PLS-CADD DRAWING

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

STR 195 - STR 398
(SOUTH DAKOTA)

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

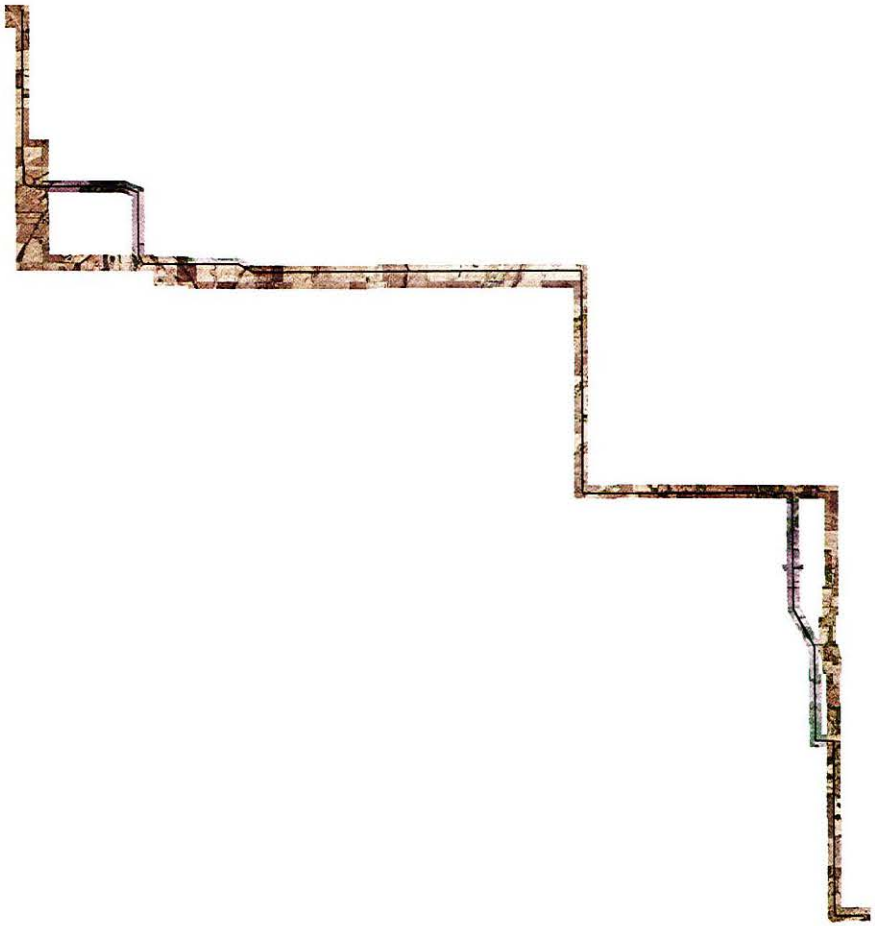
COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

DWG. NO.
BSSE-PP-102-1
REVISION: 2

136508



20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

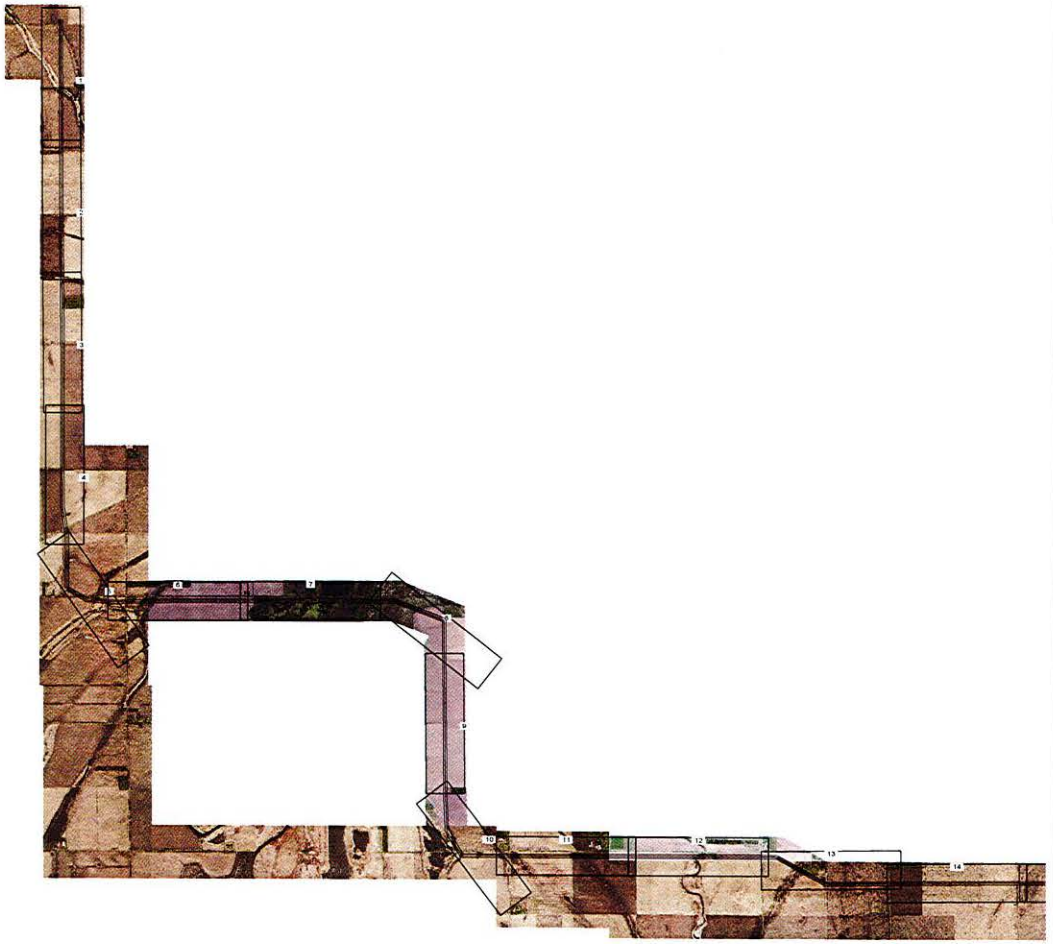
CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

DWG. NO.
BSSE-PP-102-2
REVISION: 2
136508



20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

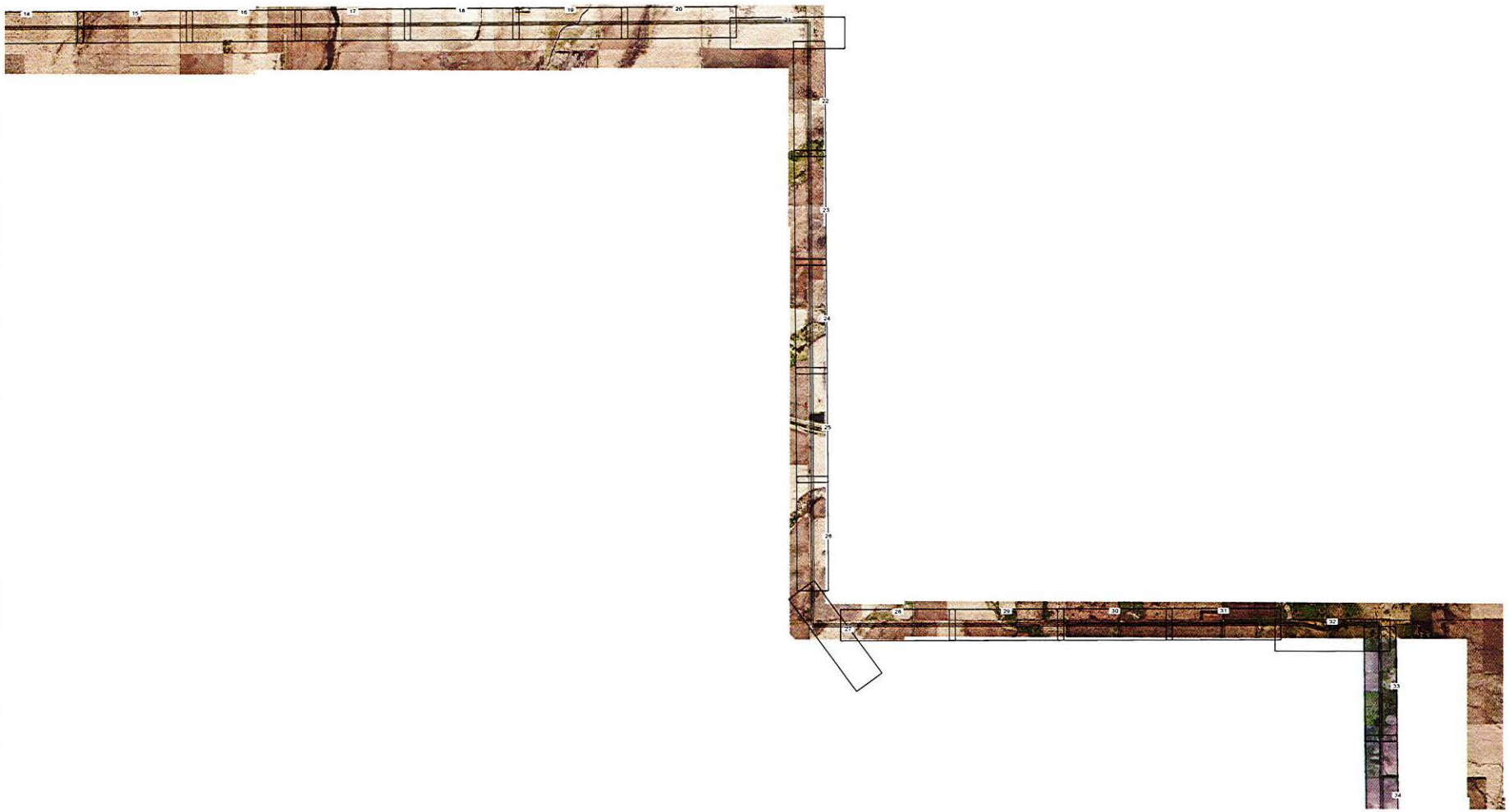
COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

NORTH

DWG. NO.
BSSE-PP-102-3
REVISION: 2
136508



20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

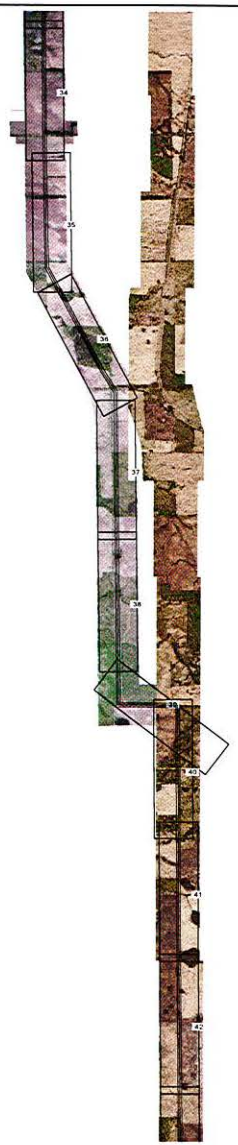
COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS-E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

NORTH

DWG. NO.
BSSE-PP-102-4
REVISION: 2
136508



20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

NORTH

DWG. NO.
BSSE-PP-102-5
REVISION: 2
136508



20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

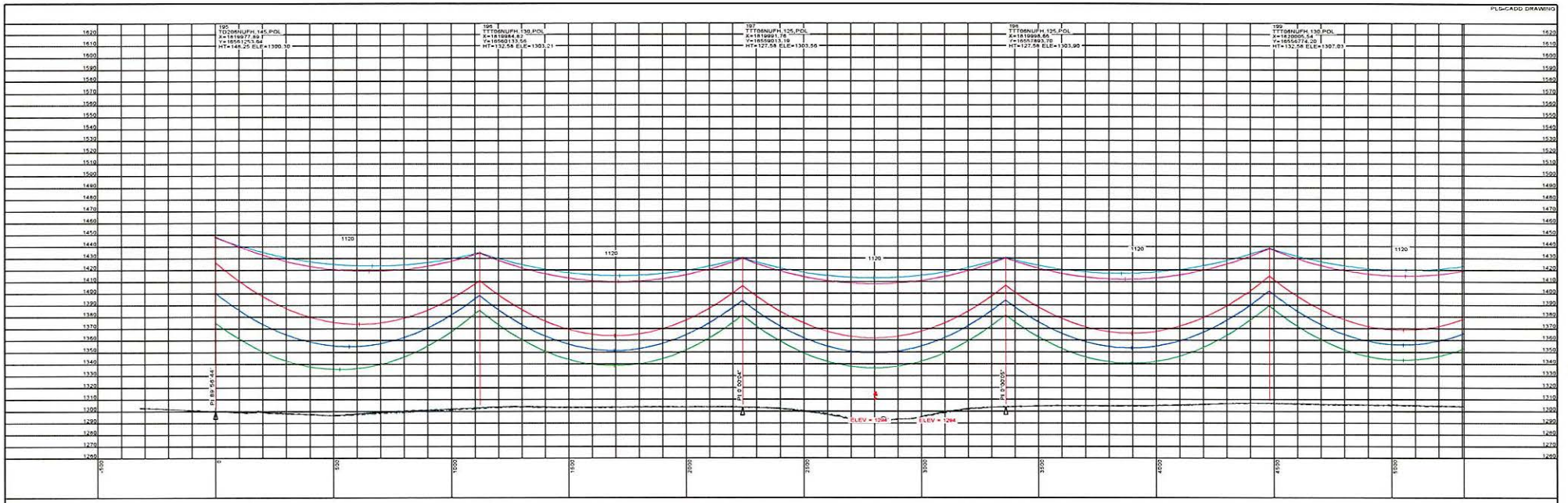
BSS+E
Big Stone South to Ellendale

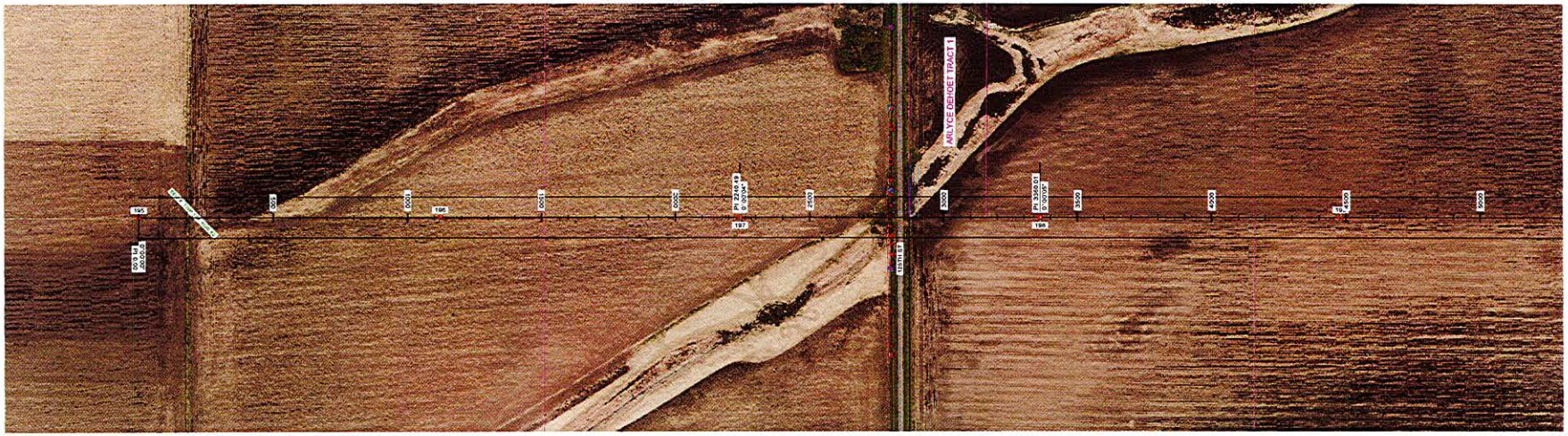
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

NORTH

DWG. NO.
BSSE-PP-102-6
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 195 - 199

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

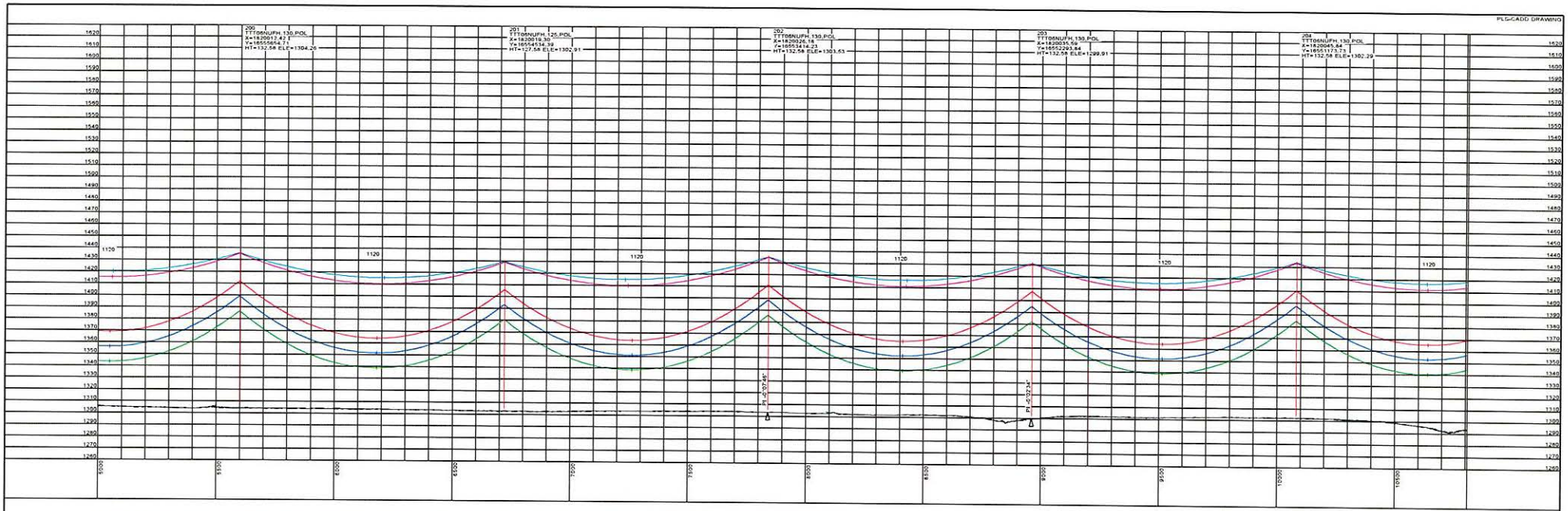
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

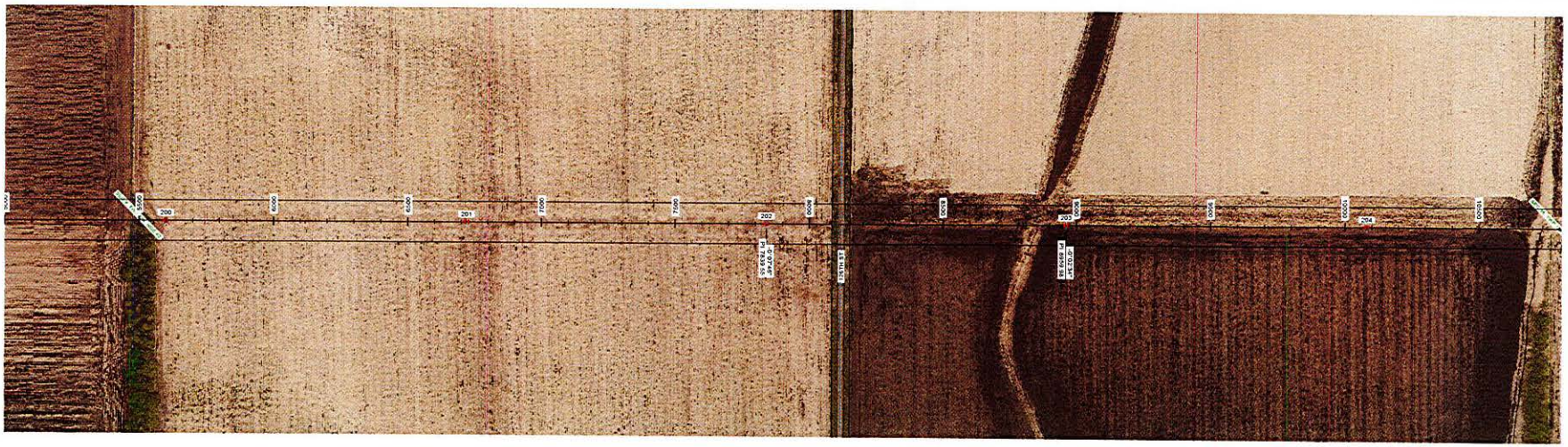
200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-7
REVISION: 2

136508

PLS-CADD DRAWING





STRS: 200 - 204

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DSN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

