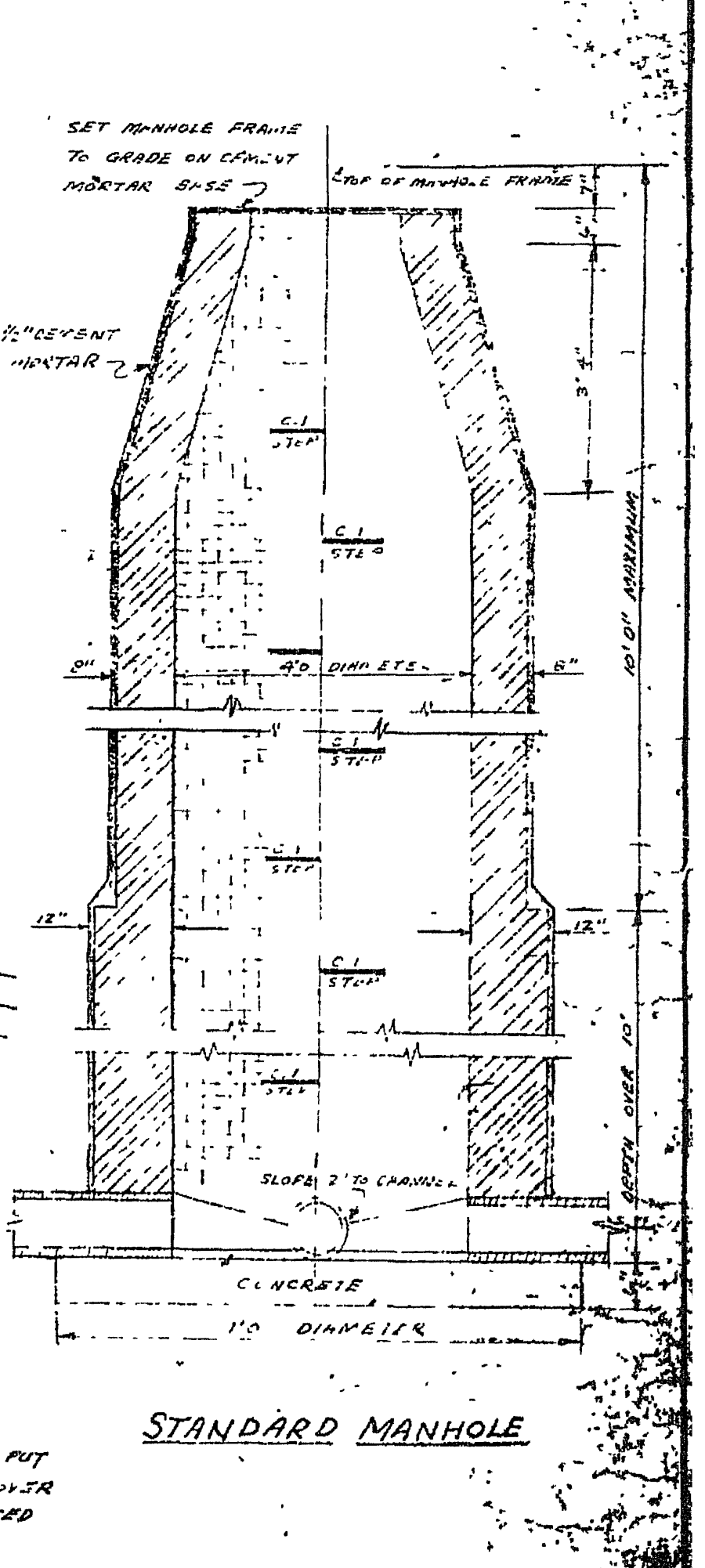
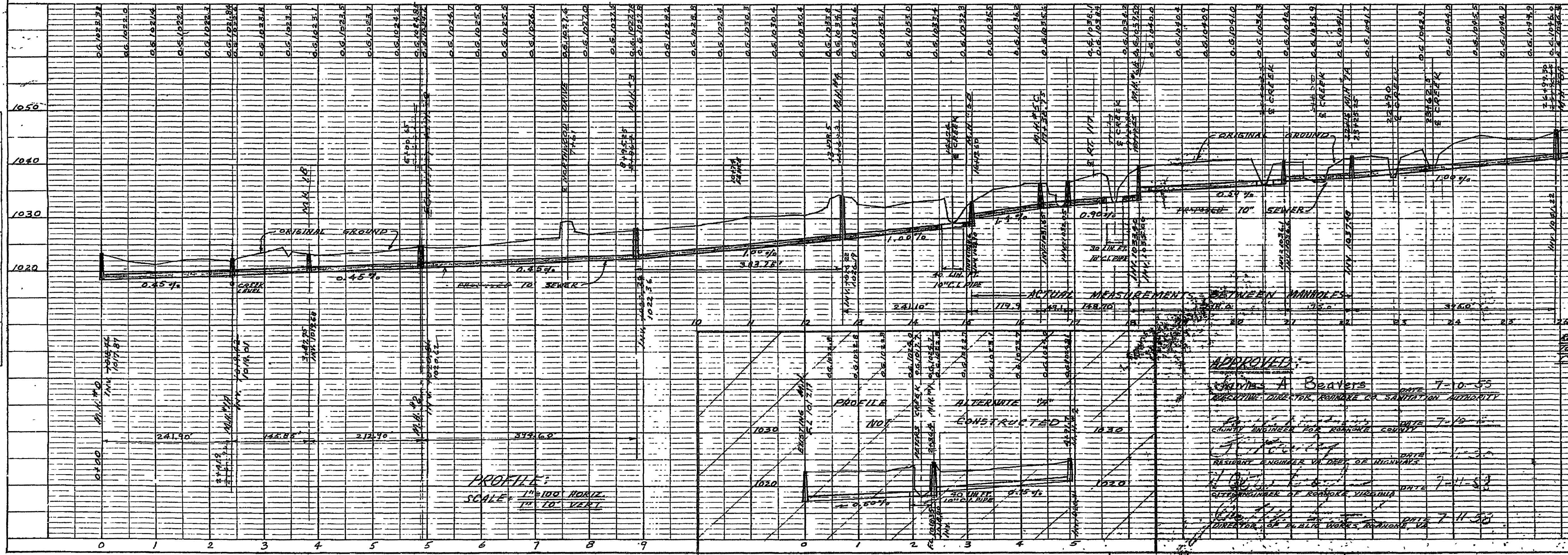
