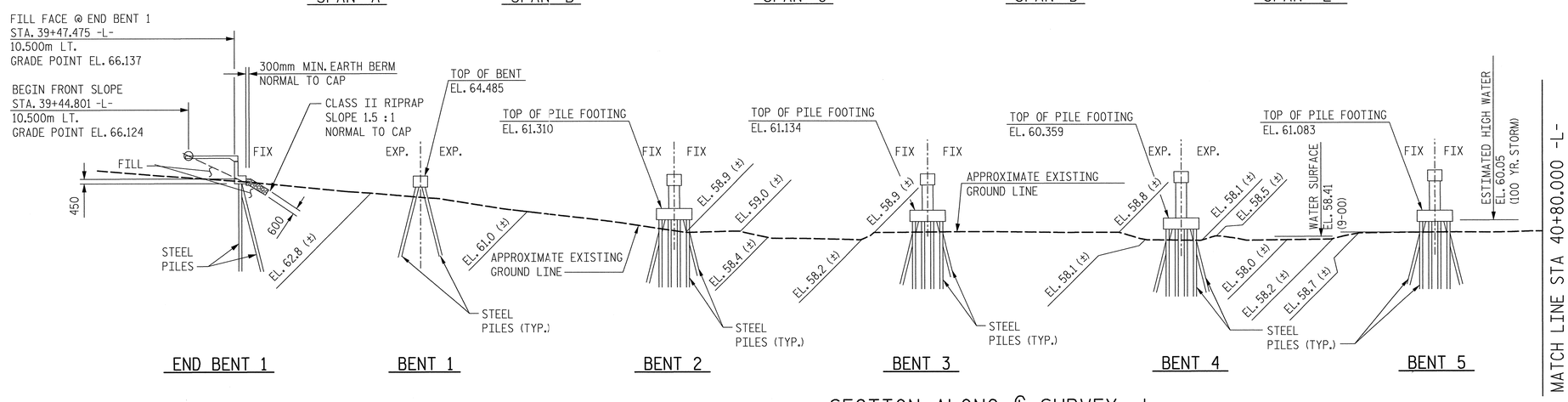
40+00

VPI = 38+00.000
EL. = 65.400
VC = 200.000m

-2.6877% △ 0.5000%

GRADE DATA -L-



SECTION ALONG ℄ SURVEY -L-

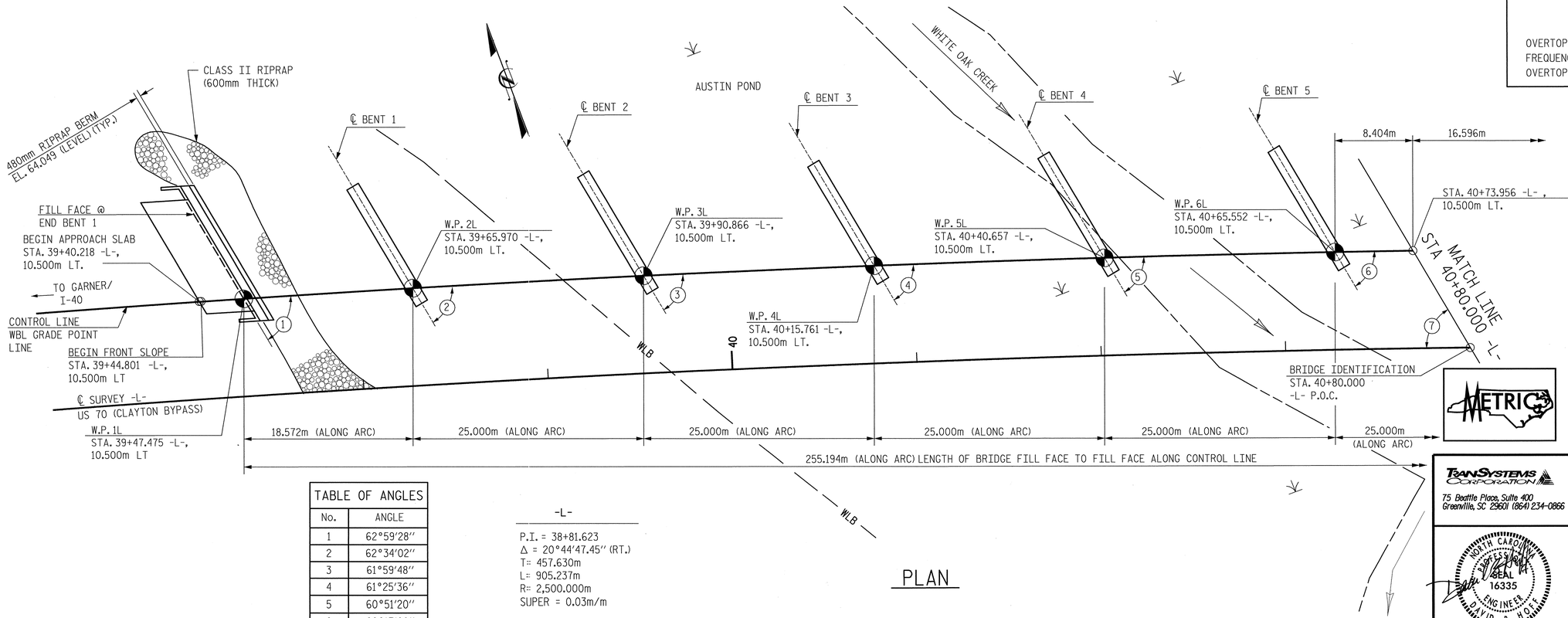
BENTS AND END BENTS ON SECTION AT RIGHT ANGLES TO BENTS

HYDRAULIC DATA

DESIGN DISCHARGE	99	m³/S
FREQUENCY OF DESIGN FLOOD	50	YR.
DESIGN HIGH WATER ELEVATION	59.86	
DRAINAGE AREA	26.4	Km²
BASIC DISCHARGE (Q 100)	110	m³/S
BASIC HIGH WATER ELEVATION	59.94	

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	N/A	m³/S
FREQUENCY OF OVERTOPPING FLOOD	500	YR+
OVERTOPPING FLOOD ELEVATION	66.00	



PLAN

TABLE OF ANGLES	
No.	ANGLE
1	62°59'28"
2	62°34'02"
3	61°59'48"
4	61°25'36"
5	60°51'20"
6	60°17'08"
7	60°00'01"

-L-

P.I. = 38+81.623
Δ = 20°44'47.45" (RT.)
T= 457.630m
L= 905.237m
R= 2,500.000m
SUPER = 0.03m/m

DRAWN BY : J.B. GEILE DATE : 02
CHECKED BY : D.B. HOFF DATE : 02

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3/17/2005
11:47:55 AM

PROJECT NO. R-2552AB

JOHNSTON COUNTY

STATION: 40+80.000 -L- P.O.C.

BRIDGE NO. 579

SHEET 1 OF 6

TRANSYSTEMS CORPORATION
75 Beattie Place, Suite 400
Greenville, SC 29601 (864) 234-0866

NORTH CAROLINA PROFESSIONAL SEAL 16335 ENGINEER DAVID B. HOFF
3-18-05

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
BRIDGE ON US 70 (CLAYTON BYPASS)
OVER WHITE OAK CREEK (AUSTIN POND)
BETWEEN SR 1525 (CORNWALLIS RD.)
AND NC 42 (LEFT LANE)

DWG. NO.	TOTAL
1	68

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-258
1			3			TOTAL SHEETS
2			4			429

Str. #7