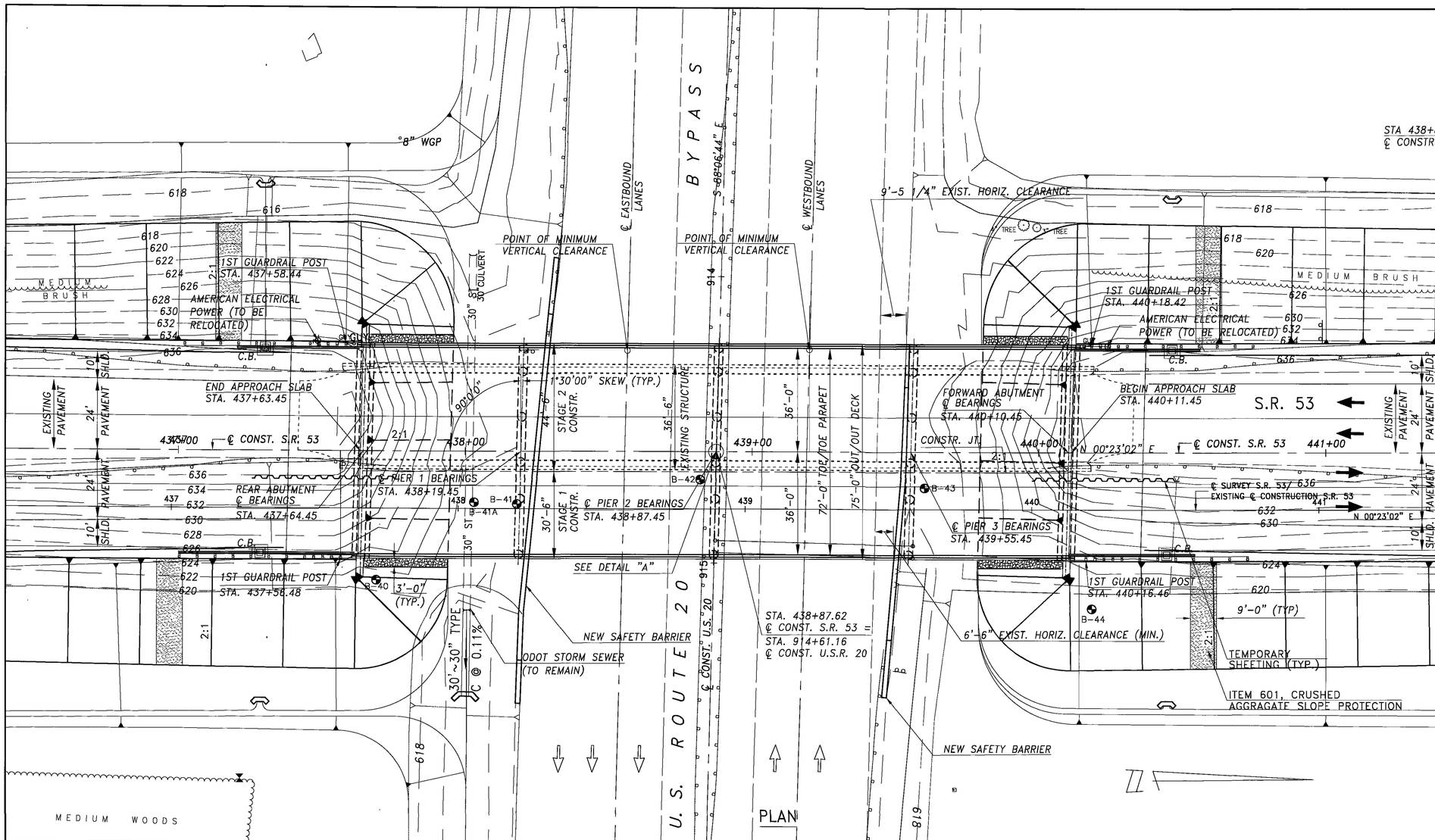
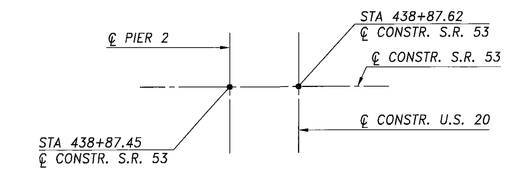
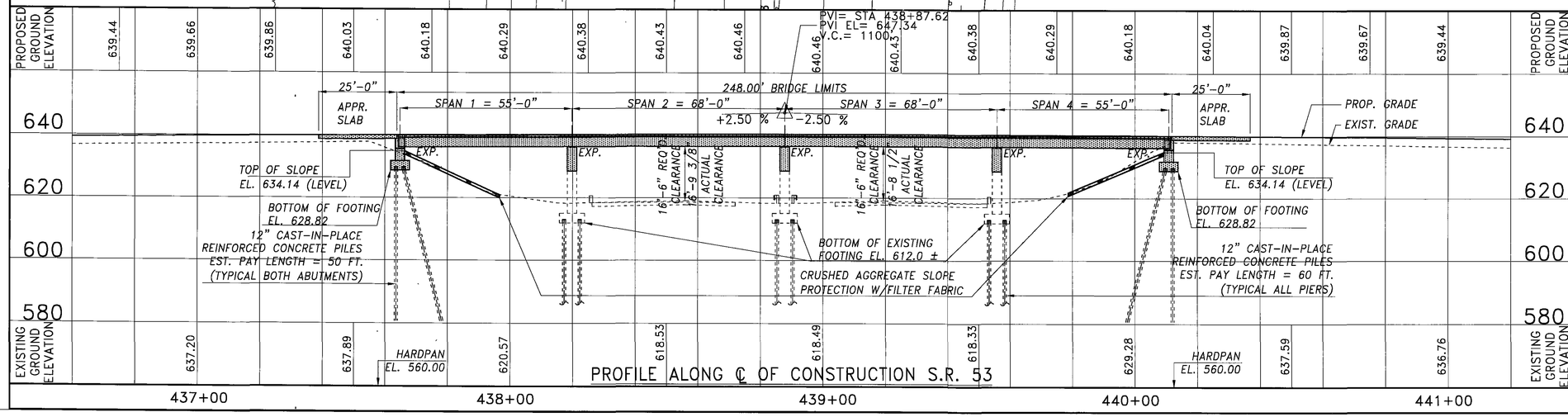




