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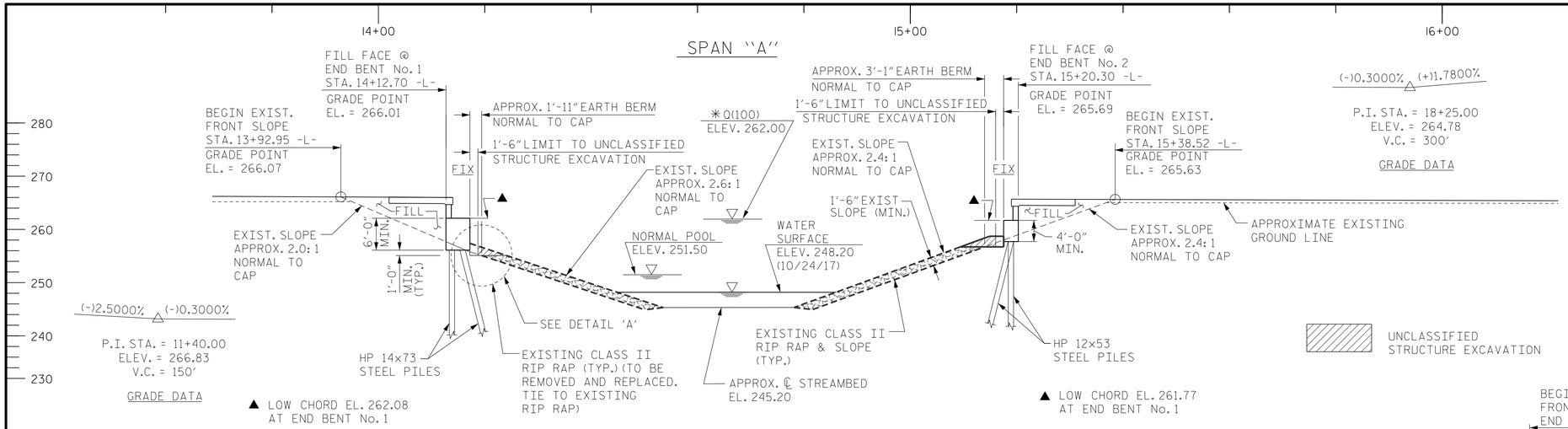


END BENT No. 1

END BENT No. 2

UNCLASSIFIED STRUCTURE EXCAVATION

HYDRAULIC DATA

DESIGN DISCHARGE	N/A *
FREQUENCY OF DESIGN DISCHARGE	N/A *
DESIGN HIGH WATER ELEVATION	N/A *
DRAINAGE AREA	5.20 SQ. MI.
BASE DISCHARGE (Q100)	N/A *
BASE HIGH WATER ELEVATION	262.0

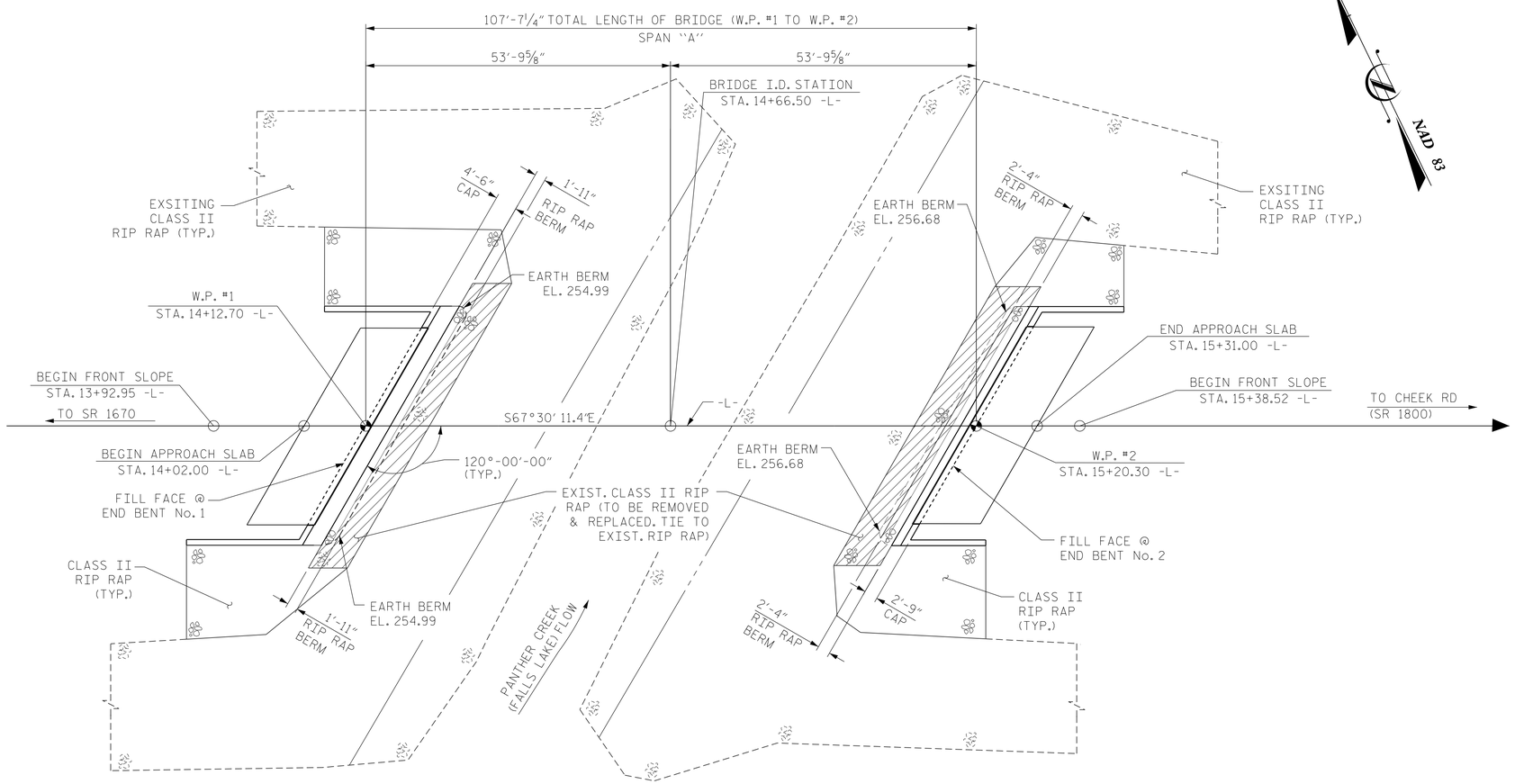
OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE	N/A *
FREQUENCY OF OVERTOPPING FLOOD	N/A *
OVERTOPPING ELEVATION	N/A *

