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8/17/99

REVISIONS

BRIDGE NO. 63

PROJECT REFERENCE NO.	SHEET NO.
17BPJ4.R180	UC-4

DESIGNED BY: ARV
DRAWN BY: BJF
CHECKED BY: RLB
APPROVED BY:
REVISED:

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

UTILITIES ENGINEERING SEC.
PHONE:(919)707-6690
FAX:(919)250-4151

NORTH CAROLINA PROFESSIONAL SEAL 049764 ENGINEER ALEXANDER R. VINSON
Signed by: ALEXANDER R. VINSON
6/25/2021

UTILITY CONSTRUCTION PLANS ONLY

UTILITY CONSTRUCTION

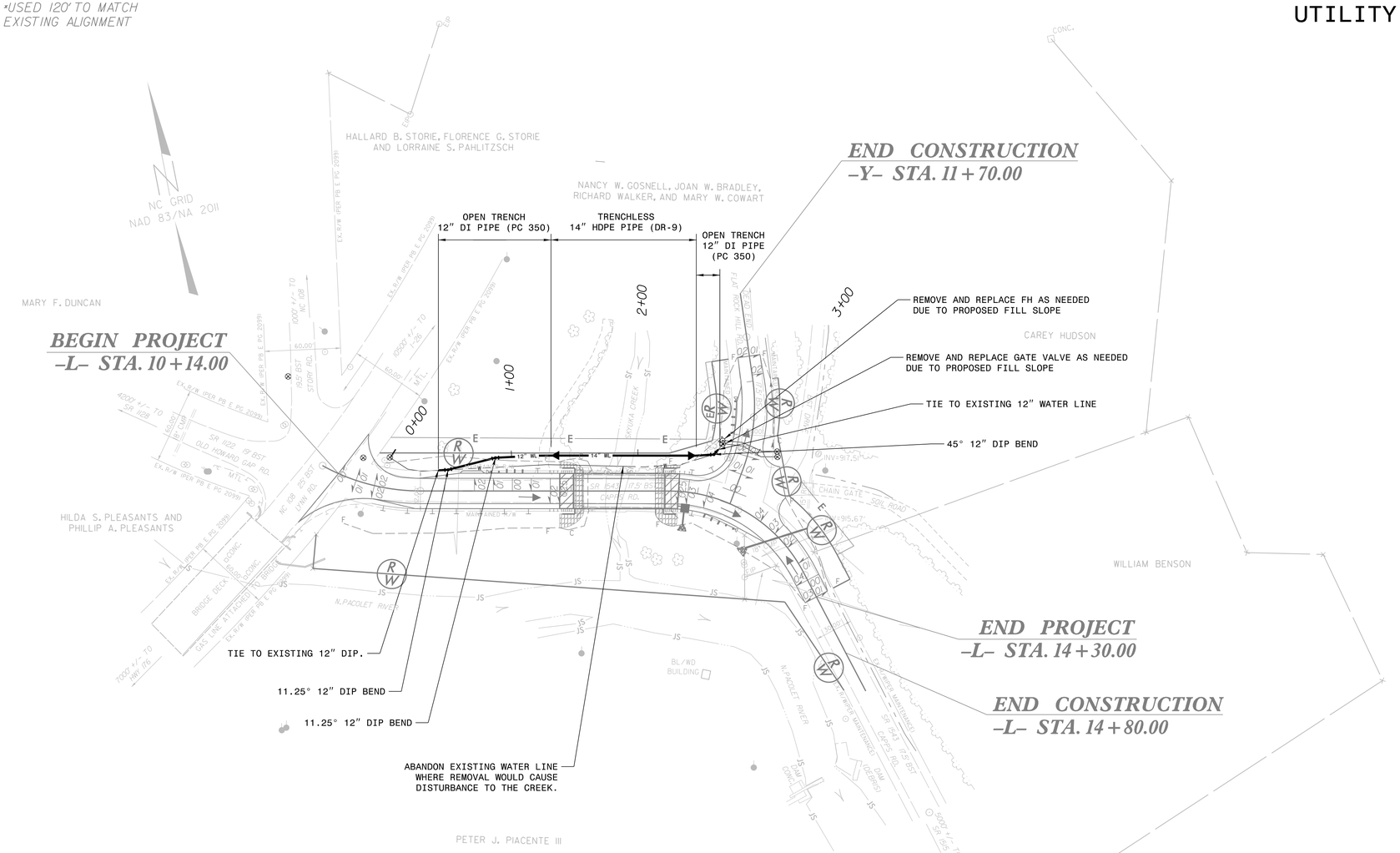
-L- CURVE DATA

PI Sta 10+41.27
△ = 28° 55′ 40.4″ (LT)
D = 35° 48′ 35.5″
L = 80.78′
T = 41.27′
R = 160.00′
SE = N/A

PI Sta 13+50.17
△ = 62° 17′ 20.0″ (RT)
D = 47° 44′ 47.3″
L = 130.46′
T = 72.52′
R = 120.00′*
SE = 04
*USED 120′ TO MATCH EXISTING ALIGNMENT

-Y- CURVE DATA

PI Sta 10+66.30
△ = 28° 46′ 37.3″ (LT)
D = 39° 30′ 51.6″
L = 72.83′
T = 37.20′
R = 145.00′
SE = 04



TOTAL BILL OF MATERIALS

	12" WATER LINE	14" WATER LINE	DUCTILE IRON WATER PIPE FITTINGS	12" VALVES	FIRE HYDRANT	REMOVE 12" UTILITY PIPE	DIRECTIONAL DRILL 14" HDPE PIPE
	LIN. FT.	LIN. FT.	LBS.	EACH	EACH	LIN. FT.	LIN. FT.
TOTAL	110	115	1265	1	1	230	115

SCALE 1" = 50'

50' 0' 50' 100' 150'

NOTE: PRIOR TO COMMENCING ANY WORK ON ANY TRENCHLESS INSTALLATION ON THIS PROJECT, PROVIDE A DESIGN FOR THE TRENCHLESS INSTALLATION CERTIFIED BY AN ENGINEER LICENSED BY THE STATE OF NORTH CAROLINA, AS REQUIRED BY SUBARTICLE 1550-3(B) OF THE STANDARD SPECIFICATIONS.