

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJ. REFERENCE NO.	SHEET NO.
HE-0002	3P-1

PARCEL INDEX SHEET

[illegible][illegible]

CUR DATA -Y1- Plc 16+81.56 Δc = 14°04'17.8" (RT) D = 11°27'33.0" Lc = 122.80 Tc = 61.71 R = 500 e = NC RO = N/A DS = 40 mph	CUR DATA -Y1- Plc 15+38.54 Δc = 74°20'29.7" (RT) D = 66°37'22.8" Lc = 111.59 Tc = 65.21 R = 86 e = NC RO = N/A DS = 25 mph
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FUJIFILM DIOSYNTH BIOTECHNOLOGIES HOLDINGS DELAWARE
DB 18879 PG 1689

10
SEQRUS INC
DB 16104 PG 1384



10
SEQRUS INC
DB 16104 PG 1384

HE-0002

4RDI004

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

DIVISION 5
ROADWAY DESIGN
ENGINEER

4/30/2025

SEAL

033400

ENGINEER

David B. Hesser

FFFD0B2D2F84D4

HYDRAULICS
ENGINEER

4/30/2025

SEAL

026306

ENGINEER

Alex Passmar

F4B45E0B17B45E

PREPARED BY

CDM Smith Inc.

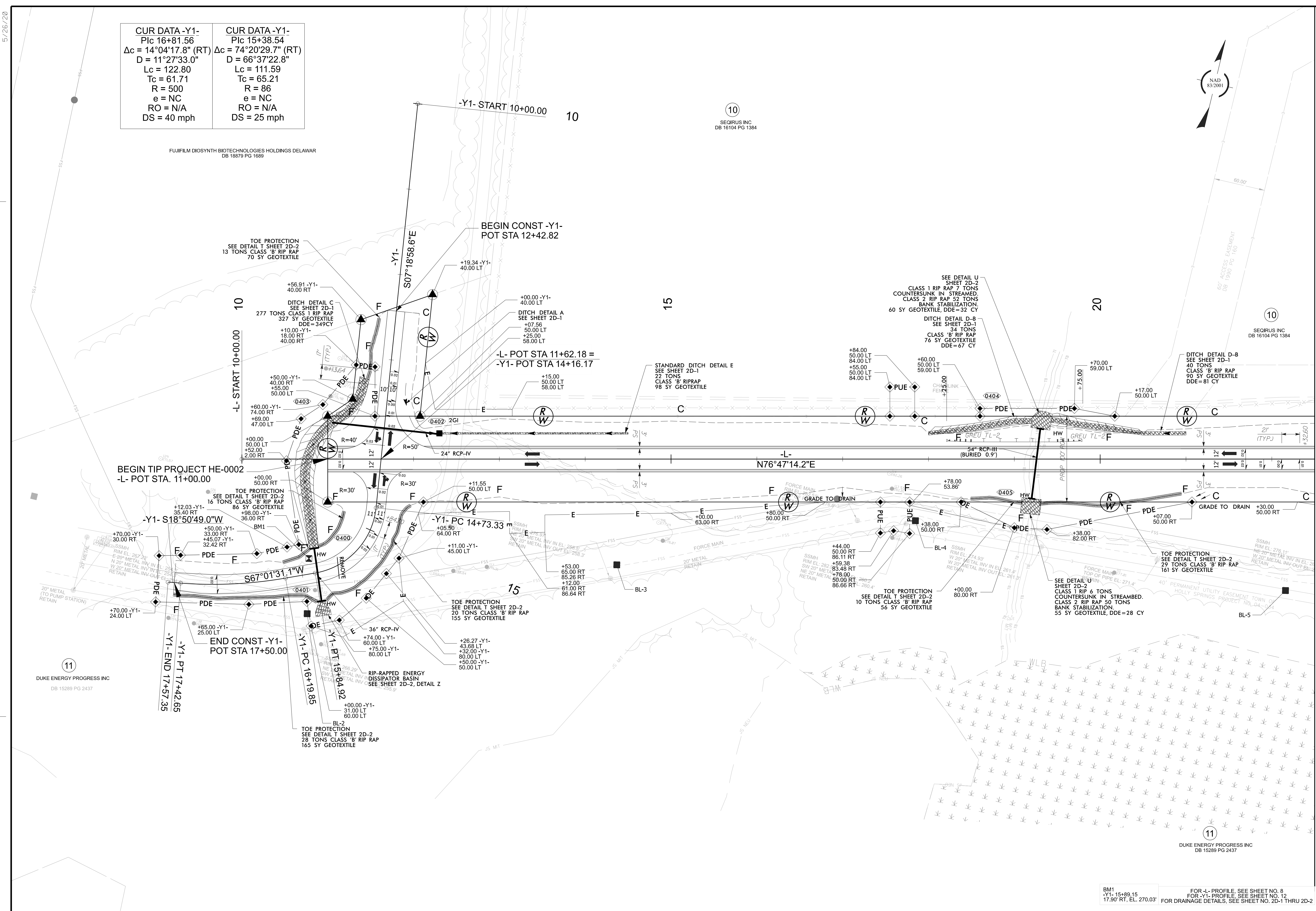
5600 Glenwood Avenue

Suite 200

Raleigh, NC 27612-3228

NC CDR No. F-1085

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



MATCH LINE -L- POT STA 22+50.00 SEE SHEET - 005

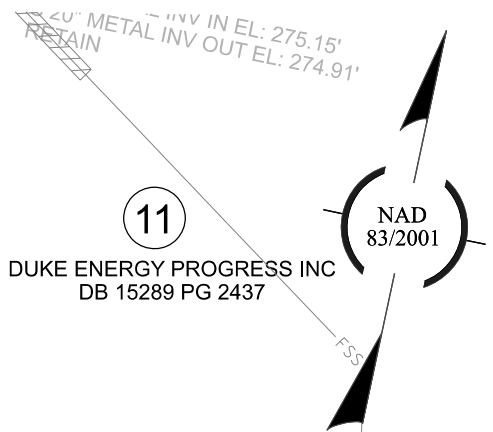
BM1
-Y1- 15+89.15
17.90' RT, EL. 270.03'

