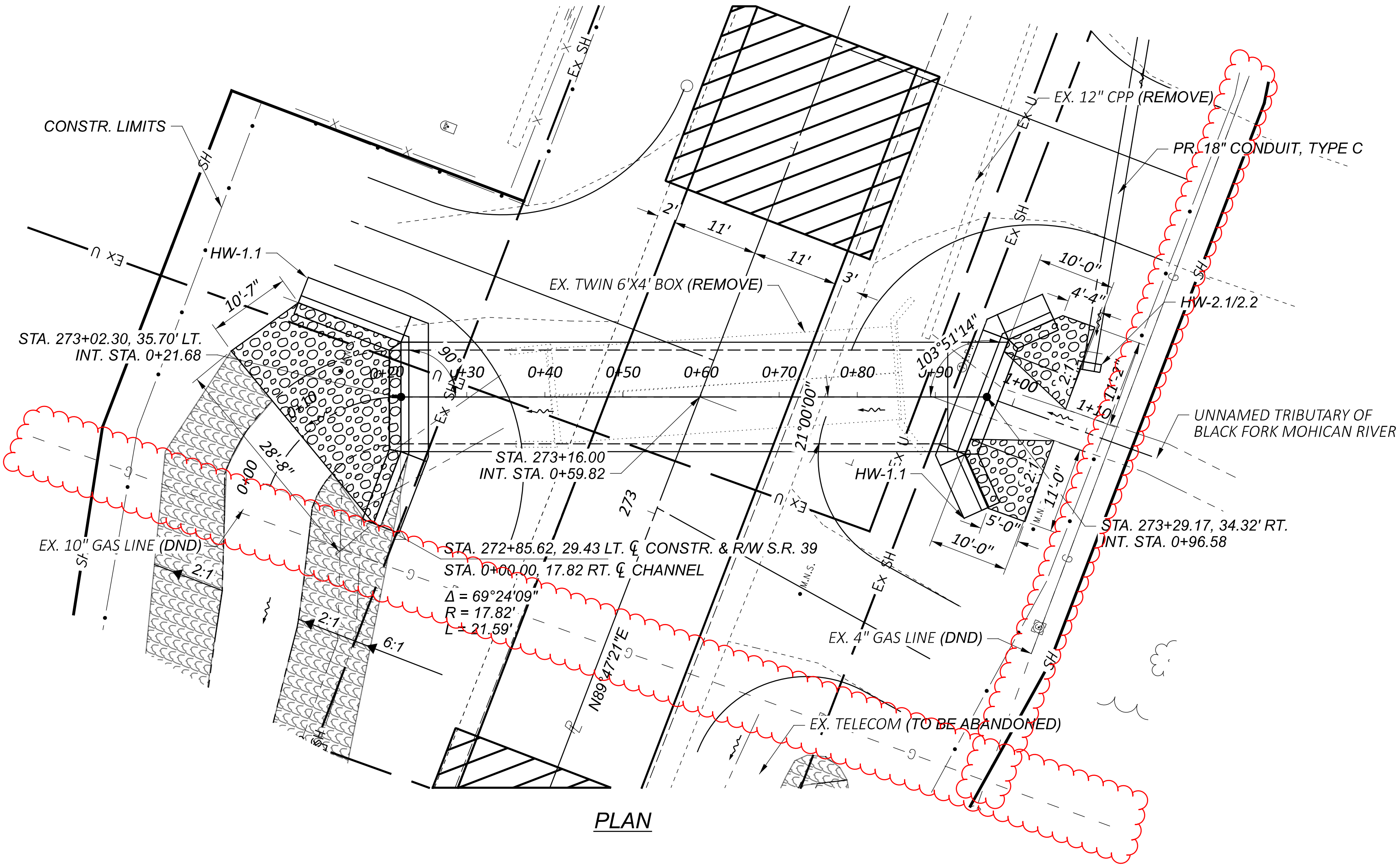
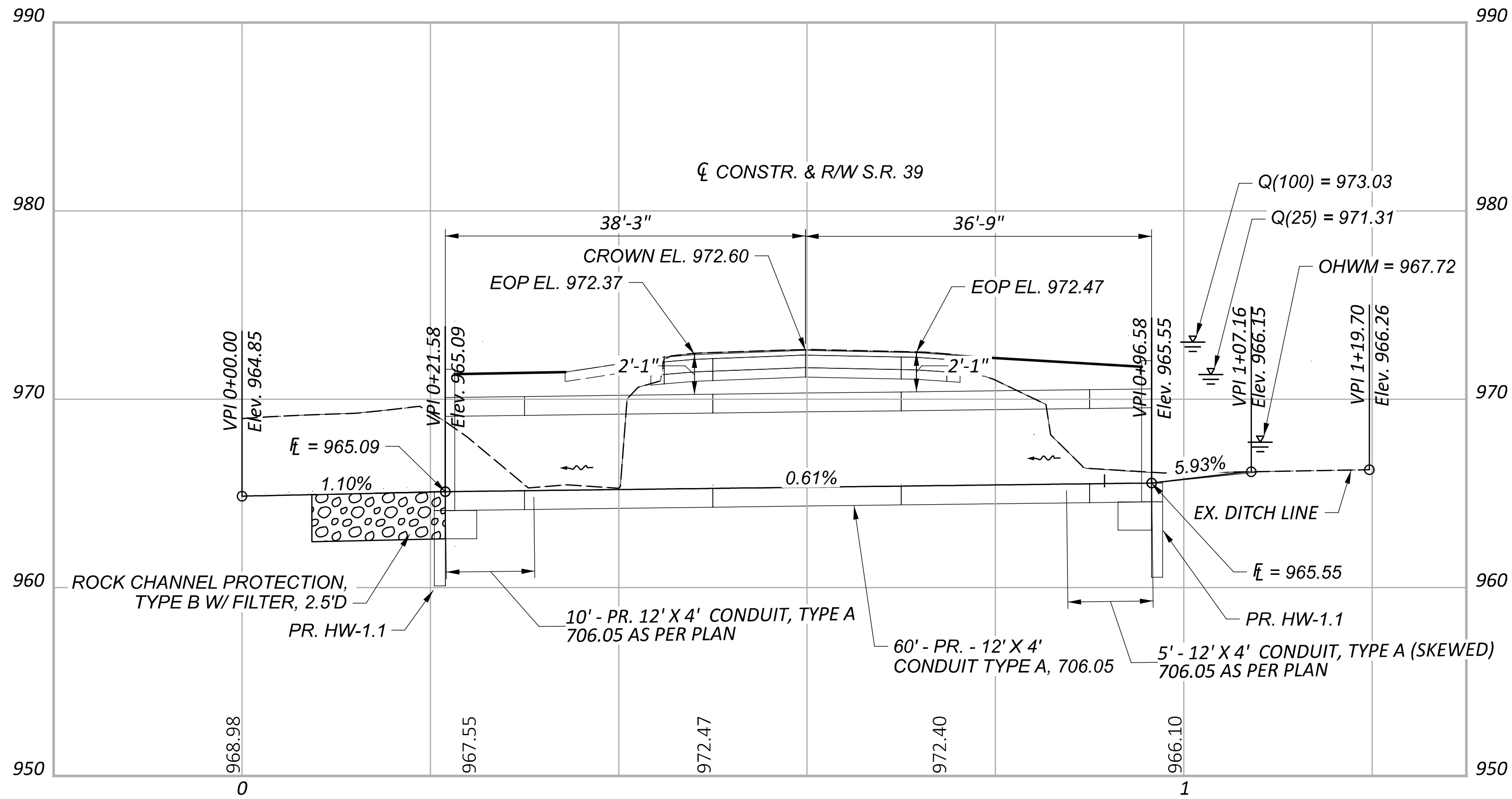