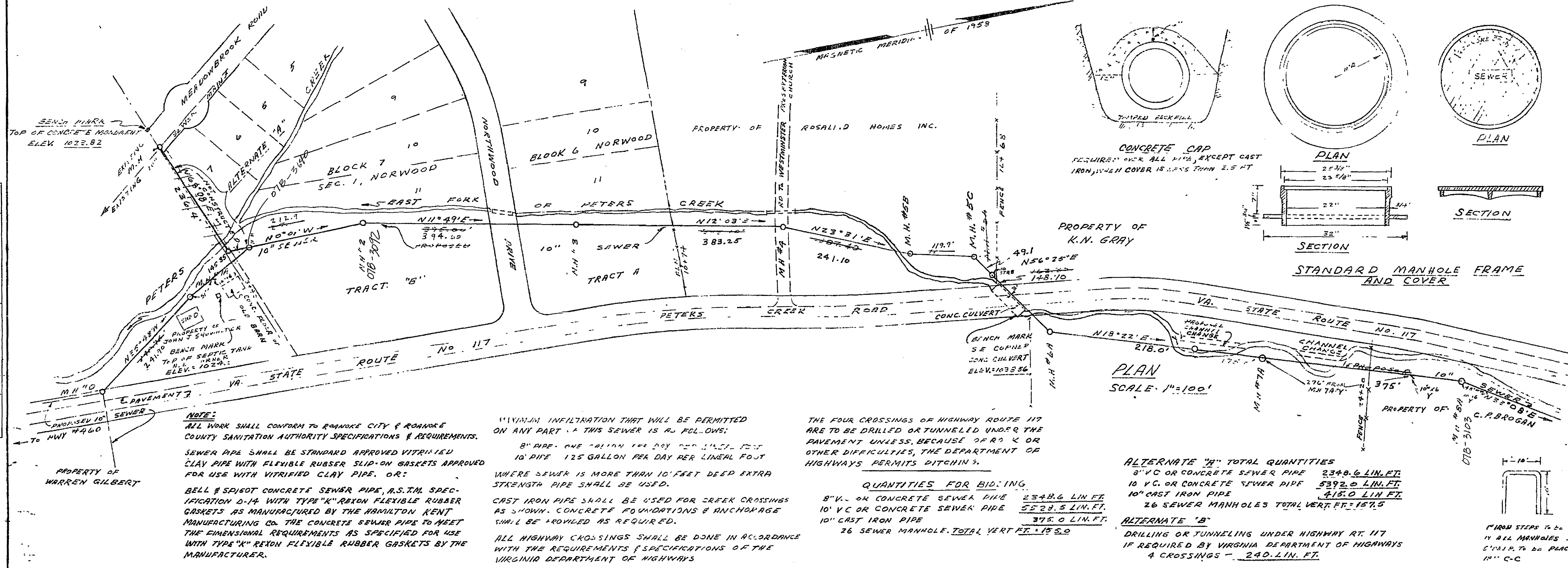