FOR -L- PROFILE, SEE SHEET NO. 8
FOR -Y1- PROFILE, SEE SHEET NO. 12
FOR DRAINAGE DETAILS, SEE SHEET NO. 2D-1 THRU 2D-2

CUR DATA-L- Plc 23+55.98 $\Delta c = 18^{\circ}49'44.1''$ (LT) D = 10°44'58.8" Lc = 175.16 Tc = 88.38 R = 533 e = 0.04 RO = 84' DS = 40 mph	CUR DATA-L- Plc 29+53.31 $\Delta c = 37^{\circ}39'11.8''$ (RT) D = 10°44'58.8" Lc = 350.27 Tc = 181.72 R = 533 e = 0.04 RO = 84' DS = 40 mph
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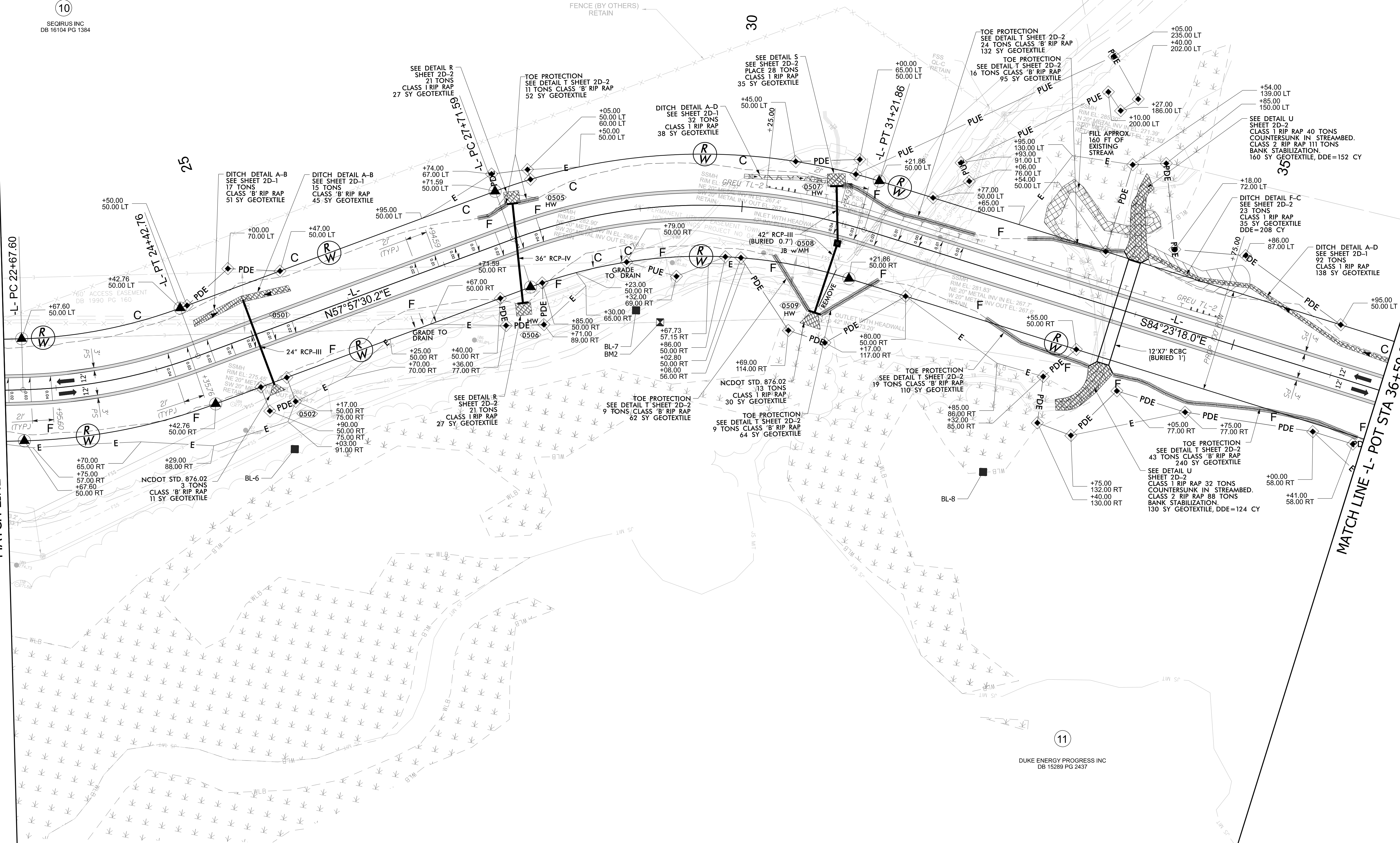
10
SEQRUS INC
DB 16104 PG 1384