PLAN



PROFILE

EXISTING STRUCTURE

TYPE: TWIN WOODEN BOX CULVERT
LATITUDE: 40°39'11.3" LONGITUDE: 82°17'52.2"
SFN: 0300969
SIZE: TWO 6' SPAN X 4' RISE
SKEW: 24°56'26" ± R.F.
DATE BUILT: 1966
DISPOSITION: POOR (TO BE REPLACED)
APP. SLAB: NONE
ALIGNMENT: TANGENT
SUPERELEVATION: NONE
STREAM: ABRASION LEVEL = 4, pH = 7.9

PROPOSED STRUCTURE

TYPE: CONCRETE BOX CULVERT, 706.05
SFN: 0300970
SIZE: 12' SPAN X 4' RISE
LENGTH: 75 FT.
SKEW: 21°00'00" R.F.
APP. SLAB: NONE
ALIGNMENT: TANGENT
SUPERELEVATION: NONE
ROADWAY: 28'-0" TREATED SH. TO TREATED SH.
DESIGN SERVICE LIFE: 75 YEARS
LOADING: HL-93
FUTURE WEARING SURFACE: 60 PSF

HYDRAULIC DATA

DRAINAGE AREA = 441 ACRES
Q (25) = 428 CFS V (25) = 10.47 FT/S
Q (100) = 664 CFS V (100) = 11.24 FT/S

LEGEND

- RESURFACING
- ROCK CHANNEL PROTECTION, TYPE B W/ FILTER
- SLOPE EROSION MAT, TYPE C

NOTES

- EARTHWORK LIMITS SHOWN ARE APPROXIMATE ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
- EXISTING STRUCTURE TO BE REMOVED ROAD TO BE CLOSED DURING CONSTRUCTION AND TRAFFIC TO BE DETOURED. MAINTENANCE OF TRAFFIC DETAILS ARE SHOWN ON THE DETOUR PLAN ON SHEET 7.