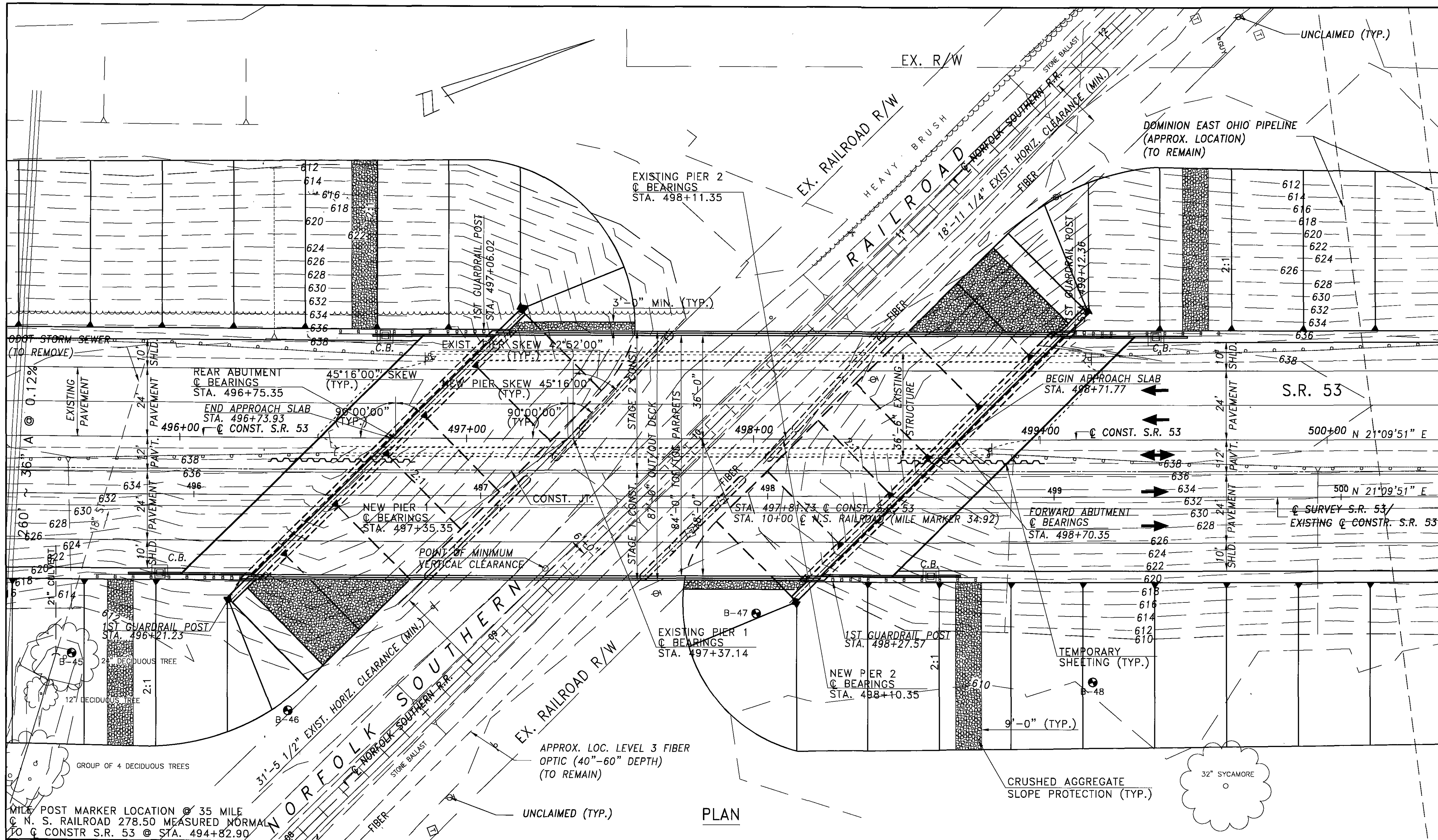
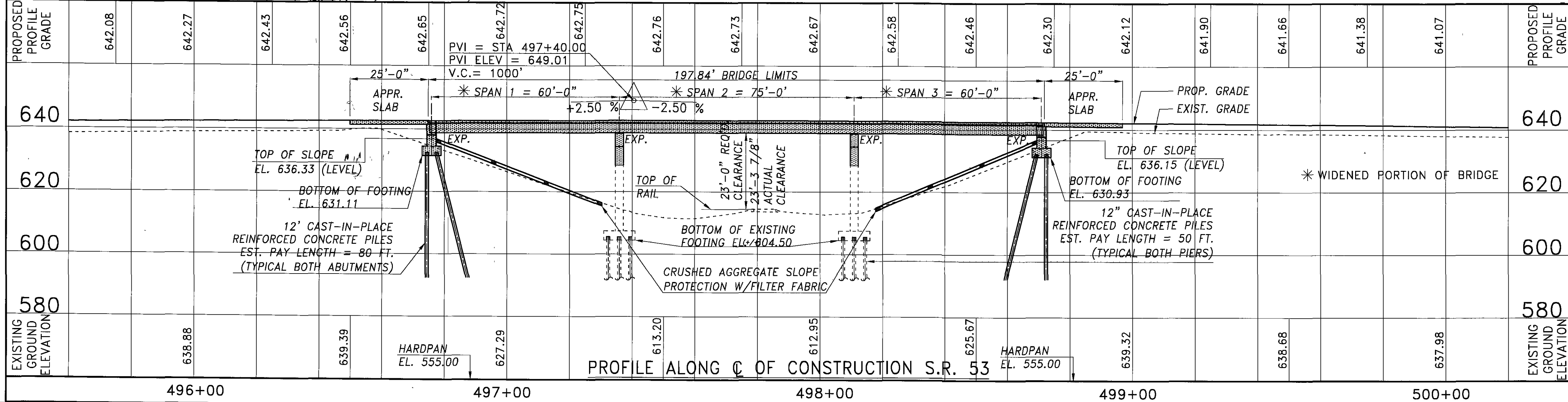