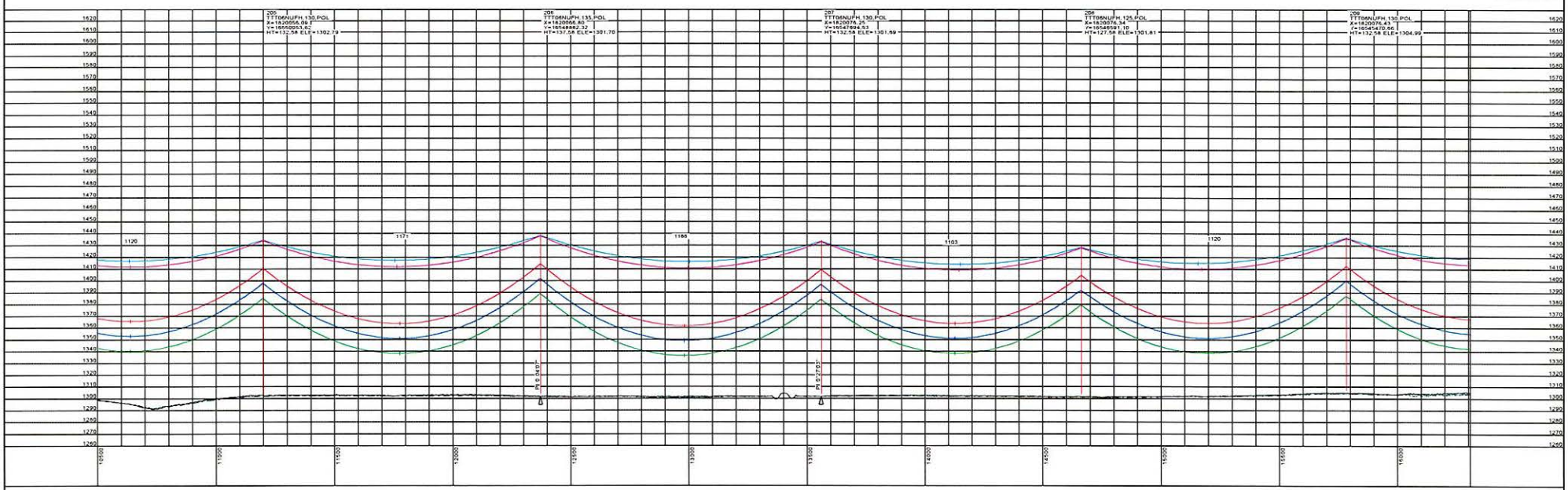
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-R
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 205 - 209

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS-E
Big Stone South to Ellendale

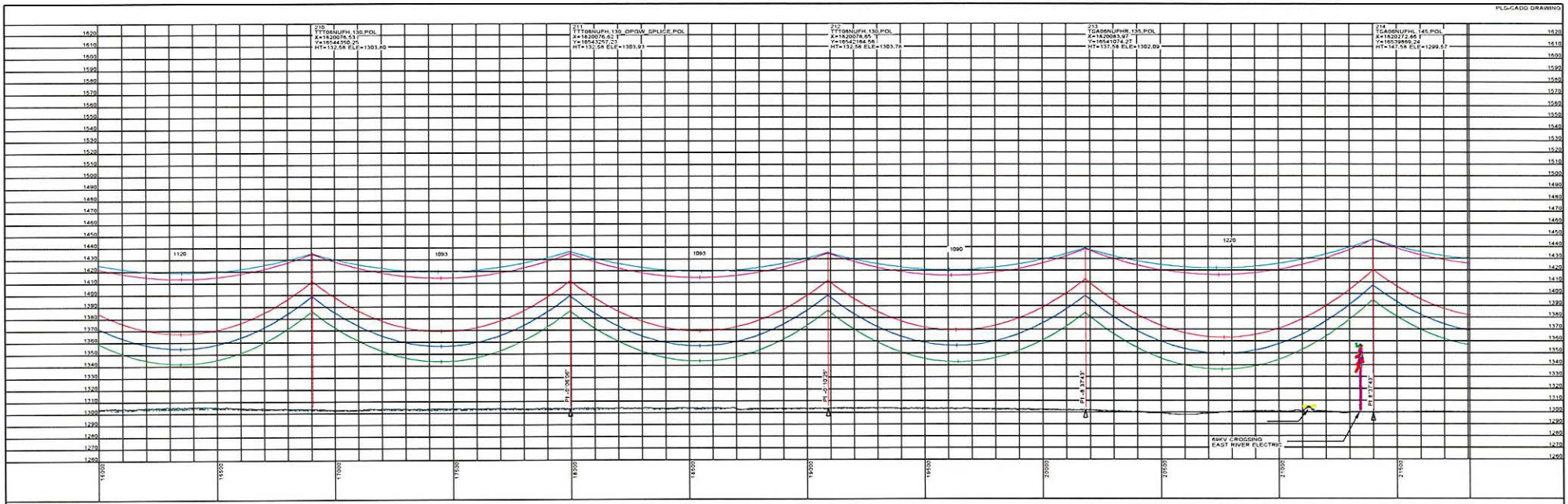
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

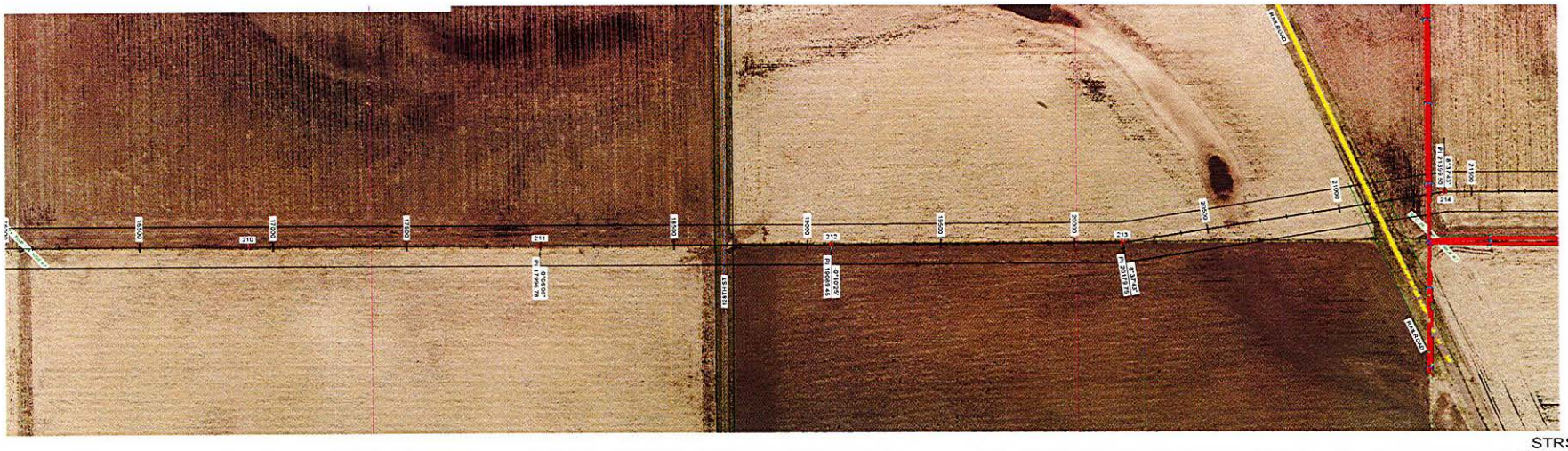
200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-9
REVISION: 2

136508

PLS-CADD DRAWING





STRS: 210 - 214

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REV	DESCRIPTION	DWN	DSN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

REVISIONS

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

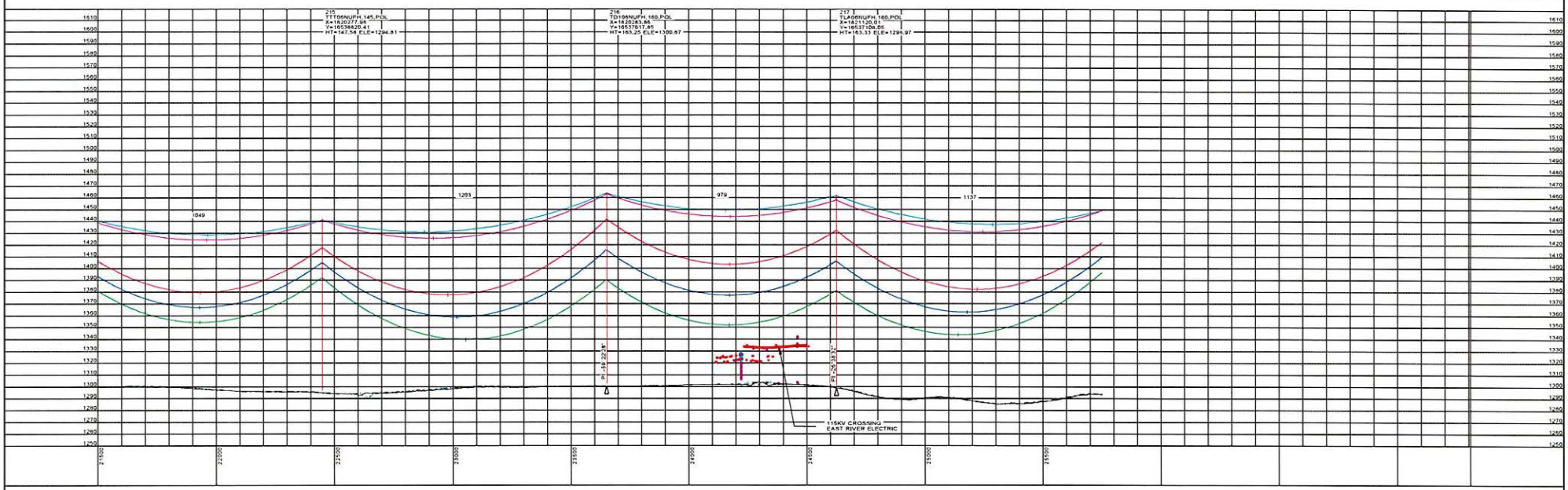
BSS+E
Big Stone South to Ellendale

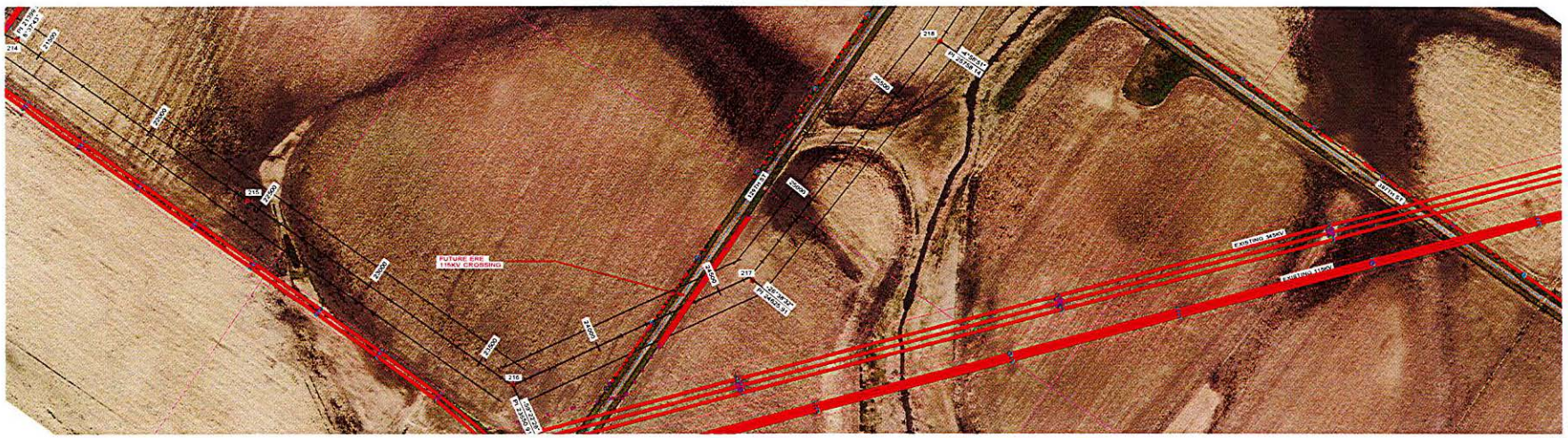
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-10
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 215 - 217

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

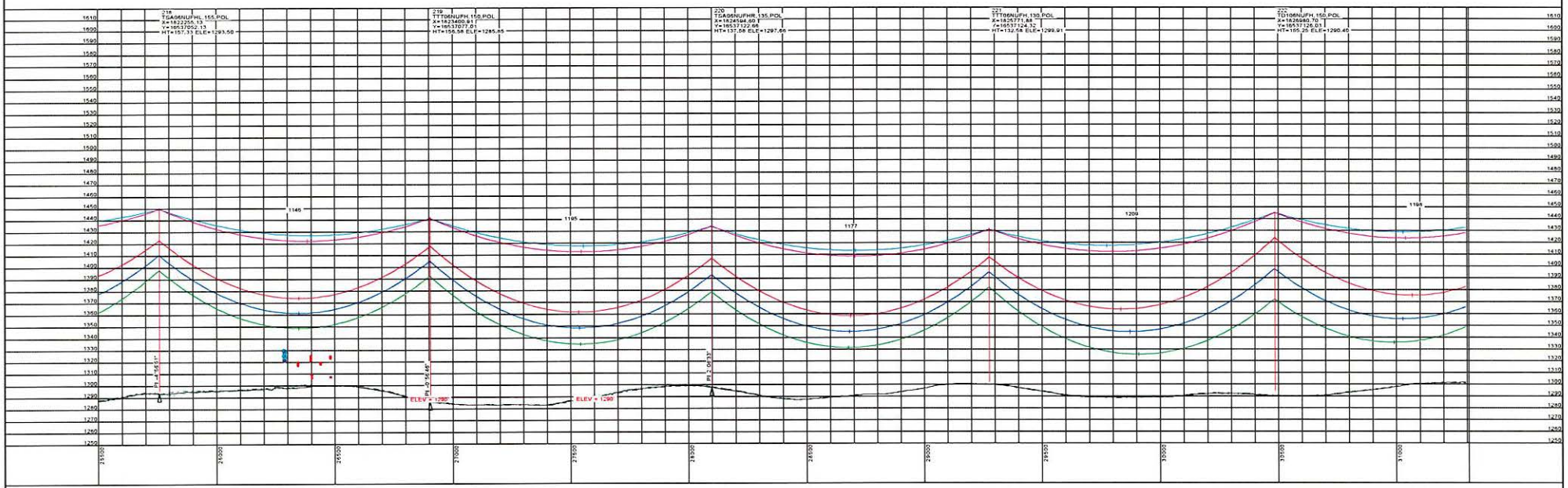
BSS+E
Big Stone South to Ellendale

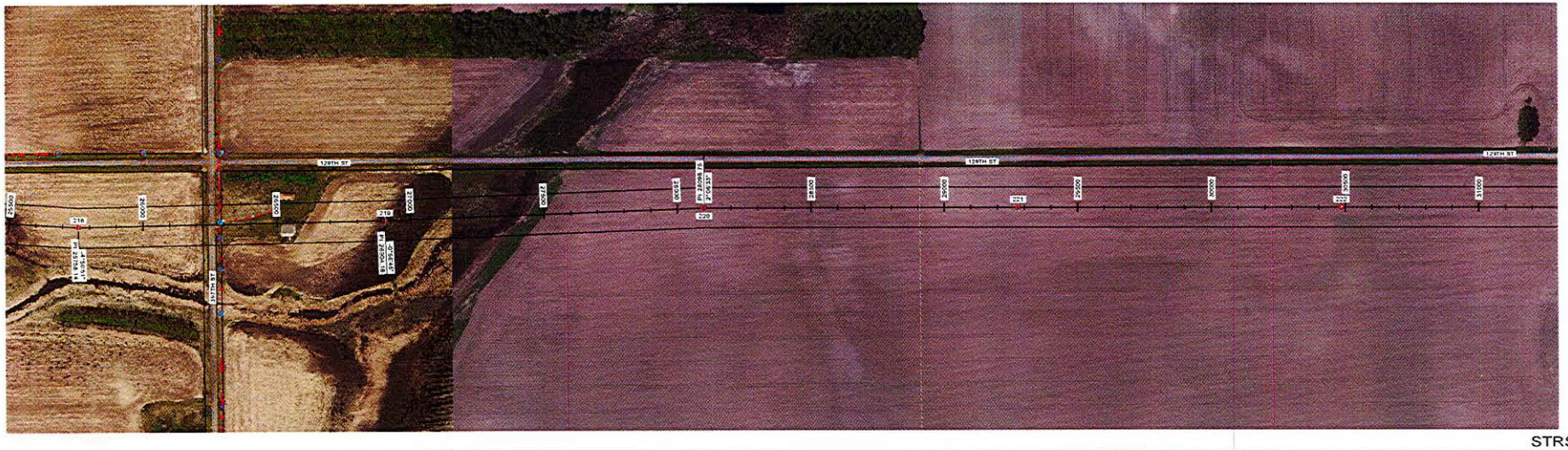
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-11
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 218 - 222

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

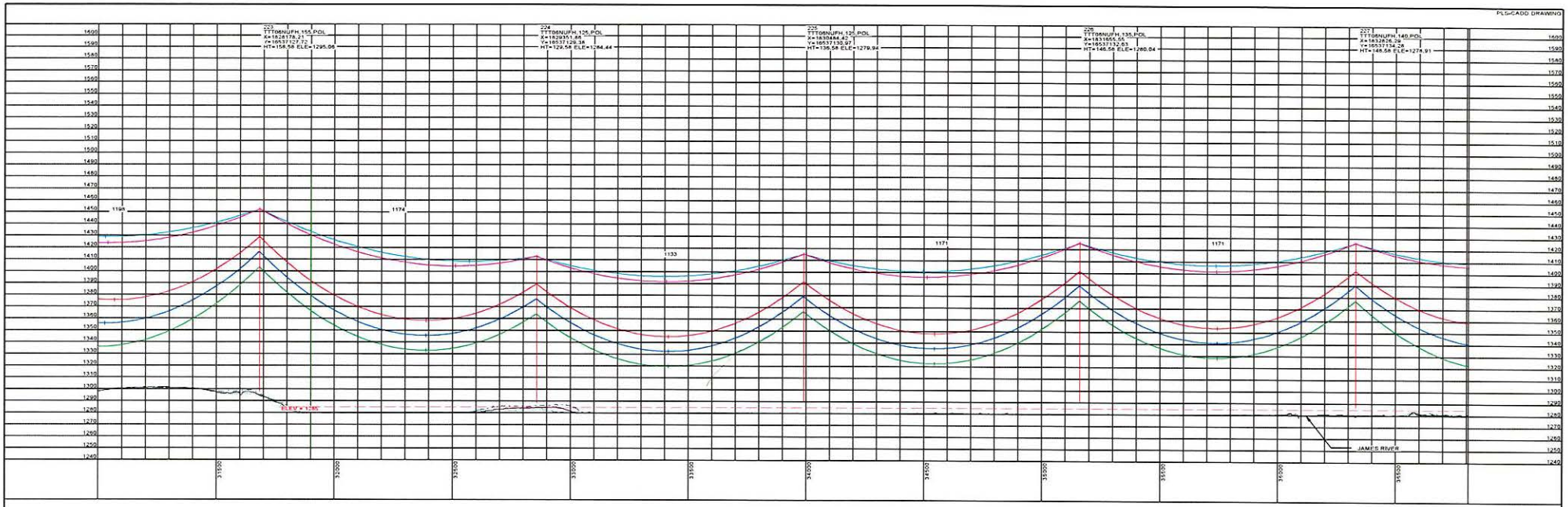
COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-12
REVISION: 2
136508





STRS: 223 - 227

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

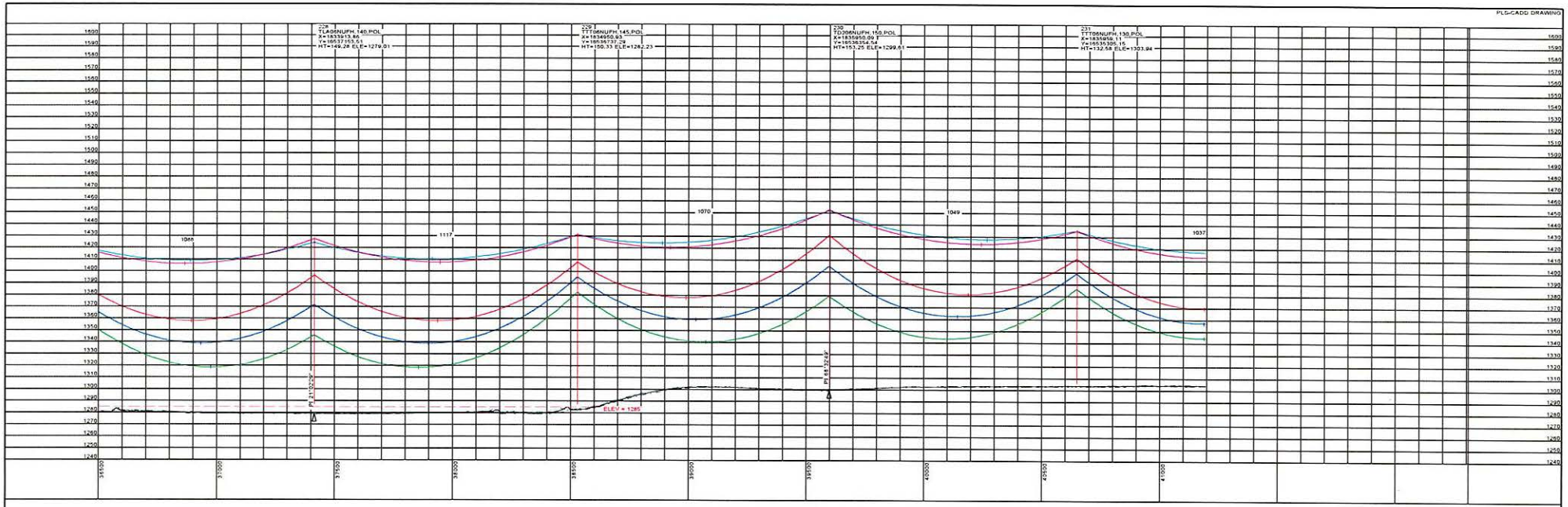
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-13
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 228 - 231