11
DUKE ENERGY PROGRESS INC
DB 15289 PG 2437



MATCH LINE -L- POT STA 22+50.00 SEE SHEET - 004

MATCH LINE -L- POT STA 36+50.00 SEE SHEET - 006



BM2
L- 29+08.56
112.65' RT, EL. 277.70'

FOR -L- PROFILE, SEE SHEET NO. 9
FOR DRAINAGE DETAILS, SEE SHEET NO. 2D-1 THRU 2D-2

HE-0002

4RDI005

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

DIVISION 5
ROADWAY DESIGN
ENGINEER

4/30/2024

SEAL

033400

ENGINEER

David E. Kiser

HYDRAULICS
ENGINEER

4/30/2024

SEAL

026306

ENGINEER

David M. Kiser

PREPARED BY

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NC CDR No. F-1285

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MATCH LINE -L- POT STA 36+50.00 SEE SHEET - 005

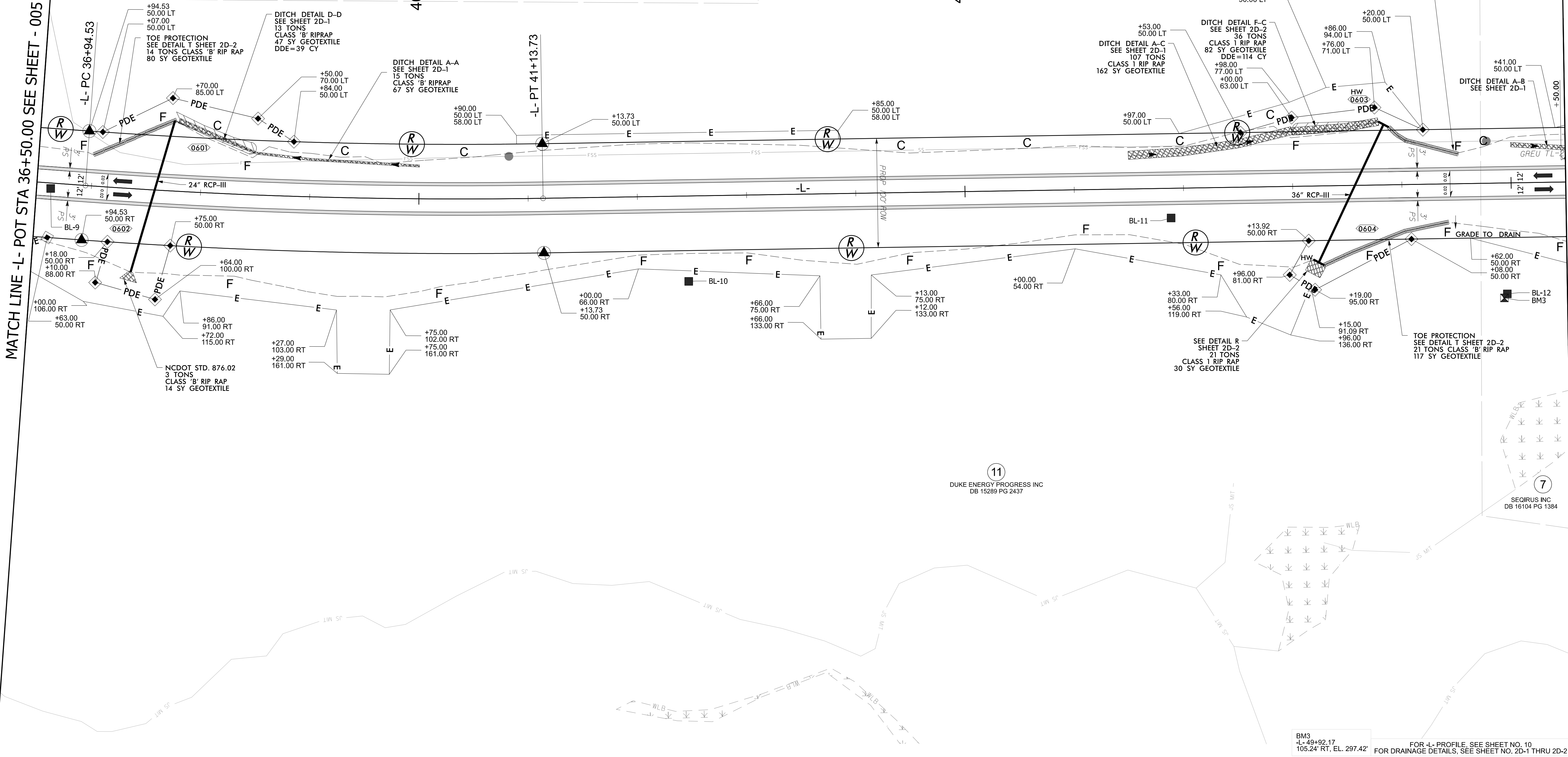
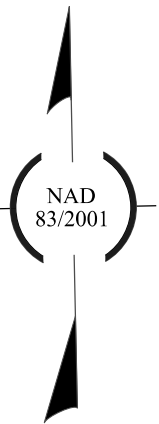
MATCH LINE -L- POT STA 50+50.00 SEE SHEET - 007

CUR DATA -L-
P/c 39+04.26
 $\Delta c = 05^{\circ}02'07.3''$ (LT)
 $D = 01^{\circ}12'04.2''$
 $L_c = 419.20$
 $T_c = 209.74$
 $R = 4,770$
 $e = NC$
 $RO = N/A$
 $DS = 40$ mph

