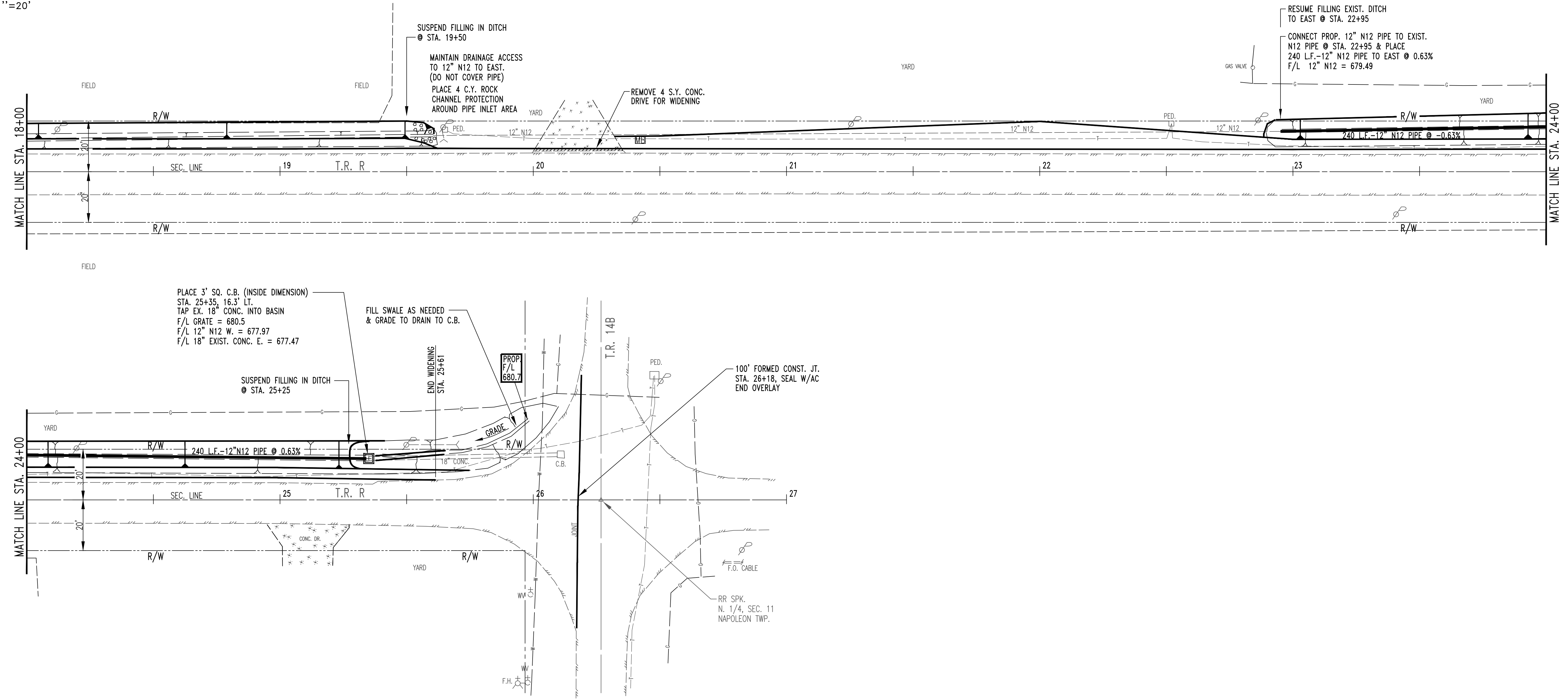


NAPOLEON TWP. RD. R 2
5
 BETWEEN RDS. 15 & 14B
 ROAD & DRAINAGE IMPROVEMENTS

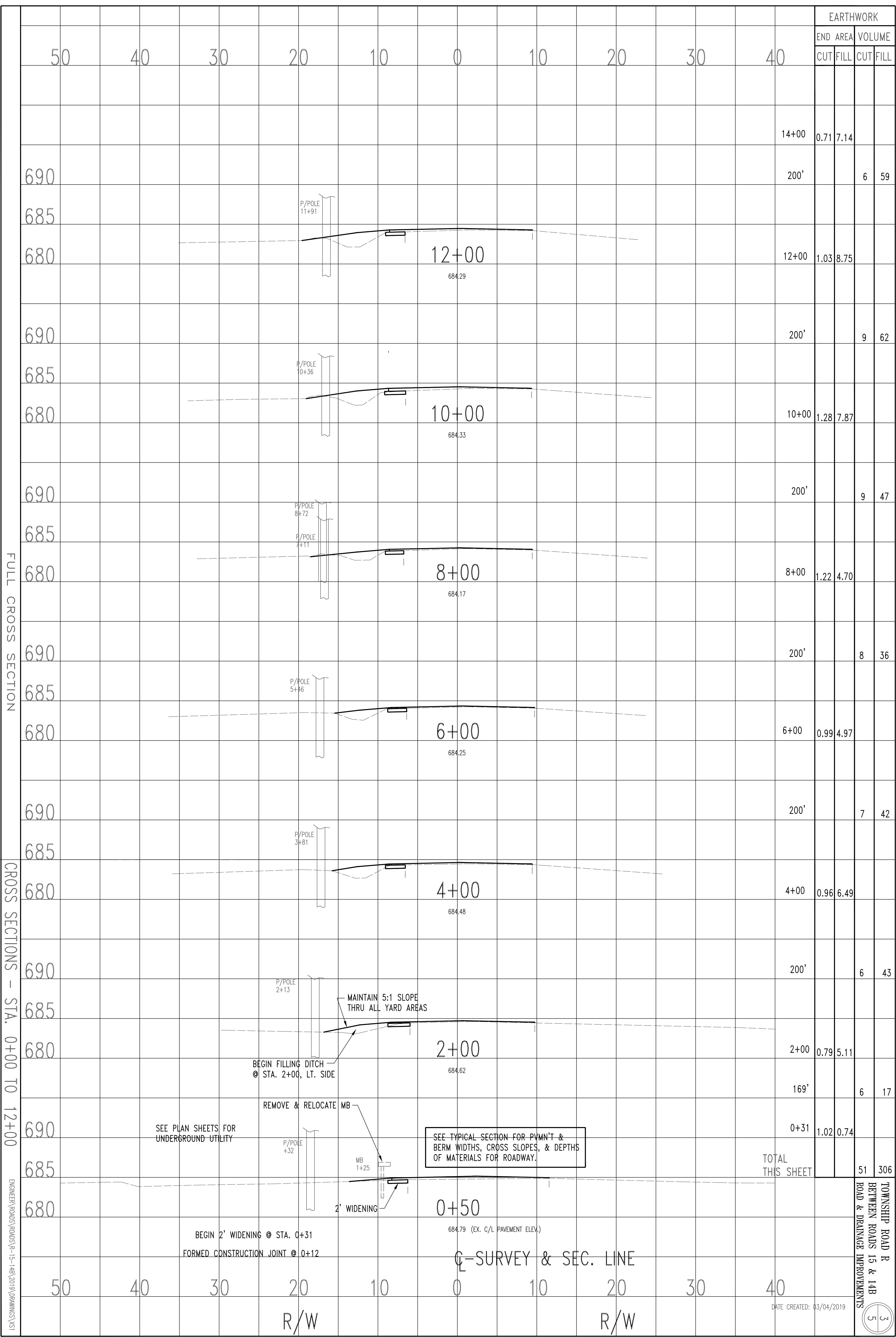
CREATED: 03/07/2019

Scale: 1"=20'



SBM
 MAG. NAIL @ STA. 24+00, ELEV. = 682.60
 R.R. SPK. IN INTERSECTION. (SEC. COR., ELEV. = 681.47)