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

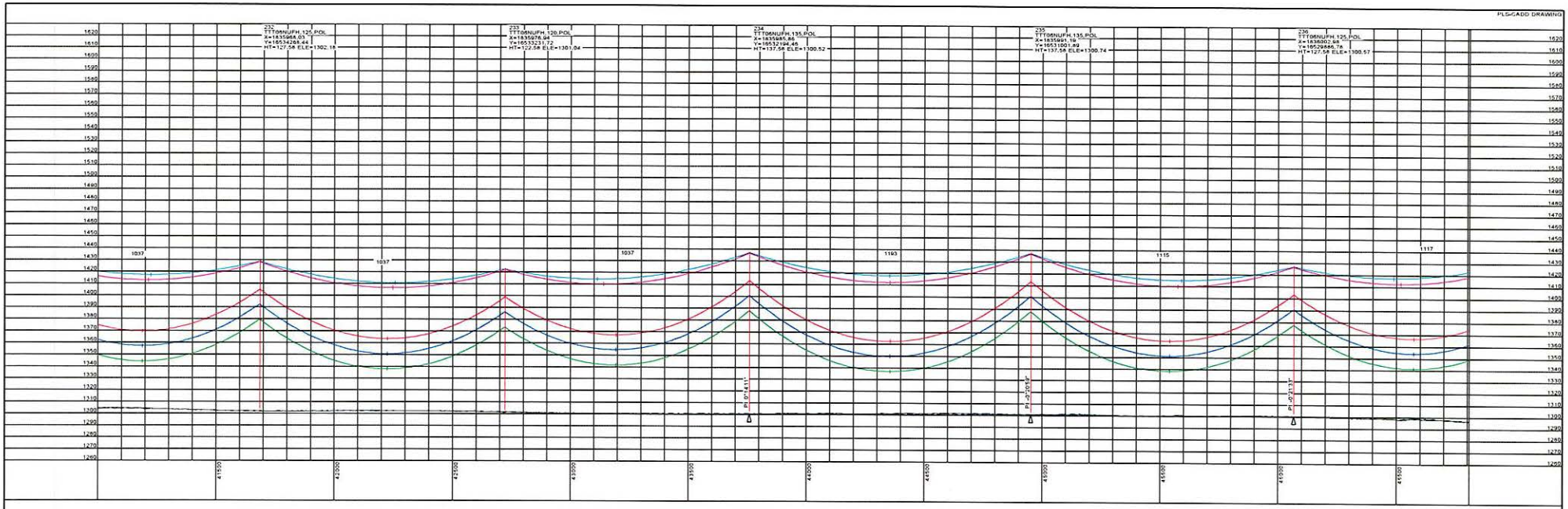
BSS+E
Big Stone South to Ellendale

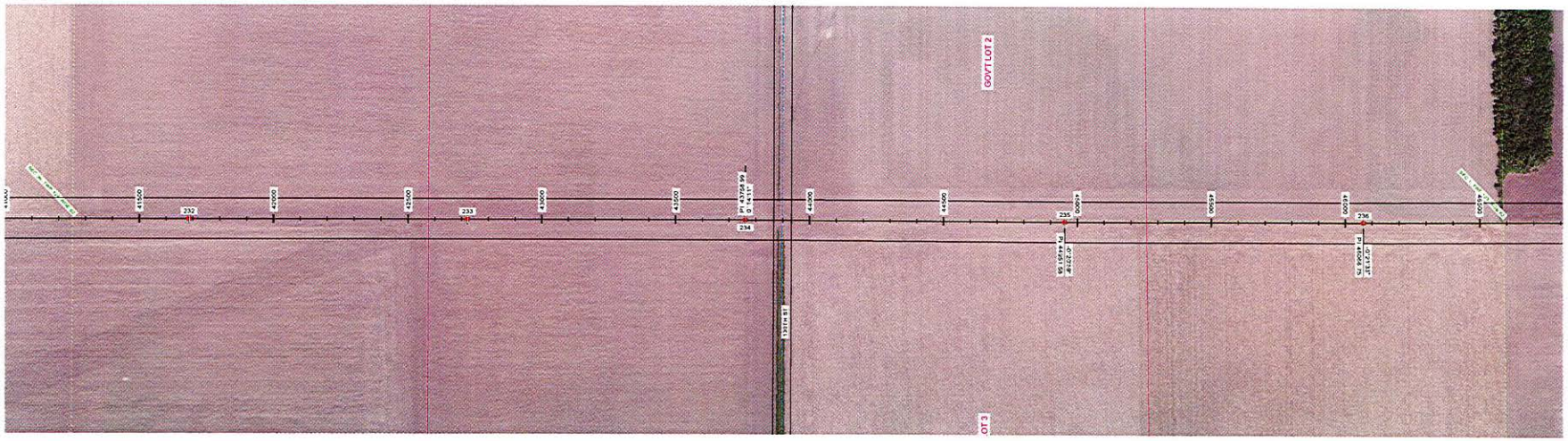
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-14
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 232 - 236

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

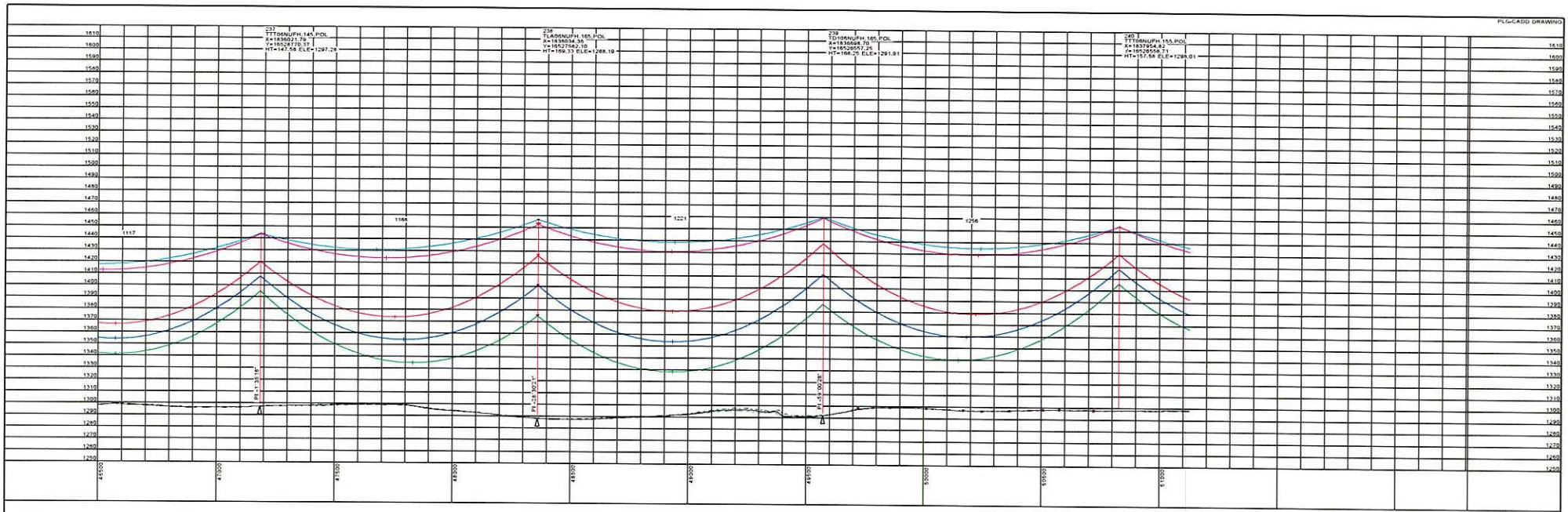
COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-15
REVISION: 2
136508





STRS: 237 - 240

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

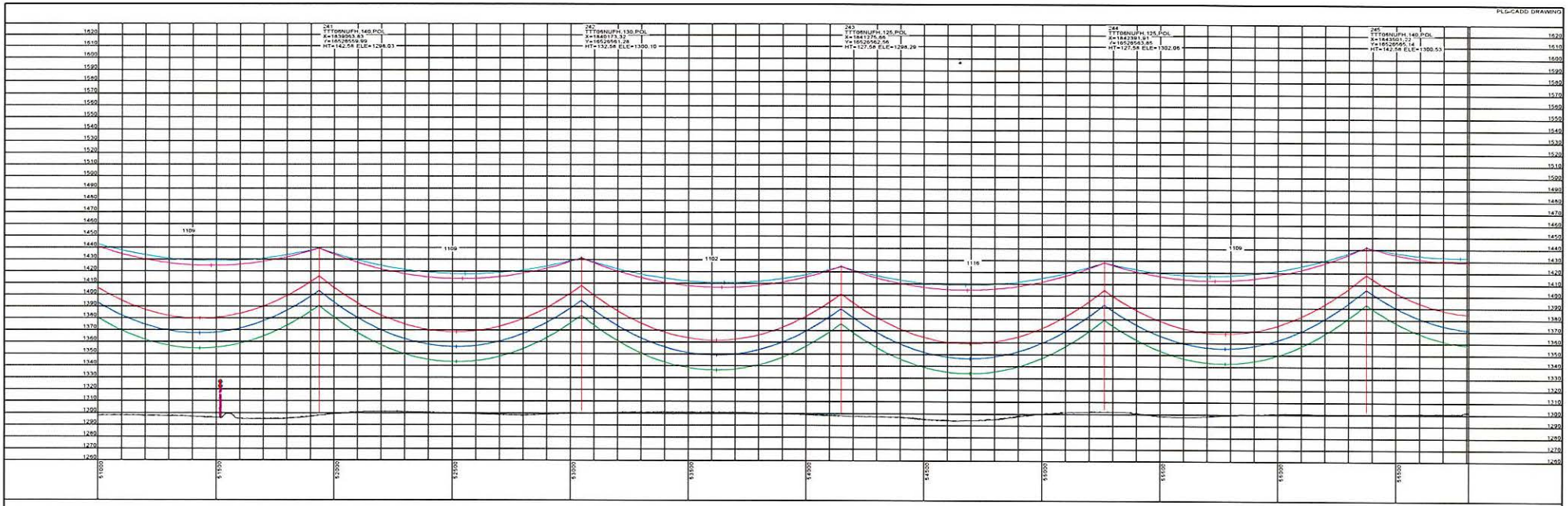
BSS+E
Big Stone South to Ellendale

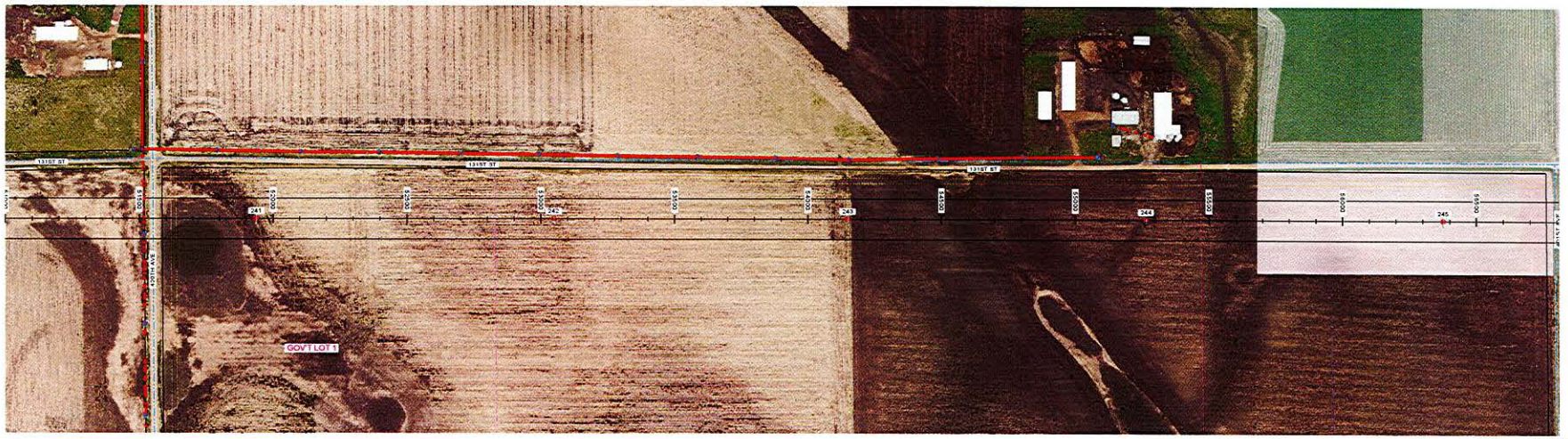
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-16
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 241 - 245

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

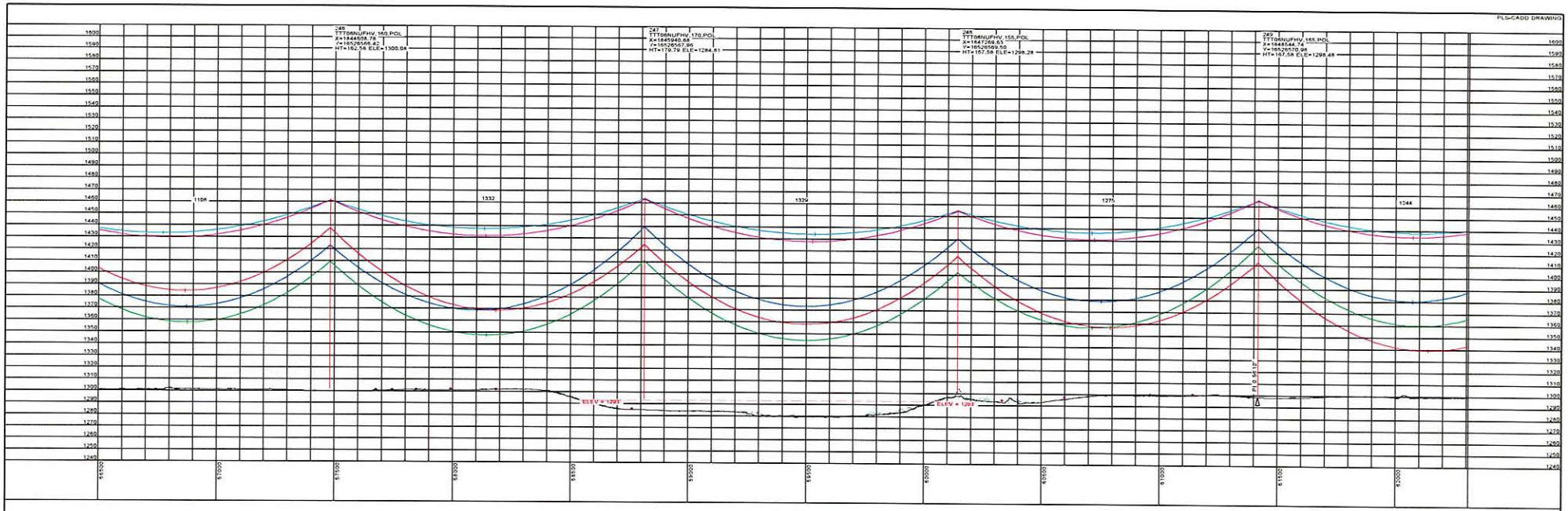
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-17
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 246 - 249

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

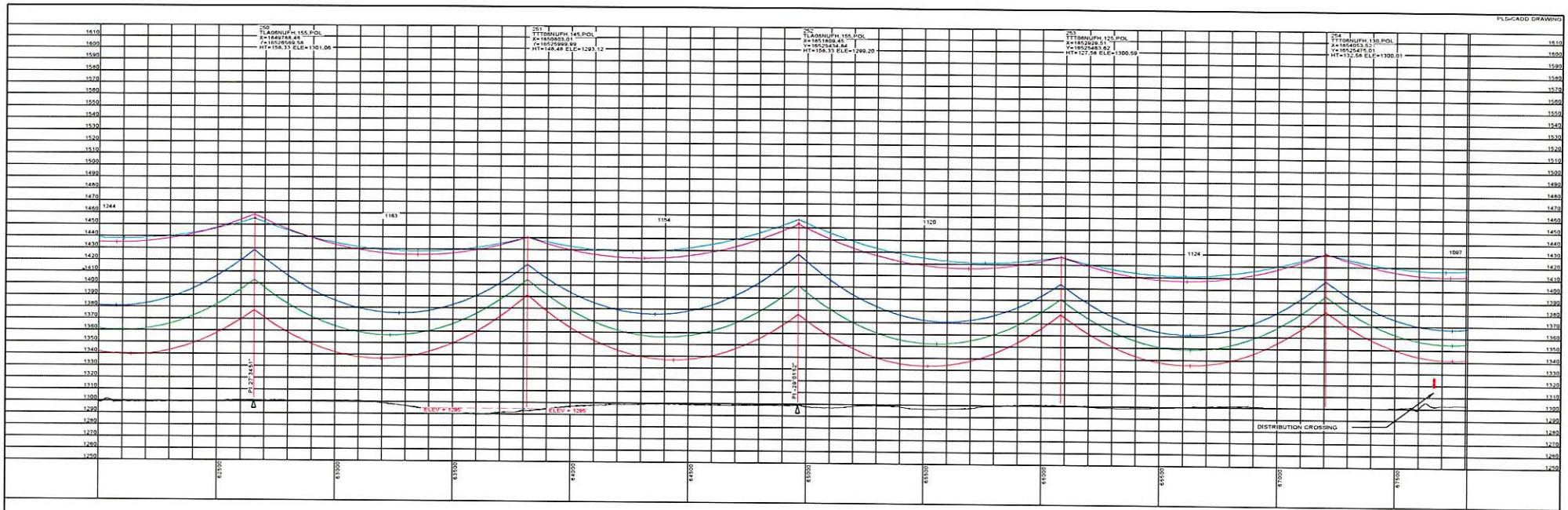
COORDINATE SYSTEM: UTM ZONE 14N, US FT

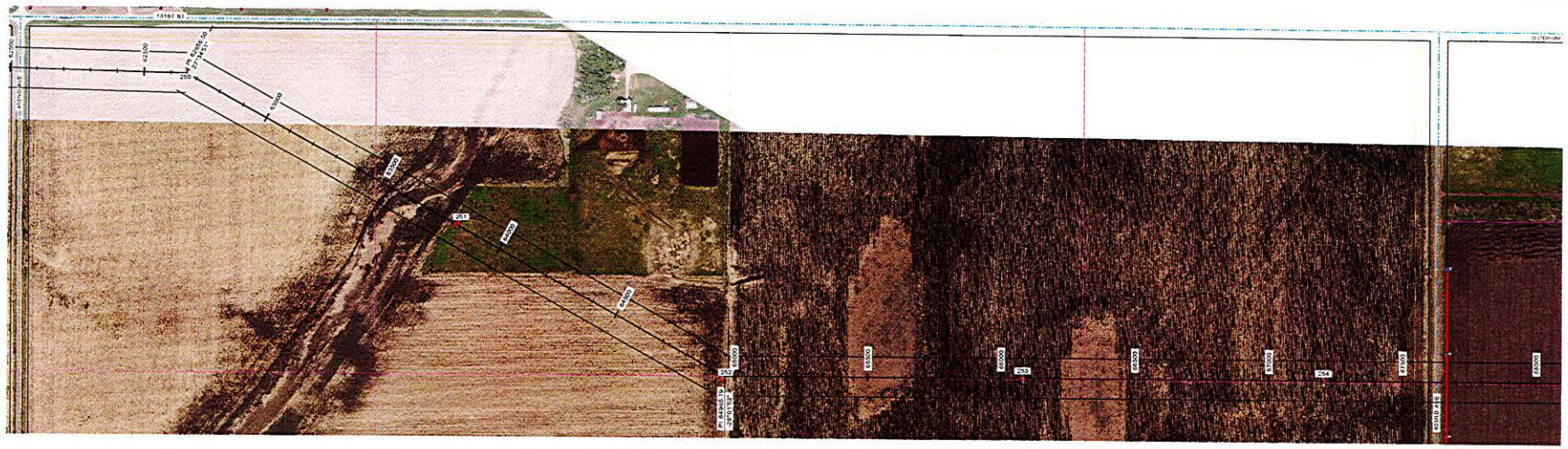
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-18
REVISION: 2
136508





STRS: 250 - 254

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS						
REV	DESCRIPTION	DWN	DGN	CHK	DATE	
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19	