10
SEQRUS INC
DB 16104 PG 1384

11
DUKE ENERGY PROGRESS INC
DB 15289 PG 2437

7
SEQRUS INC
DB 16104 PG 1384



BM3
L-49+92.17
105.24' RT, EL. 297.42'
FOR L- PROFILE, SEE SHEET NO. 10
FOR DRAINAGE DETAILS, SEE SHEET NO. 2D-1 THRU 2D-2

HE-0002

4RDI006

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

DIVISION 5

ROADWAY DESIGN
ENGINEER

David E. Hester
Professional Engineer
033400
4/30/2024

HYDRAULICS
ENGINEER

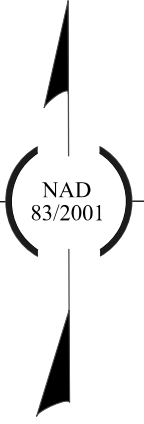
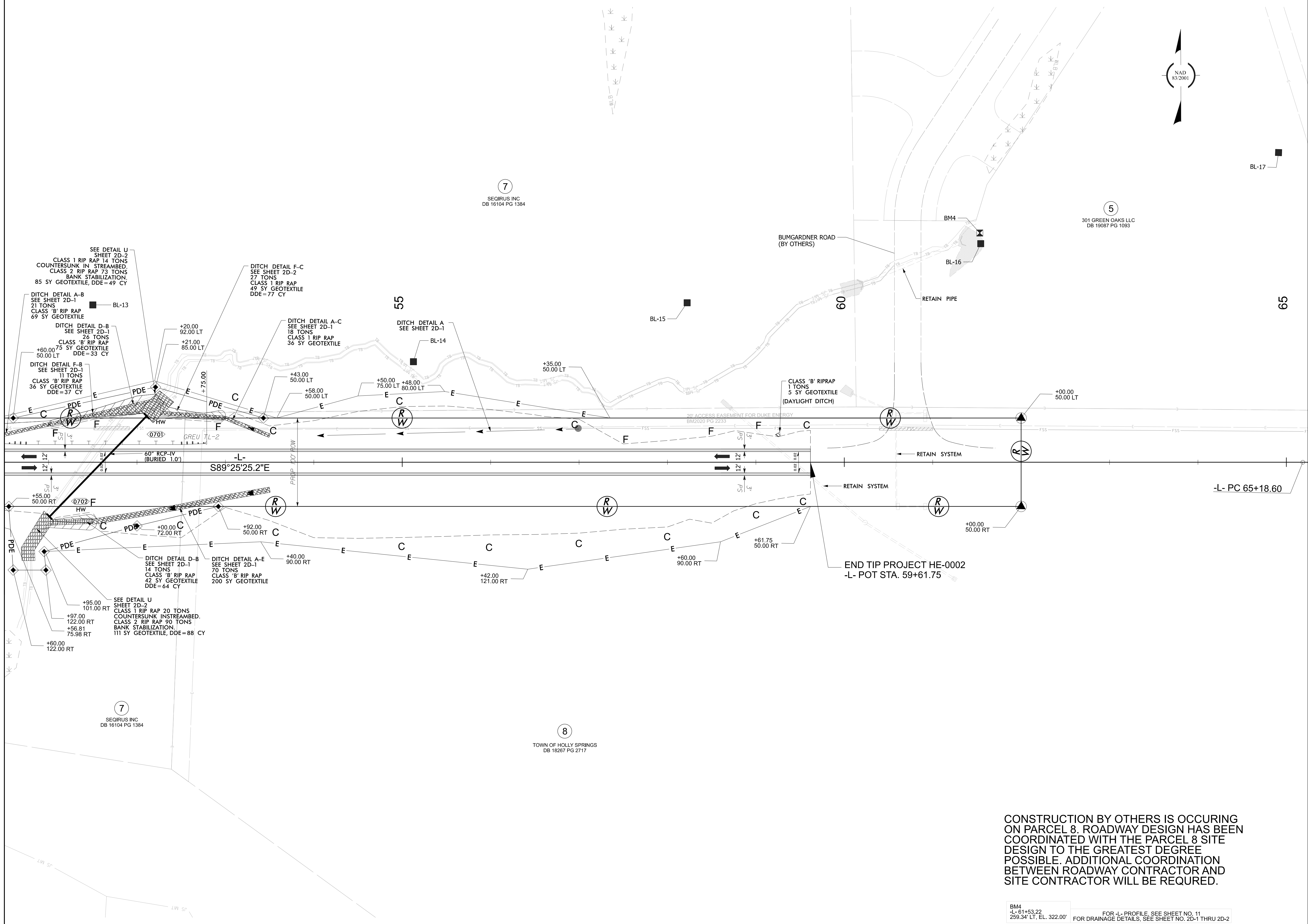
David E. Hester
Professional Engineer
026306
4/30/2024

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NC CDS No. F-1265

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MATCH LINE -L- POT STA 50+50.00 SEE SHEET - 006



