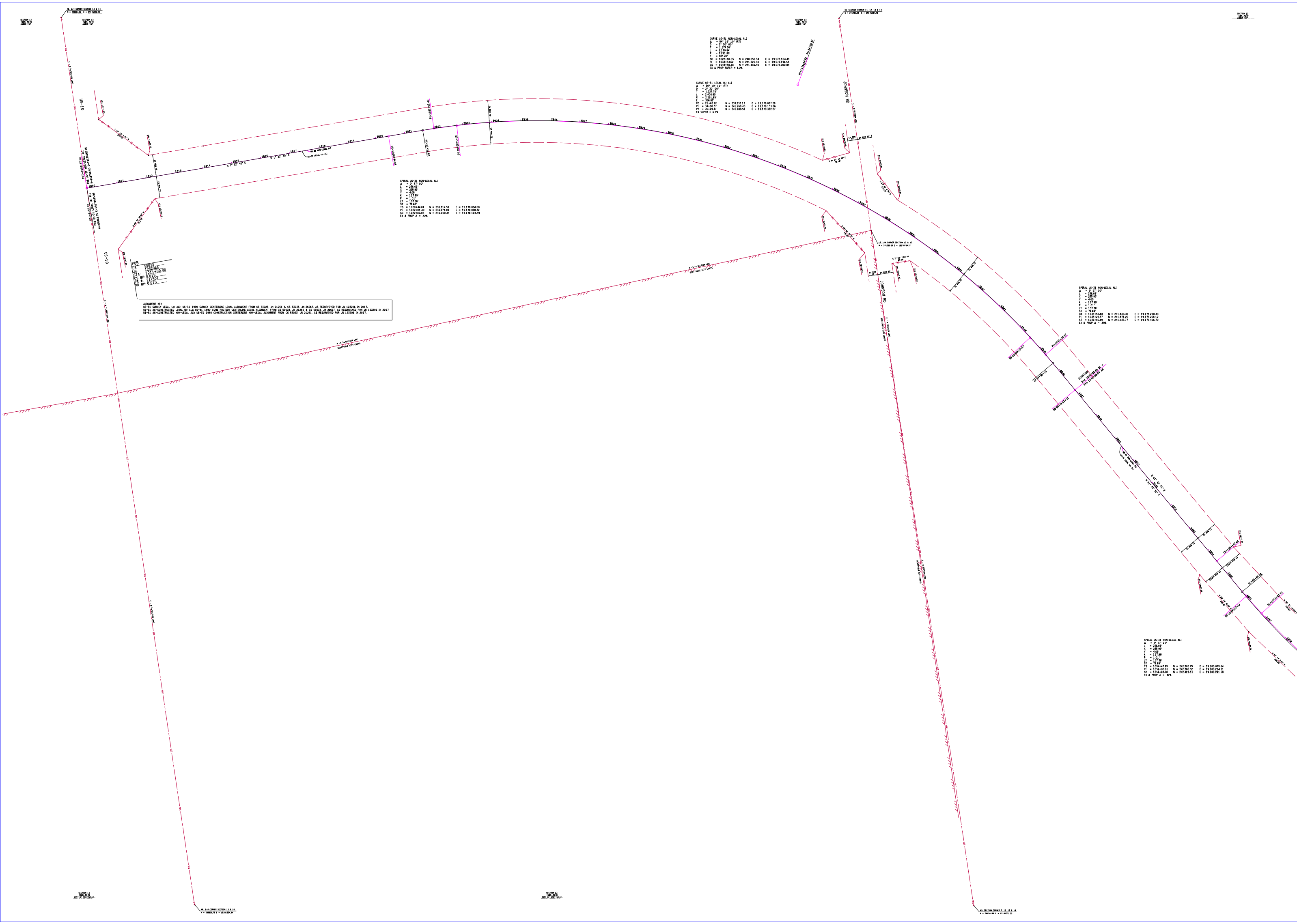

NE 1/4 CORNER SECTION 13 & 14
SECTION 13
SECTION 13
NE SECTION CORNER 11, 12, 13 & 14
SECTION 13
SECTION 12
US-10
US-10
JOHNSON RD
JOHNSON RD
N -S ¼ SECTION LINE
SCOTTVILLE CITY LIMITS
N -S ¼ SECTION LINE
SCOTTVILLE CITY LIMITS
LS 1/4 CORNER SECTION 12 & 13
N = 241369.26 E = 19178734.37
S 2° 50' 1.00" W
63.09'
EX ROW 33'
EX ROW 53'
PI=1034+54.62
PI=34+90.37
TS=1020+44.04
PC=21+62.62
SC=1022+80.05
PI=1045+29.57
EQUATION
PI=1056+05.05
SECTION 13
CITY OF SCOTTVILLE
NE 1/4 CORNER SECTION 13 & 18
SECTION 13
CITY OF SCOTTVILLE
NE SECTION CORNER 7, 12, 13 & 18

CURVE US-31 NON-LEGAL ALI
Δ = 54° 16' 10" (RT)
D = 2° 30' 00"
T = 1,174.58'
L = 2,170.84'
R = 2,291.89'
E = 283.45'
SC = 1022+80.05 N = 240,050.34 E = 19,178,104.49
PI = 1034+54.62 N = 241,221.30 E = 19,178,196.53
CS = 1044+50.88 N = 241,830.40 E = 19,179,200.84
EX & PROP SUPER = 6.2%

CURVE US-31 LEGAL (A) ALI
Δ = 60° 10' 11" (RT)
D = 2° 30' 00"
T = 1,327.75'
L = 2,406.85'
R = 2,291.89'
E = 356.82'
PC = 21+62.62 N = 239,933.13 E = 19,178,097.28
PI = 34+90.37 N = 241,260.40 E = 19,178,133.06
PT = 45+69.47 N = 241,889.58 E = 19,179,302.27
EX SUPER = 6.2%

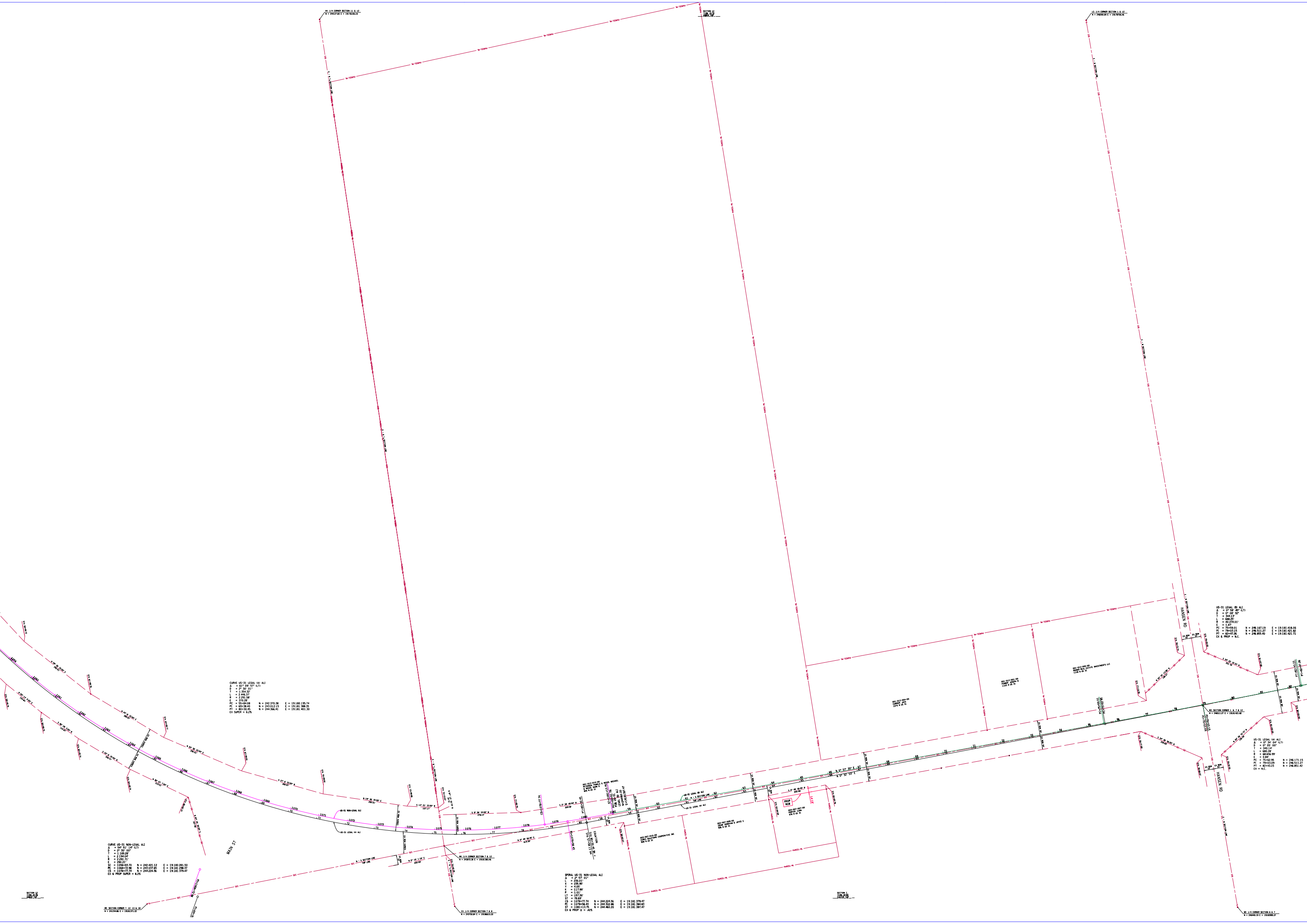
SPIRAL US-31 NON-LEGAL ALI
Δ = 2° 57' 00"
L = 236.01'
X = 235.95'
Y = 4.05'
K = 117.99'
P = 1.01'
LT = 157.36'
ST = 78.69'
TS = 1020+44.04 N = 239,814.59 E = 19,178,094.08
PI = 1022+01.40 N = 239,971.89 E = 19,178,098.32
SC = 1022+80.05 N = 240,050.34 E = 19,178,104.49
EX & PROP Δ = .42%

