

SITE B.M. @ MUDDY CREEK "□" CUT
N.W. CORNER BOTTOM STEP OF N.E.
WINGWALL, STA. 547+26.77, 44.9ft. LT.
ELEV=615.89

Skew = 20°-00'-00"

Lt. Fwd.

DESIGN TRAFFIC

2019 ADT = 22,313

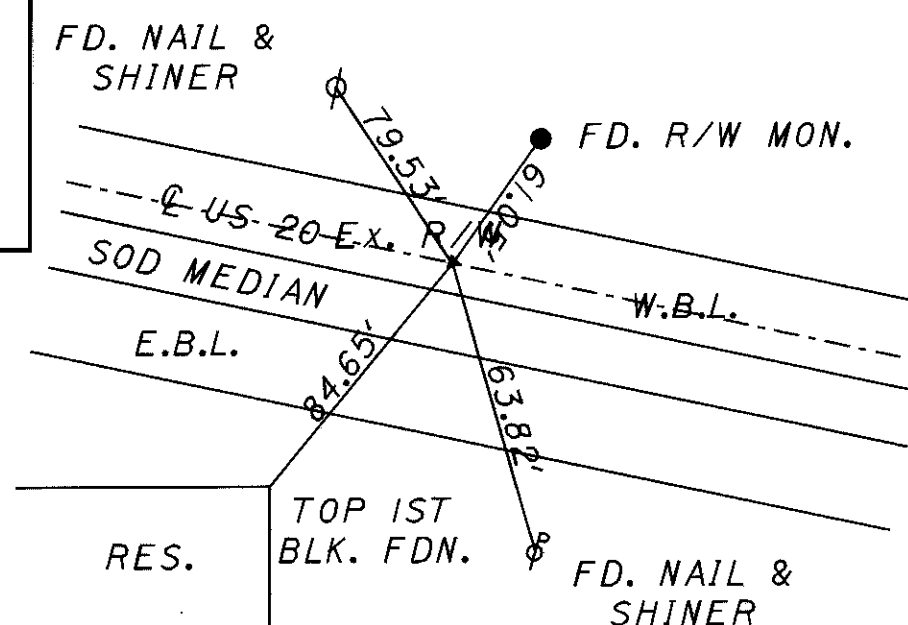
HYDRAULIC DATA

$V_{25} = 6.6 \text{ Ft./s}$ $Q_{25} = 2931 \text{ c.f./s}$

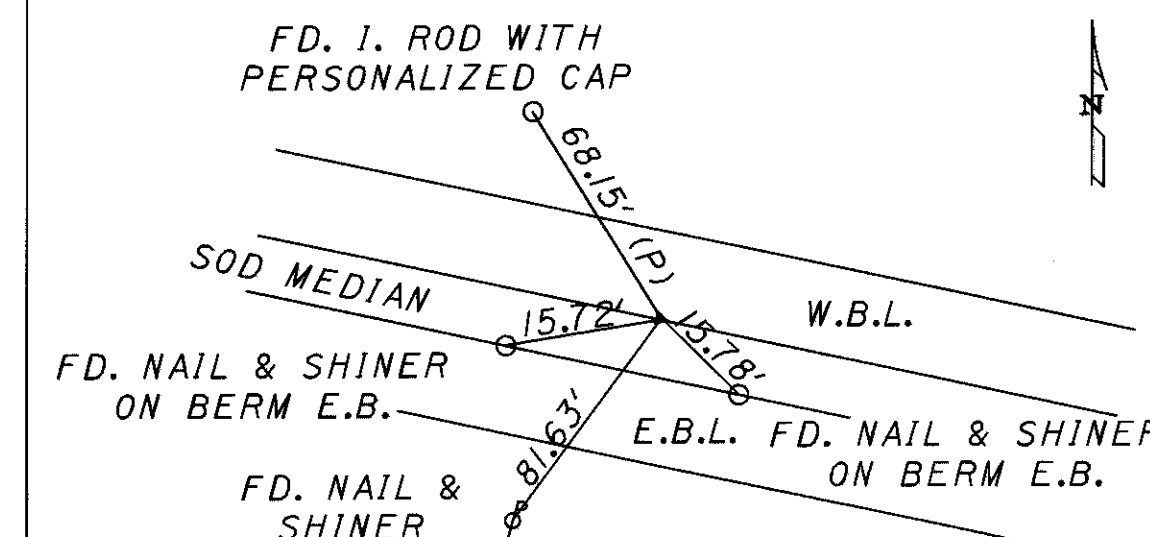
$V_{100} = 7.5 \text{ Ft./s}$ $Q_{100} = 3637 \text{ c.f./s}$

Drainage Area = 64 Sq. mi.