HE-0002

4RDI007

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

DIVISION 5
ROADWAY DESIGN
ENGINEER

4/30/2025

SEAL

033400

ENGINEER

David E. Kiser
Professional Engineer
9FDD0B2025F84B4

HYDRAULICS
ENGINEER

4/30/2025

SEAL

026306

ENGINEER

David P. Asmus
Professional Engineer
F4B45E601F84B611

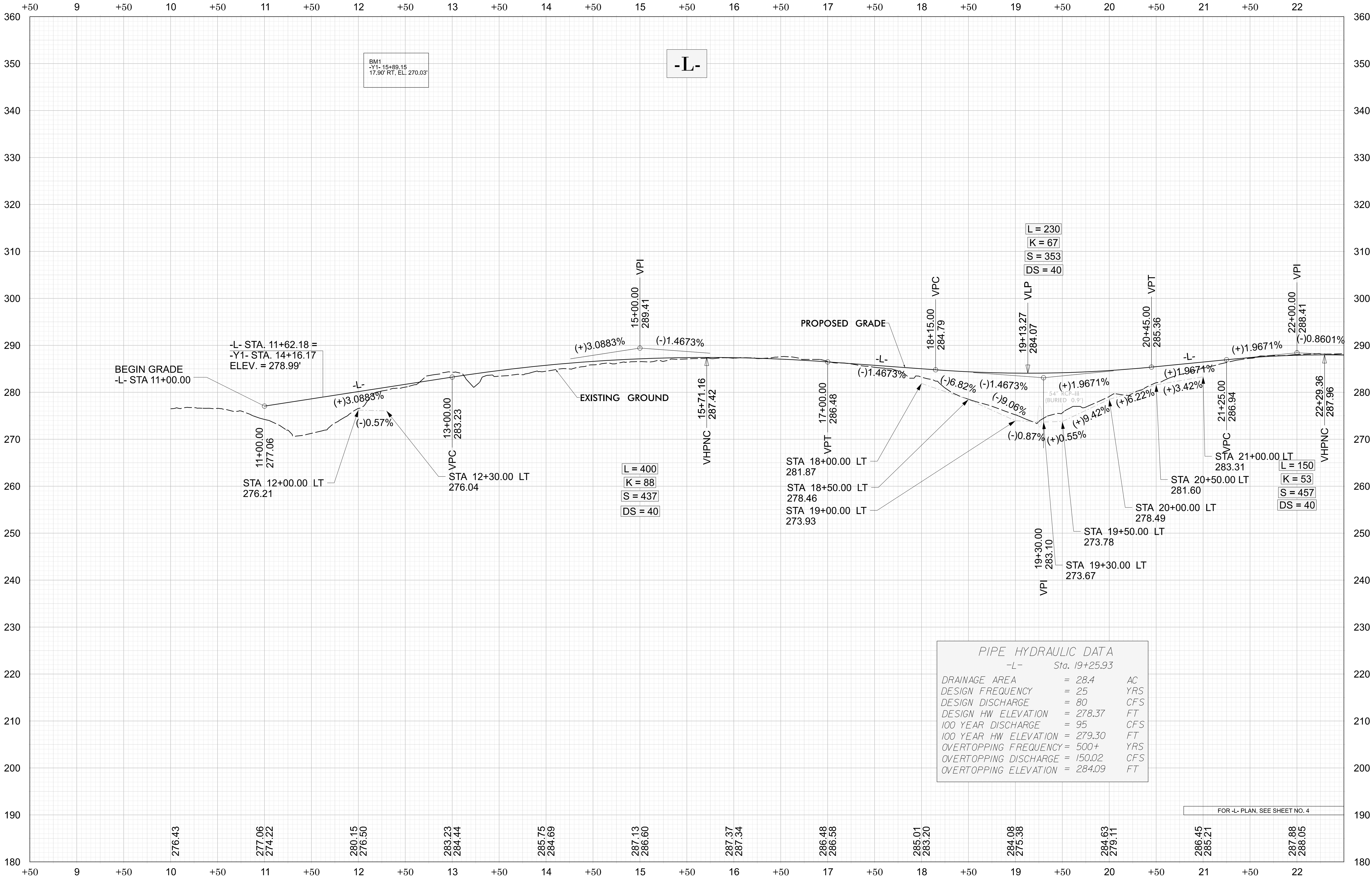
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CDM Smith
CDM Smith Inc.
5600 Glenwood Avenue
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Raleigh, NC 27612-3228
NC CDR No. F-1025

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CONSTRUCTION BY OTHERS IS OCCURING ON PARCEL 8. ROADWAY DESIGN HAS BEEN COORDINATED WITH THE PARCEL 8 SITE DESIGN TO THE GREATEST DEGREE POSSIBLE. ADDITIONAL COORDINATION BETWEEN ROADWAY CONTRACTOR AND SITE CONTRACTOR WILL BE REQUIRED.

BM4
-L- 61+53.22
259.34' LT, EL. 322.00'
FOR -L- PROFILE, SEE SHEET NO. 11
FOR DRAINAGE DETAILS, SEE SHEET NO. 2D-1 THRU 2D-2



