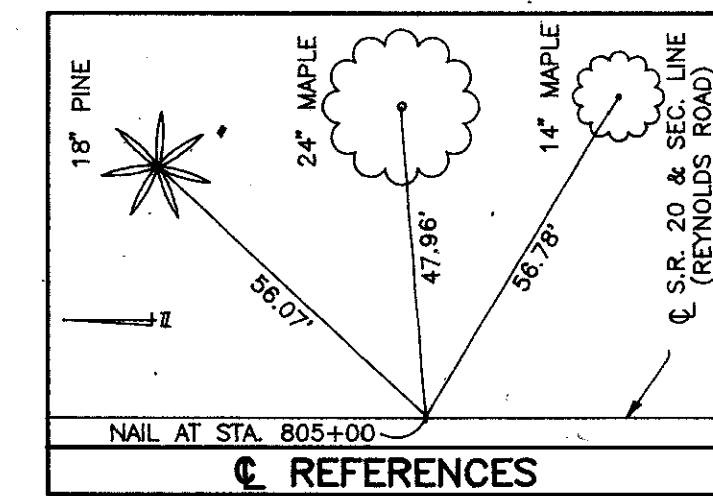
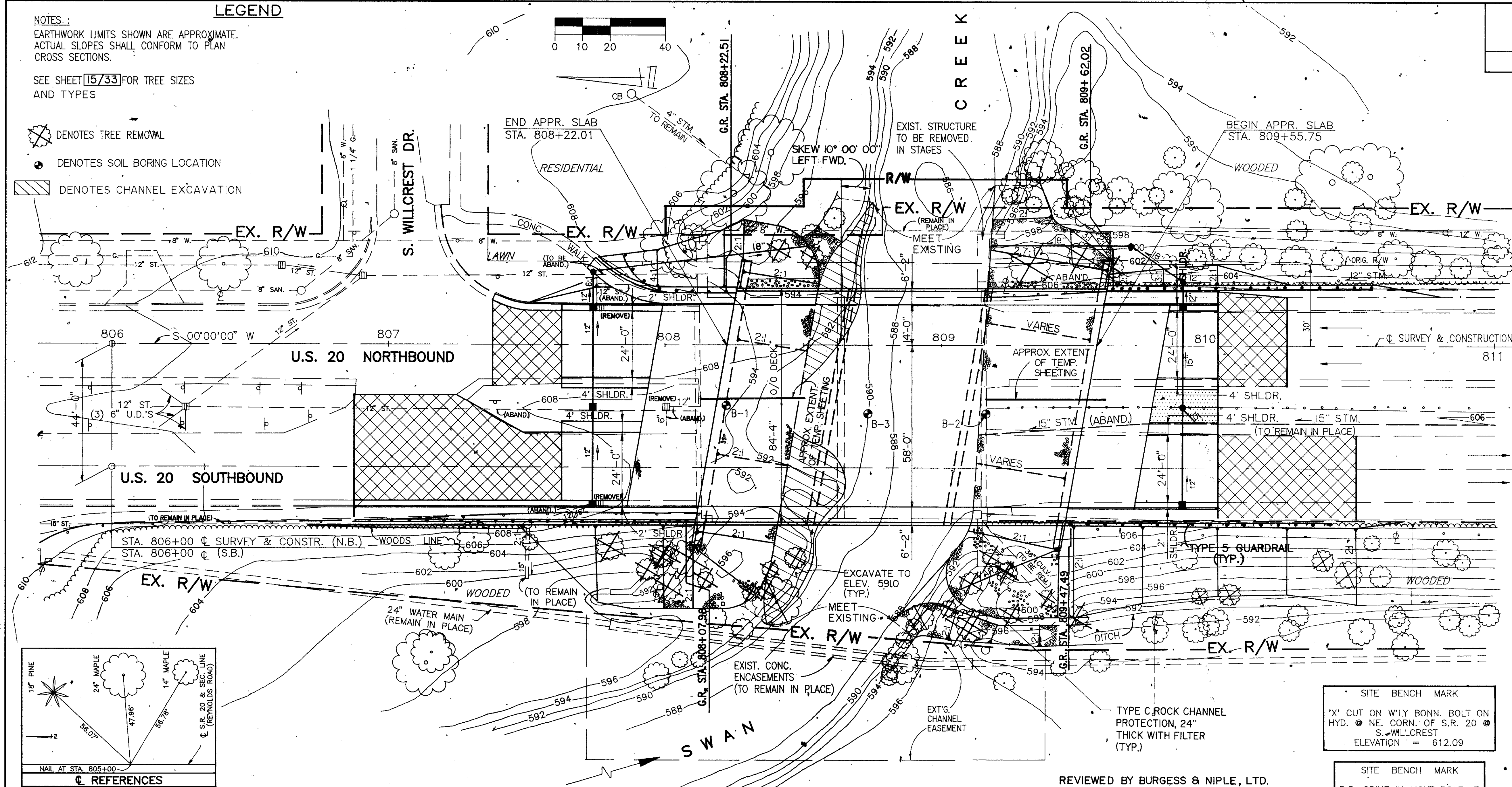


NOTES:
EARTHWORK LIMITS SHOWN ARE APPROXIMATE.
ACTUAL SLOPES SHALL CONFORM TO PLAN
CROSS SECTIONS.

