE: JERICO 34.5kV COLLECTOR SYSTEM
WTG 53,54,91, & 92
UNDERGROUND CABLE LAYOUT

DRAWN BY: M.FREITAS	CHECKED BY: M.WASAY	APPROVED BY: K.PATEL	SHEET No.
SCALE: NTS	DATE: 12/12/12	DWG. No. 12039-NEC-D10-526	REV. C

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DETAIL REFERENCE, SECTION #

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CLIENT: NEXTERA ENERGY CANADA

TITLE: JERICO 34.5kV COLLECTOR SYSTEM
WTG 64,75,76, & 109
UNDERGROUND CABLE LAYOUT

DRAWN BY: M.FREITAS	CHECKED BY: M.WASAY	APPROVED BY: K.PATEL	SHEET No.
SCALE: NTS	DATE: 12/12/12	DWG. No. 12039-NEC-D10-527	REV. C

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DETAIL REFERENCE, SECTION #

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REV.	DATE	DESCRIPTION	CHK'D	APP'D
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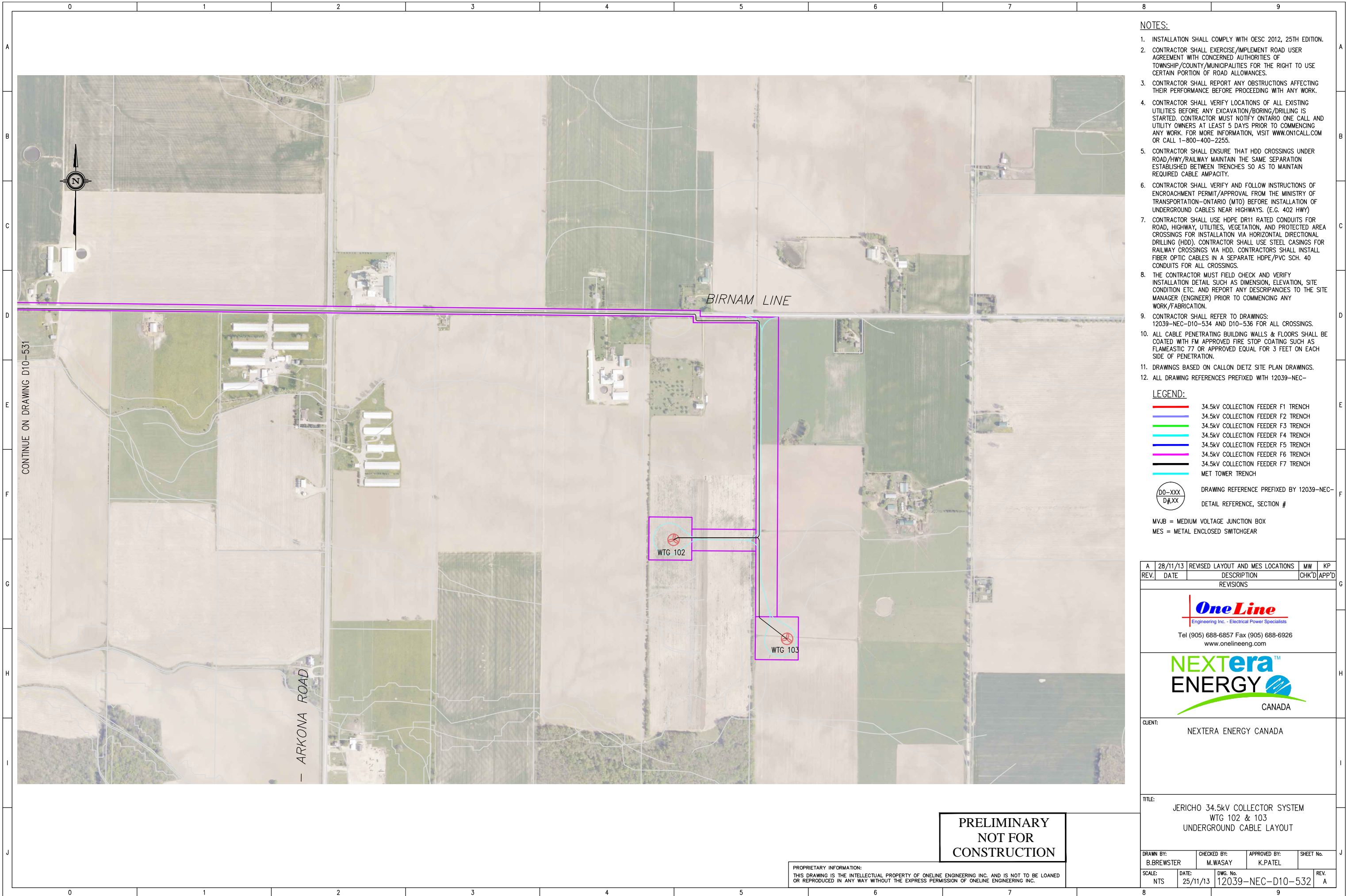
CLIENT: NEXTERA ENERGY CANADA