HE-0002

4RDI008

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

DIVISION 5

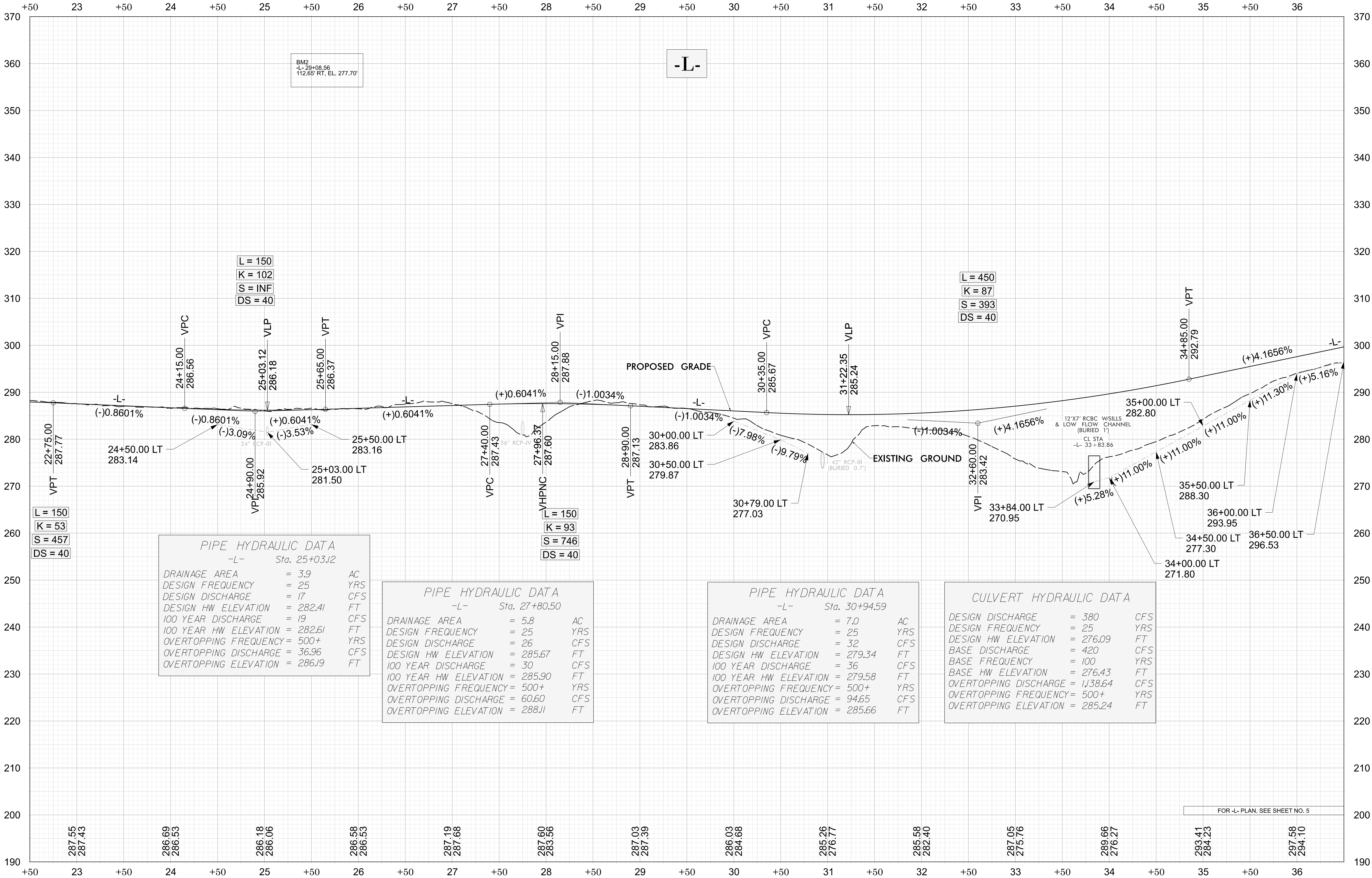
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

PREPARED BY

CDM Smith Inc.
5600 Glenwood Avenue
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Raleigh, NC 27612-3228
NC CDR No. F-1285

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HE-0002

4RDI009

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

DIVISION 5

ROADWAY DESIGN
ENGINEER

4/30/2025

SEAL

033400

David E. Leuter

Professional Engineer

05F082026F8404

4/30/2025

SEAL

026306

David E. Leuter

Professional Engineer

05F082026F8404

PREPARED BY

CDM Smith Inc.

