

5/28/99

PROJECT REFERENCE NO. R-2514B	SHEET NO. 33
ROADWAY DESIGN ENGINEER DANIEL W. GARDNER, JR. SEAL 033871 4/16/2015	HYDRAULICS ENGINEER DANIEL W. GARDNER, JR. SEAL 019660 4/16/2015

-Y2-

BM 51 ELEVATION 41.48'
N 417792 E 2525690
EYA STATION 31+26.77' LEFT
-Y2- 25+96.72' LEFT
RR SPIKE IN TWIN 24" GUM TREE

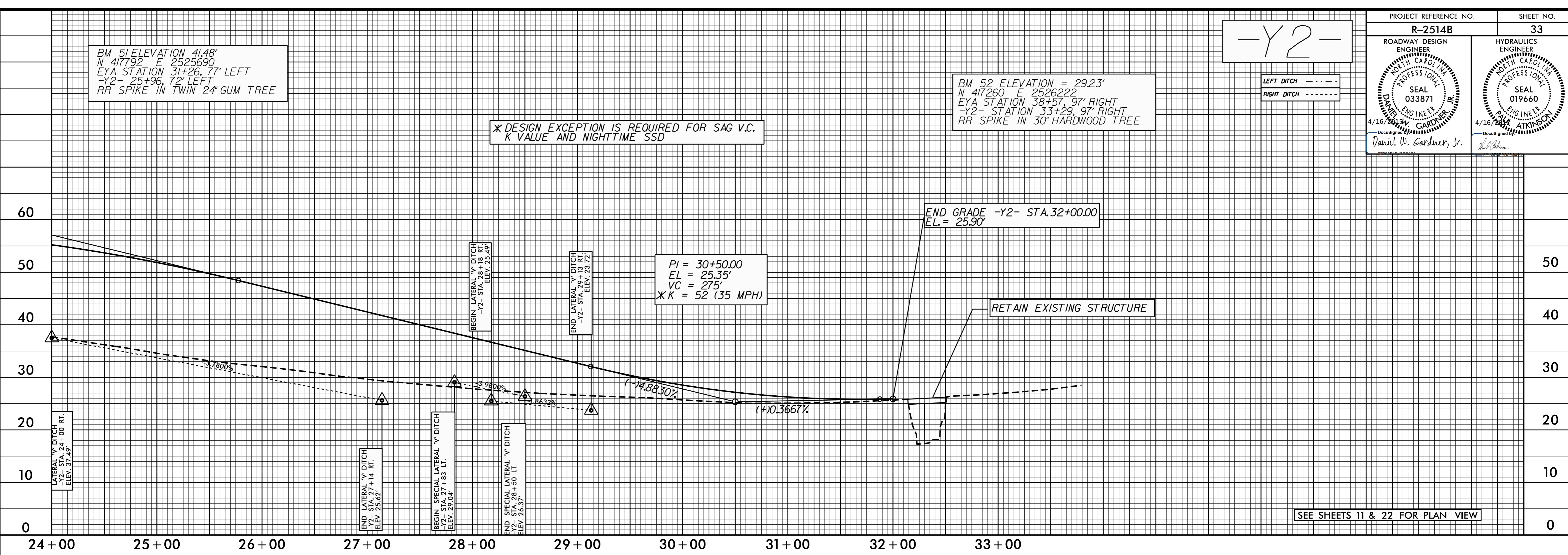
BM 52 ELEVATION = 29.23'
N 417260 E 2526222
EYA STATION 38+57.97' RIGHT
-Y2- STATION 33+29.97' RIGHT
RR SPIKE IN 30" HARDWOOD TREE

* DESIGN EXCEPTION IS REQUIRED FOR SAG V.C.
K VALUE AND NIGHTTIME SSD

PI = 30+50.00
EL = 25.35'
VC = 275'
* K = 52 (35 MPH)

END GRADE -Y2- STA. 32+00.00
EL = 25.90'

RETAIN EXISTING STRUCTURE



SEE SHEETS 11 & 22 FOR PLAN VIEW

-Y2A-

PIPE HYDRAULIC DATA

DRAINAGE AREA	=	7.0 AC
DESIGN FREQUENCY	=	25 YRS
DESIGN DISCHARGE	=	16.8 CFS
DESIGN HW ELEVATION	=	39.0 FT
100 YEAR DISCHARGE	=	19.7 CFS
100 YEAR HW ELEVATION	=	39.6 FT
OVERTOPPING FREQUENCY	=	50+/- YRS
OVERTOPPING DISCHARGE	=	18 CFS
OVERTOPPING ELEVATION	=	39.2 FT