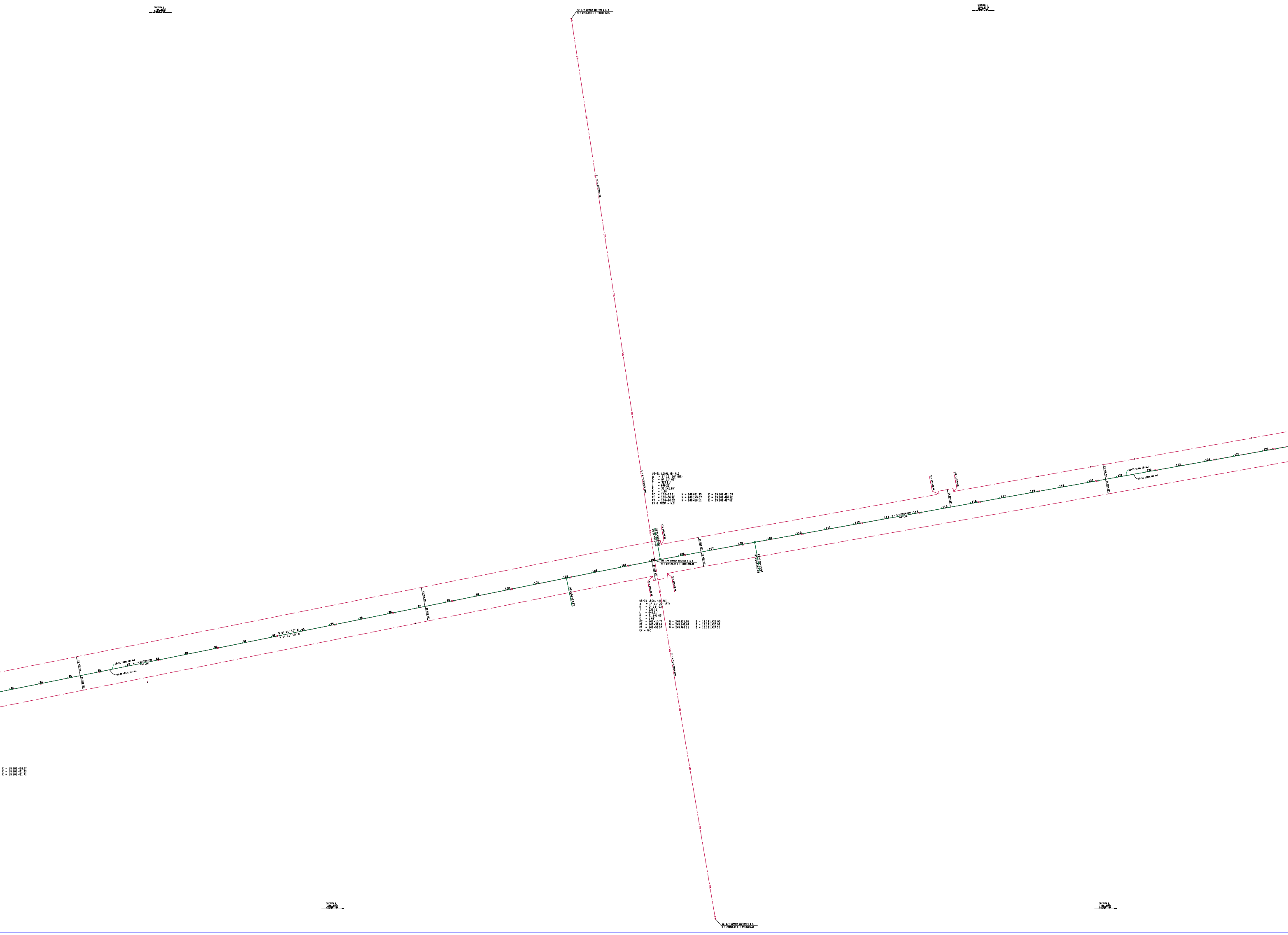
POB
CS: 53033
JN: 123206A
STA: 1011+00.00
CS MP: 0.019
PR #: 217507
PR MP: 0.019

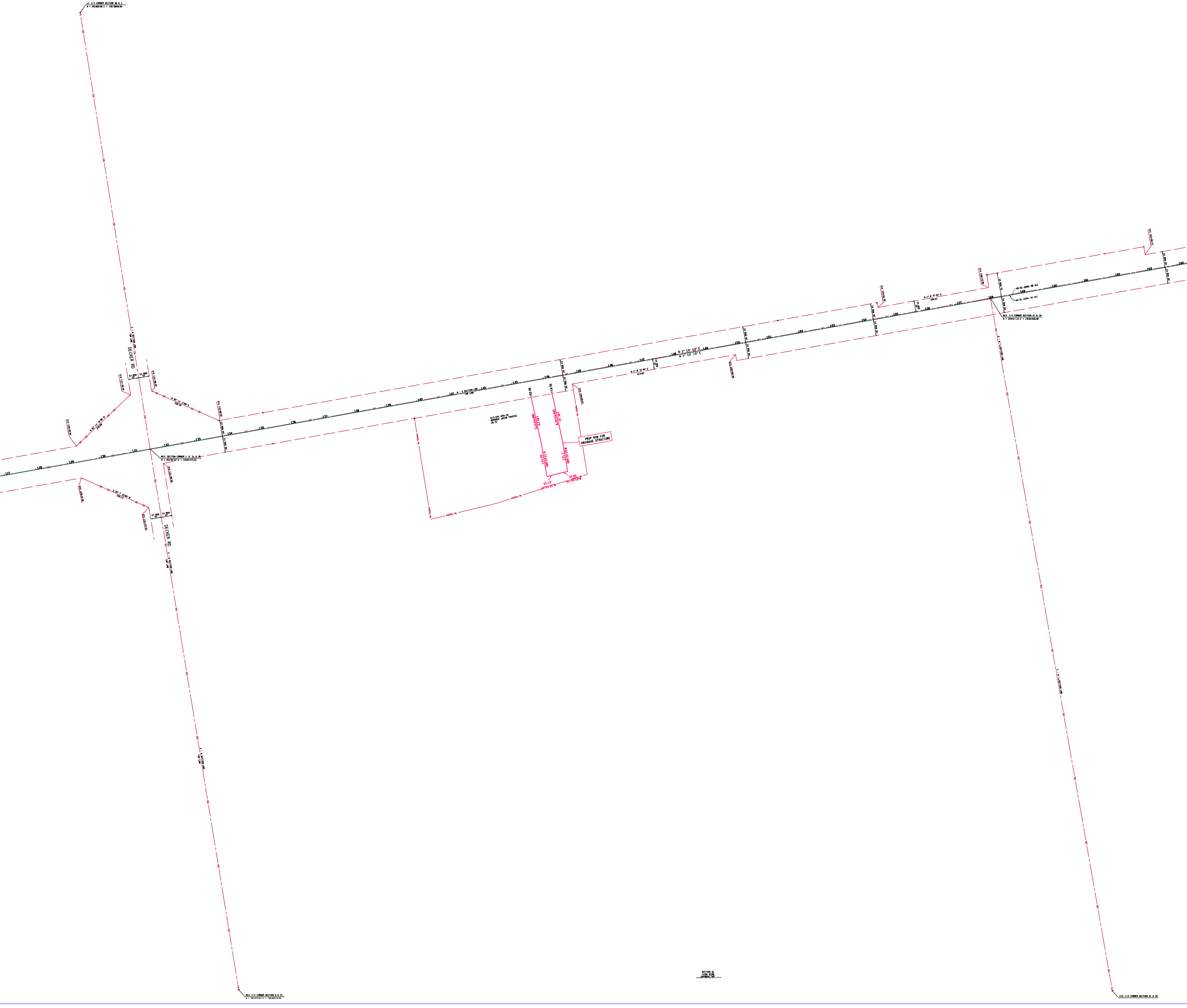
ALIGNMENT KEY
US-31 SURVEY LEGAL (A) ALI: US-31 1990 SURVEY CENTERLINE LEGAL ALIGNMENT FROM CS 53023, JN 21251 & CS 53033, JN 26667, AS RESURVEYED FOR JN 123206 IN 2017.
US-31 AS-CONSTRUCTED LEGAL (B) ALI: US-31 1990 CONSTRUCTION CENTERLINE LEGAL ALIGNMENT FROM CS 53023, JN 21251 & CS 53033, JN 26667, AS RESURVEYED FOR JN 123206 IN 2017.
US-31 AS-CONSTRUCTED NON-LEGAL ALI: US-31 1990 CONSTRUCTION CENTERLINE NON-LEGAL ALIGNMENT FROM CS 53023, JN 21251, AS RESURVEYED FOR JN 123206 IN 2017.

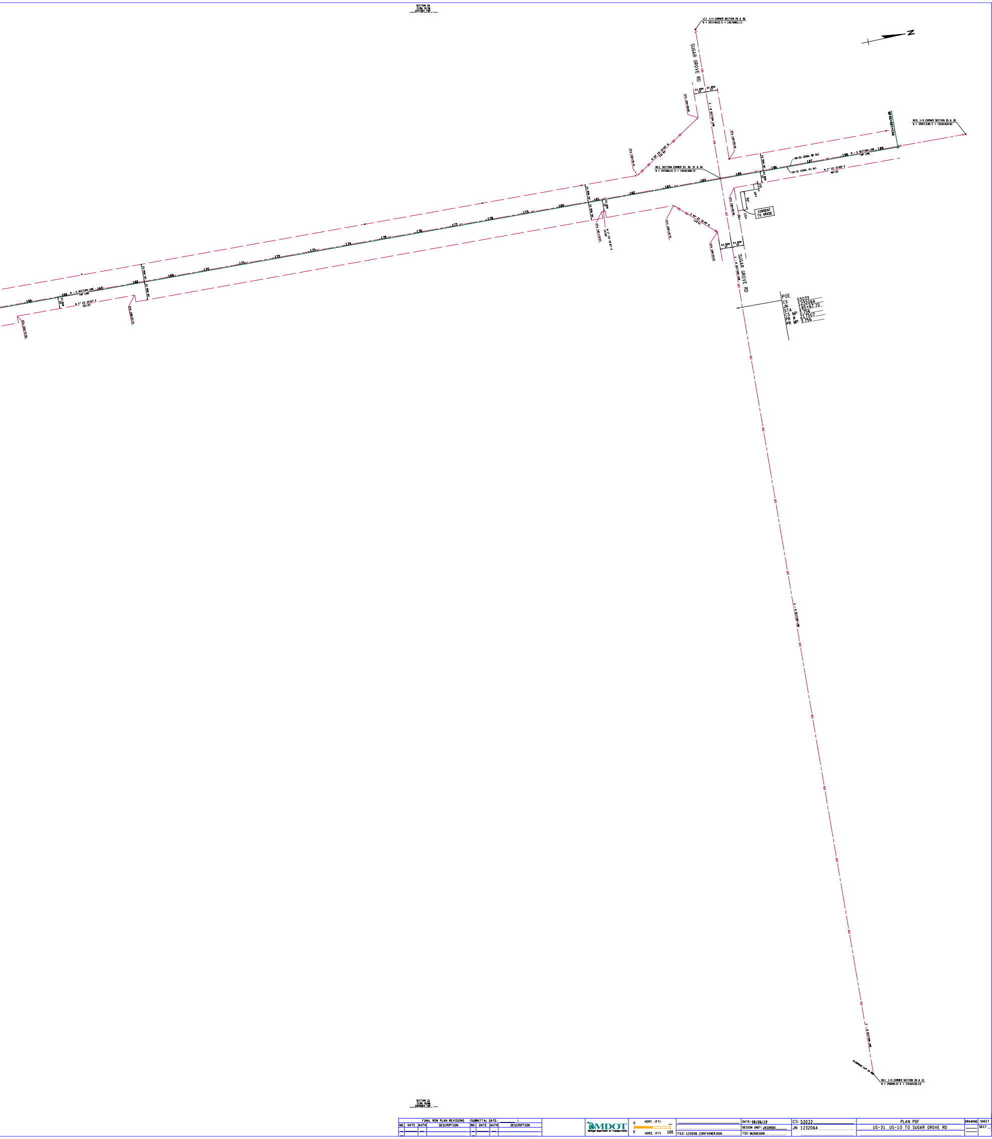
SPIRAL US-31 NON-LEGAL ALI
Δ = 2° 57' 00"
L = 236.01'
X = 235.95'
Y = 4.05'
K = 117.99'
P = 1.01'
LT = 157.36'
ST = 78.69'
CS = 1044+50.88 N = 241,830.40 E = 19,179,200.84
PI = 1045+29.57 N = 241,871.20 E = 19,179,268.12
ST = 1046+86.89 N = 241,945.77 E = 19,179,406.70
EX & PROP Δ = .39%

SPIRAL US-31 NON-LEGAL ALI
Δ = 2° 57' 01"
L = 236.01'
X = 235.95'
Y = 4.05'
K = 117.99'
P = 1.01'
LT = 157.36'
ST = 78.69'
TS = 1054+47.69 N = 242,305.75 E = 19,180,075.64
PI = 1056+05.05 N = 242,380.32 E = 19,180,214.21
SC = 1056+83.70 N = 242,421.12 E = 19,180,281.50
EX & PROP Δ = .42%