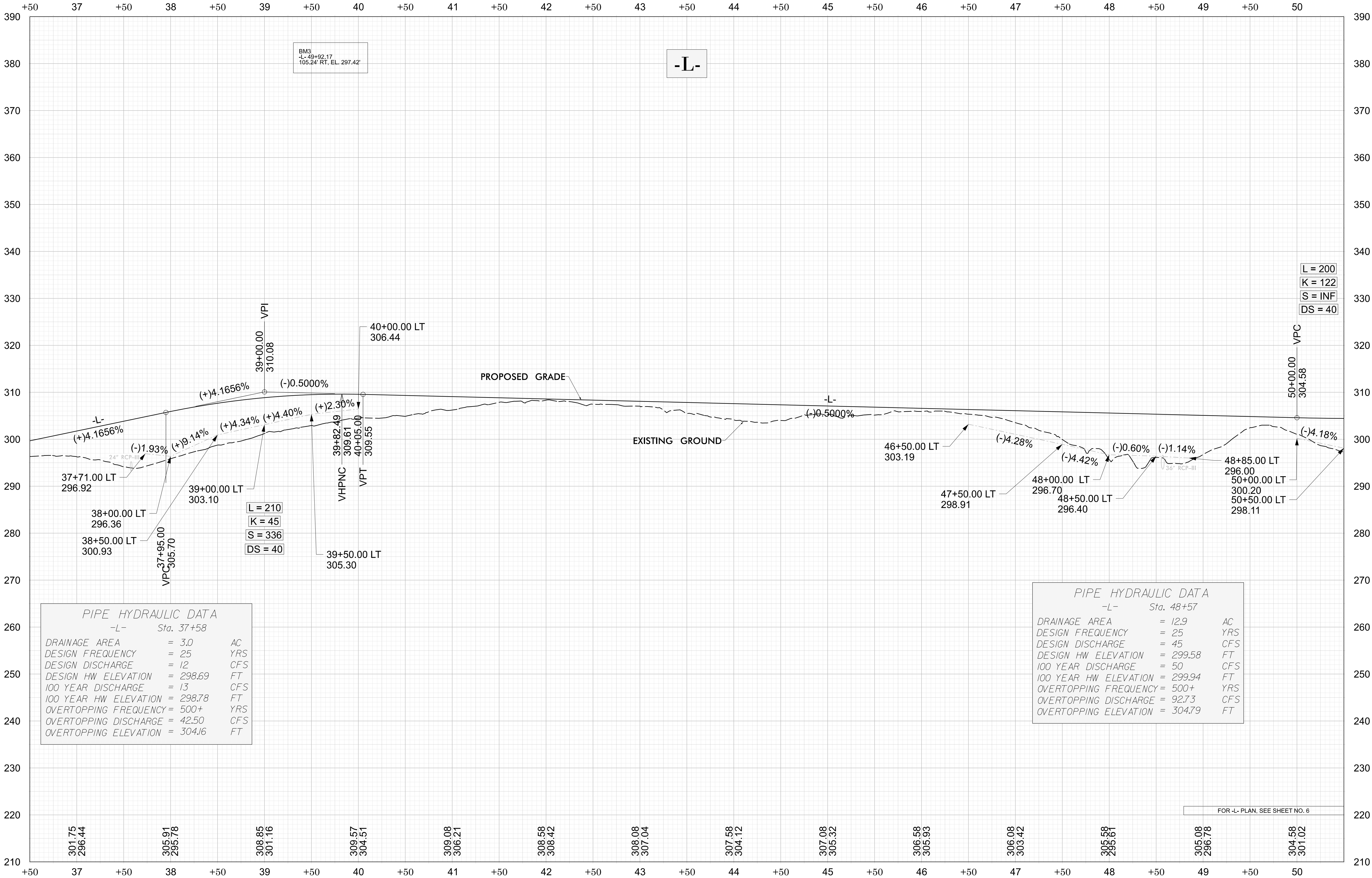
5600 Glenwood Avenue

Suite 400

Raleigh, NC 27612-5028

NC CDR No. F-1265

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HE-0002

4RDI010

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WAKE COUNTY

DIVISION 5

ROADWAY DESIGN
ENGINEER

4/30/2025

SEAL

033400

David E. Fisher

SFDD082025FB404.1

HYDRAULICS
ENGINEER

4/30/2025

SEAL

026306

David P. Smales

SFDD082025FB404.1

PREPARED BY

CDM Smith Inc.