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

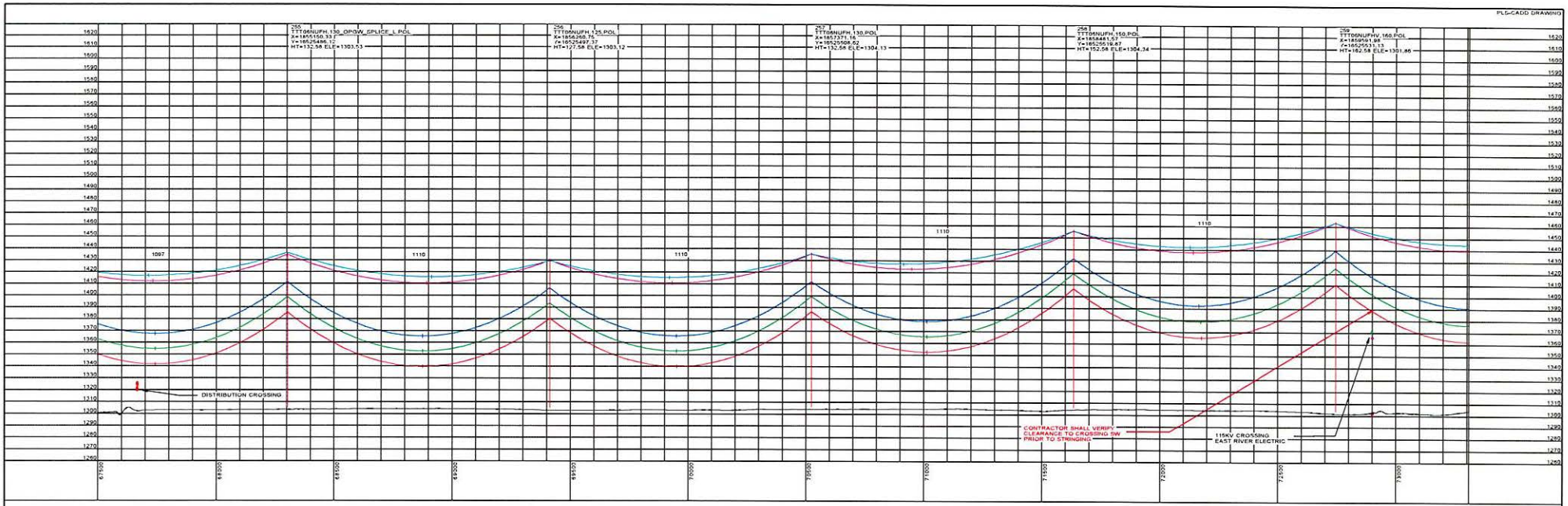
BSS-E
Big Stone South to Ellendale

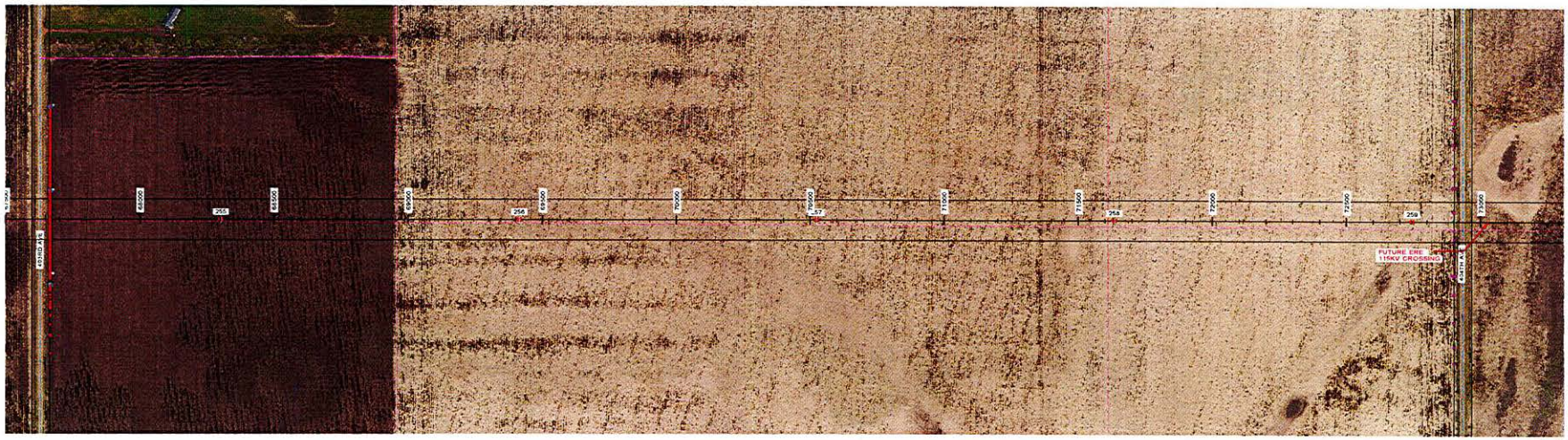
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-19
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 255 - 259

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

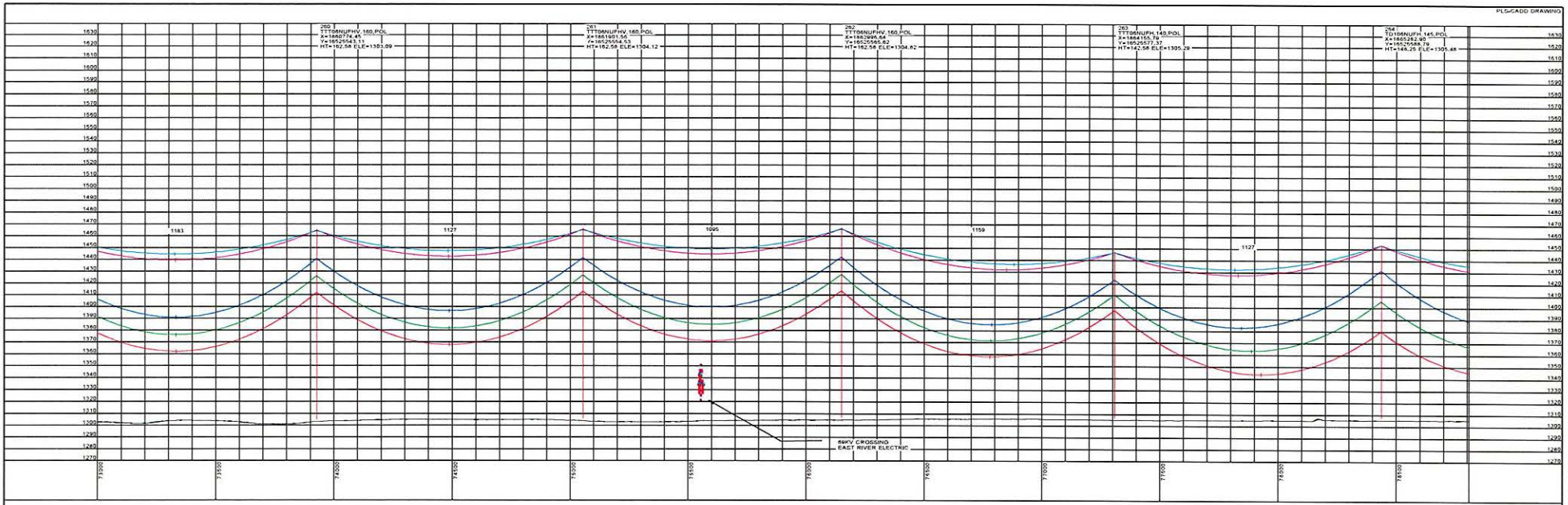
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-20
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 260 - 264

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

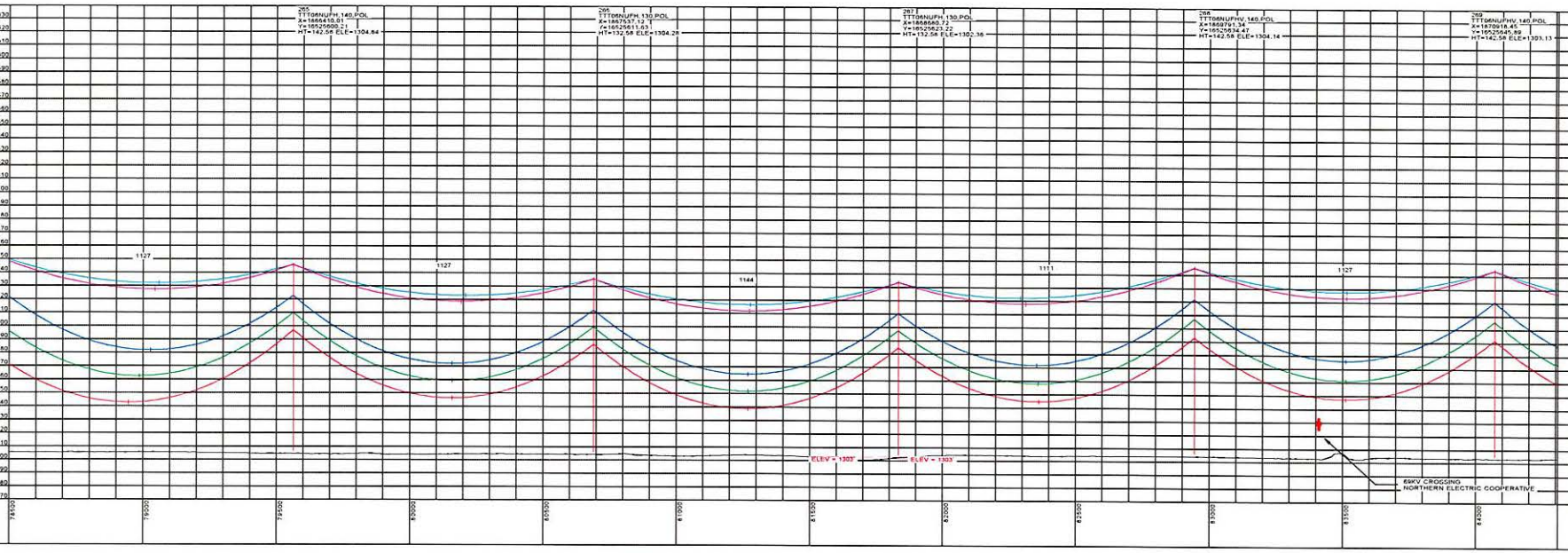
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

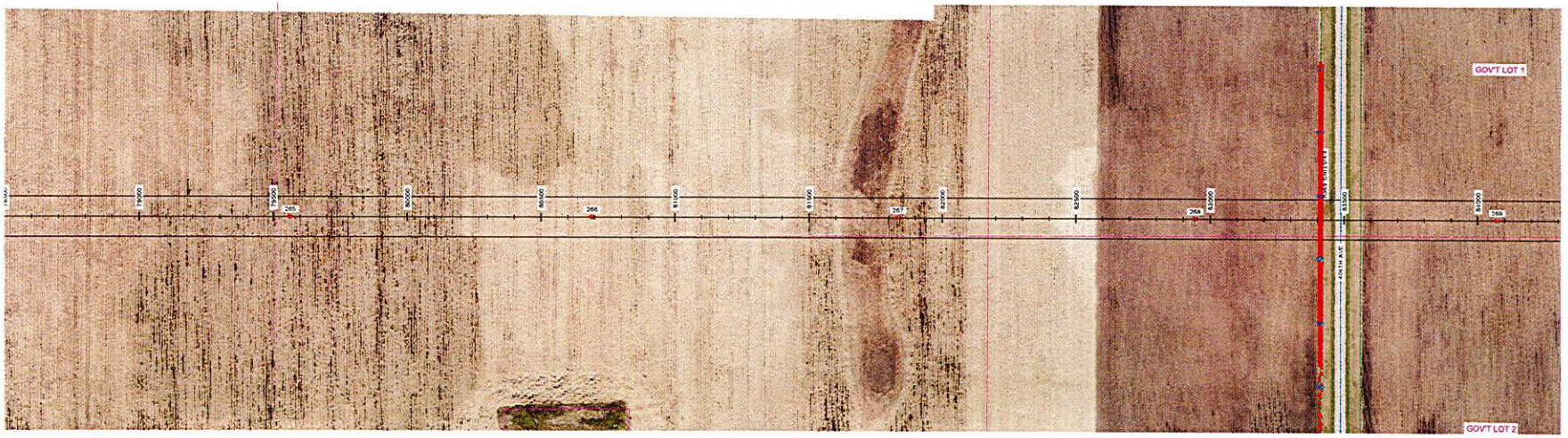
200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-21
REVISION: 2

136508

PLS-CADD DRAWING





STRS: 265 - 269

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DON	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

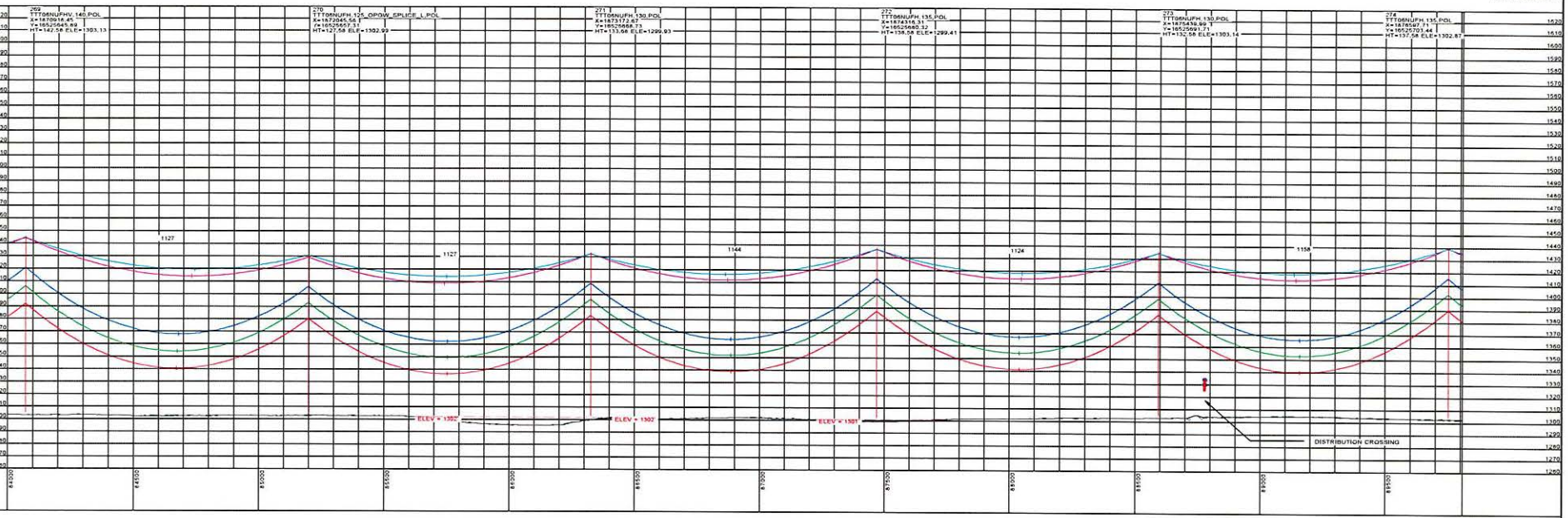
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-22
REVISION: 2

136508

PLS-CADD DRAWING





STRS: 269 - 274

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REV	DESCRIPTION	DWN	DSN	CHK	DATE
	REVISIONS				
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

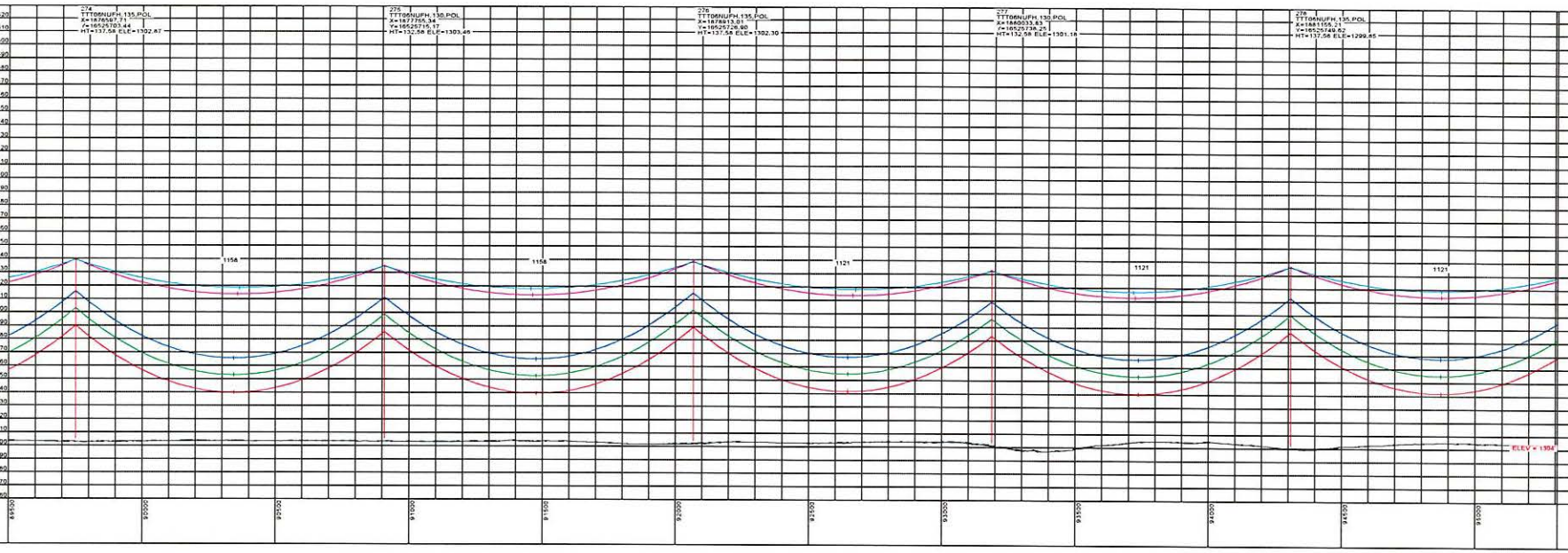
BSS+E
Big Stone South to Ellendale

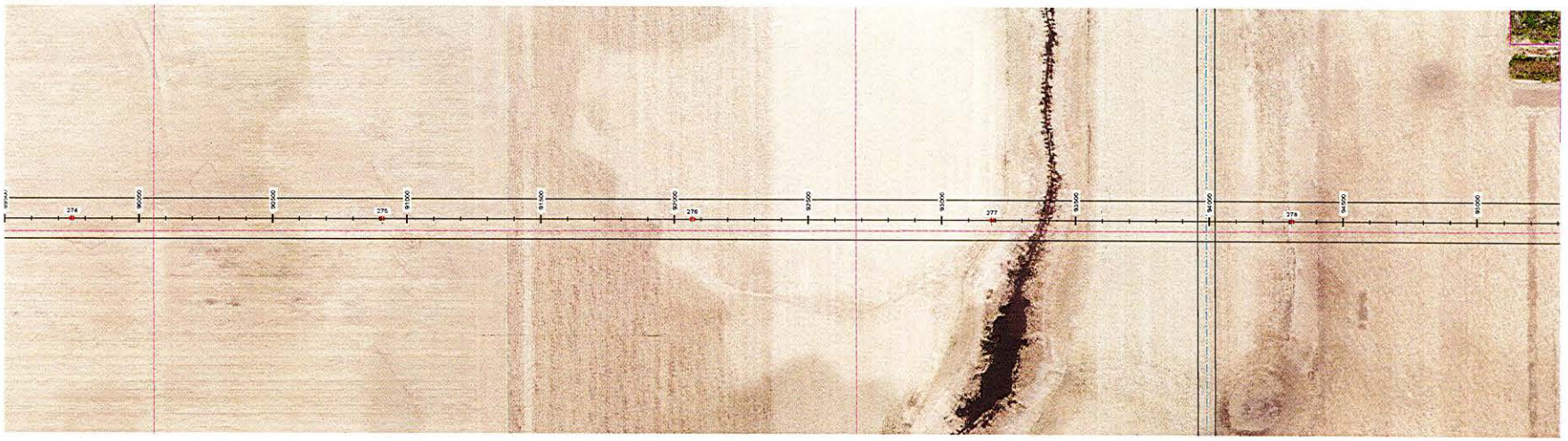
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-23
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 274 - 278

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS						
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19	
REV	DESCRIPTION	DWN	DGN	CHK	DATE	

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

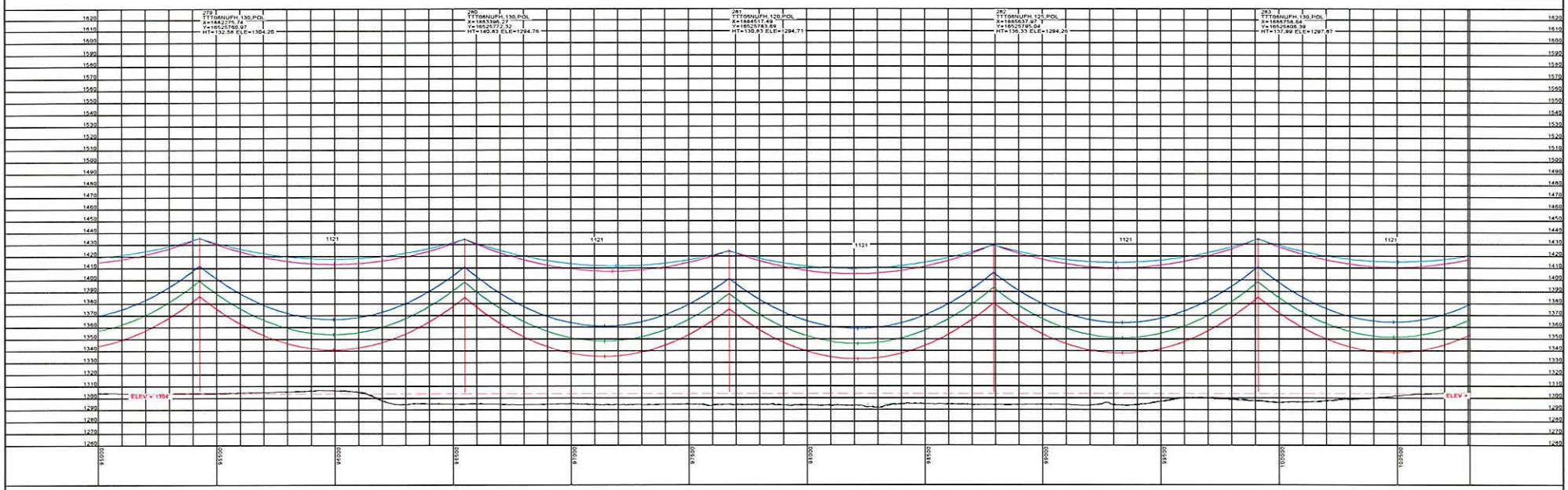
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