PIPE HYDRAULIC DATA

DRAINAGE AREA	=	12.6 AC
DESIGN FREQUENCY	=	25 YRS
DESIGN DISCHARGE	=	30 CFS
DESIGN HW ELEVATION	=	38.9 FT
100 YEAR DISCHARGE	=	36 CFS
100 YEAR HW ELEVATION	=	39.3 FT
OVERTOPPING FREQUENCY	=	500+ YRS
OVERTOPPING DISCHARGE	=	42 CFS
OVERTOPPING ELEVATION	=	39.8 FT

PIPE HYDRAULIC DATA

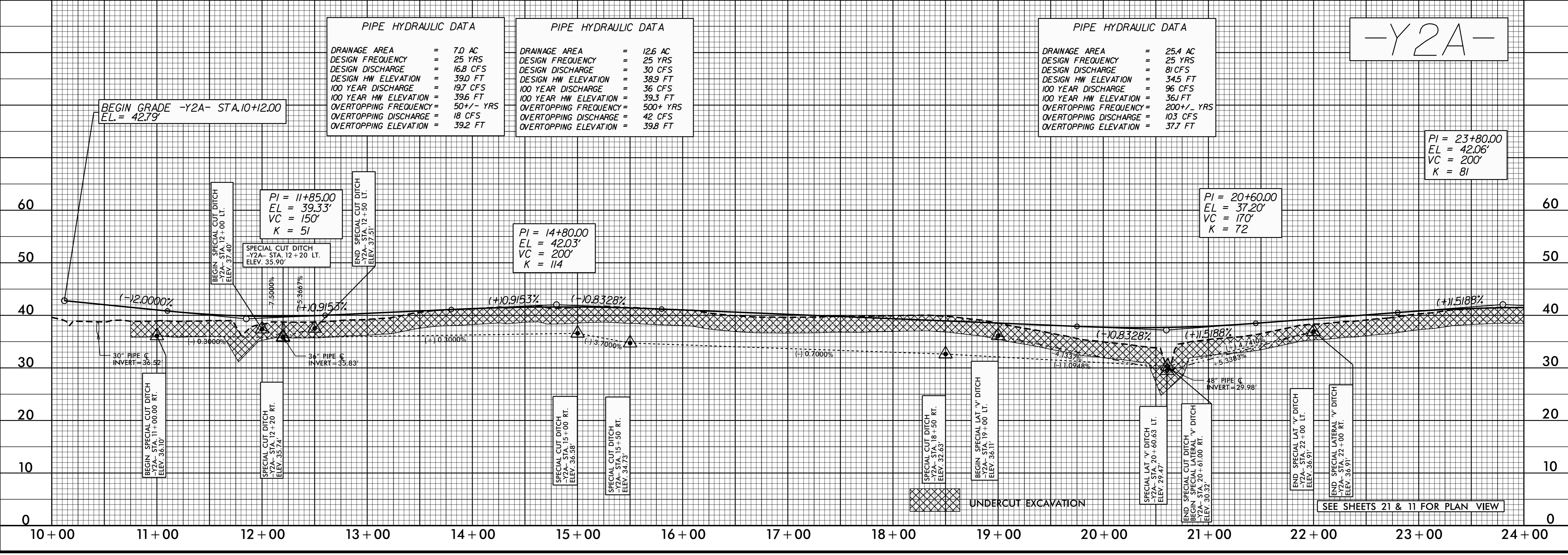
DRAINAGE AREA	=	25.4 AC
DESIGN FREQUENCY	=	25 YRS
DESIGN DISCHARGE	=	81 CFS
DESIGN HW ELEVATION	=	34.5 FT
100 YEAR DISCHARGE	=	96 CFS
100 YEAR HW ELEVATION	=	36.1 FT
OVERTOPPING FREQUENCY	=	200+/- YRS
OVERTOPPING DISCHARGE	=	103 CFS
OVERTOPPING ELEVATION	=	37.7 FT

PI = 23+80.00
EL = 42.06'
VC = 200'
K = 81

PI = 20+60.00
EL = 37.20'
VC = 170'
K = 72

PI = 14+80.00
EL = 42.03'
VC = 200'
K = 114

PI = 11+85.00
EL = 39.33'
VC = 150'
K = 51



SEE SHEETS 21 & 11 FOR PLAN VIEW

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