DETAIL "A"



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. 23
BOX CUT ON SOUTHWEST CORNER OF WALK ON WEST SIDE OF S.R. 53 ON BRIDGE OVER U.S.R. 20
STA. 437+64, 28' LT.
ELEVATION = 638.63

SITE BENCH MARK NO. 22
1/2" IRON ROD AT FACE OF GUARDRAIL ON WEST SIDE OF S.R. 53 ABOUT MIDWAY FROM BEGINING OF GUARDRAIL ON NORTH TO BRIDGE OVER U.S.R. 20
STA. 443+80, 34' LT.
ELEVATION = 632.62

TRAFFIC DATA

CURRENT A.D.T. (2004): 22,550 v.p.d.
DESIGN YEAR A.D.T. (2024): 40,730 v.p.d.
CURRENT A.D.T.T. (2004): 1827 t.p.d.
DESIGN YEAR A.D.T.T. (2024): 3299 t.p.d.
DESIGN SPEED: 60 m.p.h.

EXISTING STRUCTURE (TO BE WIDENED)

TYPE: CONTINUOUS STEEL BEAM, WITH STUB ABUTMENTS AND CAP & COLUMN PIERS ON PILES
SKEW: 1°-30'-00" (+/-) LEFT FORWARD
ALIGNMENT: TANGENT
SPAN: 55'-68'-68'-55' C/C BEARINGS
ROADWAY: 30' F/F OF CURBS
LOADING: CF 2000-51
WEARING SURFACE: BITUMINOUS
DATE BUILT: 1956
APPROACH SLABS: FLARED 24' TO 30' WIDE 20' LONG
CROWN: 0.016 FT./FT.
STRUCTURE FILE NUMBER: 7202253
CONDITION: GOOD

PROPOSED STRUCTURE

PROPOSED WORK: WIDENED SUPERSTRUCTURE ON WIDENED SUBSTRUCTURE
TYPE: CONTINUOUS COMPOSITE STEEL BEAM WITH SEMI-INTEGRAL ABUTMENTS AND CAP AND COLUMN PIERS
SKEW: 1°-30'-00" LEFT FORWARD
ALIGNMENT: TANGENT
SPAN: 55'-68'-68'-55' C/C BEARINGS
ROADWAY: 72 FT. TOE/TOE OF PARAPETS
LOADING: HS25 CASE II AND ALTERNATE MILITARY LOADING
WEARING SURFACE: MONOLITHIC CONCRETE
FUTURE WEARING SURFACE: 60 PSF
APPROACH SLABS: 25-FT LONG
CROWN: 0.016 FT./FT.
LATITUDE: 41°22'03"N LONGITUDE: 83°12'03"W

DESIGN AGENCY
PROUDFOOT ASSOCIATES
5360 HEATHERDOWNS BLVD., TOLEDO, OHIO 43614

DATE	REVIEWED	STRUCTURE FILE NUMBER
1/20/04	PEP	7202253
DRAWN	REVISED	
RJS		
DESIGNED	CHECKED	
JRCS	EGT	

SANDUSKY COUNTY
STA. 437+63.45
STA. 440+11.45

SITE PLAN

BRIDGE NO. SAN-53-1064
OVER U.S. 6/20 BYPASS

SAN-53-10.15

023081SITE SHT3