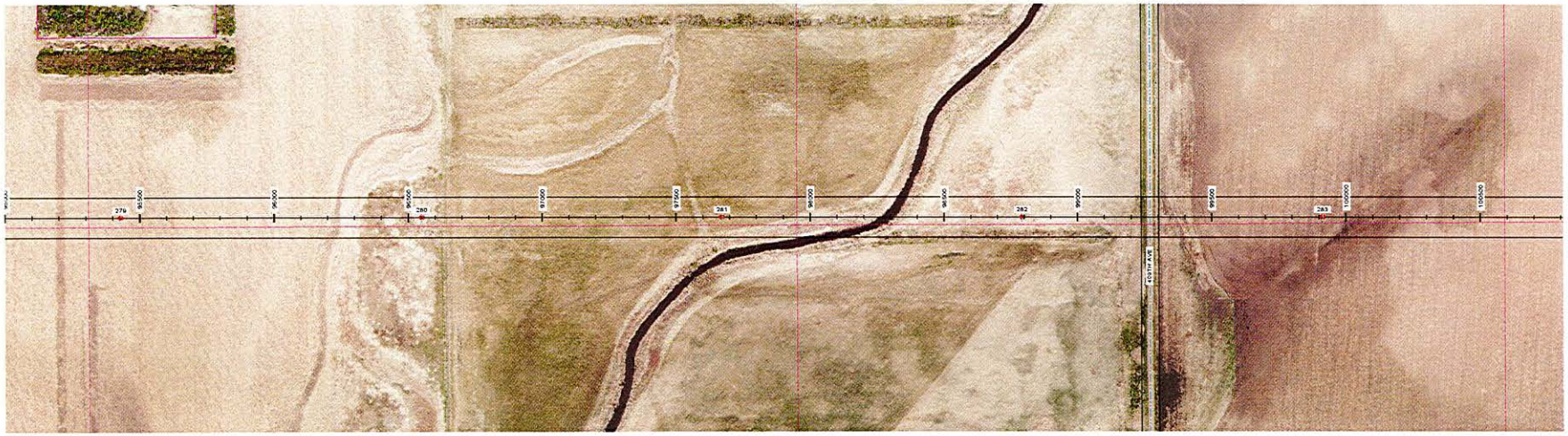
200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-24
REVISION: 2

136508

PLS-CADD DRAWING





STRS: 279 - 283

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

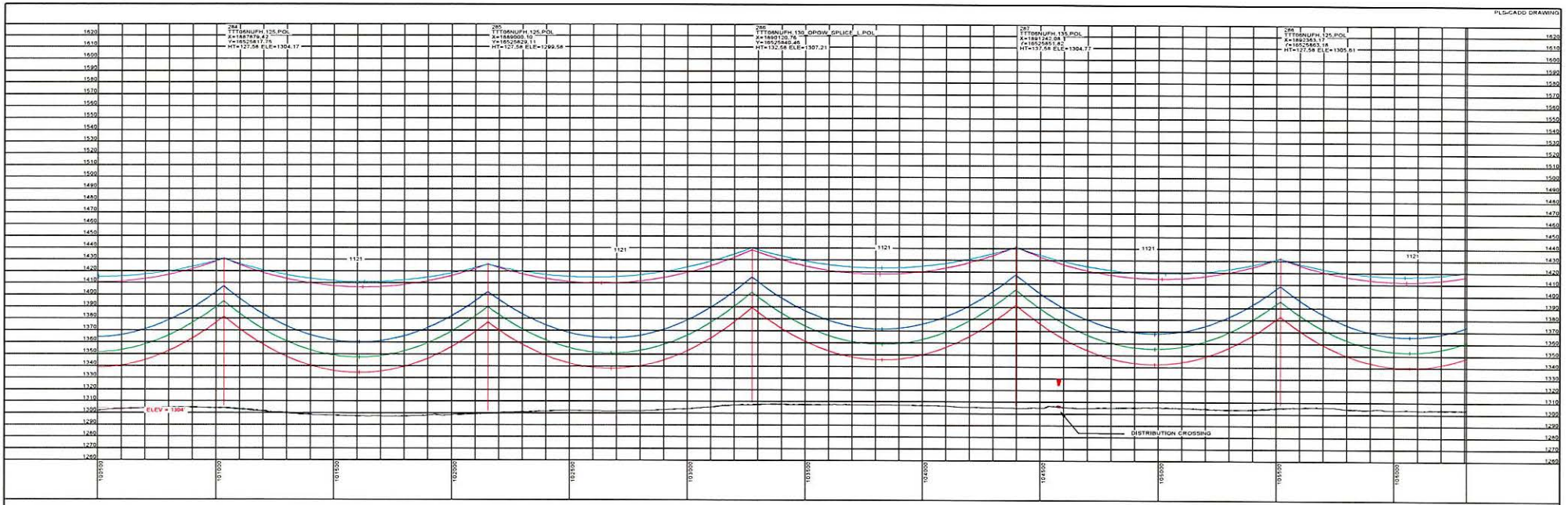
BSS+E
Big Stone South to Ellendale

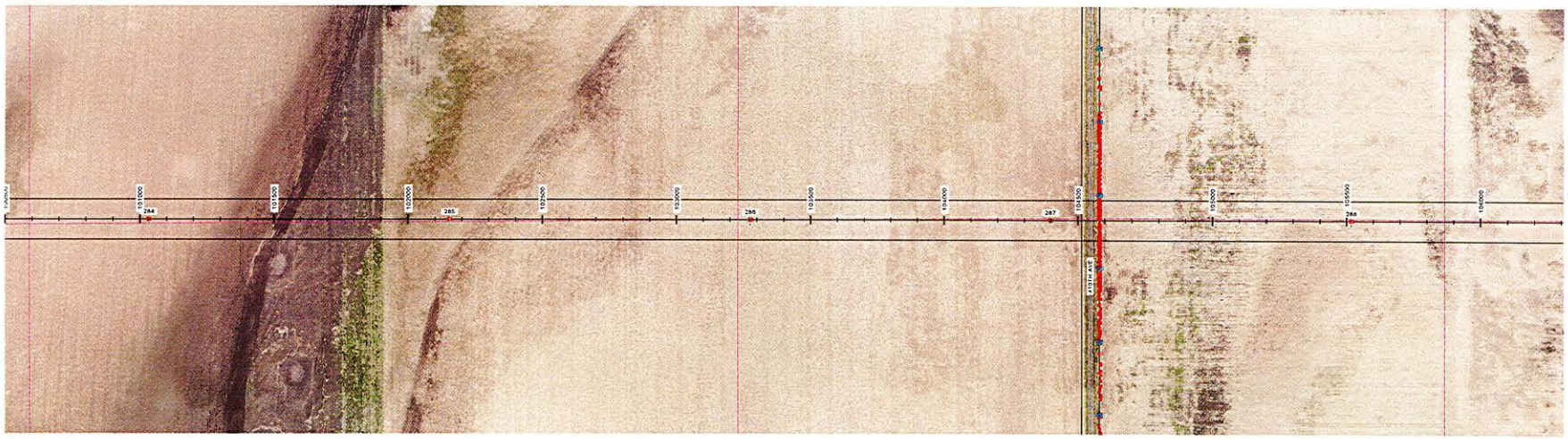
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-25
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 284 - 288

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

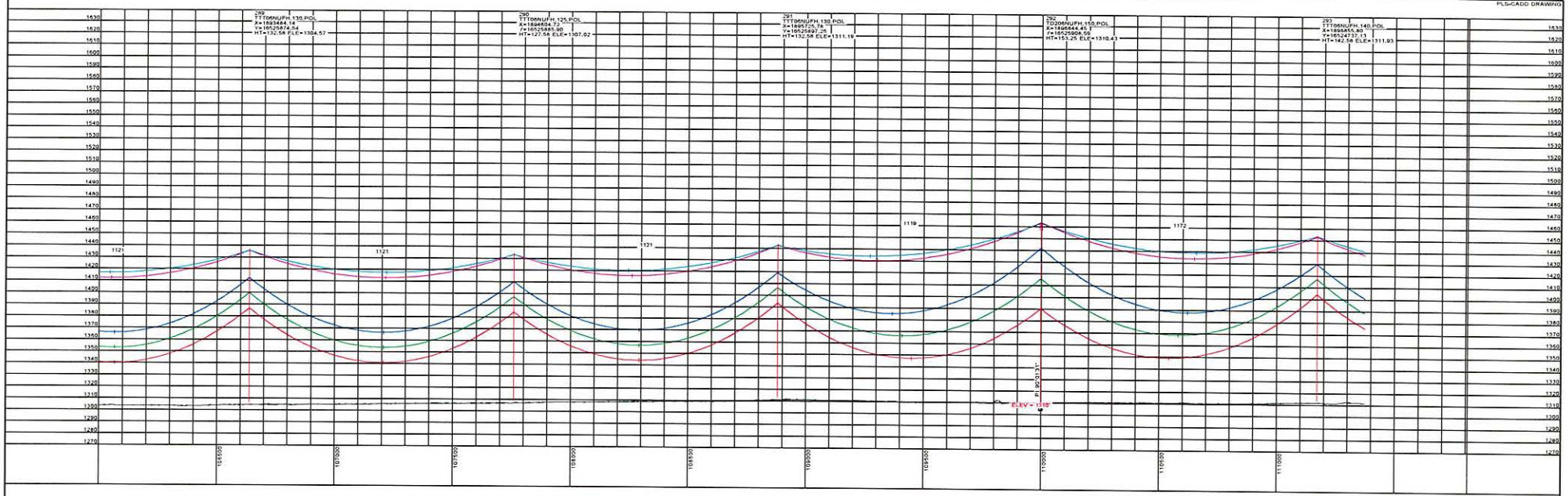
BSSE Big Stone South to Ellendale

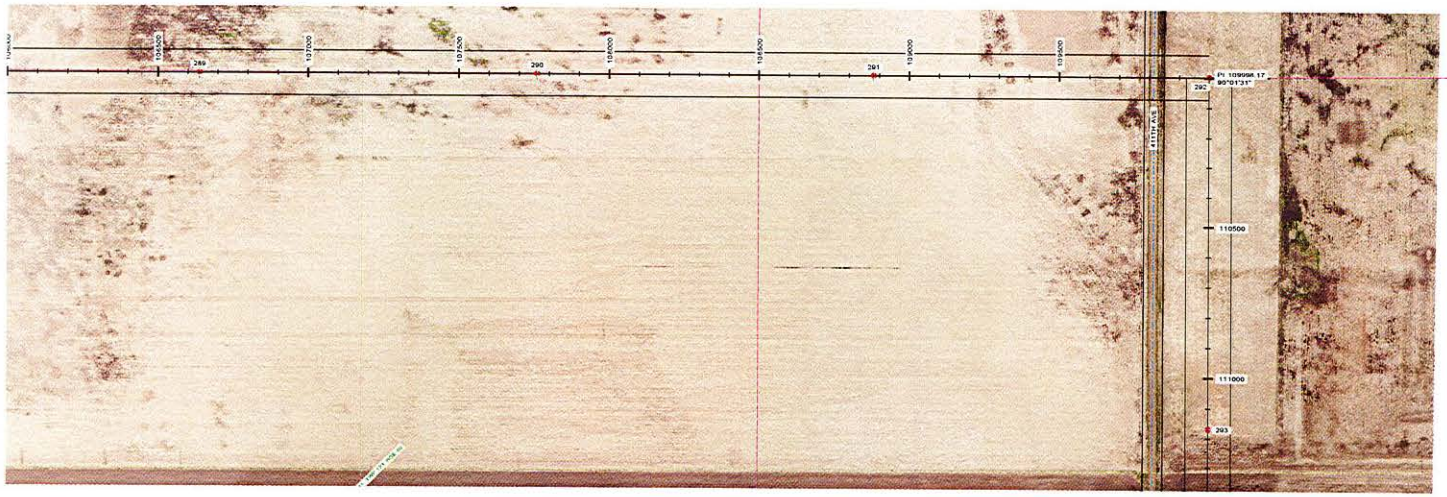
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-26
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 289 - 293

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

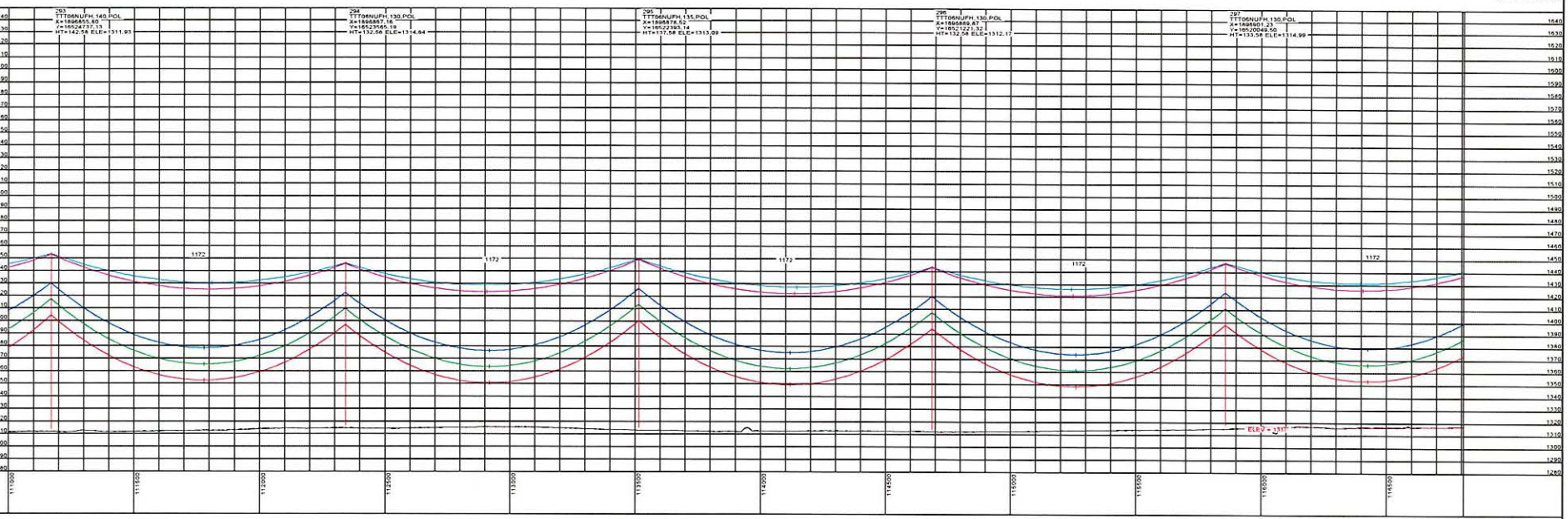
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-27
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 293 - 297

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

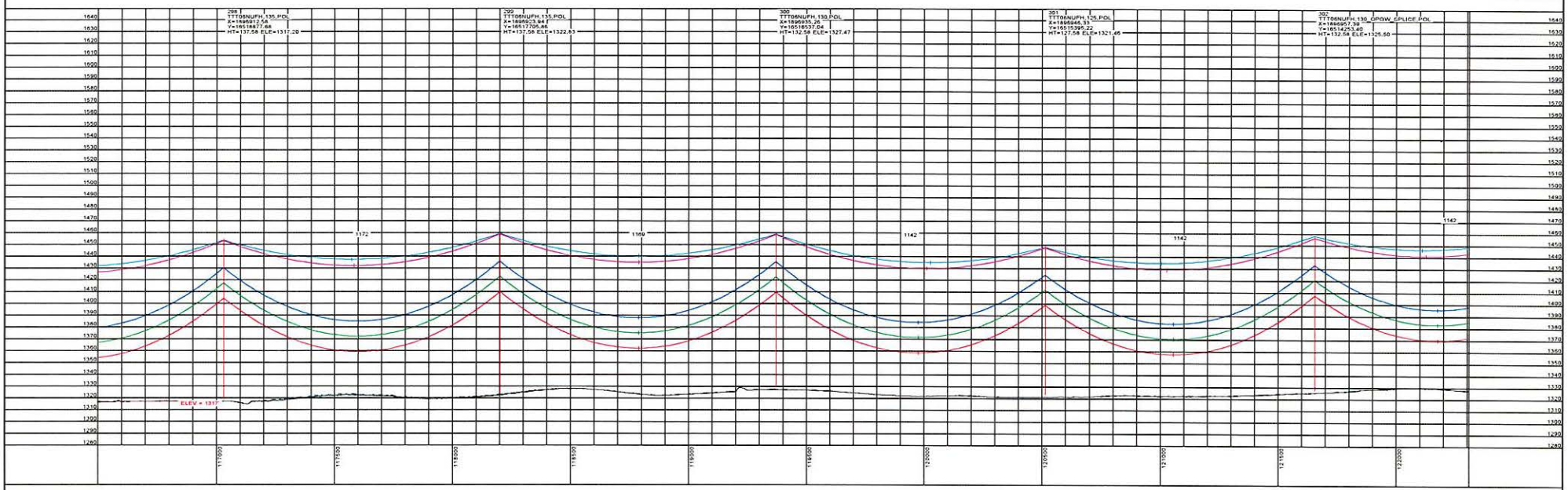
BSS+E
Big Stone South to Ellendale

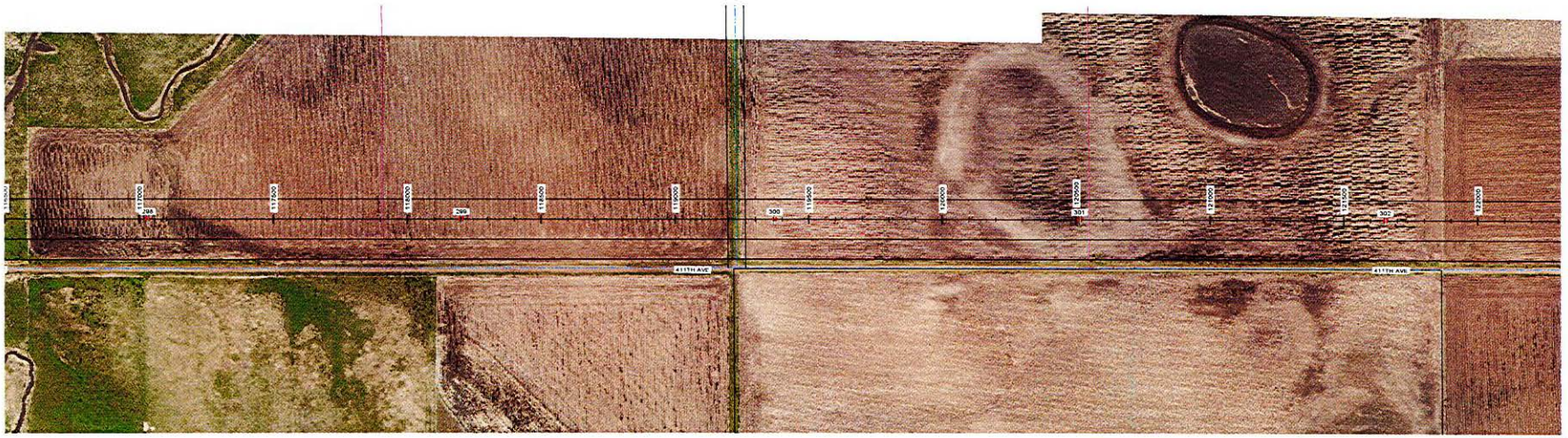
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-28
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 298 - 302

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE	DESIGN DATA
DRAWN BY: GMD	02/03/17	CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL OPGW: 1-DN0-10523
DESIGN BY: GMD	02/03/17	
CHECKED BY: JPW	02/03/17	
APPROVED BY: DJF	02/03/17	COORDINATE SYSTEM: UTM ZONE 14N, US FT

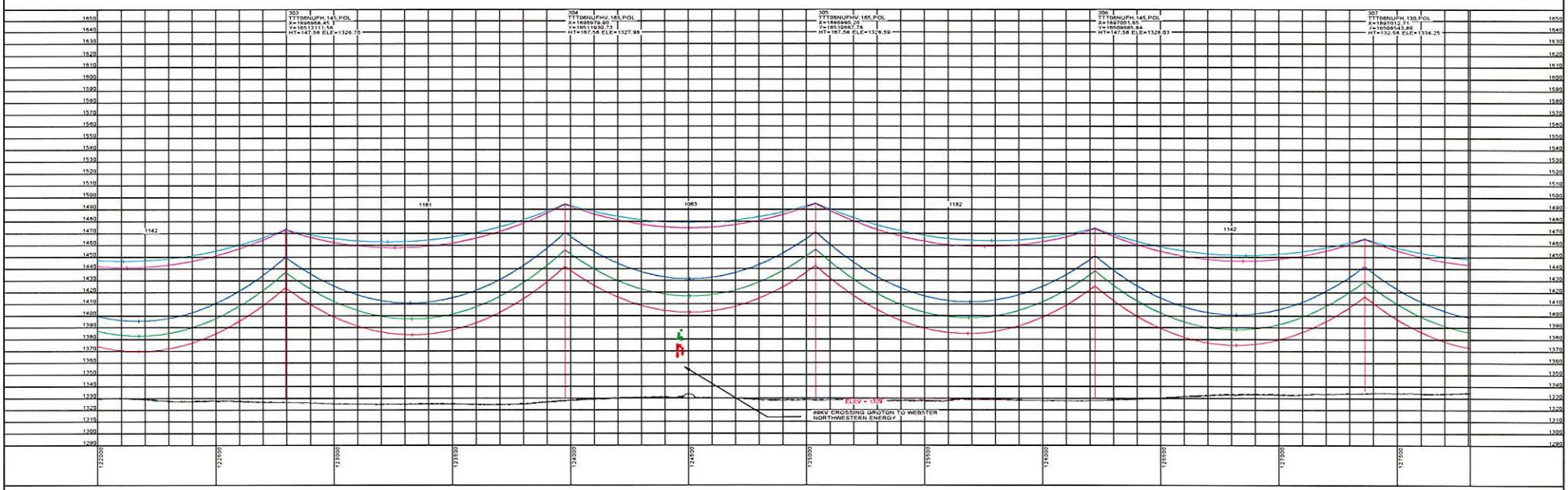
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-29
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 303 - 307