PLAN



PROFILE ALONG C OF CONSTRUCTION S.R. 53

NOTE: EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

LEGEND

- SOIL OR PAVEMENT BORING LOCATION
- CRUSHED AGGREGATE SLOPE PROTECTION

BENCH MARKS

SITE BENCH MARK NO. 11
1/2" IRON ROD ON WEST SIDE OF
S.R. 53 5' + FROM GUARDRAIL AND
50' + NORTH OF RAILROAD BRIDGE
STA. 499+66, 33' LT.
ELEVATION = 637.75
SITE BENCH MARK NO. 12
1/2" IRON ROD ON WEST SIDE OF
S.R. 53 2' + FROM GUARDRAIL AND
150' + SOUTH OF RAILROAD BRIDGE
STA. 493+95, 37' LT.
ELEVATION = 635.61

TRAFFIC DATA

CURRENT A.D.T. (2004): 11,300 v.p.d.
DESIGN YEAR A.D.T. (2024): 20,410 v.p.d.
CURRENT A.D.T.T. (2004): 1559 v.p.d.
DESIGN YEAR A.D.T.T. (2024): 2817 v.p.d.
DESIGN SPEED: 60 MPH

EXISTING STRUCTURE
(TO BE WIDENED)

TYPE: CONTINUOUS STEEL BEAM WITH
SPREAD FOOTING ABUTMENTS AND
T-TYPE PIERS ON PILES
SKEW-ABUTMENTS: 45°-16' (+/-) LEFT FORWARD
SKEW-PIERS: 42°-52' (+/-) LEFT FORWARD
ALIGNMENT: TANGENT
SPAN: VARIES (60'-75'-60' NOMINAL C/C BEARINGS)
ROADWAY: 30'-0" F/F OF CURBS
LOADING: CF 2000-51
WEARING SURFACE: BITUMINOUS
DATE BUILT: 1956
APPROACH SLABS: FLARED 24' TO 30' WIDE
25' LONG
CROWN: 0.0156 FT./FT.
STRUCTURE FILE NUMBER: 7202288
CONDITION: GOOD

PROPOSED STRUCTURE

PROPOSED WORK: WIDENED SUPERSTRUCTURE ON
WIDENED SUBSTRUCTURE
TYPE: CONTINUOUS ASTM 4588 COMPOSITE STEEL
BEAM WITH SEMI-INTEGRAL ABUTMENTS AND
T-TYPE PIERS
SKEW: 45°-16°-00" (NOMINAL) LEFT FORWARD
ALIGNMENT: TANGENT
SPAN: 60'-75'-60', (NOMINAL) C/C BEARINGS
ROADWAY: 84'-0" TOE/TOE OF PARAPETS
LOADING: HS25 CASE II AND ALTERNATE MILITARY
LOADING
WEARING SURFACE: MONOLITHIC CONCRETE
FUTURE WEARING SURFACE: 60 PSF
CROWN: 0.0156 FT./FT.
APPROACH SLABS: 25'-FT LONG
LATITUDE: 41°23'03"N LONGITUDE: 83°11'57"W

DESIGN AGENCY
PROLIFOOT ASSOCIATES
3560 HEATHERDOWNS BLVD., TOLEDO, OHIO 43614

DATE
1/20/04

REVIEWED
PEP

STRUCTURE FILE NUMBER
7202288

DRAWN
RJS

DESIGNED
JRCs

SANDUSKY COUNTY
STA. 496+73.93
STA. 498+71.77

SITE PLAN
BRIDGE NO. SAN-53-1176
OVER NORFOLK SOUTHERN RAILROAD

SAN-53-10.15

1/21

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