RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 291	94-14131-00-BR	VERMILION	12	3
STA. 8+07.90	TO STA. 20+94.16			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT BROS-183(86)		

CONTRACT NO. 91323

HORZ. 50 0 50 100 SCALE IN FEET

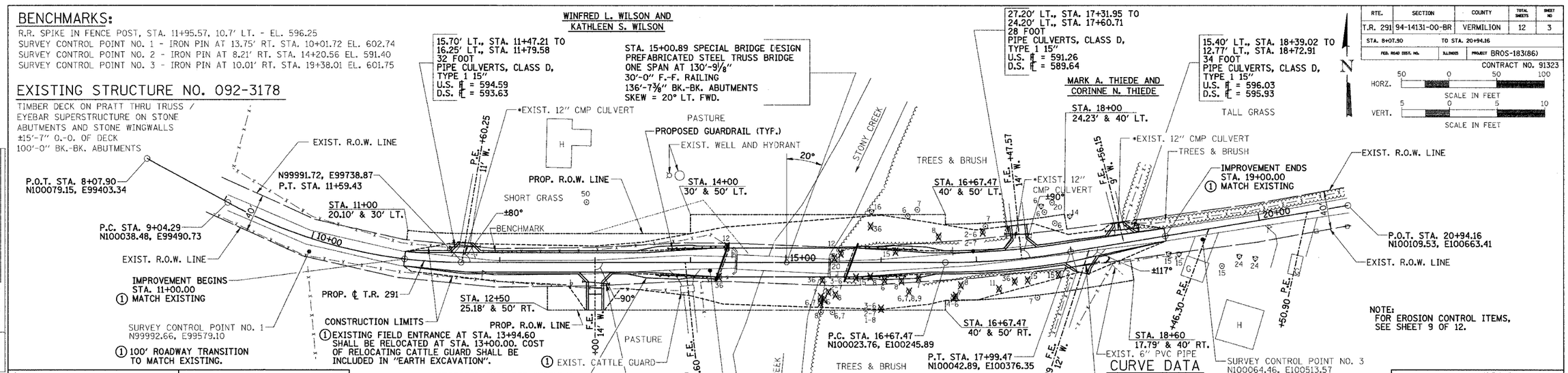
VERT. 5 0 5 10 SCALE IN FEET

BENCHMARKS:

R.R. SPIKE IN FENCE POST, STA. 11+95.57, 10.7' LT. - EL. 596.25
SURVEY CONTROL POINT NO. 1 - IRON PIN AT 13.75' RT. STA. 10+01.72 EL. 602.74
SURVEY CONTROL POINT NO. 2 - IRON PIN AT 8.21' RT. STA. 14+20.56 EL. 591.40
SURVEY CONTROL POINT NO. 3 - IRON PIN AT 10.01' RT. STA. 19+38.01 EL. 601.75

EXISTING STRUCTURE NO. 092-3178

TIMBER DECK ON PRATT THRU TRUSS / EYEBAR SUPERSTRUCTURE ON STONE ABUTMENTS AND STONE WINGWALLS
±15'-7" O.-O. OF DECK
100'-0" BK.-BK. ABUTMENTS



CURVE DATA

CURVE NO. 1

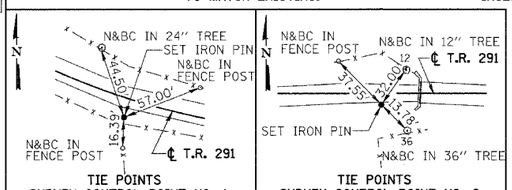
P.I. STA. 10+34.57
Δ = 28° 34' 23" (LT.)
D = 11° 11' 57"
T = 130.28'
R = 511.61'
L = 255.14'
E = 16.33'
P.C. STA. 9+04.29
P.T. STA. 11+59.43

19.94' RT., STA. 12+87.00 TO 22.40' RT., STA. 13+15.00
28 FOOT PIPE CULVERTS, CLASS D, TYPE 1 15"
U.S. FL = 590.94
D.S. FL = 590.14