PLAN - PROFILE



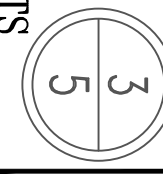
FULL CROSS SECTION

CROSS SECTIONS - STA. 0+00 TO 12+00

ENGINEER \ROADS\ROADS\R-15-14B\2019\DRAWINGS\X51

TOWNSHIP ROAD R
BETWEEN ROADS 15 & 14B
ROAD & DRAINAGE IMPROVEMENTS

DATE CREATED: 03/04/2019



SEE TYPICAL SECTION FOR PAVEMENT & BERM WIDTHS, CROSS SLOPES, & DEPTHS OF MATERIALS FOR ROADWAY.

MAINTAIN 5:1 SLOPE THRU ALL YARD AREAS

BEGIN FILLING DITCH @ STA. 2+00, LT. SIDE

REMOVE & RELOCATE MB

SEE PLAN SHEETS FOR UNDERGROUND UTILITY

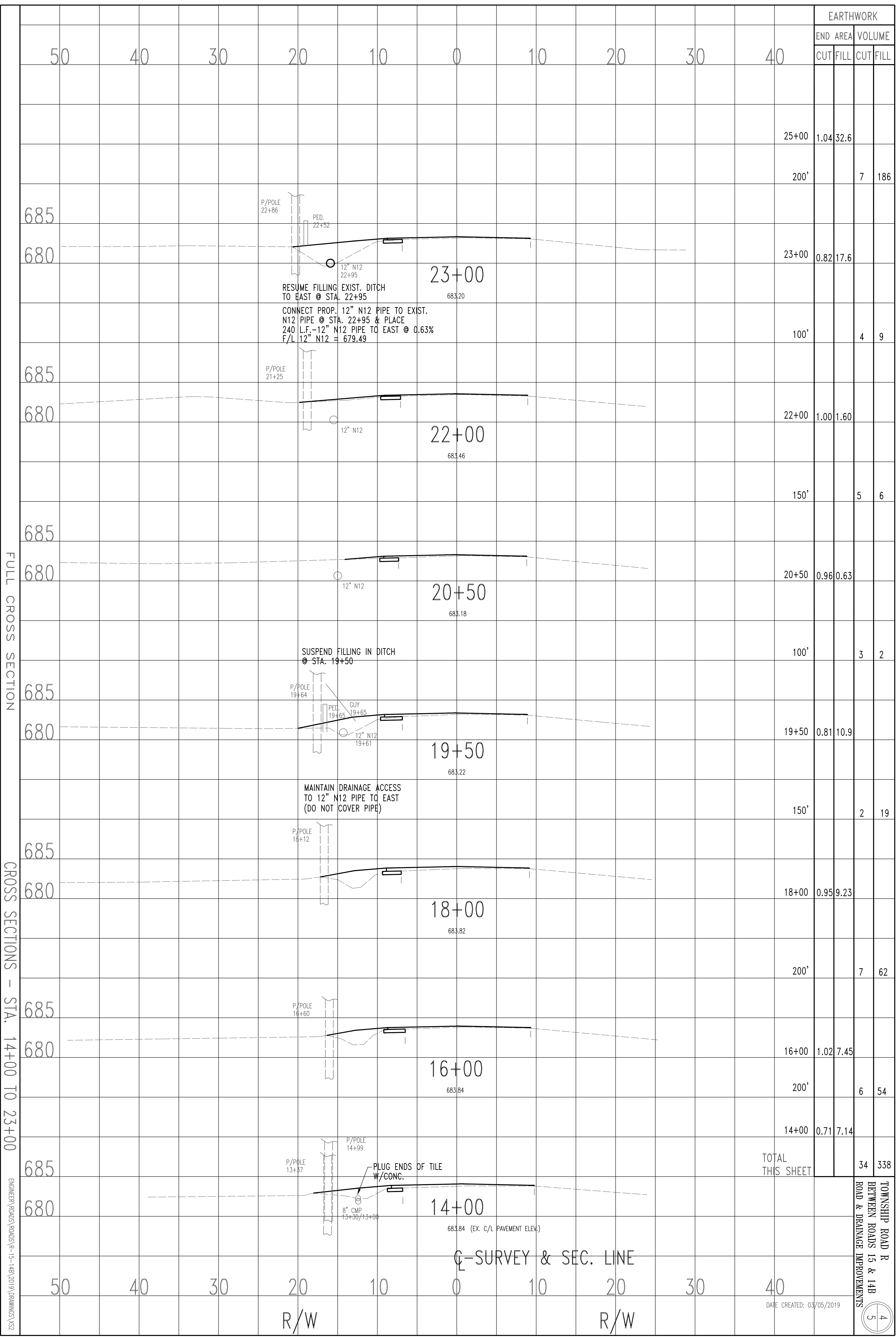
BEGIN 2' WIDENING @ STA. 0+31
FORMED CONSTRUCTION JOINT @ 0+12