NE 1/4 CORNER SECTION 11 & 12
N = 244127.83 E = 19176106.10
SECTION 12
T18N, R17W
LE 1/4 CORNER SECTION 1 & 12
N = 246580.09 E = 19178706.46
HANSEN RD
MAIN ST
CURVE US-31 LEGAL (A) ALI
Δ = 61° 09' 57" (LT)
D = 2° 30' 01"
T = 1,354.32'
L = 2,446.37'
R = 2,291.58'
E = 370.28'
PC = 55+84.08 N = 242,370.38 E = 19,180,195.74
PI = 69+38.40 N = 243,012.15 E = 19,181,388.35
PT = 80+30.45 N = 244,366.41 E = 19,181,401.30
EX SUPER = 6.2%
CURVE US-31 NON-LEGAL ALI
Δ = 54° 51' 14" (LT)
D = 2° 30' 00"
T = 1,189.28'
L = 2,194.04'
R = 2,291.71'
E = 290.21'
SC = 1056+83.70 N = 242,421.12 E = 19,180,281.50
PI = 1068+72.98 N = 243,037.85 E = 19,181,298.37
CS = 1078+77.74 N = 244,224.36 E = 19,181,379.47
EX & PROP SUPER = 6.2%
NS. SECTION CORNER 7, 12, 13 & 18
N = 241244.86 E = 19181371.22
PI=1068+72.98
PI=69+38
SPIRAL US-31 NON-LEGAL ALI
Δ = 2° 57' 01"
L = 236.01'
X = 235.95'
Y = 4.05'
K = 117.99'
P = 1.01'
LT = 157.36'
ST = 78.69'
CS = 1078+77.74 N = 244,224.36 E = 19,181,379.47
PI = 1079+56.43 N = 244,302.86 E = 19,181,384.83
ST = 1081+13.75 N = 244,460.20 E = 19,181,387.47
EX & PROP Δ = .42%
PI=1079+56.43
EQUATION
STA 80+30.45 BK =
STA 57+59.13 AH
003-007-010-00
CERES SOLUTIONS COOPERATIVE INC
PARCEL-NL
N = 243872.38 E = 19181503.46
C4 1/4 CORNER SECTION 7 & 8
N = 243750.84 E = 19186615.33
US-31 LEGAL (B) ALI
Δ = 0° 58' 45" (LT)
D = 0° 08' 32"
T = 344.13'
L = 688.25'
R = 40,274.01'
E = 1.47'
PC = 75+59.01 N = 246,167.19 E = 19,181,416.06
PI = 79+03.15 N = 246,511.27 E = 19,181,421.82
PT = 82+47.26 N = 246,855.40 E = 19,181,421.71
EX & PROP = N.C.
EX ROW 33'
PT=82+43.23
PT=82+47.26
S 34° 22' 34.34" W
201.78'
US-31 LEGAL (A) ALI
Δ = 0° 34' 04" (LT)
D = 0° 05' 00"
T = 340.14'
L = 680.28'
R = 68,656.99'
E = 0.84'
PC = 75+62.95 N = 246,171.15
PI = 79+03.09 N = 246,511.27
PT = 82+43.23 N = 246,851.42
EX = N.C.
N 30° 26' 52.72" W
195.89'
B5 1/4 CORNER SECTION 6 & 7
N = 246440.19 E = 19183995.37
SEC
PARCEL-NL
PROP ROW


N2. 1/4 CORNER SECTION 1 & 2
N = 249363.83 E = 19176146.65
SECTION 1
SECTION 6
US-31 LEGAL (B) ALI
Δ = 1° 11' 20" (RT)
D = 0° 11' 02"
T = 323.11'
L = 646.21'
R = 31,141.65'
E = 1.68'
PC = 102+13.81 N = 248,821.95 E = 19,181,421.03
PI = 105+36.92 N = 249,145.07 E = 19,181,420.92
PT = 108+60.02 N = 249,468.11 E = 19,181,427.52
EX & PROP = N.C.
PI=105+36.88
PI=105+36.92
STA 105+91.31
N2. 1/4 CORNER SECTION 1 & 6
N = 249125.34 E = 19181421.39
STA 105+00.48
STA 105+50.48
US-31 LEGAL (A) ALI
Δ = 1° 11' 20" (RT)
D = 0° 11' 02"
T = 323.11'
L = 646.21'
R = 31,141.65'
E = 1.68'
PC = 102+13.77 N = 248,821.95 E = 19,181,421.03
PI = 105+36.88 N = 249,145.07 E = 19,181,420.92
PT = 108+59.97 N = 249,468.11 E = 19,181,427.52
EX = N.C.
N 0° 01' 10" W
N 0° 01' 10" W
US-31 LEGAL (B) ALI
US-31 LEGAL (A) ALI
SEC
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
E = 19,181,418.57
E = 19,181,421.82
E = 19,181,421.71
C2. 1/4 CORNER SECTION 5 & 6
N = 248968.04 E = 19186672.67


L1 1/4 CORNER SECTION 36 & 1
N = 251065.96 E = 19178846.05
DECKER RD
DECKER RD
W13 SECTION CORNER 1, 6, 31 & 36
N = 251767.67 E = 19181473.33
N 35° 11' 0.99" E
228.76'
STA 133+95.92
STA 131+92.26
EX ROW 50'
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
SEC
E - S SECTION LINE
TWP LINE
013-031-020-30
BERGNER JACOB TRUSTEE
US-31
+52.46
+18.56
146.19'
N88°54'51"E
145.16'
S88°55'40"W
104.79'
S88°24'21"E
101.1'
N88°22'55"W
33.13'
N3°50'25"W
33.05'
N1°59'18"W
PARCEL-NL
PROP ROW FOR
DRAINAGE STRUCTURE
STA 144+95.67
N 1° 8' 57.45" E
514.82'
N 1° 10' 10" E
N 1° 10' 10" E
STA 150+00.45
US-31 LEGAL (B) ALT
US-31 LEGAL (A) ALT
B12 1/4 CORNER SECTION 31 & 36
N = 254417.15 E = 19181526.40
STA 158+10.90
SECTION 31
T19N R18E
SHERMAN TWP
B13 1/4 CORNER SECTION 6 & 31
C12 1/4 CORNER SECTION 31 & 32


SECTION 36
T10N R17W
VICTORY TWP
L11. 1/4 CORNER SECTION 25 & 36
N = 257149.53 E = 19178951.11
SUGAR GROVE RD
EX ROW 33'
EX ROW 33'
E - W SECTION LINE
STA 184+28.83
STA 184+93.40
STA 182+35.41
N 32° 19' 24.00" W
231.93'
B11. SECTION CORNER 25, 30, 31 & 36
N = 257066.41 E = 19181580.73
POT=189+59.80
M10. 1/4 CORNER SECTION 25 & 30
N = 259713.85 E = 19181634.93
US-31 LEGAL (B) ALI
US-31 LEGAL (A) ALI
N - S SECTION LINE
TWP LINE
N 1° 10' 22.69" E
467.25'
EX ROW 50'
EX ROW 33'
15'
50'
19+
20+
26+
CONSENT TO GRADE
STA 184+82.59
STA 183+10.75
S 42° 33' 35.49" E
142.51'
STA 184+25.82
EX ROW 33'
EX ROW 33'
STA 181+19.92
N 1° 10' 22.87" E
10.00'
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
N 1° 10' 22.87" E
331.22'
STA 166+12.80
STA 168+03.72
EX ROW 50'
EX ROW 50'
SEC
POE
CS: 53033
JN: 123206A
STA: 185+67.70
CS MP: 3.756
PR #: 217507
PR MP: 3.756
ALUMINUM CAP IN MON
B11. 1/4 CORNER SECTION 30 & 31
N = 256994.37 E = 19184102.10
SECTION 31
T10N R16W
SHERMAN TWP
N

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE: ________)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

