

5/28/21

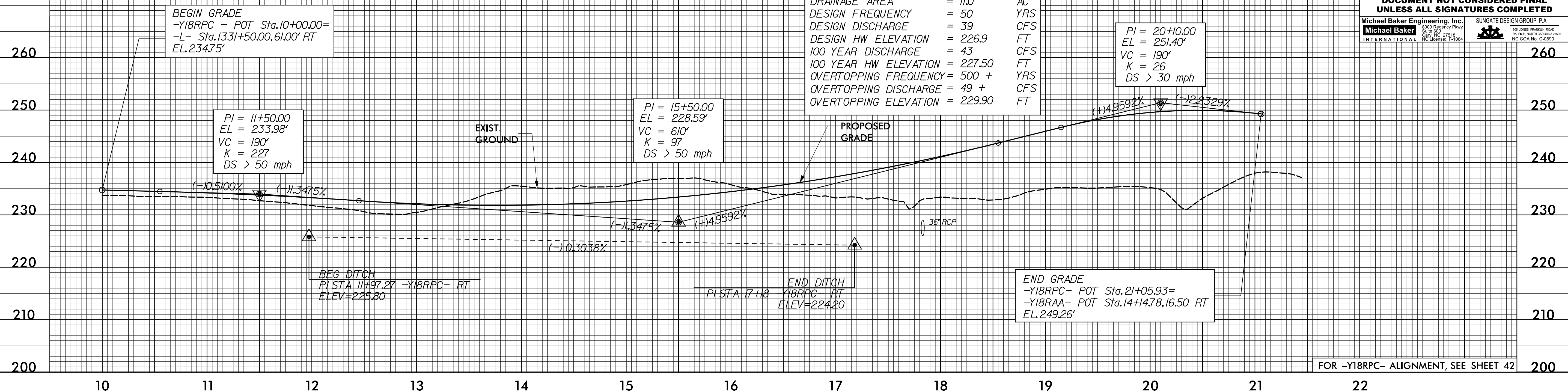
PROJECT REFERENCE NO. 1-5986B	SHEET NO. 133
ROADWAY DESIGN ENGINEER SUSAN C LANCASTER Professional Seal SEAL 027373 SUSAN C LANCASTER 5/11/2021	HYDRAULICS ENGINEER JOSHUA G DIXON Professional Seal SEAL 26971 JOSHUA G DIXON 5/11/2021

-Y18RPC-

PIPE HYDRAULIC DATA
36" RCP Sta. 17+89 -Y18RPC-

DRAINAGE AREA	= 11.0	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 39	CFS
DESIGN HW ELEVATION	= 226.9	FT
100 YEAR DISCHARGE	= 43	CFS
100 YEAR HW ELEVATION	= 227.50	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 49 +	CFS
OVERTOPPING ELEVATION	= 229.90	FT

PI = 20+10.00
EL = 251.40'
VC = 190'
K = 26
DS > 30 mph



FOR -Y18RPC- ALIGNMENT, SEE SHEET 42

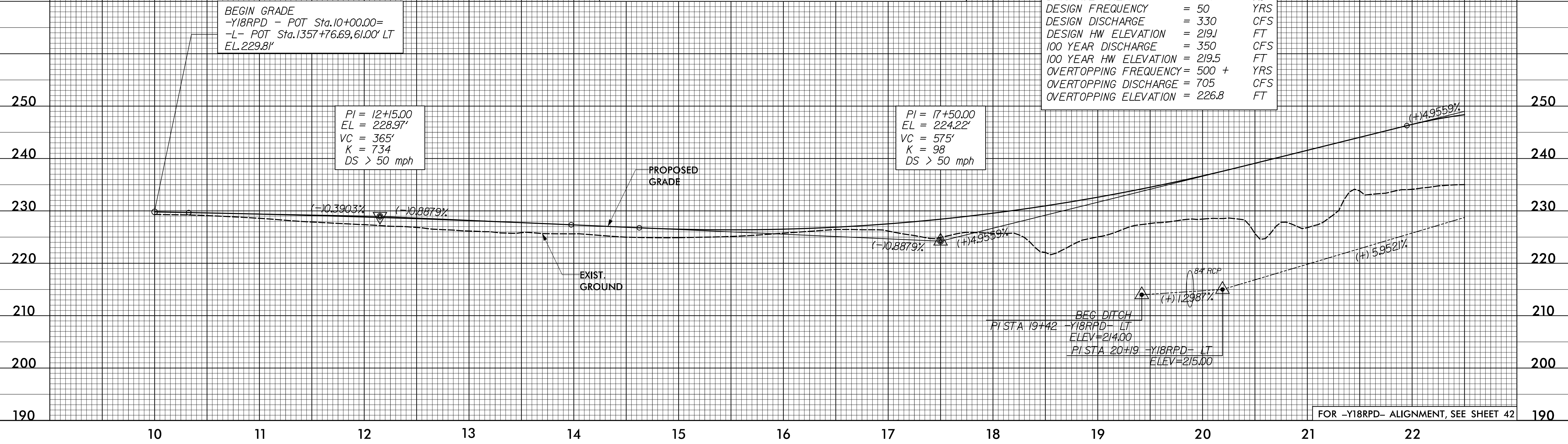
-Y18RPD-

PIPE HYDRAULIC DATA
84" RCP Sta. 19+88 -Y18RPD-

DRAINAGE AREA	= 373	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 330	CFS
DESIGN HW ELEVATION	= 219.1	FT
100 YEAR DISCHARGE	= 350	CFS
100 YEAR HW ELEVATION	= 219.5	FT
OVERTOPPING FREQUENCY	= 500 +	YRS
OVERTOPPING DISCHARGE	= 705	CFS
OVERTOPPING ELEVATION	= 226.8	FT

PI = 12+50.00
EL = 228.97'
VC = 365'
K = 734
DS > 50 mph

PI = 17+50.00
EL = 224.22'
VC = 575'
K = 98
DS > 50 mph



FOR -Y18RPD- ALIGNMENT, SEE SHEET 42

12-MAR-2021 09:28 1-5986B-Rdy-pfl-4-Sheets-Y.dgn