684.79 (EX. C/L PAVEMENT ELEV.)

C-SURVEY & SEC. LINE

R/W

R/W



STATION	EARTHWORK			
	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
25+00	1.04	32.6		
200'			7	186
23+00	0.82	17.6		
100'			4	9
22+00	1.00	1.60		
150'			5	6
20+50	0.96	0.63		
100'			3	2
19+50	0.81	10.9		
150'			2	19
18+00	0.95	9.23		
200'			7	62
16+00	1.02	7.45		
200'			6	54
14+00	0.71	7.14		
TOTAL THIS SHEET			34	338

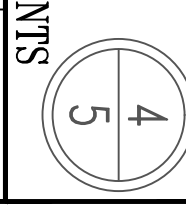
FULL CROSS SECTION

CROSS SECTIONS - STA. 14+00 TO 23+00

ENGINEER \ROADS \ROADS\R-15-14R\2019\DRAWINGS\X2

TOWNSHIP ROAD R
BETWEEN ROADS 15 & 14B
ROAD & DRAINAGE IMPROVEMENTS

DATE CREATED: 03/05/2019



FULL CROSS SECTION

CROSS SECTIONS - STA. 25+00 TO 25+50

ENGINEER \ROADS\ROADS\R-15-148\2019\DRAWINGS\X53

EARTHWORK

END AREA VOLUME

CUT FILL CUT FILL

50 40 30 20 10 0 10 20 30 40

FORMED CONSTRUCTION JOINT @ STA. 26+18.
& END OVERLAY

SEE PLAN SHEET FOR
ADDITIONAL POLES &
UNDERGROUND ITEMS

FILL SWALE AS NEEDED
& GRADE TO DRAIN TO C.B.
(SEE PLAN SHEET)

PLACE 3' SQ. C.B. (INSIDE DIMENSION)
STA. 25+35, 16.3' LT.
TAP EX. 18" CONC. INTO BASIN
F/L GRATE = 680.5
F/L 12" N12 W. = 677.97
F/L 18" EXIST. CONC. E. = 677.47

END WIDENING @
STA. 25+61

SUSPEND FILLING IN DITCH
@ STA. 25+25

P/POLE
24+20

F/L 12"
678.2

25+50

682.33

25+00

682.67 (EX. C/L PAVEMENT ELEV.)

Q-SURVEY & SEC. LINE

685

680

685

680

50 40 30 20 10 0 10 20 30 40

R/W

R/W

DATE CREATED: 03/08/2019

25+50 0 0.85

50' 1 31

25+00 1.04 32.6

FOR SWALING FILLING
@ STA. 25+00± 2

TOTAL THIS SHEET 3 51 306
TOTAL THIS SHEET 4 34 338
TOTAL THIS SHEET 5 1 33

GRAND TOTAL 86 677

TOWNSHIP ROAD R
BETWEEN ROADS 15 & 14B
ROAD & DRAINAGE IMPROVEMENTS

5