SEE SHEET 15/33 FOR TREE SIZES
AND TYPES

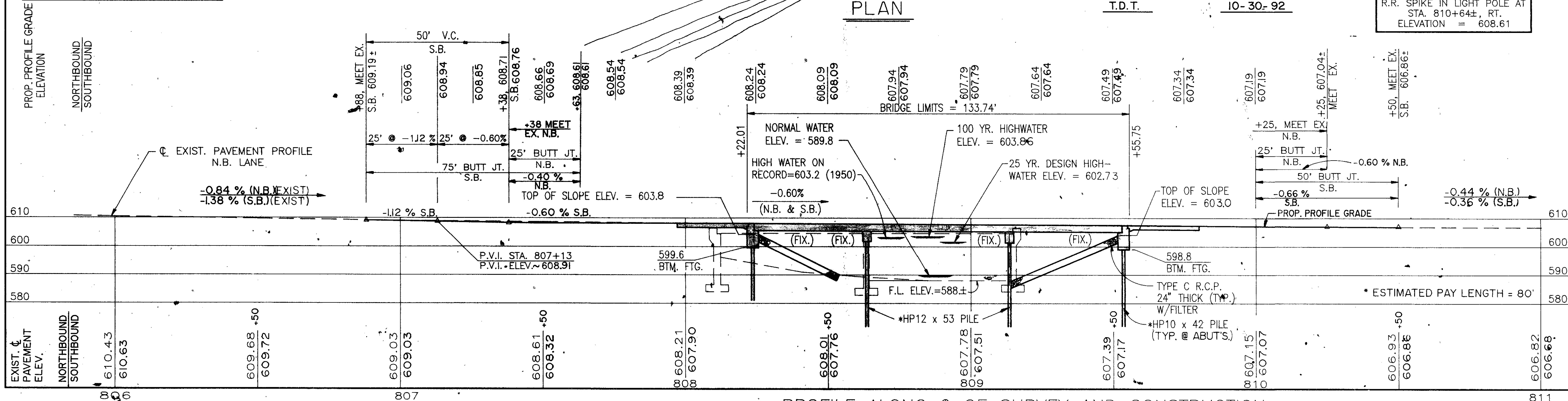
- ✕ DENOTES TREE REMOVAL
● DENOTES SOIL BORING LOCATION
▨ DENOTES CHANNEL EXCAVATION

LEGEND



PLAN

REVIEWED BY BURGESS & NIPLE, LTD.
T.D.T. 10-30-92



PROFILE ALONG C OF SURVEY AND CONSTRUCTION

LUCAS COUNTY
LUC - 20 - 15.30
BRF - 69 (122)

OHIO
FHWA
REGION 5
FEDERAL
PROJECT

20
33

A.D.T.

CURRENT A.D.T. (1992) 29,970
DESIGN YEAR A.D.T. (2012) 38,960

D 55 %
T 3.0 %
V 50 M.P.H.

HYDRAULIC DATA

DRAINAGE AREA : 189 SQUARE MILES
CHANNEL SLOPE : 4.168 FT./MI.
Q₂₅ = 6438 cfs
V₂₅ = 5.59 fps

25 YR. DESIGN HIGH WATER ELEV. = 602.73

Q₁₀₀ = 7879 cfs
V₁₀₀ = 6.37 fps

100 YR. HIGH WATER ELEV. = 603.86

EXISTING STRUCTURE

TYPE : NORTHBOUND-CONCRETE "T" BEAM (1939)
SOUTHBOUND-CONTINUOUS STEEL BEAM (1955)
WITH CONCRETE DECK BOTH ON FULL
HEIGHT REINFORCED CONCRETE
ABUTMENTS & WALL TYPE PIER

SPAN : N.B.-2 @ 48'-6"; S.B.-2 @ 50'-0"
ROADWAY WIDTH : 71'-11" (F/F CURB)
BRIDGE WIDTH : 81'-0" (O/O DECK)
ALIGNMENT : TANGENT
SKEW : NONE
WEARING SURFACE : ASPHALT CONCRETE
APPROACH SLABS : N.B.-NONE ; S.B.-15'±
S.F. NO. (LT.) = 4800753
S.F. NO. (RT.) = 4800788

PROPOSED STRUCTURE

TYPE : THREE SPAN PRECAST-PRESTRESSED
COMPOSITE CONC. BOX BEAMS, CAPPED
PILE PIERS AND ABUTMENTS.

SPANS : 39'-4", 48'-5 3/4", 39'-4" C/C BEARING
ROADWAY : 72'-0" (F/F CURBS), WALKS 2 @ 5'-0"
SKEW : 10° LEFT FORWARD
LOADING : HS 20-44 & ALT. MILITARY LOADING

WEARING SURFACE: MONOLITHIC CONCRETE
APPROACH SLABS : AS-1-81, LENGTH=25'-0" EA.
ALIGNMENT : TANGENT
SUPERELEVATION : NONE
CROWN : 3/16" PER FT.



PROUDFOOT
ASSOCIATES

SITE PLAN
STRUCTURE NO. LUC-20-1533
OVER SWAN CREEK

LUCAS COUNTY				STA. 808+22.01 STA. 809+55.75	
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
PROUDFOOT	PROUDFOOT	MEM	DTM	DHG	MEM
				DATE	12/1/92

U.S. 20 SITE PLAN