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

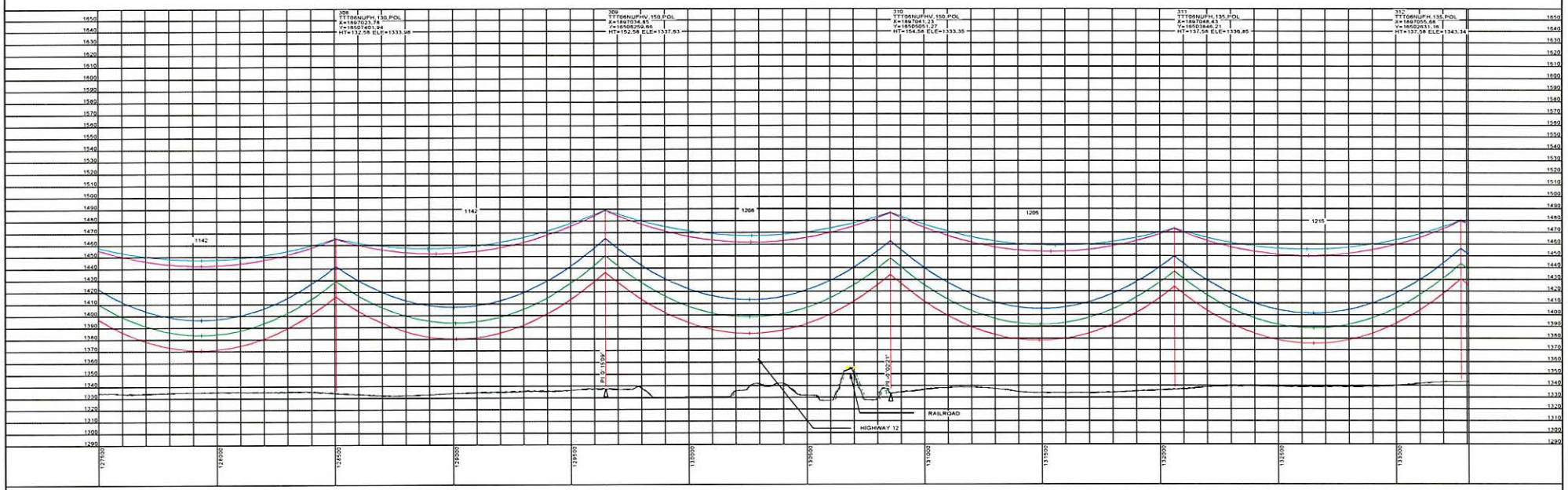
BSS-E
Big Stone South to Ellendale

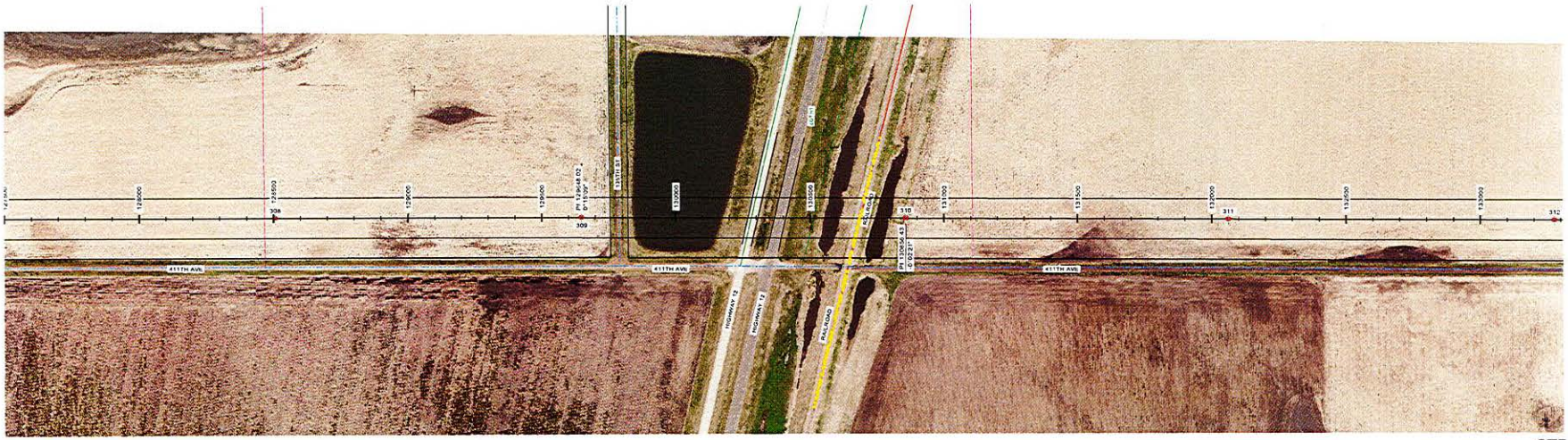
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-30
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 308 - 312

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

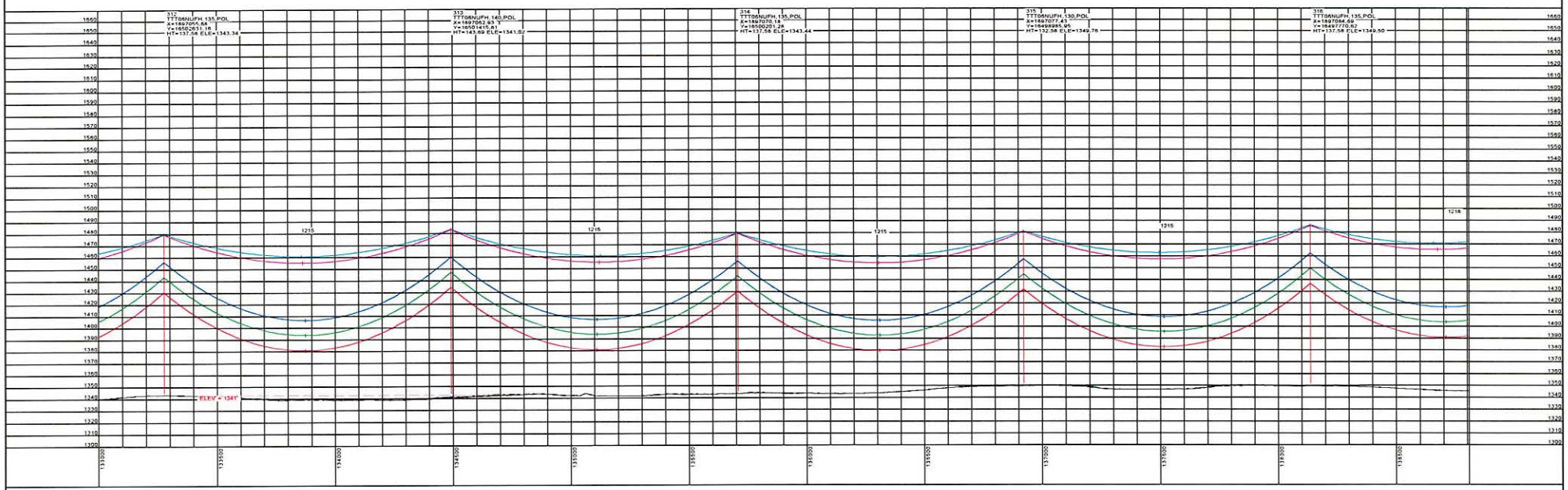
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-31
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 312 - 316

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE	DESIGN DATA
DRAWN BY: GMD	02/03/17	CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL OPGW: 1-DN0-10523
DESIGN BY: GMD	02/03/17	
CHECKED BY: JPW	02/03/17	
APPROVED BY: DJF	02/03/17	COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-32
REVISION: 2
136508

PLS-CADD DRAWING



STRS: 317 - 319

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

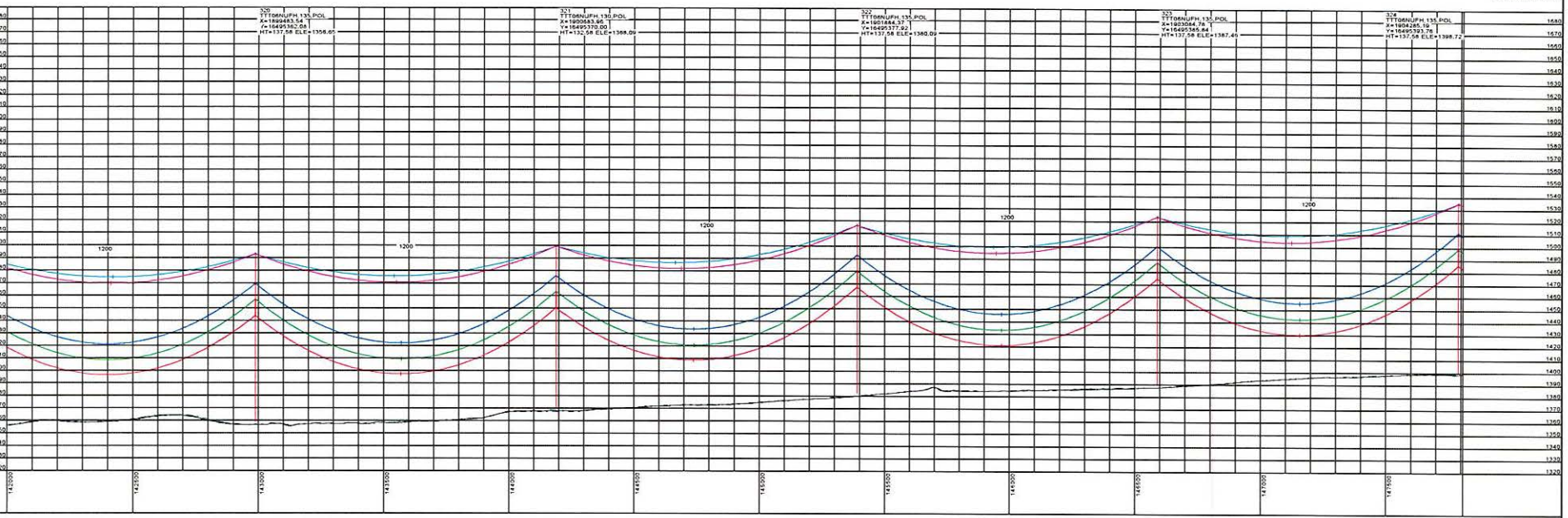
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-33
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 320 - 324

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DSN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

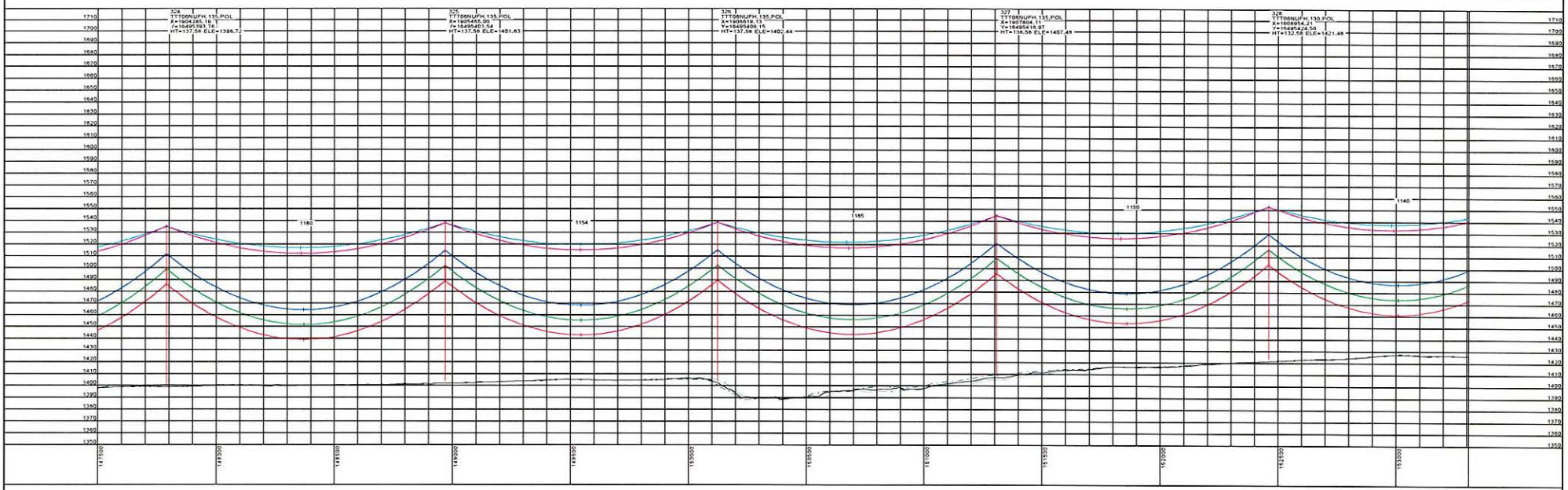
BSSE
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-34
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 324 - 328

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REV	DESCRIPTION	DWN	DSN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

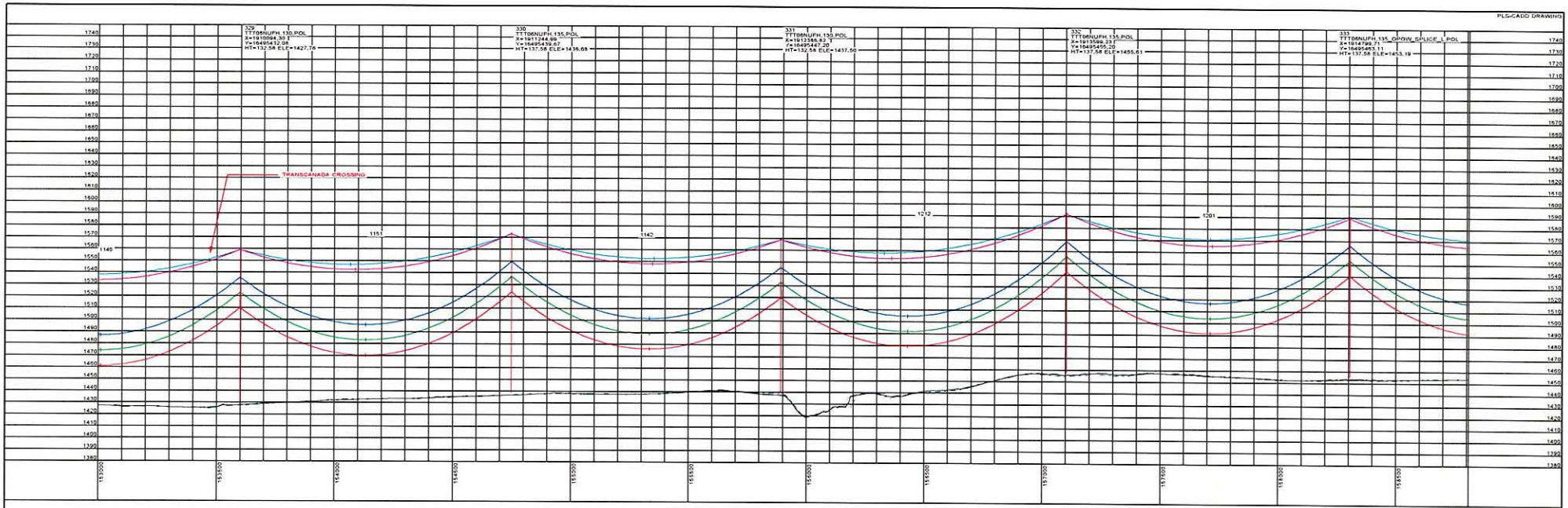
BSS-E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-35
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 329 - 333

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	CHK	DSN	DATE
2	ISSUED FOR RECORD	JDB	JPW	JDB	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DNO-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

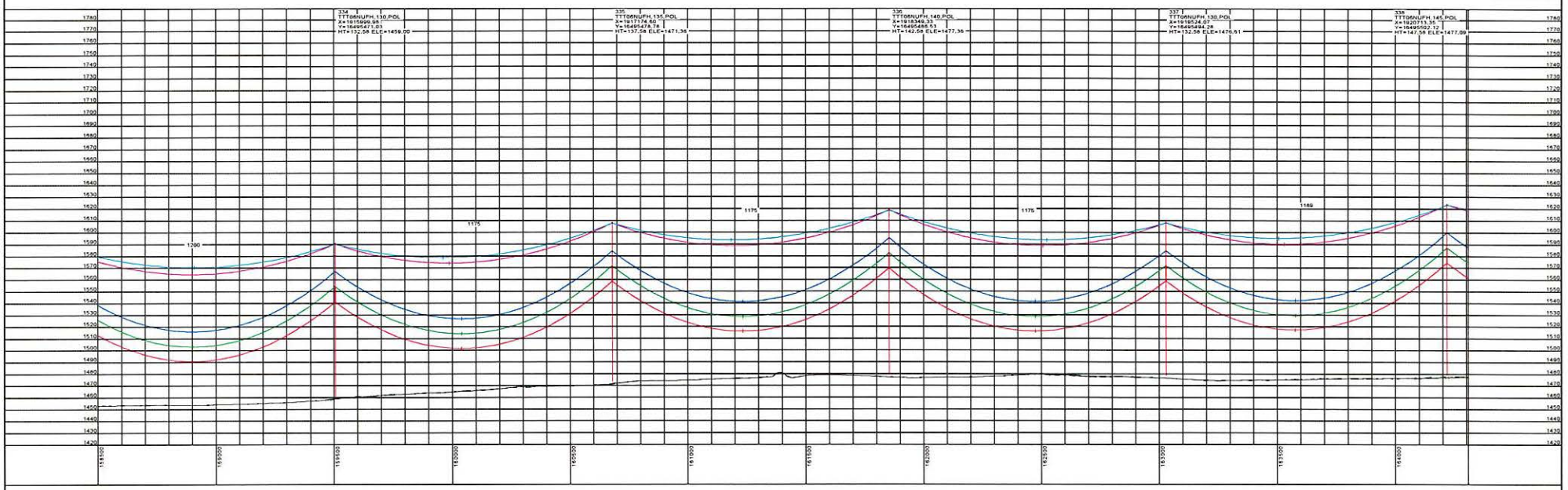
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-36
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 334 - 338

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	JDB DWN	JDB DGN	JPW CHK	DATE
2	ISSUED FOR RECORD				03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

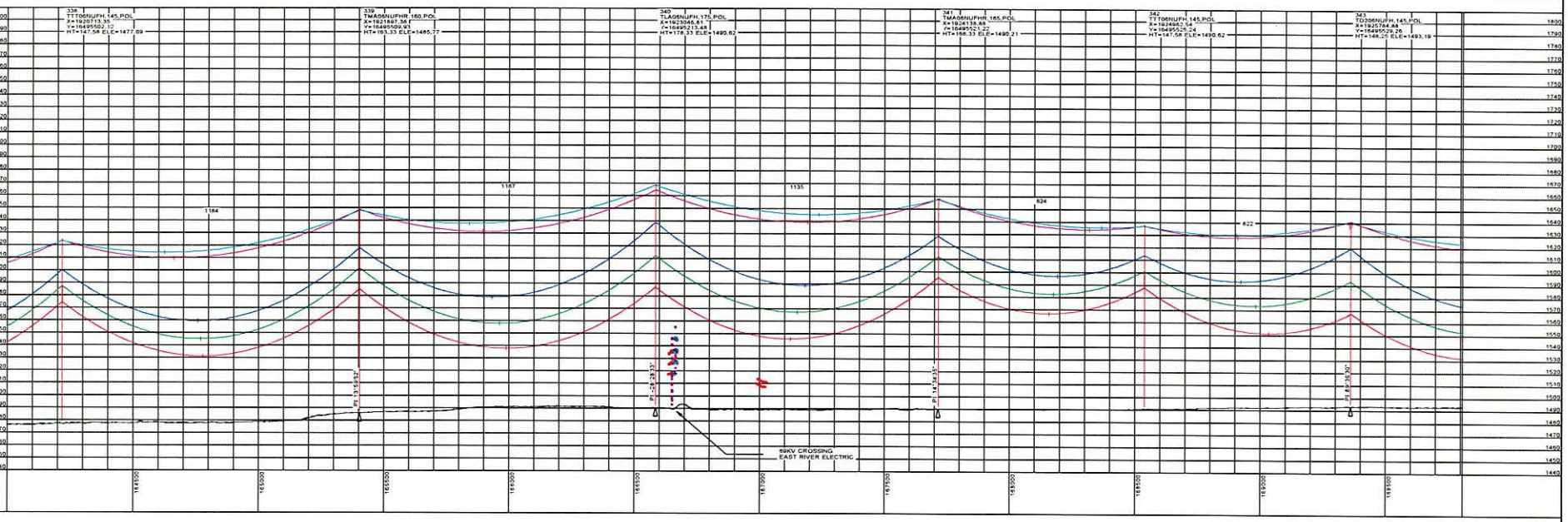
BSS◆E
Big Stone South to Ellendale

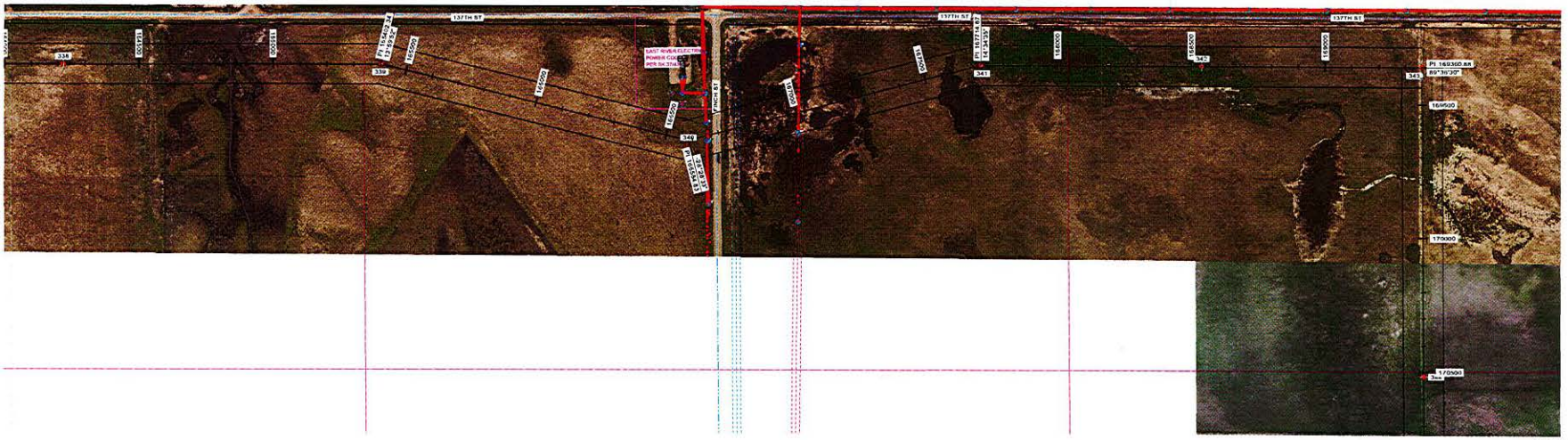
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-37
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 338 - 343