CURVE DATA

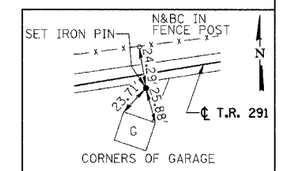
CURVE NO. 2

P.I. STA. 17+33.62
Δ = 9° 27' 13" (LT.)
D = 7° 09' 43"
T = 66.15'
R = 800.00'
L = 132.00'
E = 2.73'
P.C. STA. 16+67.47
P.T. STA. 17+99.47
S.E. = 4.0%
S.E. ATTAINED STA. 16+00.80 TO STA. 17+00.80
S.E. REMOVED STA. 17+66.14 TO STA. 18+66.14



TIE POINTS
SURVEY CONTROL POINT NO. 1
N99992.66, E99579.10
STA. 10+01.72, 13.75' RT.

TIE POINTS
SURVEY CONTROL POINT NO. 2
N100000.00, E100000.00
STA. 14+20.56, 8.21' RT.



TIE POINTS
SURVEY CONTROL POINT NO. 3
N100064.46, E100513.57
STA. 19+38.01, 10.01' RT.

EARTHWORK SUMMARY

EARTH EXCAVATION = 295 CU. YD.
CHANNEL EXCAVATION = 217 CU. YD.
STRUCTURE EXCAVATION = 145 CU. YD.
FURNISHED EXCAVATION = 899 CU. YD.

FOR INFORMATION ONLY

MATERIAL REQUIRED FOR EMBANKMENT (NOT A PAY ITEM) = 1392 CU. YD.
EXCAVATED MATERIAL ADJUSTED FOR SHRINKAGE:
(295 + 217 + 145) (0.75) SHRINKAGE = 493 CU. YD.
FURNISHED EXCAVATION REQUIRED:
1392 - 493 = 899 CU. YD.

SEEDLING NOTES:

1. SEEDLING PLANTING LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER.
2. ALL SEEDLINGS SHALL BE 2-0 SEEDLINGS.
3. SEEDLINGS SHOULD BE INTERMIXED IN A BAG AND PLANTED AT RANDOM AND IN ACCORDANCE WITH SECTION 253 OF THE STANDARD SPECIFICATIONS. PLANTING IN STRAIGHT LINES OR GRID PATTERNS SHALL BE AVOIDED.

SEEDLINGS

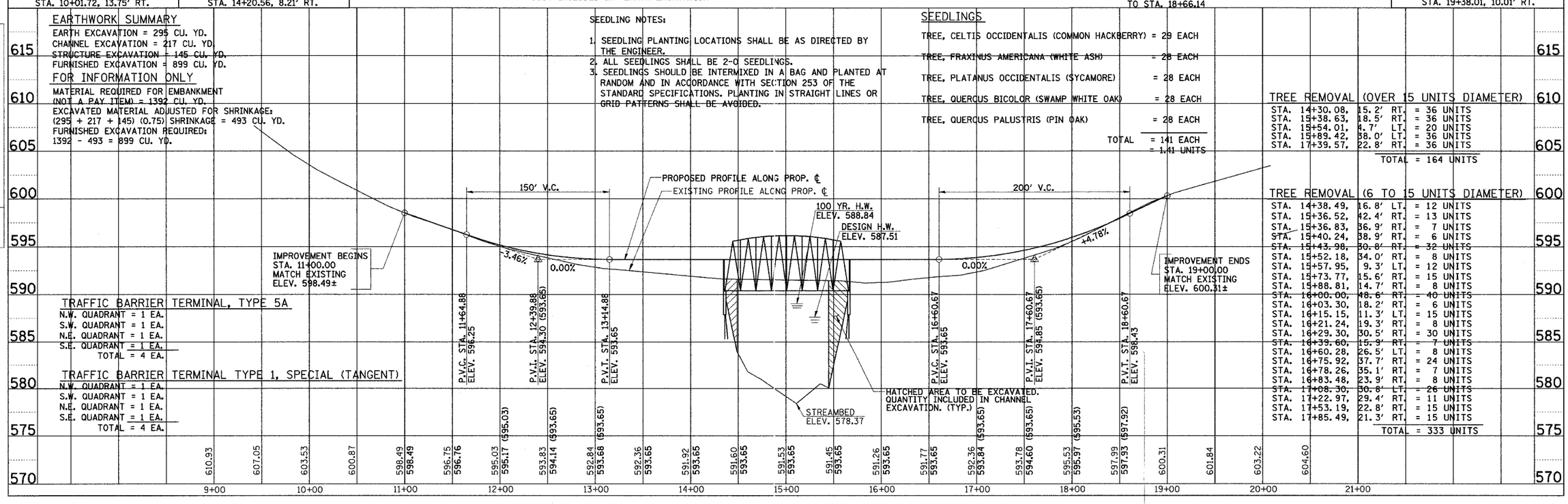
TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY) = 29 EACH
TREE, FRAXINUS AMERICANA (WHITE ASH) = 28 EACH
TREE, PLATANUS OCCIDENTALIS (SYCAMORE) = 28 EACH
TREE, QUERCUS BICOLOR (SWAMP WHITE OAK) = 28 EACH
TREE, QUERCUS PALUSTRIS (PIN OAK) = 28 EACH
TOTAL = 141 EACH
= 1.41 UNITS