MDOT
Michigan Department of Transportation

0 VERT. (FT)
0 HORZ. (FT) 100

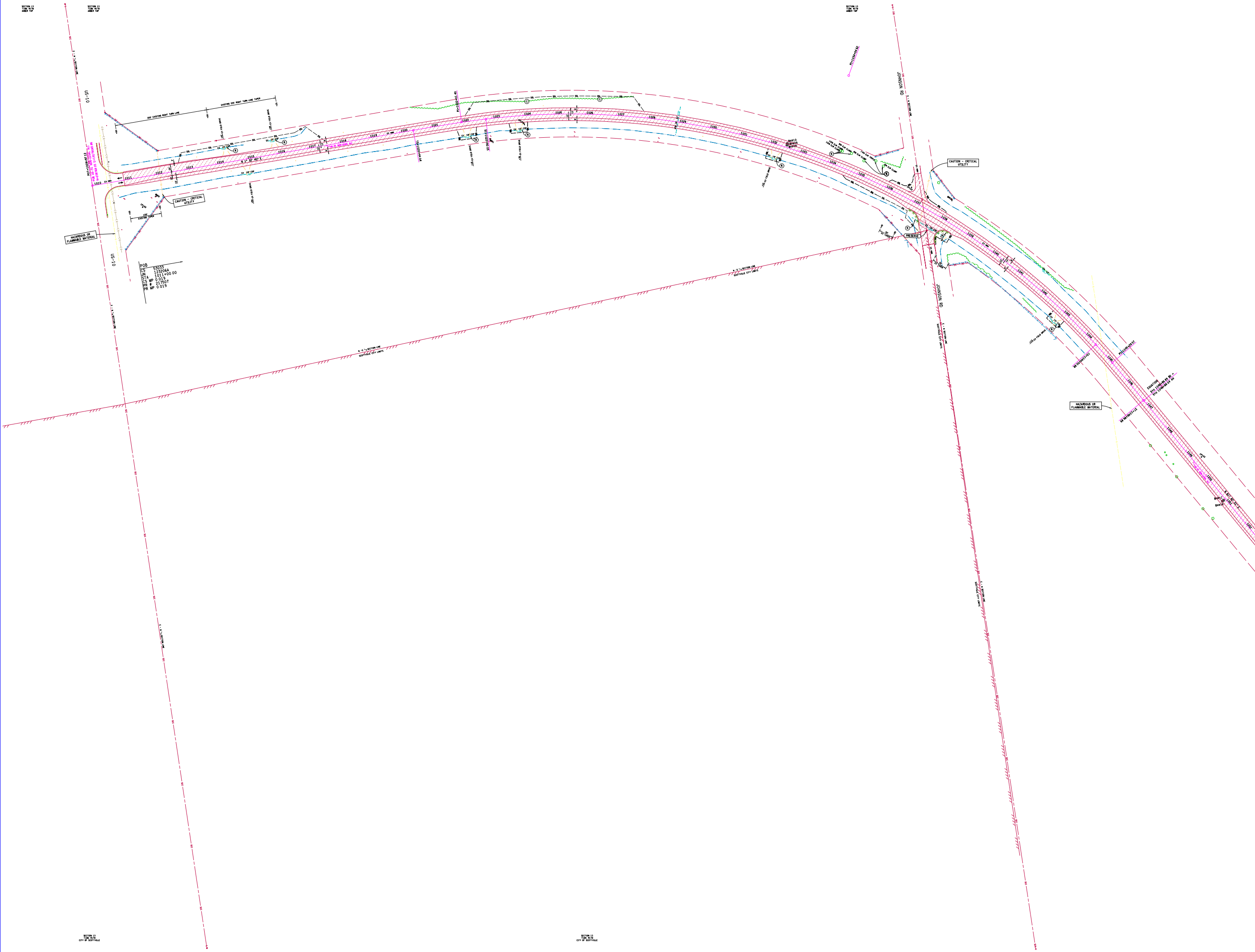
FILE: 123206_CONTAINER.DGN

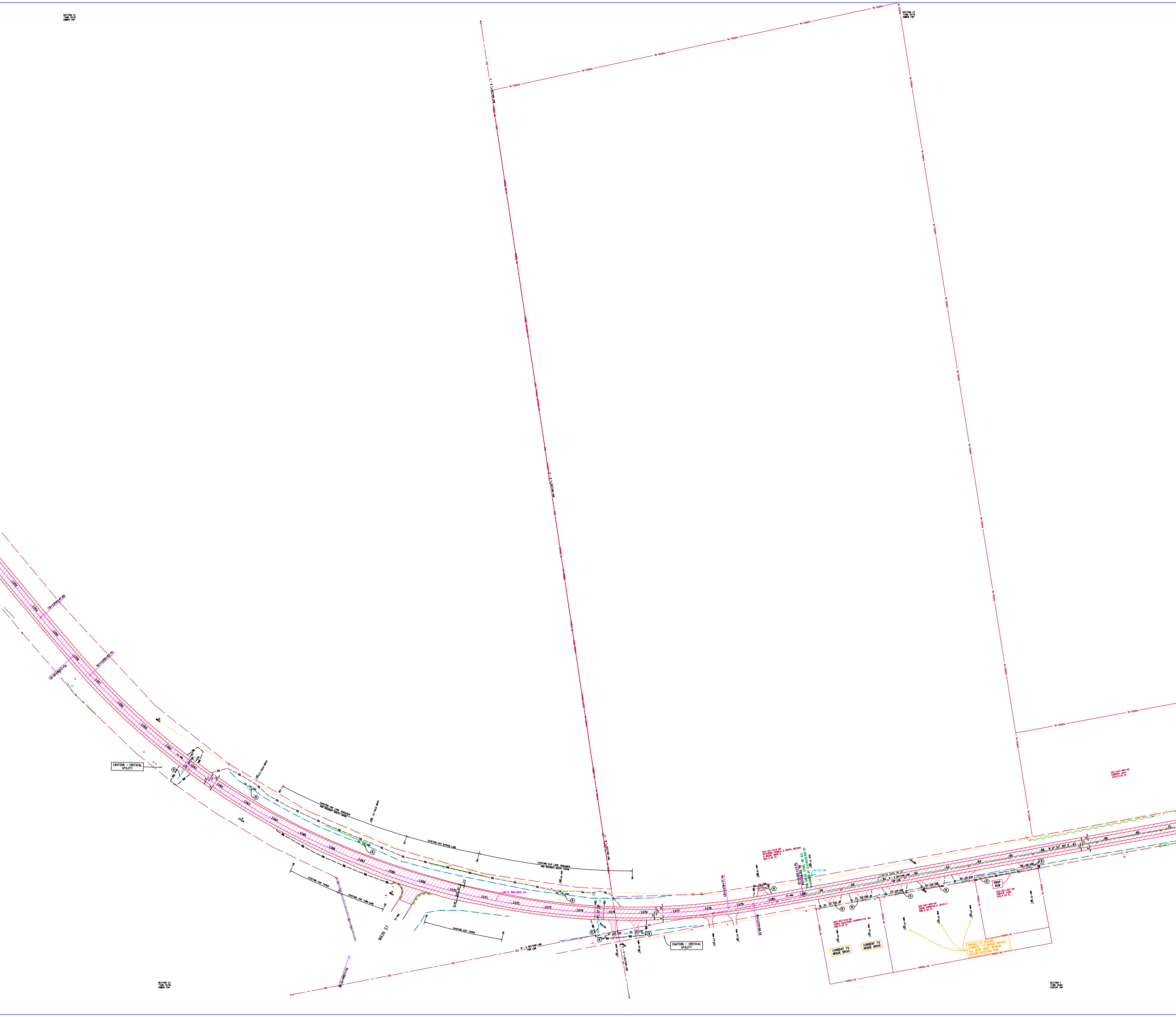
DATE: 08/06/19
DESIGN UNIT: JASINSKI
TSC: MUSKEGON

CS: 53033
JN: 123206A

PLAN PDF
US-31, US-10 TO SUGAR GROVE RD

DRAWING	SHEET
	SECT _


SECTION 13
T18N R17W
AMBER TWP
SECTION 13
T18N R17W
AMBER TWP
SECTION 13
T18N R17W
AMBER TWP
US-10
US-10
JOHNSON RD
JOHNSON RD
E - W SECTION LINE
E - W SECTION LINE
N - S ¼ SECTION LINE
SCOTTVILLE CITY LIMITS
300' EXISTING RIGHT TURN LANE
EXISTING 225' RIGHT TURN LANE TAPER
100' EXISTING TAPER
POT=1009+97.12
POB US-31 NON-LEGAL ALT
N=238768.05 E=19178065.66
1010
EX HMA
1011
1012
1013
1014
1015
1016
N 1° 32' 40" E
EX 15" CSP
EX 18" CSP
SSL
EX FIELD DRIVE
CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL
POB
CS: 53033
JN: 123206A
STA: 1011+00.00
CS MP: 0.019
PR #: 217507
PR MP: 0.019
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040
1041
1042
1043
1044
1045
1046
1047
1048
PI=1034+54.62
10IN ELM CLUMP
8IN ELM CLUMP
14IN ELM TRIPLE
CAUTION - CRITICAL UTILITY
PRESERVE
50' EX TAPER
CS=1044+50.69
PI=1045+29.57
EQUATION
Sta 1046+86.69 BK =
Sta 1046+88.04 AH
ST=1046+86.69
HAZARDOUS OR FLAMMABLE MATERIAL
SECTION 13
T18N R17W
CITY OF SCOTTVILLE
SECTION 13
T18N R17W
CITY OF SCOTTVILLE


SECTION 12
T18N R17W
AMBER TWP
SECTION 12
T18N R17W
AMBER TWP
TS=1054+47.89
SC=1056+85.70
1053
1054
1055
1056
1057
1058
1059
1060
1061
1062
1063
1064
1065
1066
1067
1068
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1072
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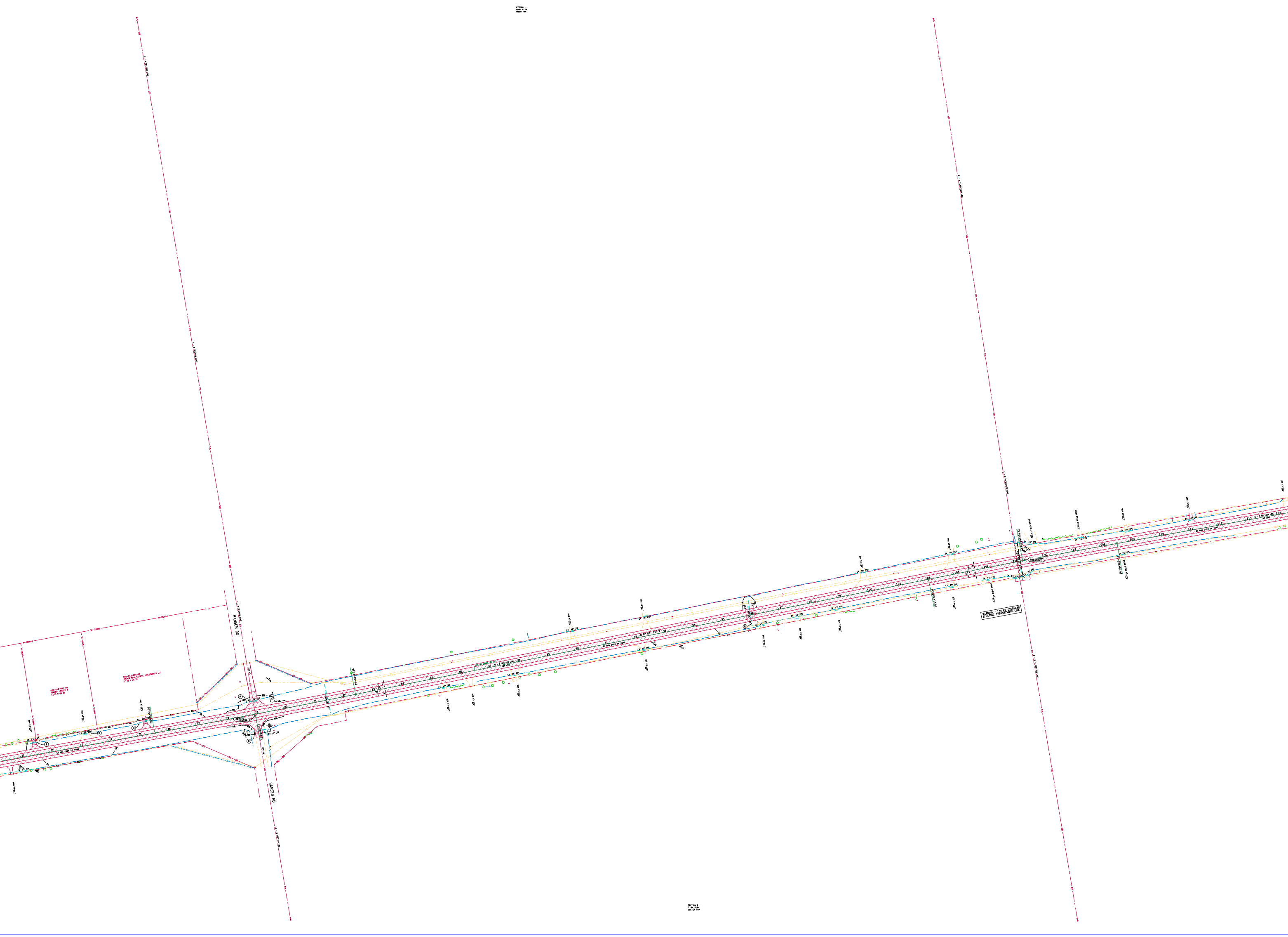
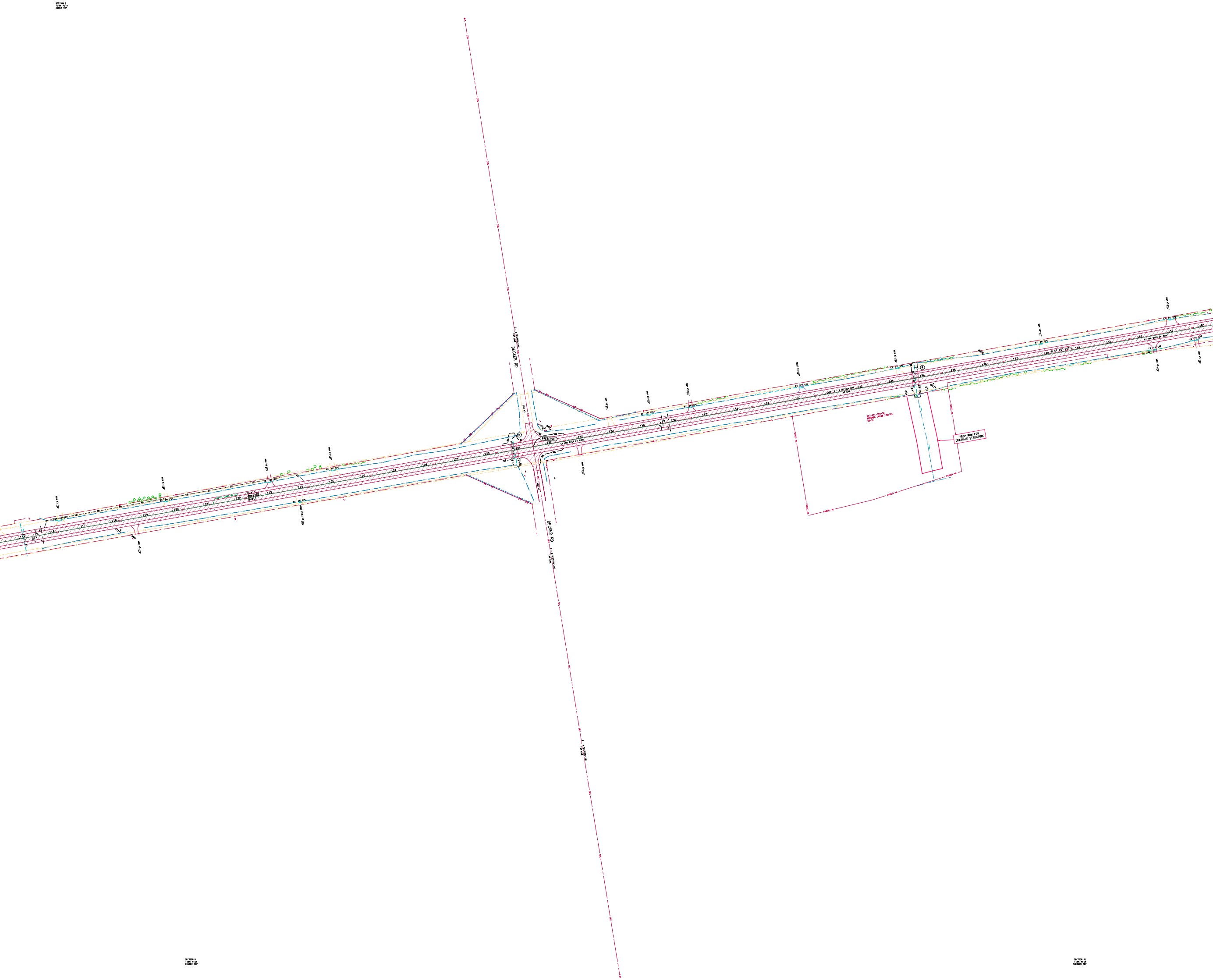
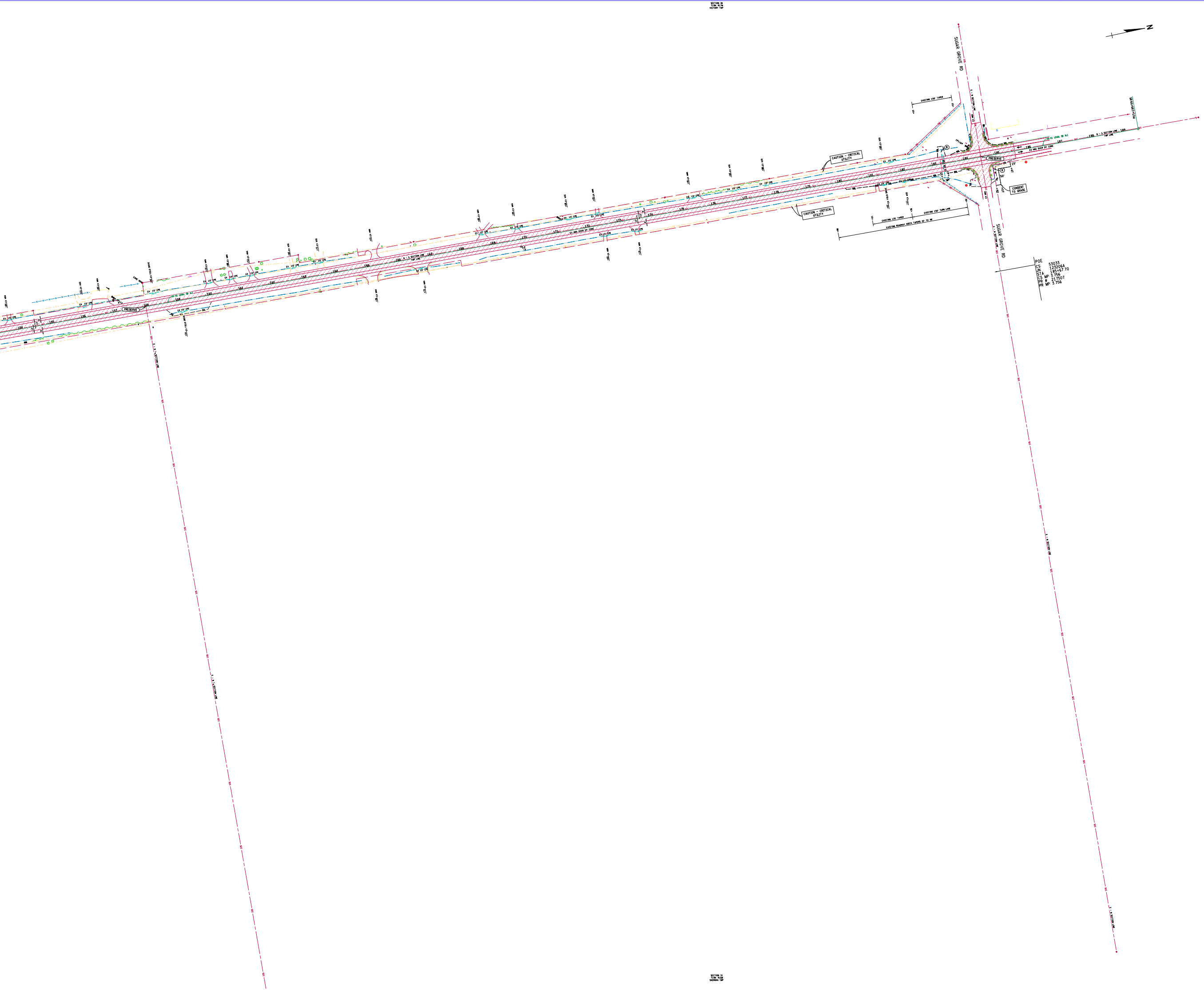
1074
1075
1076
1077
1078
1079
1080
1081
CAUTION - CRITICAL UTILITY
EX FIELD DRIVE
EXISTING 440' LANE SHOULDER AND ROADWAY WIDTH TAPER
EXISTING 243' BYPASS LANE
EXISTING 510' LANE SHOULDER AND ROADWAY WIDTH TAPER
EXISTING 150' TAPER
EXISTING 150' TURN LANE
EXISTING 235' TAPER
MAIN ST
EX HMA
EX AGG
EX 15" CSP
US-31 NON-LEGAL ALI
N - S SECTION LINE
TWP LINE
SEC
FO
SSL
CS=1078+77.74
PI=1079+56.43
ST=1081+13.75
POT=58+51.79
POB US-31 LEGAL (B) ALI
N=244460.20 E=19181587.47
US-31 LEGAL (B) ALI
001-012-010-00
PETERSEN PAMELA & REEDS MICHAEL
& REEDS MARK D
855 N US 31
CAUTION - CRITICAL UTILITY
59
60
61
62
63
64
65
66
67
68
69
70
N 0° 57' 35" E
PROP ROW
003-007-001-00
PORTER CARA
978 N US 31
003-007-009-00
ZEHR DONOVAN & JOYCE E
936 N US 31
003-007-010-00
CERES SOLUTIONS COOPERATIVE INC
908 N US 31
CONSENT TO GRADE DRIVE
CONSENT TO GRADE DRIVE
UNABLE TO SECURE CONSENT TO GRADE DRIVES. ALL WORK MUST REMAIN WITHIN EXISTING ROW.
PARCEL-NL
001-012-004-00
CURRER JACK
1075 N US 31
SECTION 7
T18N R16W
CUSTER TWP