PLAN	DATE	BY
SURVEYED		
PLANNED		
NOTED		
BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLANNED		
NOTED		
BOOK		
NO.		



ALTERNATE "A" TOTAL QUANTITIES
8" V.C. OR CONCRETE SEWER PIPE 2348.6 LIN. FT.
10" V.C. OR CONCRETE SEWER PIPE 5392.0 LIN. FT.
10" CAST IRON PIPE 418.0 LIN. FT.
26 SEWER MANHOLES TOTAL VERT. FT. 157.5

ALTERNATE "B"
DRILLING OR TUNNELING UNDER HIGHWAY RT. 117
IF REQUIRED BY VIRGINIA DEPARTMENT OF HIGHWAYS
4 CROSSINGS - 240.0 LIN. FT.

NOTE:
ALL WORK SHALL CONFORM TO ROANOKE CITY & ROANOKE COUNTY SANITATION AUTHORITY SPECIFICATIONS & REQUIREMENTS.
SEWER PIPE SHALL BE STANDARD APPROVED VITRIFIED CLAY PIPE WITH FLEXIBLE RUBBER SLIP-ON GASKETS APPROVED FOR USE WITH VITRIFIED CLAY PIPE, OR:
BELL & SPIGOT CONCRETE SEWER PIPE, A.S.T.M. SPECIFICATION D-14 WITH TYPE "K" REXON FLEXIBLE RUBBER GASKETS AS MANUFACTURED BY THE HAMILTON KENT MANUFACTURING CO. THE CONCRETE SEWER PIPE TO MEET THE DIMENSIONAL REQUIREMENTS AS SPECIFIED FOR USE WITH TYPE "K" REXON FLEXIBLE RUBBER GASKETS BY THE MANUFACTURER.

MINIMUM INFILTRATION THAT WILL BE PERMITTED ON ANY PART OF THIS SEWER IS AS FOLLOWS:
8" PIPE ONE GALLON PER DAY PER LINEAL FOOT
10" PIPE 125 GALLON PER DAY PER LINEAL FOOT
WHERE SEWER IS MORE THAN 10 FEET DEEP EXTRA STRENGTH PIPE SHALL BE USED.
CAST IRON PIPE SHALL BE USED FOR CREEK CROSSINGS AS SHOWN. CONCRETE FOUNDATIONS & ANCHORAGE SHALL BE PROVIDED AS REQUIRED.
ALL HIGHWAY CROSSINGS SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS & SPECIFICATIONS OF THE VIRGINIA DEPARTMENT OF HIGHWAYS.

THE FOUR CROSSINGS OF HIGHWAY ROUTE 117 ARE TO BE DRILLED OR TUNNELED UNDER THE PAVEMENT UNLESS, BECAUSE OF ROCK OR OTHER DIFFICULTIES, THE DEPARTMENT OF HIGHWAYS PERMITS DITCHING.

QUANTITIES FOR BIDDING
8" V.C. OR CONCRETE SEWER PIPE 2348.6 LIN. FT.
10" V.C. OR CONCRETE SEWER PIPE 5392.0 LIN. FT.
10" CAST IRON PIPE 418.0 LIN. FT.
26 SEWER MANHOLES TOTAL VERT. FT. 157.5

APPROVED:
James A. Beavers
DATE 7-10-53
DIRECTOR, ROANOKE COUNTY SANITATION AUTHORITY

APPROVED:
DATE 7-12-53
COUNTY ENGINEER FOR ROANOKE COUNTY

APPROVED:
DATE 7-11-53
RESIDENT ENGINEER, VIRGINIA DEPARTMENT OF HIGHWAYS

APPROVED:
DATE 7-11-53
ATTORNEY GENERAL OF ROANOKE, VIRGINIA

APPROVED:
DATE 7-11-53
DIRECTOR, ROANOKE COUNTY SANITATION AUTHORITY

PLAN & PROFILE
of PROPOSED SEWER MAIN
FROM PROPOSED MANHOLE ON WEST SIDE OF HIGHWAY 117 SOUTH OF NORWOOD TO SOUTHVIEW SCHOOL

ROANOKE CO. VIRGINIA
BY DAVID DICK
CHECKED BY SUREN
DATE JUNE 24, 1950