TREE REMOVAL (OVER 15 UNITS DIAMETER)

STA. 14+30.08,	15.2'	RT.	= 36 UNITS
STA. 15+38.63,	18.5'	RT.	= 36 UNITS
STA. 15+54.01,	4.7'	LT.	= 20 UNITS
STA. 15+89.42,	38.0'	LT.	= 36 UNITS
STA. 17+39.57,	22.8'	RT.	= 36 UNITS
		TOTAL	= 164 UNITS

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

STA. 14+38.49,	16.8'	LT.	= 12 UNITS
STA. 15+36.52,	42.4'	RT.	= 13 UNITS
STA. 15+36.83,	36.9'	RT.	= 7 UNITS
STA. 15+40.24,	38.9'	RT.	= 6 UNITS
STA. 15+43.98,	30.8'	RT.	= 32 UNITS
STA. 15+52.18,	34.0'	RT.	= 8 UNITS
STA. 15+57.95,	9.3'	LT.	= 12 UNITS
STA. 15+73.77,	15.6'	RT.	= 15 UNITS
STA. 15+88.81,	14.7'	RT.	= 8 UNITS
STA. 16+00.00,	48.6'	RT.	= 40 UNITS
STA. 16+03.30,	18.2'	RT.	= 6 UNITS
STA. 16+15.15,	11.3'	LT.	= 15 UNITS
STA. 16+21.24,	19.3'	RT.	= 8 UNITS
STA. 16+29.30,	30.5'	RT.	= 30 UNITS
STA. 16+39.60,	15.9'	RT.	= 7 UNITS
STA. 16+60.28,	26.5'	LT.	= 8 UNITS
STA. 16+75.92,	37.7'	RT.	= 24 UNITS
STA. 16+78.26,	35.1'	RT.	= 7 UNITS
STA. 16+83.48,	23.9'	RT.	= 8 UNITS
STA. 17+08.30,	30.8'	LT.	= 26 UNITS
STA. 17+22.97,	29.4'	RT.	= 11 UNITS
STA. 17+53.19,	22.8'	RT.	= 15 UNITS
STA. 17+85.49,	21.3'	RT.	= 15 UNITS
		TOTAL	= 333 UNITS



TRAFFIC BARRIER TERMINAL, TYPE 5A

N.W. QUADRANT = 1 EA.
S.W. QUADRANT = 1 EA.
N.E. QUADRANT = 1 EA.
S.E. QUADRANT = 1 EA.
TOTAL = 4 EA.

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)

N.W. QUADRANT = 1 EA.
S.W. QUADRANT = 1 EA.
N.E. QUADRANT = 1 EA.
S.E. QUADRANT = 1 EA.
TOTAL = 4 EA.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF W.A.Y. CHECKED / COORD. FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. — BY — DATE