SECTION 1
T18N R17W
AMBER TWP
001-012-001-00
FENNER JOSEPH B
1103 N US 31
001-012-005-00
FENNER REAL ESTATE INVESTMENTS LLC
1149 N US 31
PARCEL-NL
HANSEN RD
PRESERVE
EX 15" CPE
EX 15" CSP
WARNING - 138 KV OVERHEAD
ELECTRIC TRANSMISSION LINE
HANSEN RD
SECTION 6
T18N R16W
CUSTER TWP


SECTION 1
T18N R17W
AMBER TWP
DECKER RD
E - W SECTION LINE
TWP LINE
PRESERVE
EX HMA OVER 24" CONC
N - S SECTION LINE
TWP LINE
EX 15" CPE
013-031-020-30
BERGMEN JACOB TRUSTEE
US-31
PROP ROW FOR
DRAINAGE STRUCTURE
PARCEL-NL
SECTION 6
T18N R16W
CUSTER TWP
SECTION 31
T19N R16W
SHERMAN TWP


SECTION 36
T19N R17W
VICTORY TWP
N
SUGAR GROVE RD
EXISTING 150' TAPER
CAUTION - CRITICAL UTILITY
PRESERVE
CONSENT TO GRADE
CAUTION - CRITICAL UTILITY
EXISTING 125' TAPER
EXISTING 175' TURN LANE
EXISTING ROADWAY WIDTH TAPERS 12' TO 0'
SUGAR GROVE RD
PRESERVE
SEC
SECTION 31
T19N R16W
SHERMAN TWP

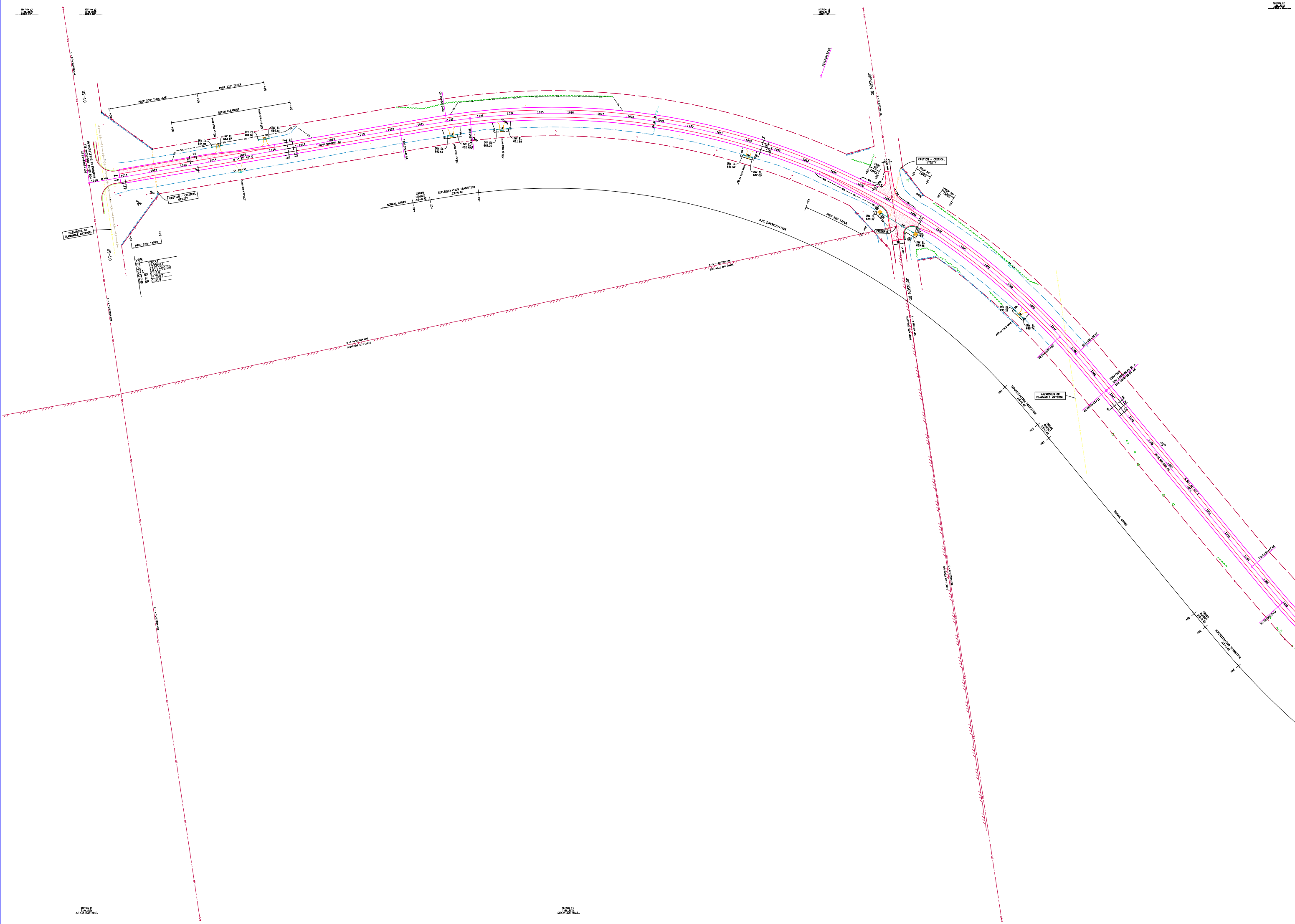
POE
CS: 53033
JN: 123206A
STA: 185+67.70
CS MP: 3.756
PR #: 217507
PR MP: 3.756