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

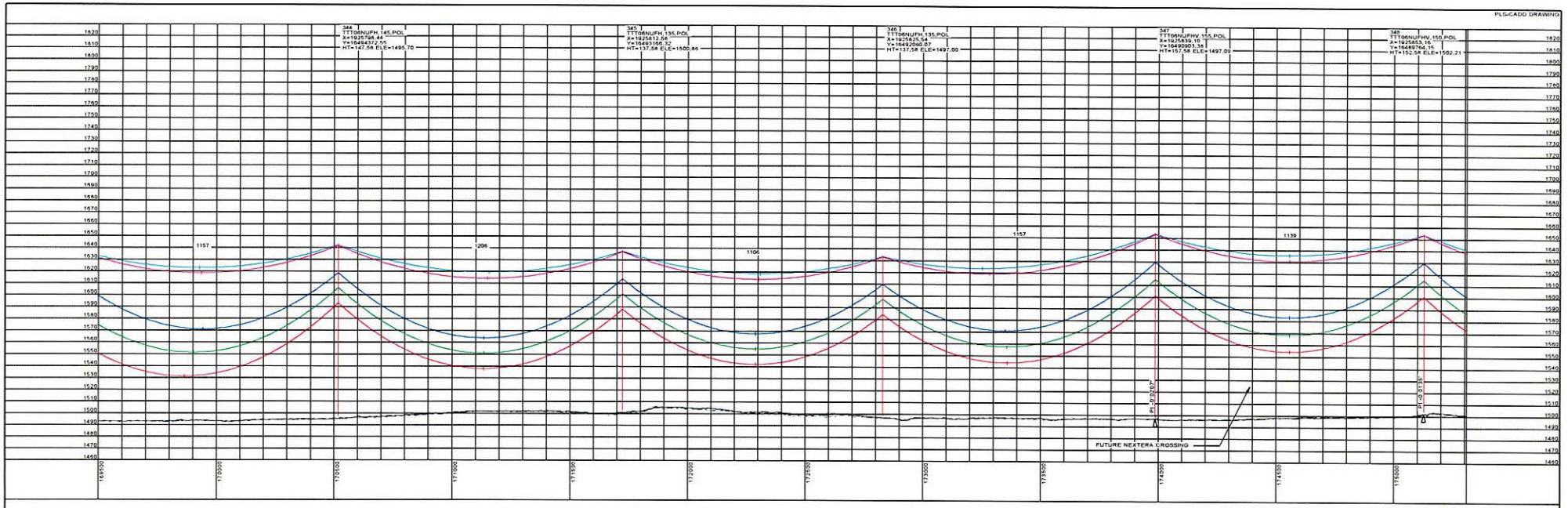
COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS◆E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-38
REVISION: 2
136508





STRS: 344 - 348

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

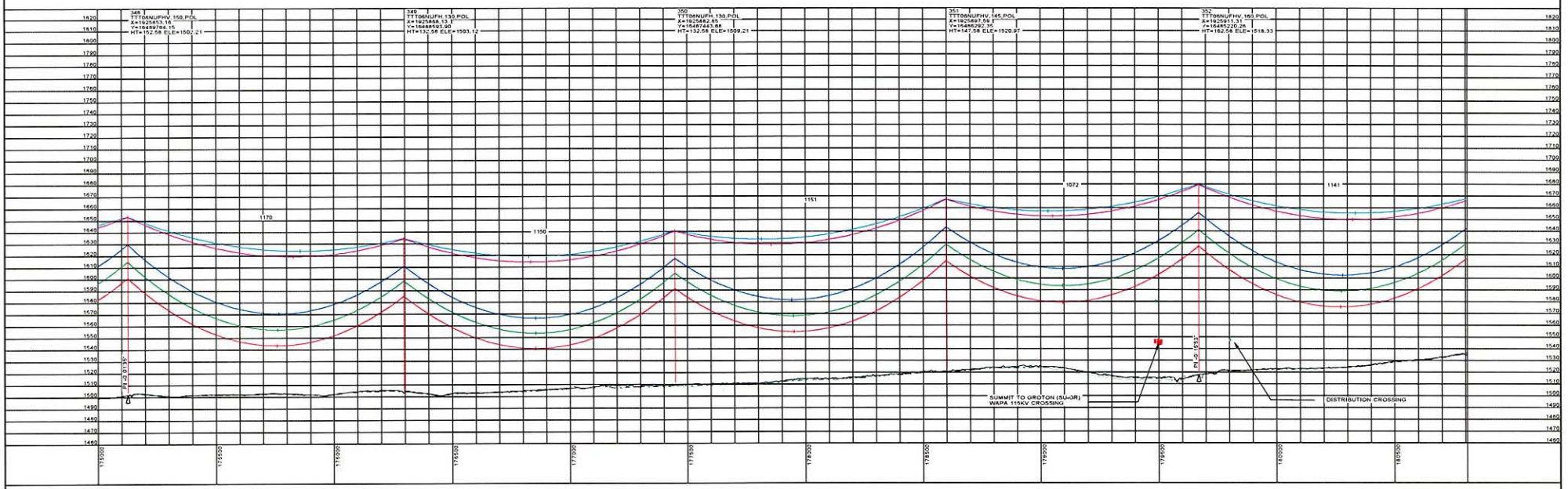
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-39
REVISION: 2

136508

PLS-CADD DRAWING





STRS: 348 - 352

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19
REV	DESCRIPTION	DWN	DGN	CHK	DATE

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA
CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

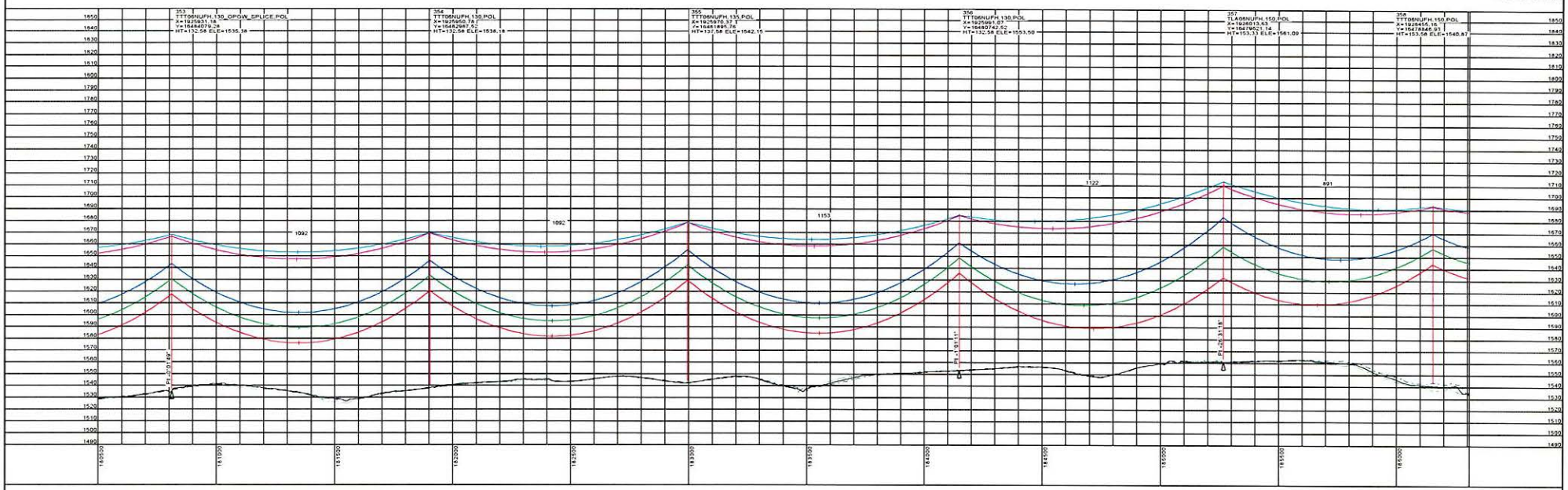
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-40
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 353 - 358

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

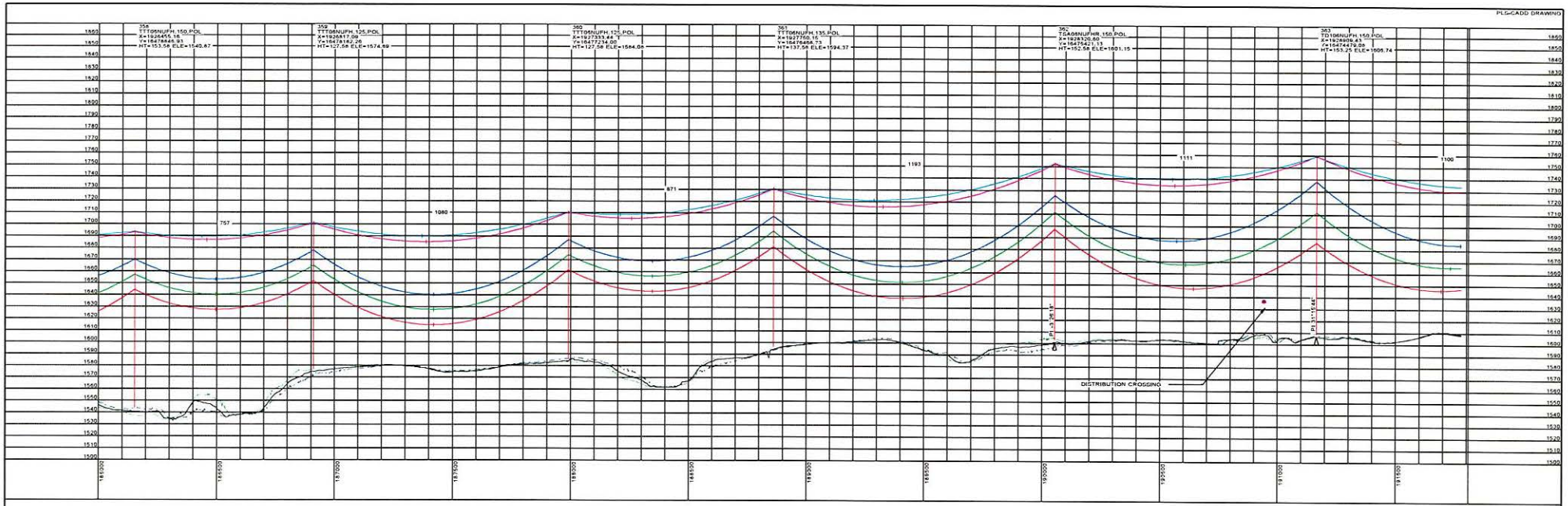
COORDINATE SYSTEM: UTM ZONE 14N, US FT

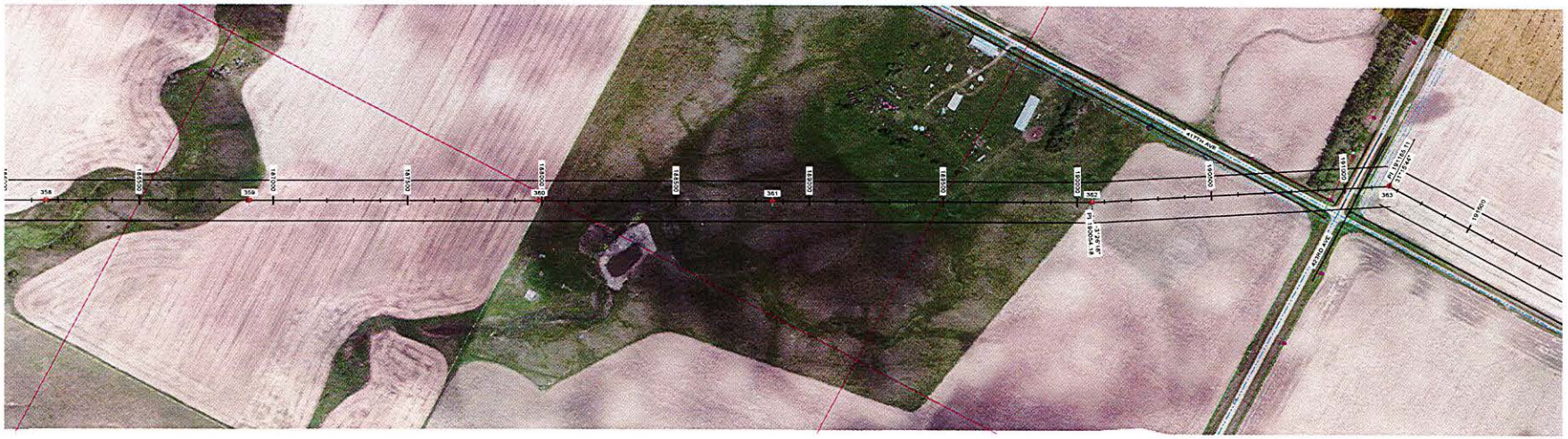
BSS-E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-41
REVISION: 2
136508





STRS: 358 - 358

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

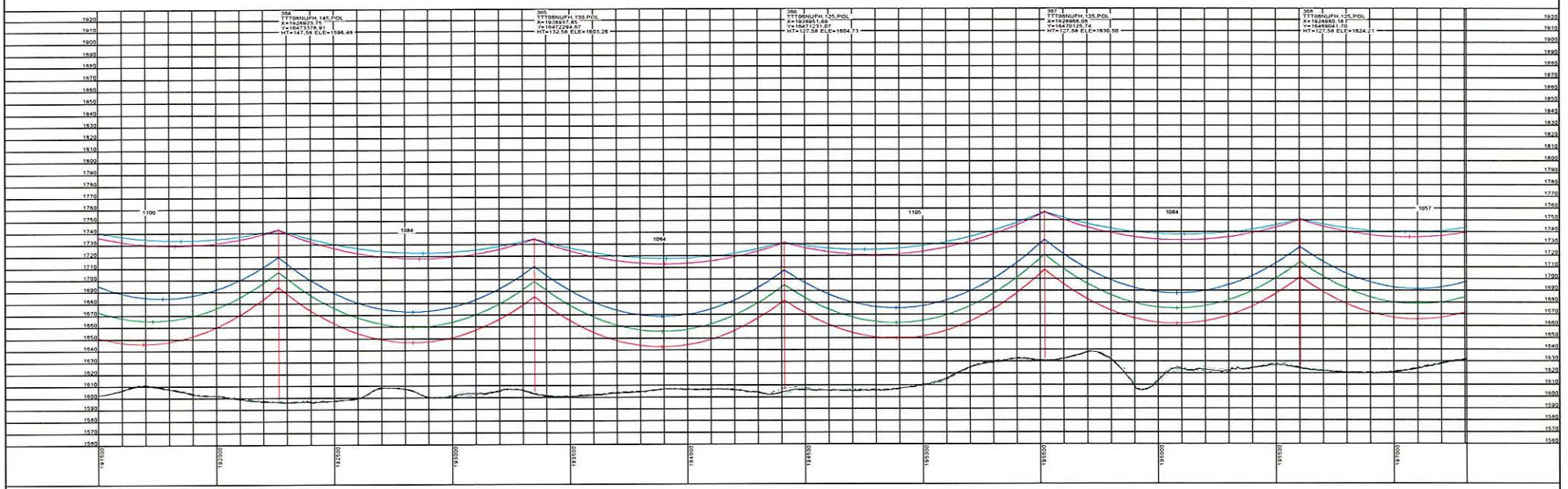
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-42
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 364 - 368

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

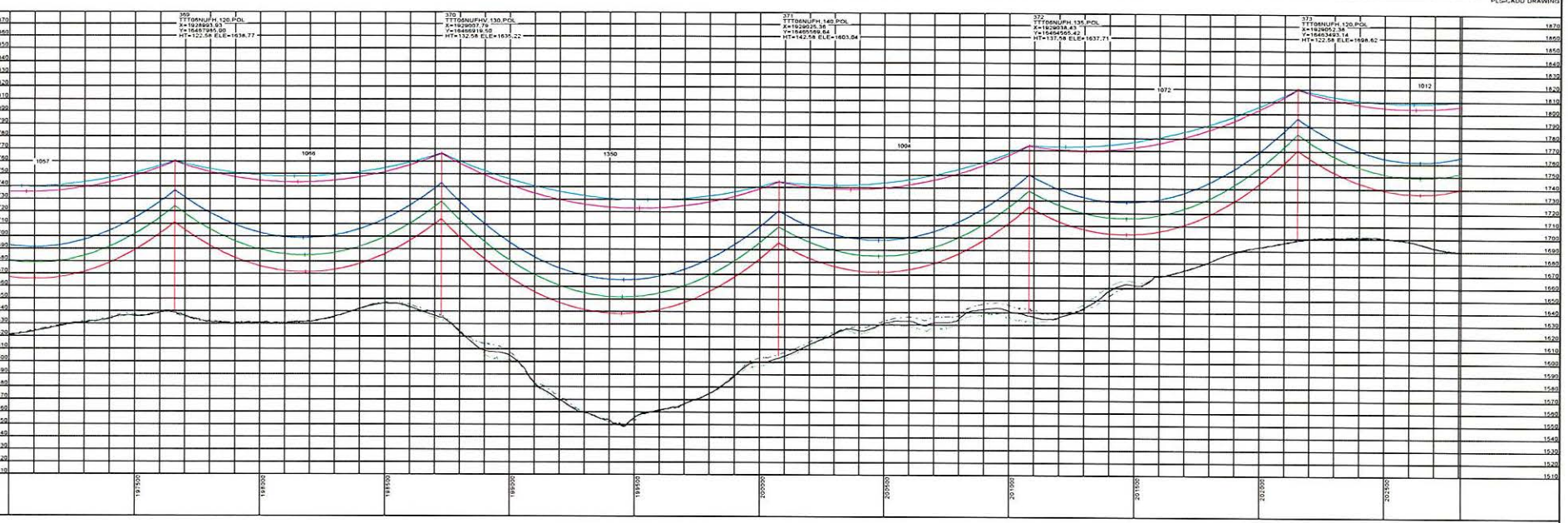
BSS+E
Big Stone South to Ellendale

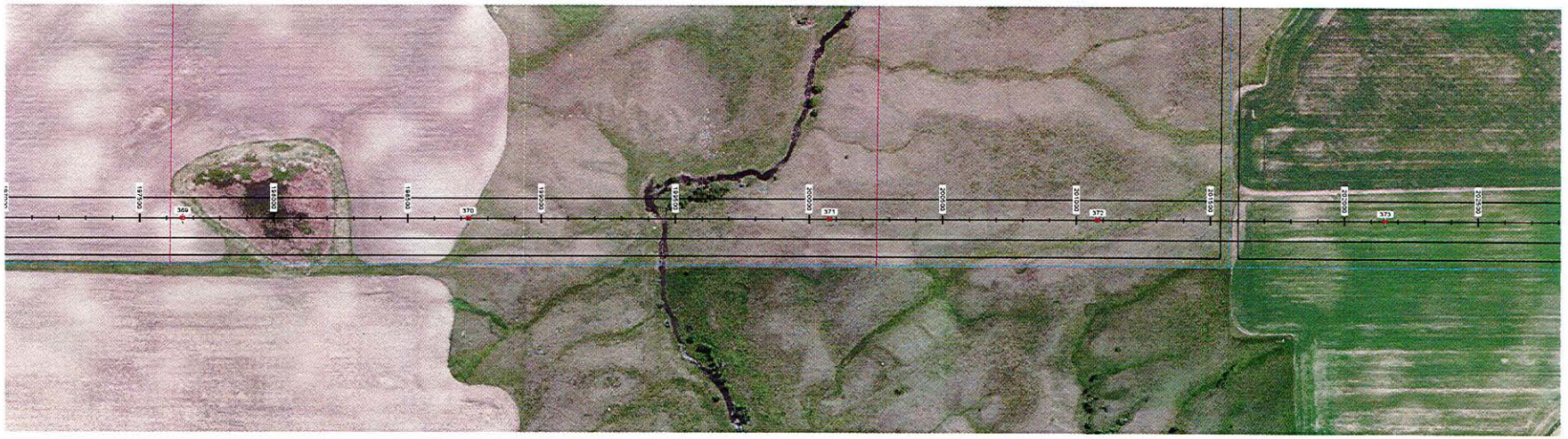
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-43
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 369 - 373