5400 Glenwood Avenue

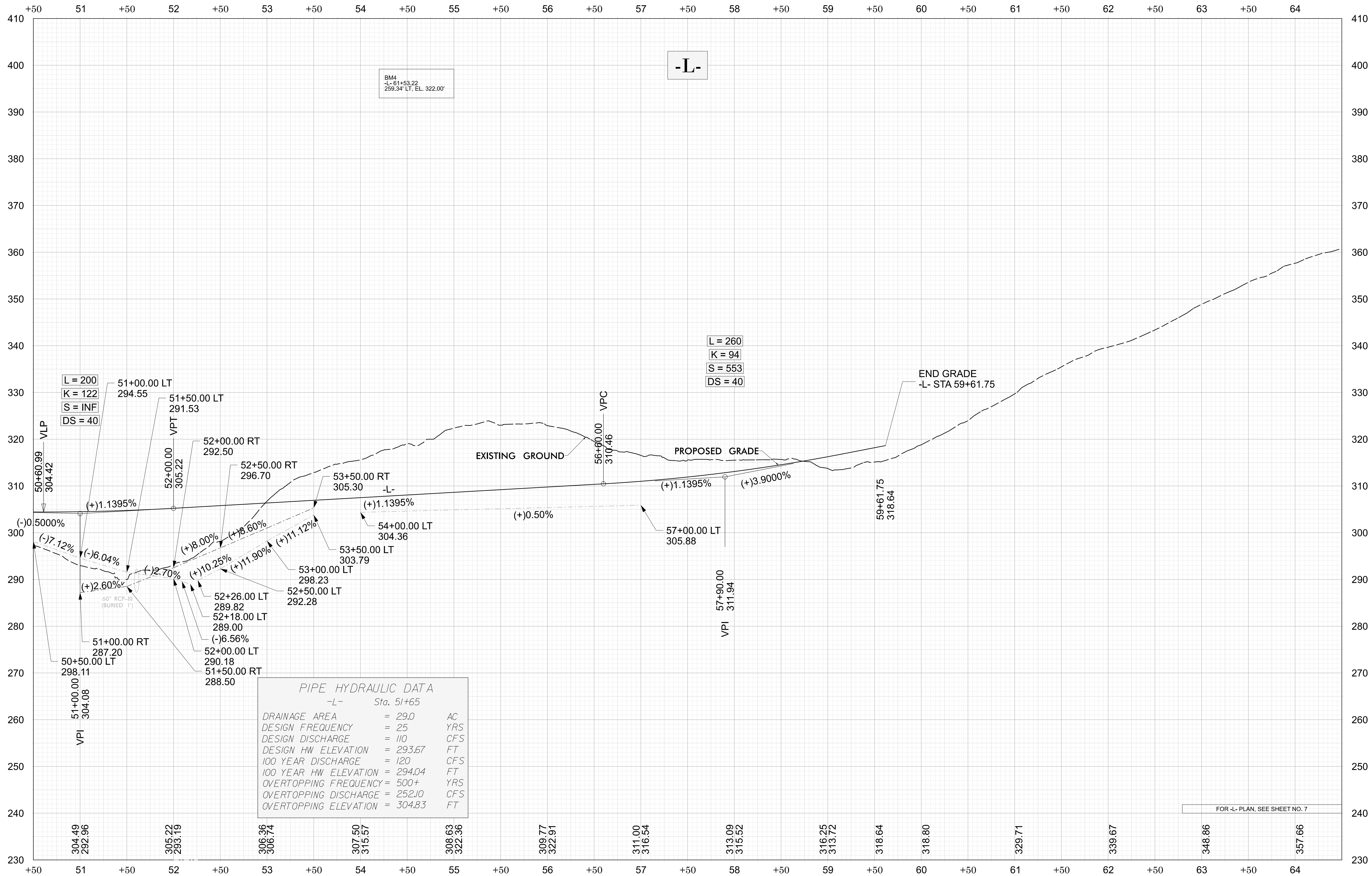
Suite 400

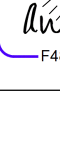
Raleigh, NC 27612-3028

NC CDR No. F-1265

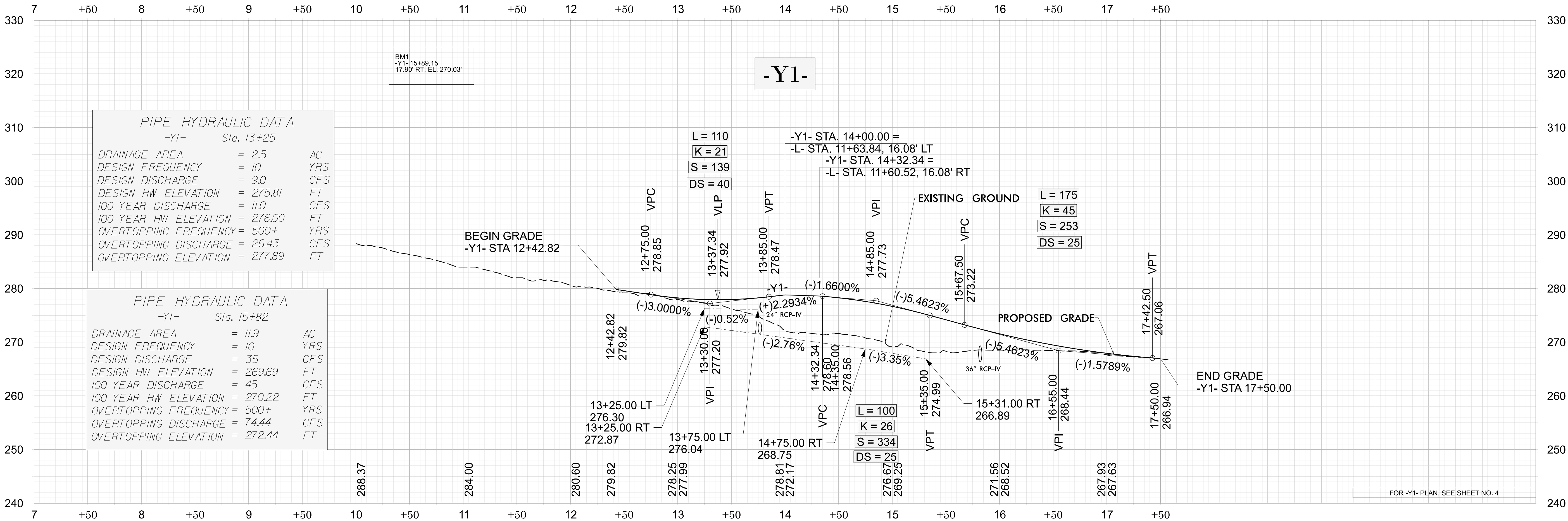
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FOR -L- PLAN, SEE SHEET NO. 6



HE-0002	
4RDI	011
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WAKE COUNTY 	
DIVISION 5	
ROADWAY DESIGN ENGINEER	
NORTH CAROLINA 4/30/2025 SEAL 033400 ENGINEER	
<i>Designed by:</i>  SPFO000209/BA04	
HYDRAULICS ENGINEER	
NORTH CAROLINA 4/30/2025 SEAL 026306 ENGINEER	
<i>Signed by:</i>  F4A5E00017BA01	
PREPARED BY	
 CDM Smith Inc. 3400 Glenwood Avenue Suite 400 Raleigh, NC 27612-3228 NC CDA No. F-1255	
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HE-0002

4RDI012

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

WAKE COUNTY

DIVISION 5

ROADWAY DESIGN

ENGINEER

4/30/2025

SEAL

033400

ENGINEER

David E. Kuster

SFDD082025F8404

HYDRAULICS

ENGINEER

4/30/2025

SEAL

026306

ENGINEER

David E. Kuster

F848A8E081F848E1

PREPARED BY

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NC CDR No. F-1205

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