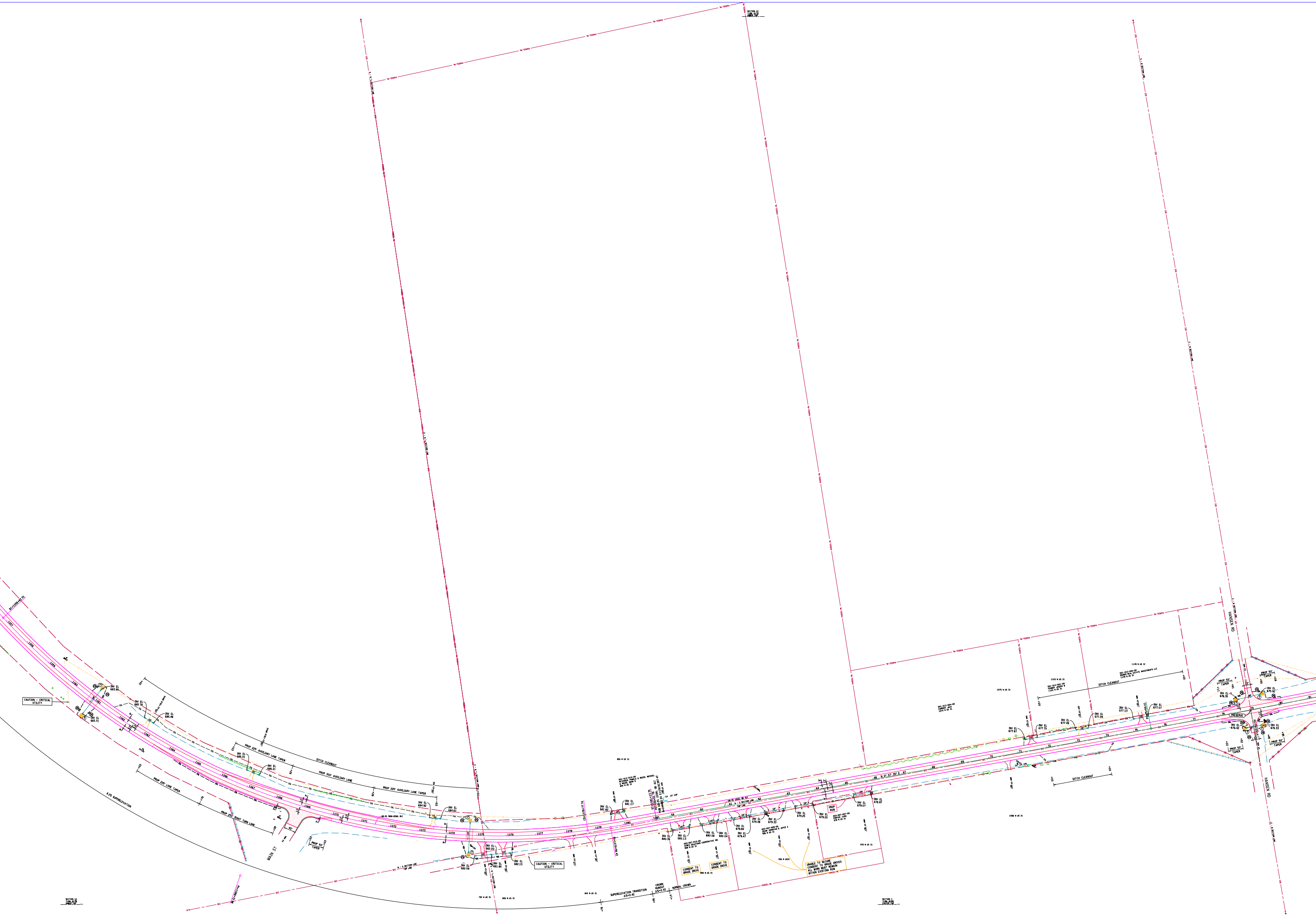
FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

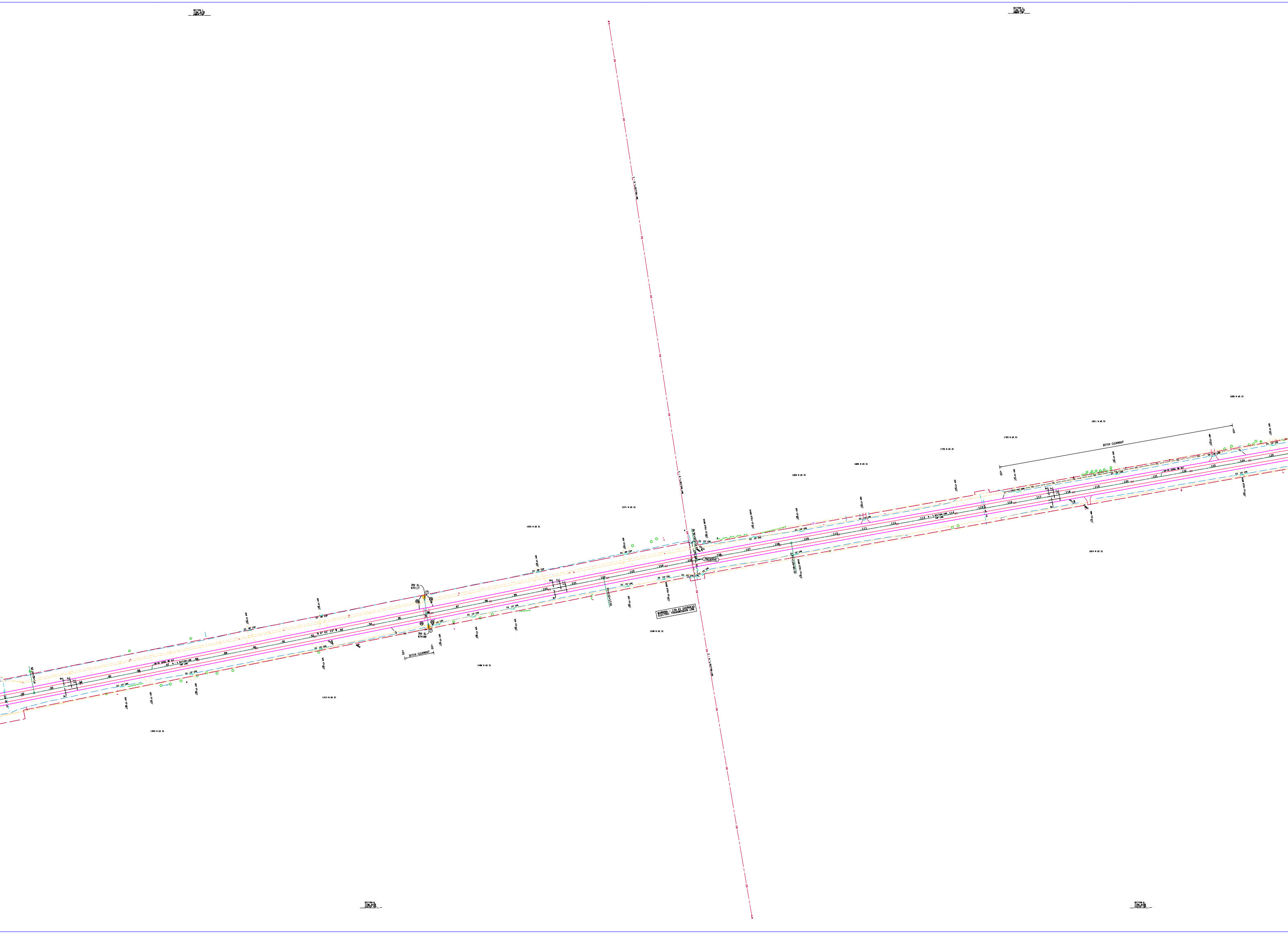
MDOT Michigan Department of Transportation

0 VERT. (FT)		DATE:08/06/19	CS: 53033	PLAN PDF
0 HORZ. (FT) 100		DESIGN UNIT:JASINSKI	JN: 123206A	US-31, US-10 TO SUGAR GROVE RD
	FILE:123206 CONTAINER.DGN	TSC: MUSKEGON		

DRAWING	SHEET
	SECT


SECTION 13
SECTION 12
US-10
PROP 300' TURN LANE
PROP 225' TAPER
DITCH CLEANOUT
INV EL 684.93
INV EL 684.77
INV EL 684.66
INV EL 684.34
POT=1009+97.12
POB US-31 NON-LEGAL ALI
1010
1011
1012
1013
1014
1015
N 1° 32' 40" E
1016
1017
1018
US-31 NON-LEGAL ALI
EX HMA
4.1'
CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL
PROP 100' TAPER
POB
CS: 53033
JN: 123206A
STA: 1011+00.00
CS MP: 0.019
PR #: 217507
PR MP: 0.019
EX 18" CSP
1019
1020
TS=1020+44.04
1021
1022
PI=1022+01.40
1023
SC=1022+84
1024
1025
1026
1027
INV EL 682.67
INV EL 682.49
INV EL 682.26
INV EL 681.99
NORMAL CROWN
CROWN RUNOUT Δ%=0.42
SUPERELEVATION TRANSITION Δ%=0.42
+44
+02
+80
6.2% SUPERELEVATION
1028
1029
1030
1031
1032
1033
INV EL 681.82
INV EL 682.00
PI=1034+54.62
JOHNSON RD
1034
1035
1036
1037
1038
1039
1040
1041
1042
20.5'
PROP 50' TAPER
+02
+52
+57
+07
CAUTION - CRITICAL UTILITY
PROP 225' TAPER
+74
+99
PRESERVE
INV EL 688.37
INV EL 689.86
13.5'
38'
EX HMA
JOHNSON RD
INV EL 695.32
INV EL 695.74
1043
1044
CS=1044+50.89
PI=1045+29.57
1045
1046
EQUATION
Sta 1046+86.89 BK =
Sta 1046+88.04 AH
ST=1046+86.89
1047
9'
12'
12'
9'
1048
1049
1050
US-31 NON-LEGAL ALI
HAZARDOUS OR FLAMMABLE MATERIAL
SUPERELEVATION TRANSITION Δ%=0.42
CROWN RUNOUT Δ%=0.42
+51
+29
+87
NORMAL CROWN
CROWN RUNOUT
SUPERELEVATION TRANSITION
+48
+26
+84
TS=1054+67.65
CITY OF SCOTTVILLE


CAUTION - CRITICAL UTILITY
INV EL 683.99
INV EL 683.71
INV EL 685.78
INV EL 685.48
INV EL 686.31
INV EL 686.21
INV EL 684.92
INV EL 684.61
PROP 225' AUXILIARY LANE TAPER
PROP 300' AUXILIARY LANE
PROP 225' AUXILIARY LANE TAPER
DITCH CLEANOUT
PROP 225' LANE TAPER
PROP 250' RIGHT TURN LANE
6.2% SUPERELEVATION
MAIN ST
40'
PROP 50' TAPER
US-31 NON-LEGAL ALI
N - S SECTION LINE
TSP LINE
SECTION 12
1057
1058
1059
1060
1061
1062
1063
1064
1065
1066
1067
1068
1069
1070
1071
1072
1073
1074
1075
1076
1077
1078
1079
1080
1081
INV EL 682.00
INV EL 680.59
INV EL 681.85
INV EL 682.15
CAUTION - CRITICAL UTILITY
INV EL 681.62
INV EL 681.17
001-012-010-00
PETERSEN PAMELA & REEDS MICHAEL
& REEDS MARK D
856 N US 31
ST=1081+13.75
POT=58+51.79
US-31 LEGAL (B) ALI
EX 15" CSP
US-31 LEGAL (B) ALI
61 N - S SECTION LINE 62
59
60
63
64
65
66 N 0° 57' 35" E 67
INV EL 680.36
INV EL 680.13
INV EL 680.08
INV EL 680.04
INV EL 679.84
INV EL 679.47
INV EL 679.38
INV EL 679.33
INV EL 679.25
INV EL 679.20
INV EL 679.07
INV EL 678.97
PROP ROW
003-007-010-00
CENEX SOLUTIONS COOPERATIVE INC
908 N US 31
003-007-009-00
ZIEHM DONOVAN & JOYCE E
936 N US 31
003-007-007-00
PORTER CARA
978 N US 31
CONSENT TO GRADE DRIVE
CONSENT TO GRADE DRIVE
UNABLE TO SECURE CONSENT TO GRADE DRIVES. ALL WORK MUST REMAIN WITHIN EXISTING ROW.
SUPERELEVATION TRANSITION Δ%=0.42
CROWN RUNOUT Δ%=0.42
NORMAL CROWN
792 N US 31
806 N US 31
842 N US 31
908 N US 31
936 N US31
978 N US 31
SECTION 2
001-012-004-00
CURRIER JACK
1075 N US 31
001-012-001-00
FENNER JOSEPH B
1103 N US 31
001-012-005-00
FENNER REAL ESTATE INVESTMENTS LLC
1149 N US 31
DITCH CLEANOUT
DITCH CLEANOUT
INV EL 677.87
INV EL 677.79
INV EL 677.49
INV EL 677.39
INV EL 677.13
INV EL 677.07
68
69
70
71
72
73
74
75
76
77
78
79
80
81
HANSEN RD
HANSEN RD
PROP 50' TAPER
PROP 50' TAPER
PROP 50' TAPER
PROP 50' TAPER
INV EL 676.35
INV EL 675.92
INV EL 676.42
INV EL 676.33
PRESERVE
22'
1066 N US 31