* BRIDGE IS OVER FALLS LAKE AND WITHIN THE NEUSE RIVER 100 YR. BACKWATER

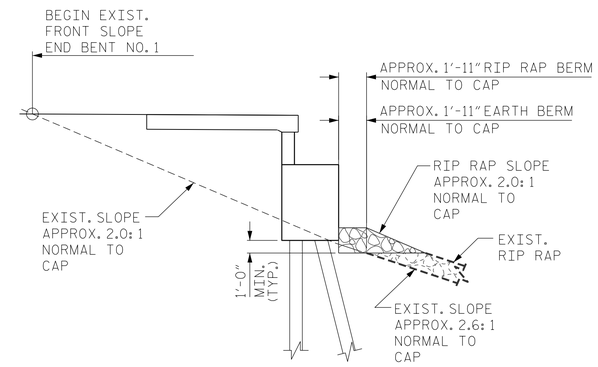
SECTION ALONG -L-

(SECTIONS AT END BENTS ARE AT RIGHT ANGLES)



PLAN

(PILES NOT SHOWN FOR CLARITY)



DETAIL 'A'

NOTE: WHERE THE PROPOSED RIP RAP FOR BRIDGE CONSTRUCTION IS TO BE TIED TO EXISTING RIP RAP FROM THE CHANNEL CONSTRUCTION, EXPOSE THE EDGE OF THE EXISTING GEOTEXTILE AND LAP THE NEW FABRIC WITH THE EXISITING FABRIC PER STANDARD SPECIFICATIONS BEFORE PLACING NEW RIP RAP. GEOTEXTILE SHALL BE CONTINUOUS FROM THE LAP WITH THE EXISITNG FABRIC TO THE STREAM FACE OF CAPS. THE OVERLAP OF THE FABRIC IS IMPORTANT TO MINIMIZE FUTURE MAINTENANCE RELATED TO LAKE LEVEL FLUCTUATION AROUND THE END BENTS.

PROJECT NO. 15005.1032011

DURHAM COUNTY

STATION: 14+66.50 -L-

SHEET 1 OF 3 BRIDGE NO. 310072

Dewberry
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

NORTH CAROLINA PROFESSIONAL SEAL 032096 ENGINEER JENNIFER R. MCROY

DocuSigned by: Jennifer R. McRoy
F2114C79128847...

3/14/2018

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 1637
OVER FALLS LAKE
BETWEEN SR 1670 & SR 1800

REVISIONS						SHEET No.
No.	BY:	DATE:	No.	BY:	DATE:	S01
1			3			TOTAL SHEETS
2			4			21

DRAWN BY : JRM DATE : 02/18
CHECKED BY : LMP DATE : 02/18

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

3/13/2018 2:46:46 PM
S01_REDWOOD RD_GPE.dgn
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