TITLE: JERICO 34.5kV COLLECTOR SYSTEM
FEEDER 6 & WTG 94
UNDERGROUND CABLE LAYOUT

DRAWN BY: B.BREWSTER	CHECKED BY: M.WASAY	APPROVED BY: K.PATEL	SHEET No.
SCALE: NTS	DATE: 25/11/13	DWG. No. 12039-NEC-D10-531	REV. A

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 2. CONTRACTOR SHALL EXERCISE/IMPLEMENT ROAD USER AGREEMENT WITH CONCERNED AUTHORITIES OF TOWNSHIP/COUNTY/MUNICIPALITIES FOR THE RIGHT TO USE CERTAIN PORTION OF ROAD ALLOWANCES.
 3. CONTRACTOR SHALL REPORT ANY OBSTRUCTIONS AFFECTING THEIR PERFORMANCE BEFORE PROCEEDING WITH ANY WORK.
 4. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES BEFORE ANY EXCAVATION/BORING/DRILLING IS STARTED. CONTRACTOR MUST NOTIFY ONTARIO ONE CALL AND UTILITY OWNERS AT LEAST 5 DAYS PRIOR TO COMMENCING ANY WORK. FOR MORE INFORMATION, VISIT WWW.ON1CALL.COM OR CALL 1-800-400-2255.
 5. CONTRACTOR SHALL ENSURE THAT HDD CROSSINGS UNDER ROAD/HWY/RAILWAY MAINTAIN THE SAME SEPARATION ESTABLISHED BETWEEN TRENCHES SO AS TO MAINTAIN REQUIRED CABLE AMPACITY.
 6. CONTRACTOR SHALL VERIFY AND FOLLOW INSTRUCTIONS OF ENCROACHMENT PERMIT/APPROVAL FROM THE MINISTRY OF TRANSPORTATION-ONTARIO (MTO) BEFORE INSTALLATION OF UNDERGROUND CABLES NEAR HIGHWAYS. (E.G. 402 HWY)
 7. CONTRACTOR SHALL USE HDPE DR11 RATED CONDUITS FOR ROAD, HIGHWAY, UTILITIES, VEGETATION, AND PROTECTED AREA CROSSINGS FOR INSTALLATION VIA HORIZONTAL DIRECTIONAL DRILLING (HDD). CONTRACTOR SHALL USE STEEL CASINGS FOR RAILWAY CROSSINGS VIA HDD. CONTRACTORS SHALL INSTALL FIBER OPTIC CABLES IN A SEPARATE HDPE/PVC SCH. 40 CONDUITS FOR ALL CROSSINGS.
 8. THE CONTRACTOR MUST FIELD CHECK AND VERIFY INSTALLATION DETAIL SUCH AS DIMENSION, ELEVATION, SITE CONDITION ETC. AND REPORT ANY DESCRIPANCIES TO THE SITE MANAGER (ENGINEER) PRIOR TO COMMENCING ANY WORK/FABRICATION.
 9. CONTRACTOR SHALL REFER TO DRAWINGS: 12039-NEC-D10-534 AND D10-536 FOR ALL CROSSINGS.
 10. ALL CABLE PENETRATING BUILDING WALLS & FLOORS SHALL BE COATED WITH FM APPROVED FIRE STOP COATING SUCH AS FLAMEASTIC 77 OR APPROVED EQUAL FOR 3 FEET ON EACH SIDE OF PENETRATION.
 11. DRAWINGS BASED ON CALLON DIETZ SITE PLAN DRAWINGS.
 12. ALL DRAWING REFERENCES PREFIXED WITH 12039-NEC-

LEGEND:

- 34.5kV COLLECTION FEEDER F1 TRENCH
- 34.5kV COLLECTION FEEDER F2 TRENCH
- 34.5kV COLLECTION FEEDER F3 TRENCH
- 34.5kV COLLECTION FEEDER F4 TRENCH
- 34.5kV COLLECTION FEEDER F5 TRENCH
- 34.5kV COLLECTION FEEDER F6 TRENCH
- 34.5kV COLLECTION FEEDER F7 TRENCH
- MET TOWER TRENCH

DRAWING REFERENCE PREFIXED BY 12039-NEC-
DETAIL REFERENCE, SECTION #

MVJB = MEDIUM VOLTAGE JUNCTION BOX
MES = METAL ENCLOSED SWITCHGEAR

REV.	DATE	DESCRIPTION	MW	KP
A	28/11/13	REVISED LAYOUT AND MES LOCATIONS		
REVISIONS				

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NEXTERA ENERGY
CANADA

CLIENT: NEXTERA ENERGY CANADA

TITLE: JERICO 34.5kV COLLECTOR SYSTEM
WTG 102 & 103
UNDERGROUND CABLE LAYOUT

DRAWN BY: B.BREWSTER	CHECKED BY: M.WASAY	APPROVED BY: K.PATEL	SHEET No.
SCALE: NTS	DATE: 25/11/13	DWG. No. 12039-NEC-D10-532	REV. A

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