SECTION 1
SECTION 6
CUSTER TWP
1304 N US 31
1414 N US 31
1486 N US 31
1526 N US 31
1571 N US 31
1540 N US 31
1663 N US 31
1685 N US 31
1735 N US 31
1783 N US 31
1811 N US 31
1895 N US 31
1814 N US 31
PI=82+47.26
N 0° 01' 10" W
N - S SECTION LINE
TWP LINE
US-31 LEGAL (R) ALT
INV EL 673.17
INV EL 674.89
DITCH CLEANOUT
+00
+00
EX 40" CSP
EX 15" CPE
EX 15" CSP
EX AGG
EX FIELD DRIVE
EX HMA
PC=102+13.81
PI=105+36.92
PT=108+00.02
PRESERVE
WARNING - 138 KV OVERHEAD
ELECTRIC TRANSMISSION LINE
E - W ¼ SECTION LINE
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
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119
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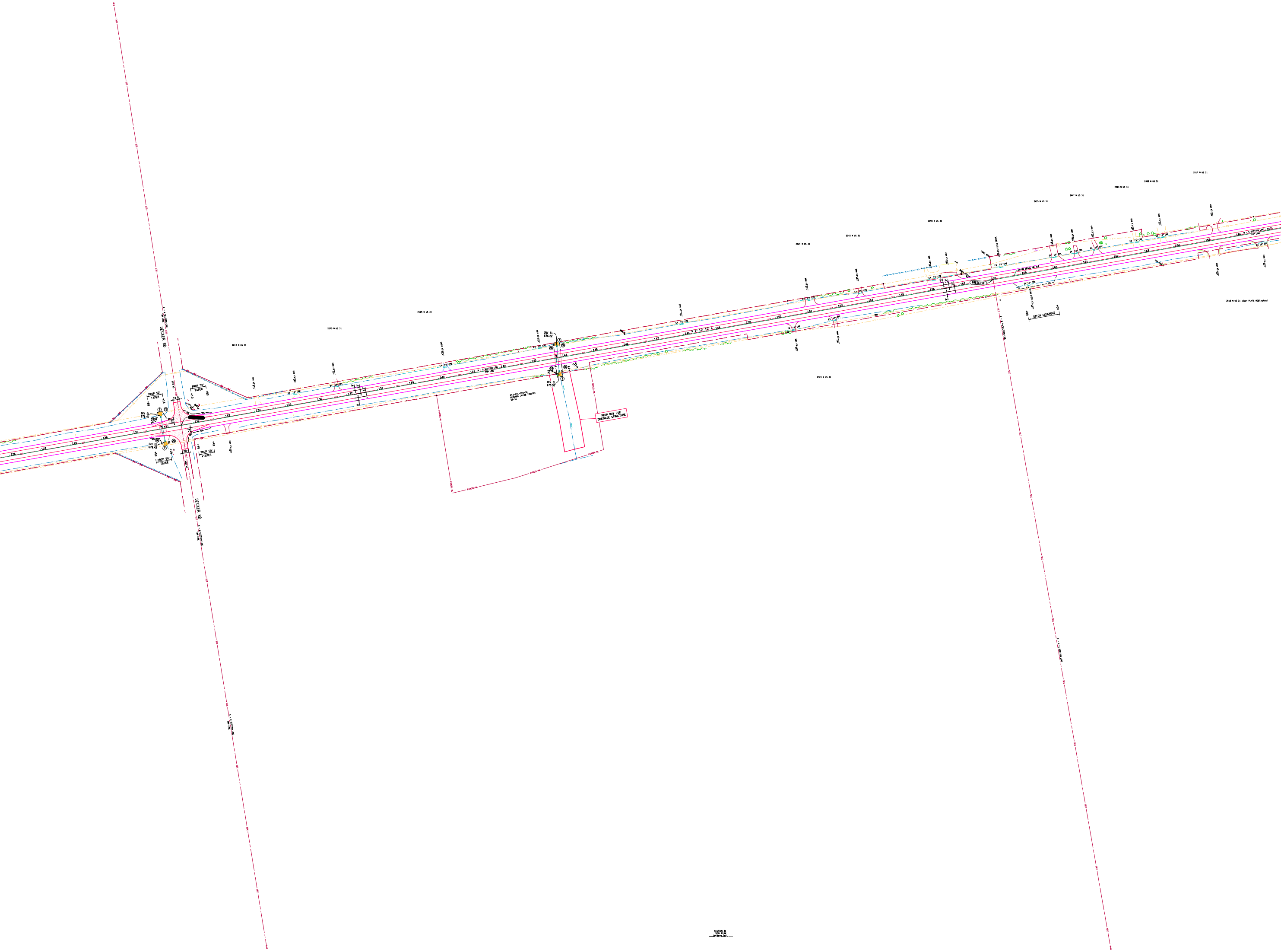
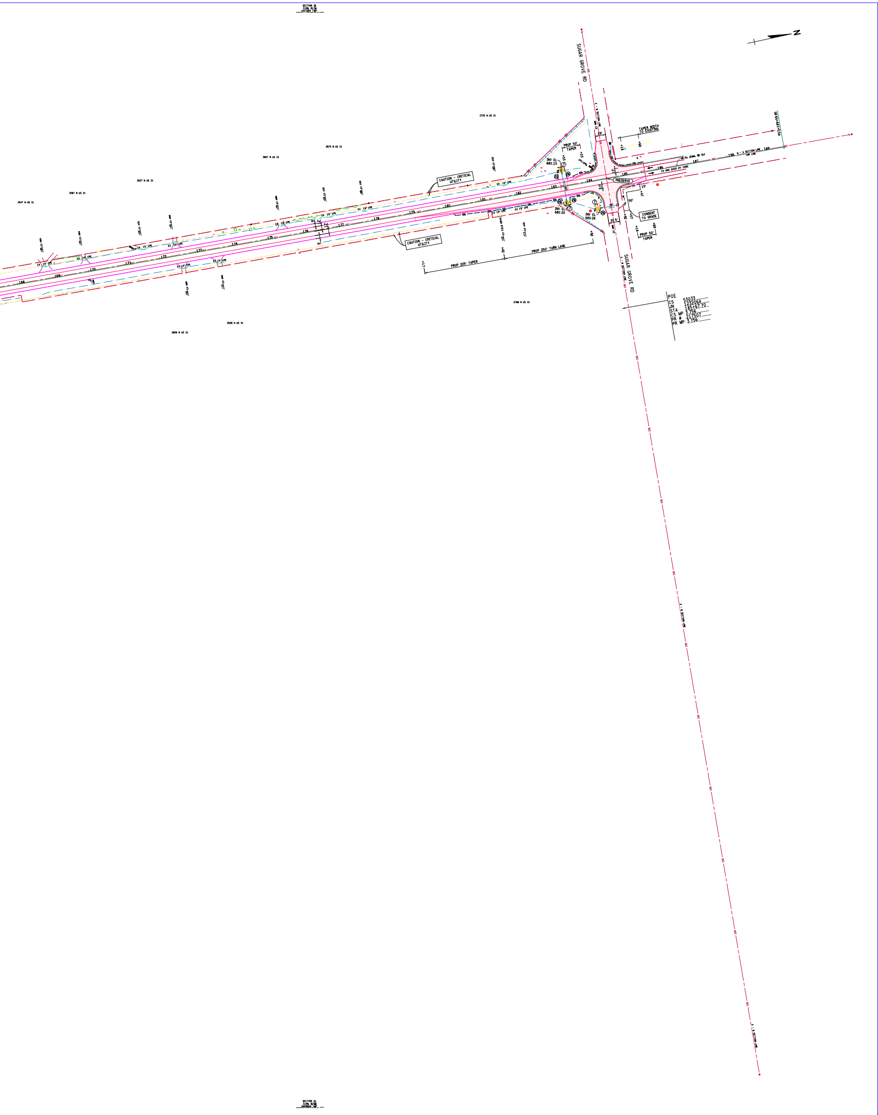
121
122
123
124
125


DECKER RD
DECKER RD
E - W SECTION LINE
TWP LINE
2013 N US 31
2075 N US 31
2125 N US 31
PROP 50' TAPER
PROP 50' TAPER
PROP 50' TAPER
PROP 50' TAPER
21.5'
20'
INV EL 678.47
INV EL 678.42
INV EL 676.22
INV EL 675.57
EX 15" CPE
N - S SECTION LINE
TWP LINE
N 1° 10' 10" E
013-031-020-30
BERGNER JACOB TRUSTEE
US-31
PROP ROW FOR DRAINAGE STRUCTURE
PARCEL-NL
2321 N US 31
2343 N US 31
2393 N US 31
2425 N US 31
2447 N US 31
2463 N US 31
2489 N US 31
2517 N US 31
2324 N US 31
2516 N US 31 JOLLY PLATE RESTAURANT
EX FIELD DRIVE
EX HMA
EX AGG
PRESERVE
US-31 LEGAL (BY AL)
DITCH CLEANOUT
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
SECTION 21
T19N R19E
SHERMAN TWP


SECTION 36
VICTORY TWP
SUGAR GROVE RD
2725 N US 31
2675 N US 31
2657 N US 31
2627 N US 31
2587 N US 31
2547 N US 31
2760 N US 31
2626 N US 31
2606 N US 31
CAUTION - CRITICAL UTILITY
CAUTION - CRITICAL UTILITY
EX 15" CPE
PROP 50' TAPER
TAPER WIDTH TO EXISTING
INV EL 680.15
INV EL 680.20
INV EL 680.26
PRESERVE
CONSENT TO GRADE
PROP 50' TAPER
PROP 250' TURN LANE
PROP 225' TAPER
EX HMA OVER 24" CONC
US-31 LEGAL RD ALI
E - W SECTION LINE
N - S SECTION LINE
29'
30.5'
15'
50'
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
POE
CS: 53033
JN: 123206A
STA: 185+67.70
CS MP: 3.756
PR #: 217507
PR MP: 3.756
SECTION 31
SHERMAN TWP