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REV	DESCRIPTION	JOB DWN	JDB DGN	JPW CHK	03/01/19 DATE
2	ISSUED FOR RECORD				

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

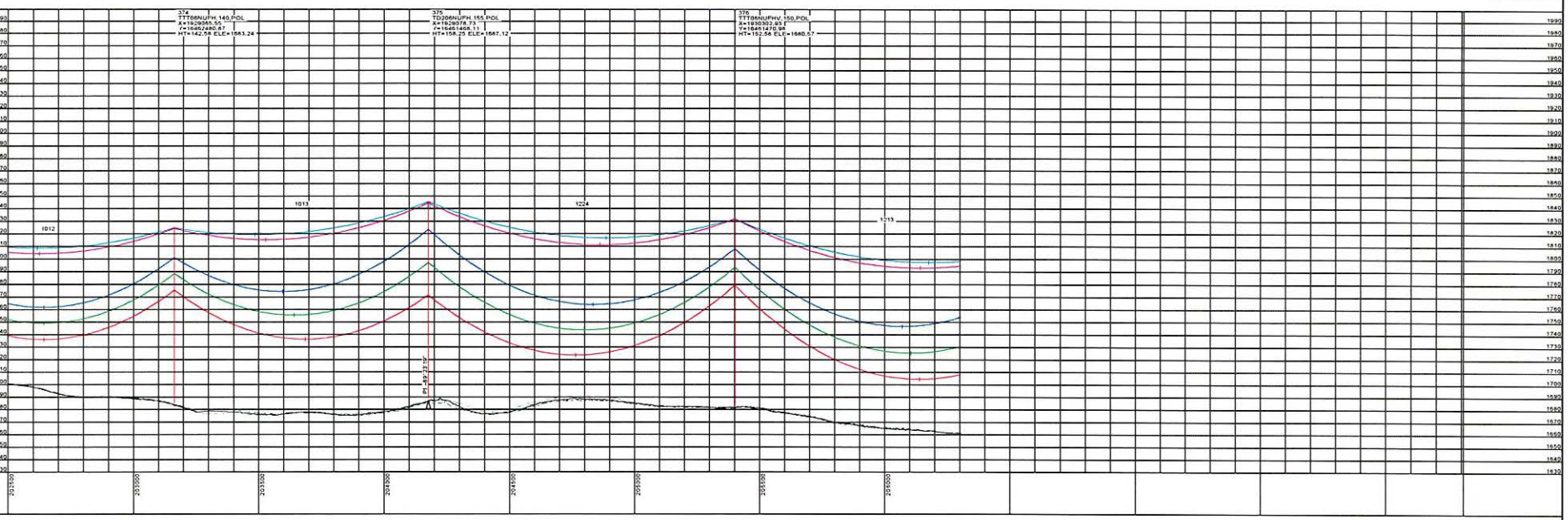
BSS-E
Big Stone South to Ellendale

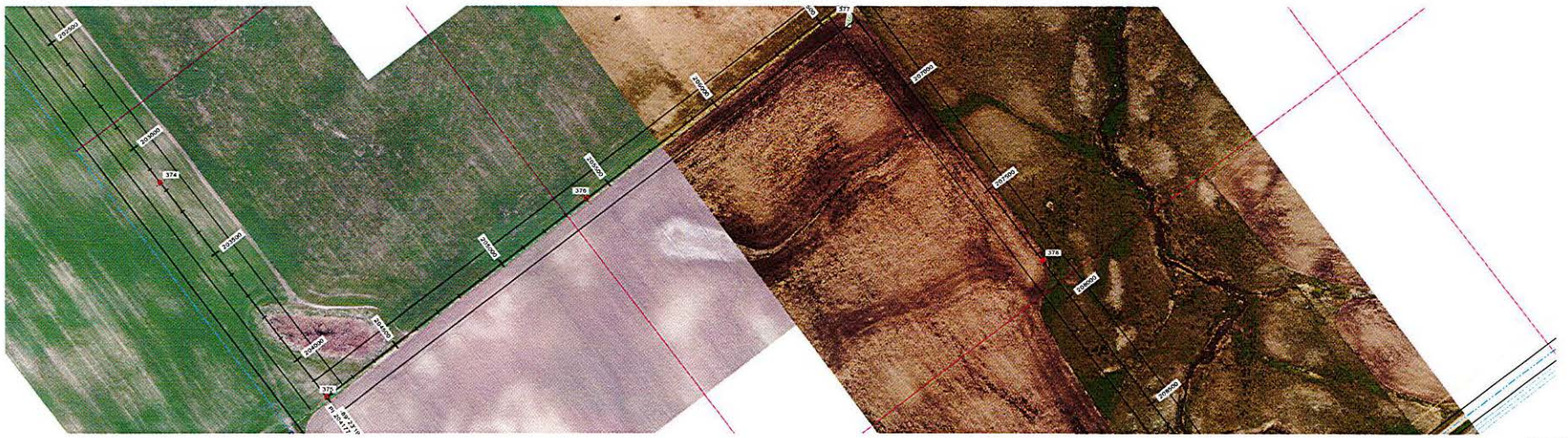
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-44
REVISION: 2
136508

PLS-CADD DRAWING





20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REV	DESCRIPTION	DWN	DGN	CHK	DATE
	REVISIONS				
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

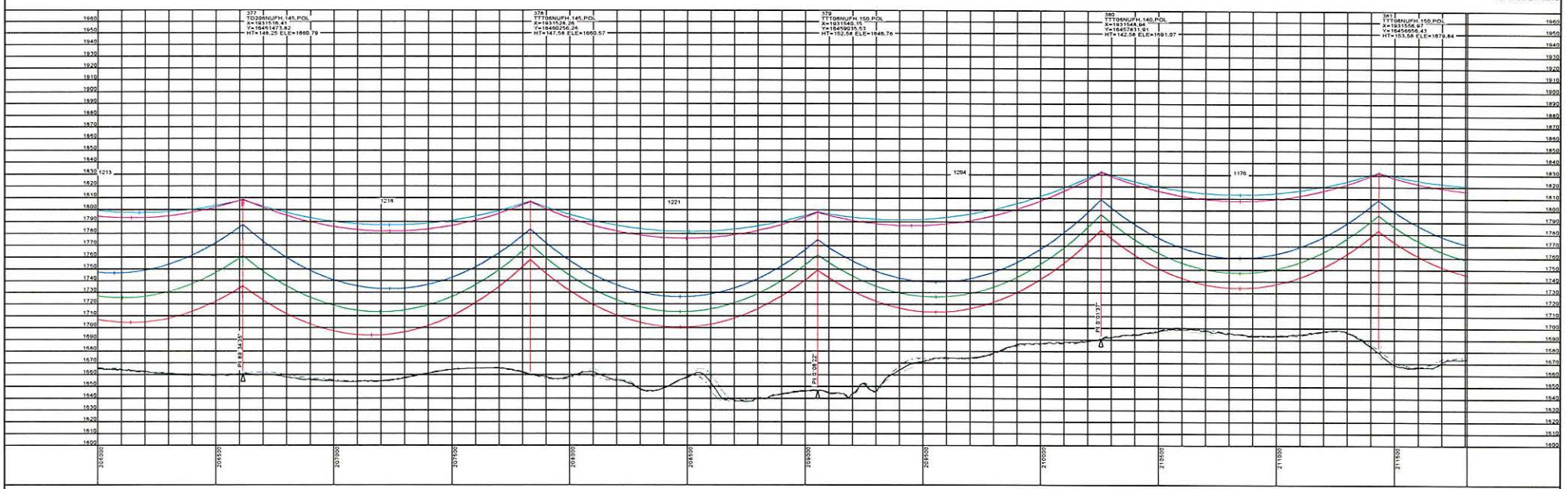
BSSE
Big Stone South to Ellendale

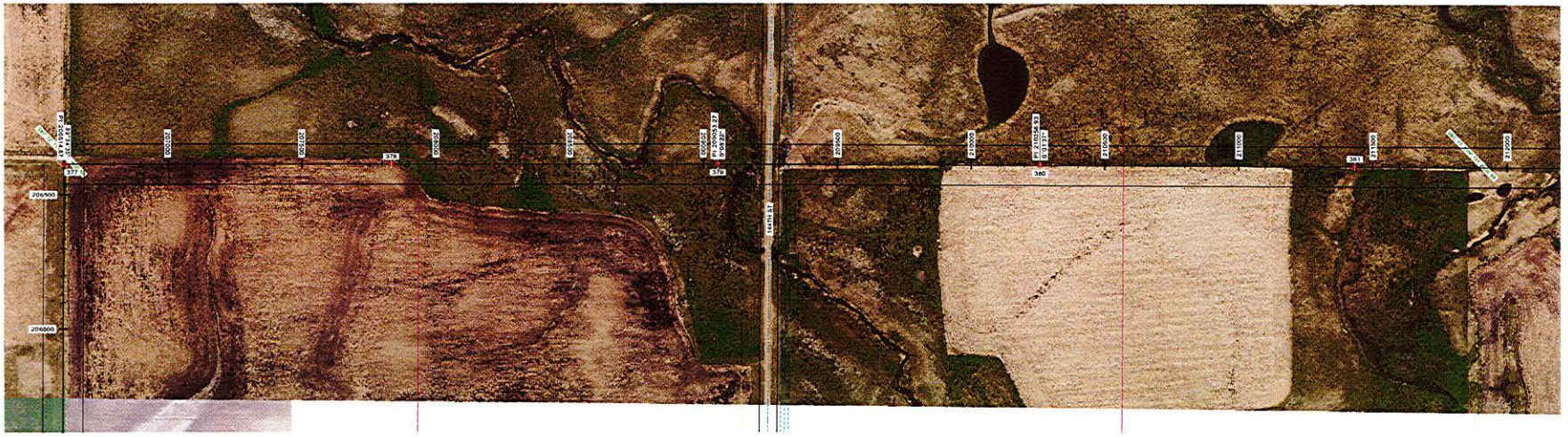
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-45
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 377 - 381

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSS+E
Big Stone South to Ellendale

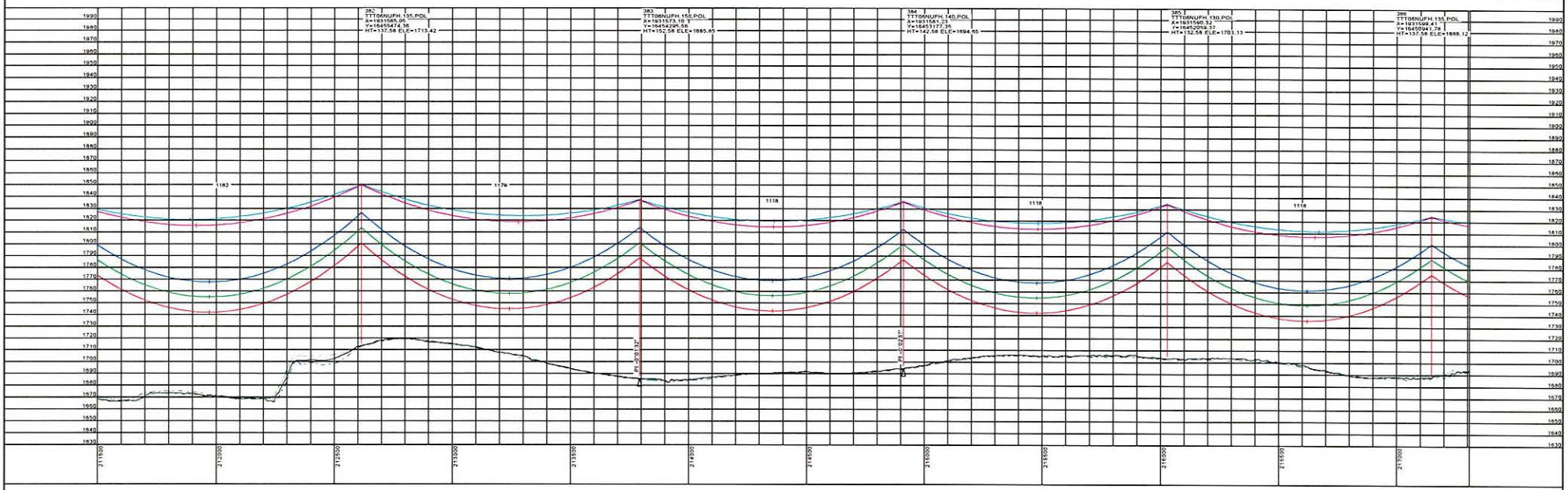
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-46
REVISION: 2

136508

PLS-CADD DRAWING





STRS: 382 - 386

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

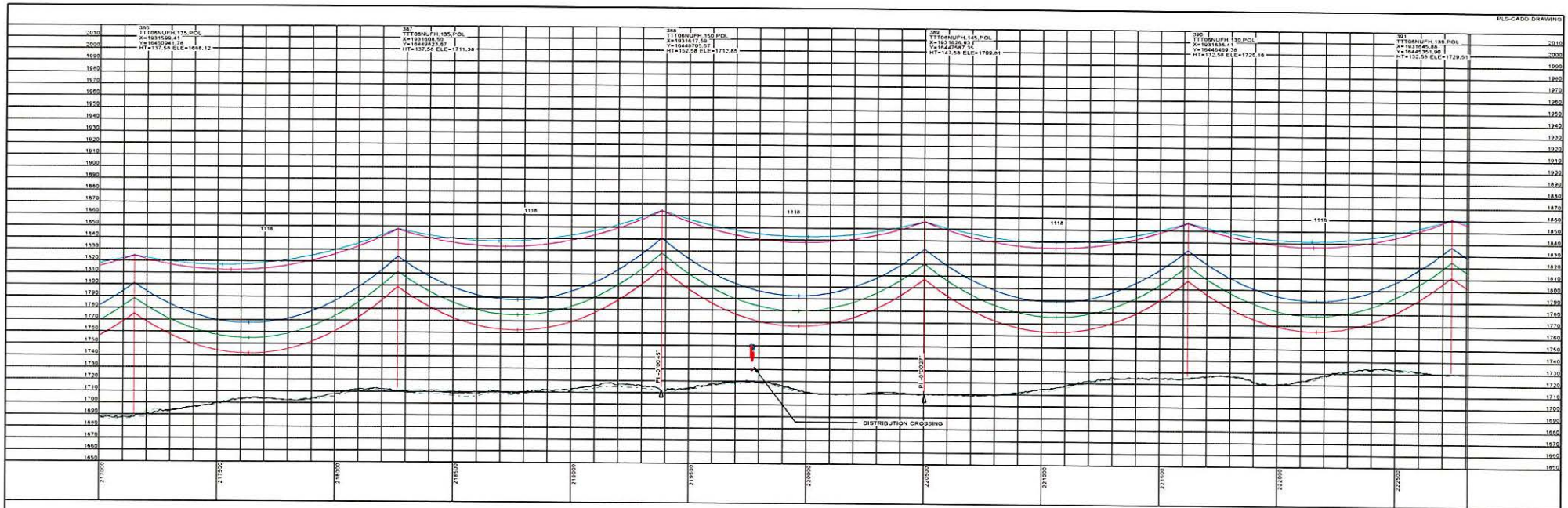
BSS+E
Big Stone South to Ellendale

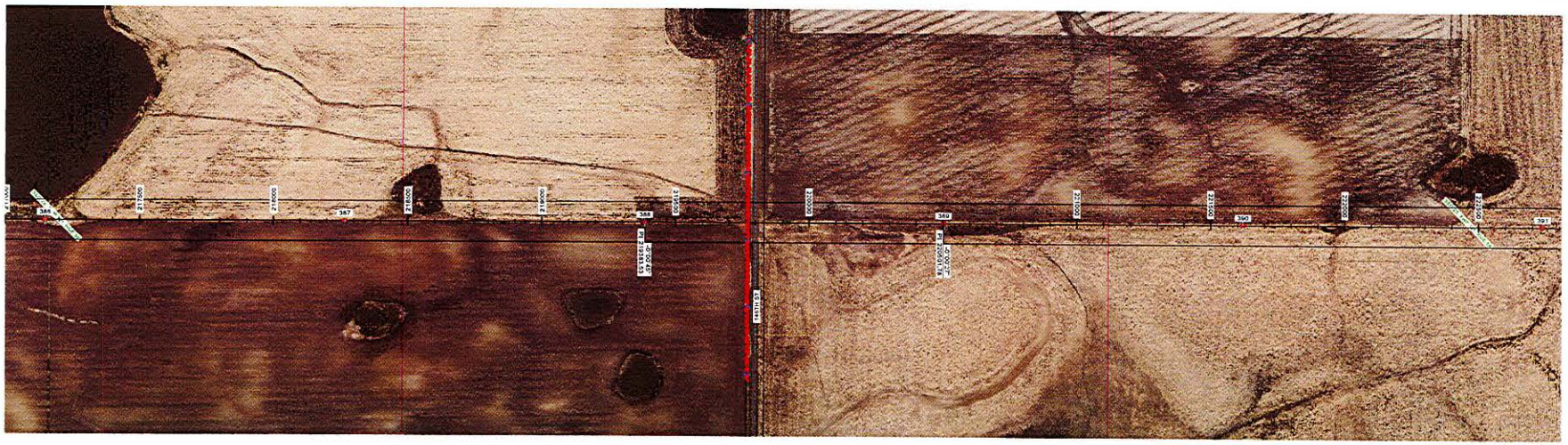
BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-47
REVISION: 2

136508





STRS: 386 - 391

20190301
ISSUED FOR RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

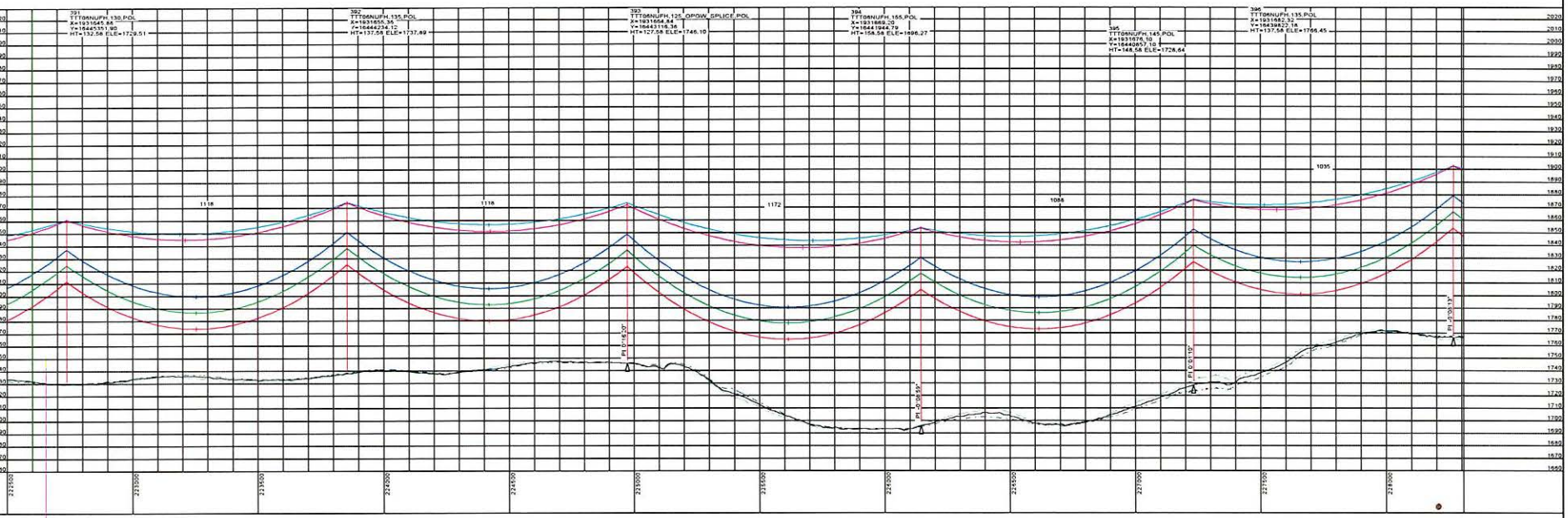
BSS+E
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-48
REVISION: 2
136508

PLS-CADD DRAWING





STRS: 391 - 396

20190301
ISSUED FOR
RECORD

POWER ENGINEERS

REVISIONS					
REV	DESCRIPTION	DWN	DGN	CHK	DATE
2	ISSUED FOR RECORD	JDB	JDB	JPW	03/01/19

APPROVALS	DATE
DRAWN BY: GMD	02/03/17
DESIGN BY: GMD	02/03/17
CHECKED BY: JPW	02/03/17
APPROVED BY: DJF	02/03/17

DESIGN DATA

CONDUCTOR: (2X) 477 KCMIL 26/7 TP HAWK ACSR
SHIELD WIRE: 1-3/8" 7 STRAND EHS STEEL
OPGW: 1-DN0-10523

COORDINATE SYSTEM: UTM ZONE 14N, US FT

BSSE
Big Stone South to Ellendale

BIG STONE SOUTH - ELLENDALE
345 KV TRANSMISSION LINE

200.0 FT. HORIZ. SCALE
40.0 FT. VERT. SCALE
NORTH

DWG. NO.
BSSE-PP-102-49
REVISION: 2
136508