B.M. #29, BARN SPK IN W.S. P.P.
STA. 551+88.65, 26.74' RT. OF E. PAVT.
EL = 626.19



STA. 544+38.51



STA. 574+15.42

BORING LEGEND

DRIVE SAMPLE CORE BORING

EARTHWORK LIMITS

ARE APPROXIMATE. ACTUAL
SLOPE SHALL CONFORM TO
PLAN CROSS SECTIONS

PROPOSED STRUCTURE

TYPE: SIMPLE SPAN ASTM A588 STEEL BEAM BRIDGE WITH COMPOSITE
REINFORCED CONCRETE DECK. SUBSTRUCTURES ARE SEMI-INTEGRAL
ABUTMENTS ON DRILLED SHAFTS.
SPAN: 88'-9" C/C ABUT. BEARING.
ROADWAY: 85'-0" F/F RAILING.
SKEW: 20°-00'-00" LT. FORWARD
LOADING: HS20-44, CASE I AND ALTERNATE MILITARY LOADING, FUTURE DL-60 PSF
WEARING COURSE: MONTHIC CONCRETE
ALIGNMENT: TANGENT
SUPERELEVATION: NONE
APPROACH SLABS: 25'-0" LONG AS-I-81
CROWN: 0.0156 ft./ft.
COORDINATES: 83°14'27" Longitude, N41°23'58" Latitude

EXISTING EASTBOUND (TO BE REMOVED)

SAN-20-1035 R, SFN: 7201680,
BUILT: 194, CONDITION-POOR

TYPE: CONTINUOUS STEEL BEAMS WITH REINFORCED CONC.
DECK & REINFORCED CONC SUBSTRUCT.

ROADWAY: 31 ft. GUARD RAIL POSTS TO CURB; 3 ft.

SIDEWALK ON RT.

SPANS: 35 ft. C/C BEARINGS

LOADING: S-20-46

SKEW: 20°-0' L.F.

SURF. COURSE 228MM MONOLITHIC CONCRETE.

APPR. SLABS: 15 ft LONG (STRAIGHT ON LT., FLARED ON RT.)

EXISTING WESTBOUND (TO BE REMOVED)

SAN-20-1035 L, SFN: 7201656,
BUILT: 1952, CONDITION-POOR

TYPE: CONTINUOUS STEEL BEAMS WITH REINFORCED CONC. DECK &
REINFORCED CONC SUBSTRUCT.

SPANS: 35' 4" CTR. TO CTR. OF BEARINGS.

ROADWAY: 41'10" FOR THIS EXTENSION AND 40 ft. TOTAL CLEAR
WIDTH.