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

MDOT
Michigan Department of Transportation

0 HORZ. (FT) 100

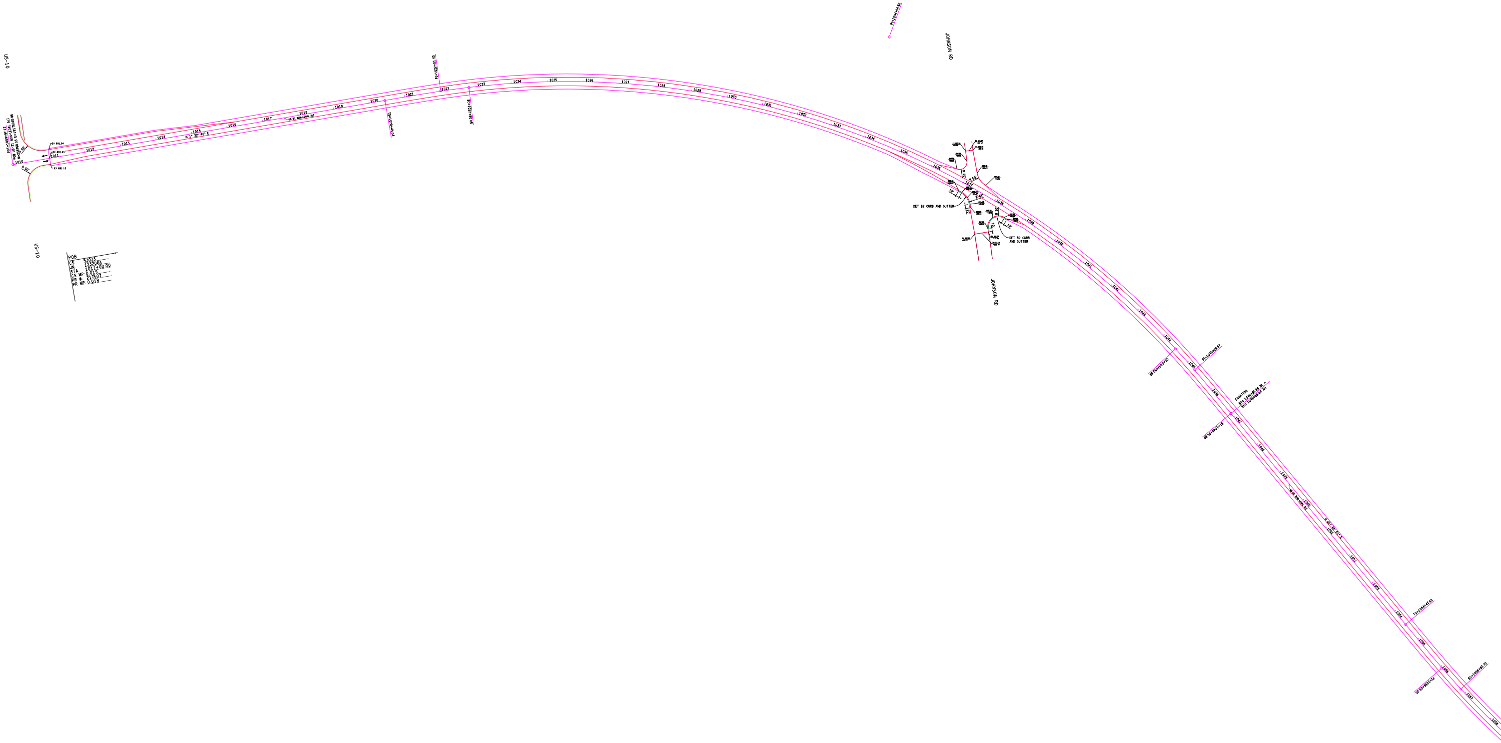
FILE: 123206_CONTAINER.DGN

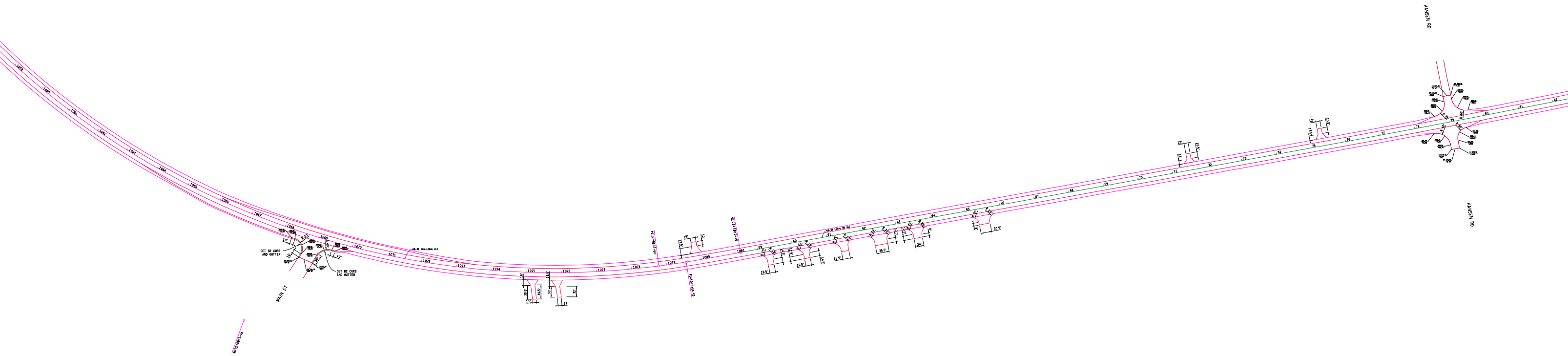
DATE: 08/06/19
DESIGN UNIT: JASINSKI
TSC: MUSKEGON

CS: 53033
JN: 123206A

PLAN PDF
US-31, US-10 TO SUGAR GROVE RD

DRAWING
SHEET
SECT.


US-10
POT=1009+97.12
POB US-31 NON-LEGAL ALI
N=238788.05 E=19178065.96
R 60'
R 50'
EX 691.04
EX 691.43
EX 691.12
1010
1011
1012
1013
1014
1015
N 1° 32' 40" E
1016
1017
US-31 NON-LEGAL ALI
1018
1019
1020
TS=1020+44.04
1021
PI=1022+01.40
1022
SC=1022+80.05
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
PI=1034+54.62
JOHNSON RD
1035
1036
R 20'
R 50'
1037
10'
R 45'
DET B2 CURB AND GUTTER
10'
1038
R 50'
10'
10'
DET B2 CURB AND GUTTER
1039
1040
JOHNSON RD
1041
1042
1043
1044
CS=1044+50.69
PI=1045+29.57
1045
1046
EQUATION
Sta 1046+86.69 BK =
Sta 1046+88.04 AH
ST=1046+86.69
1047
1048
1049
US-31 NON-LEGAL ALI
1050
N 61° 42' 51" E
1051
1052
1053
1054
TS=1054+47.69
1055
1056
PI=1056+06.05
SC=1056+83.70
1057
1058
US-10
POB
CS: 53033
JN: 123206A
STA: 1011+00.00
CS MP: 0.019
PR #: 217507
PR MP: 0.019


HANSEN RD
HANSEN RD
MAIN ST
DET B2 CURB AND GUTTER
DET B2 CURB AND GUTTER
US-31 NON-LEGAL ALI
PI=1069+72.98
CS=1078+77.74
PI=1079+56.43
ST=1081+13.75
1060
1061
1062
1063
1064
1065
1066
1067
1068
1069
1070
1071
1072
1073
1074
1075
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1080
1081
59
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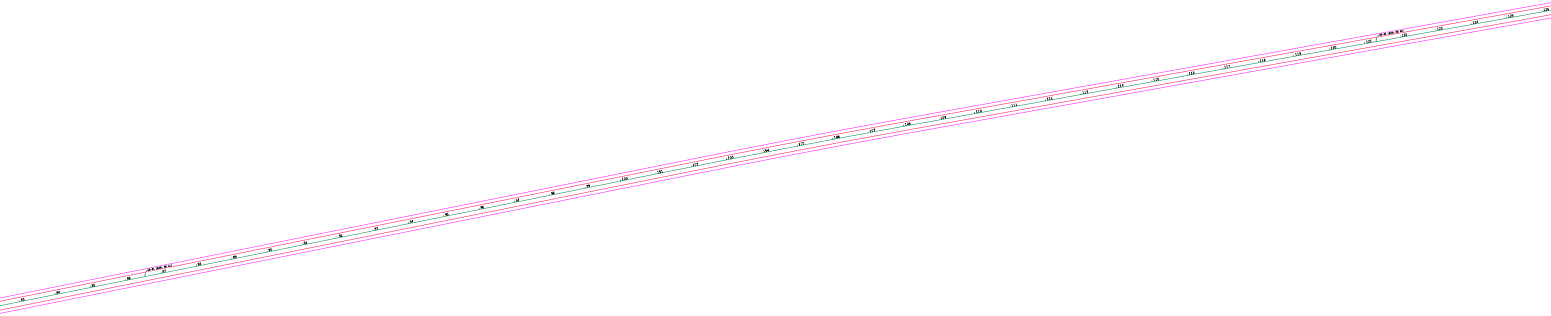
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
R 30'
R 35'
R 40'
R 50'
R 15'
R 20'
10'
30'
40'
15'
12'
16.5'
14.5'
12.5'
21.5'
30.5'


83
84
85
86
US-31 LEGAL RW ALI
87
88
89
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95
96
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99
100
101
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107
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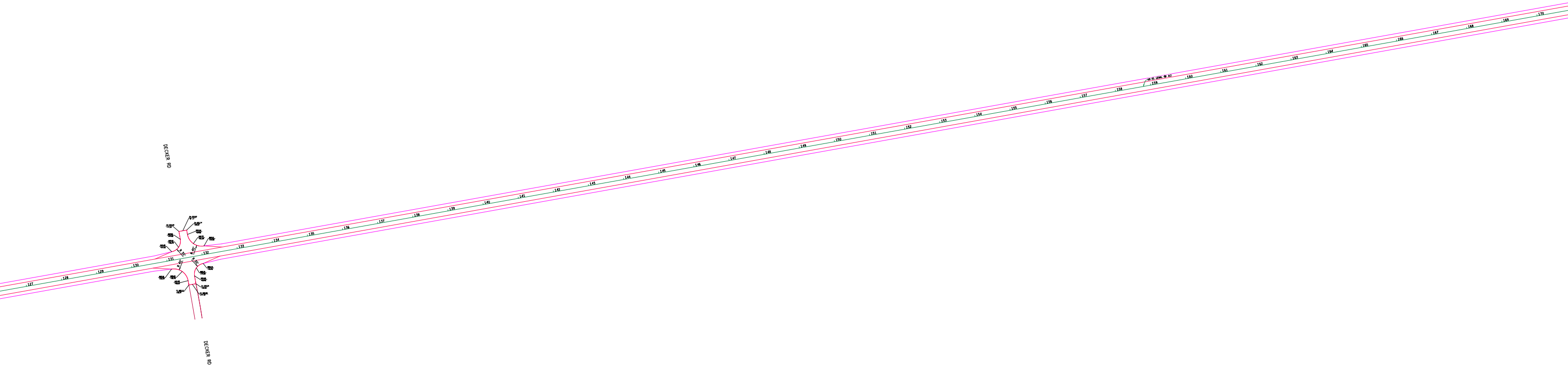
119
120
121
US-31 LEGAL RW ALI
122
123
124
125
126


DECKER RD
DECKER RD
R 30'
R 40'
R 40'
R 30'
US-31 LEGAL
127
128
129
130
131
132
133
134
135
136
137
138
139
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141
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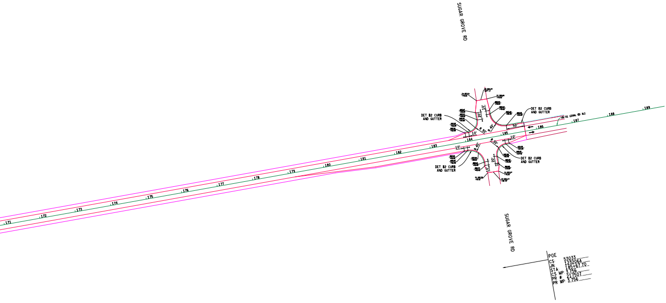
SUGAR GROVE RD
DET B2 CURB AND GUTTER
DET B2 CURB AND GUTTER
DET B2 CURB AND GUTTER
DET B2 CURB AND GUTTER
US-31 LEGAL (B) ALI
10'
20'
10'
R 30'
R 40'
50'
10'
10'
R 40'
R 30'
10'
20'
10'
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
SUGAR GROVE RD
POE
CS: 53033
JN: 123206A
STA: 185+67.70
CS MP: 3.756
PR #: 217507
PR MP: 3.756

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE: ________)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

MDOT
Michigan Department of Transportation

0 HORZ. (FT) 100

FILE: 123206 CONTAINER.DGN

DATE: 08/06/19
DESIGN UNIT: JASINSKI
TSC: MUSKEGON

CS: 53033
JN: 123206A

PLAN PDF
US-31, US-10 TO SUGAR GROVE RD

DRAWING
SHEET
SECT _