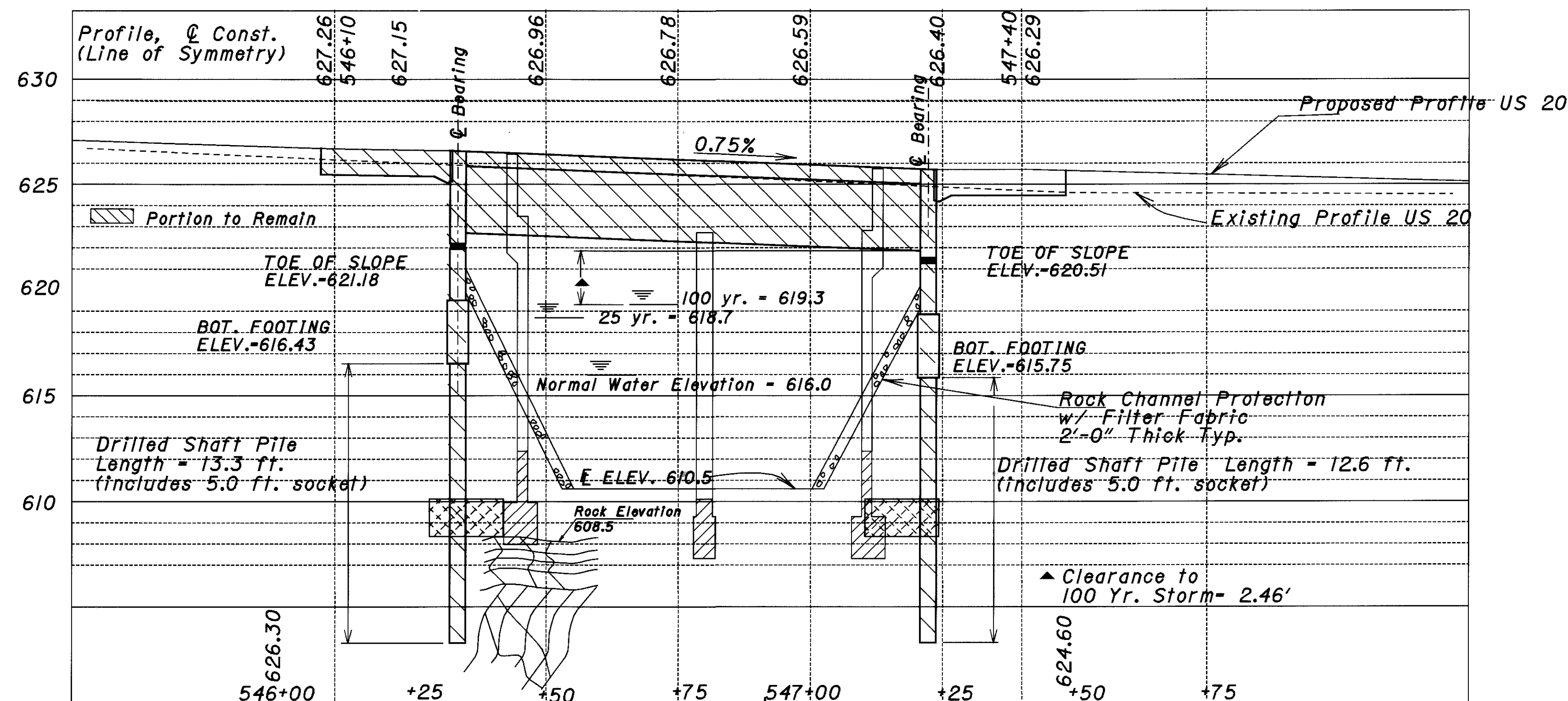
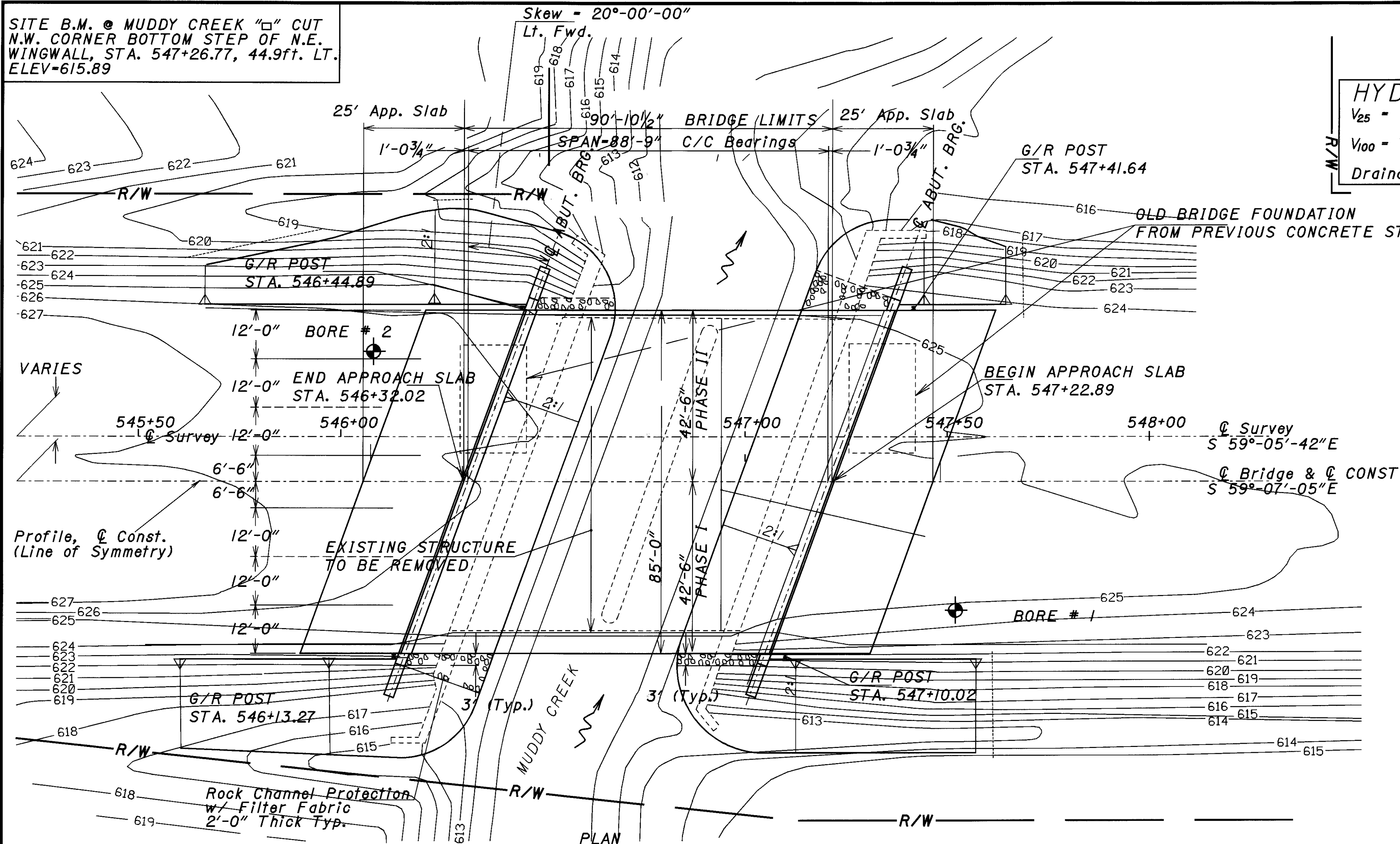
LOADING: S-20-46

SKEW: 20°-0' L.F.

SURF. COURSE: BITUMINOUS

APPR. SLABS: AS SHOWN

ALIGNMENT: TANGENT AND PARALLEL TO EXISTING PAVEMENT.



LONGITUDINAL SECTION ALONG C CONST. US 20