

09/08/99

See Sheet 1-A For Index of Sheets
See Sheet 1-B For Conventional Symbols

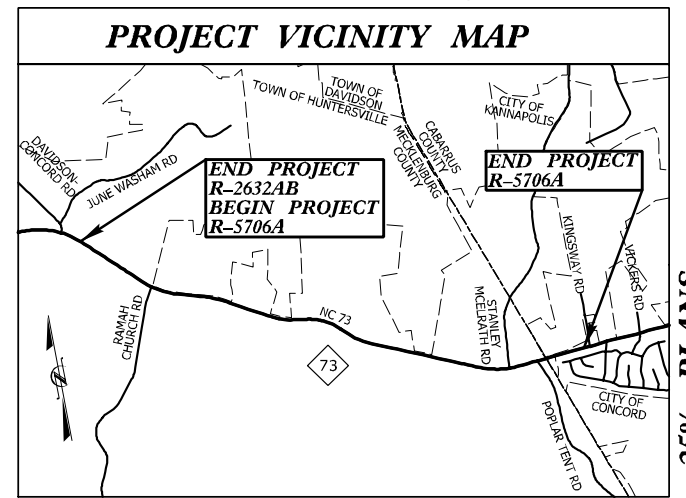
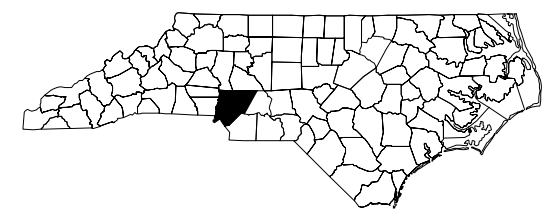
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5706A	1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
46378.1.1	N/A	PE	

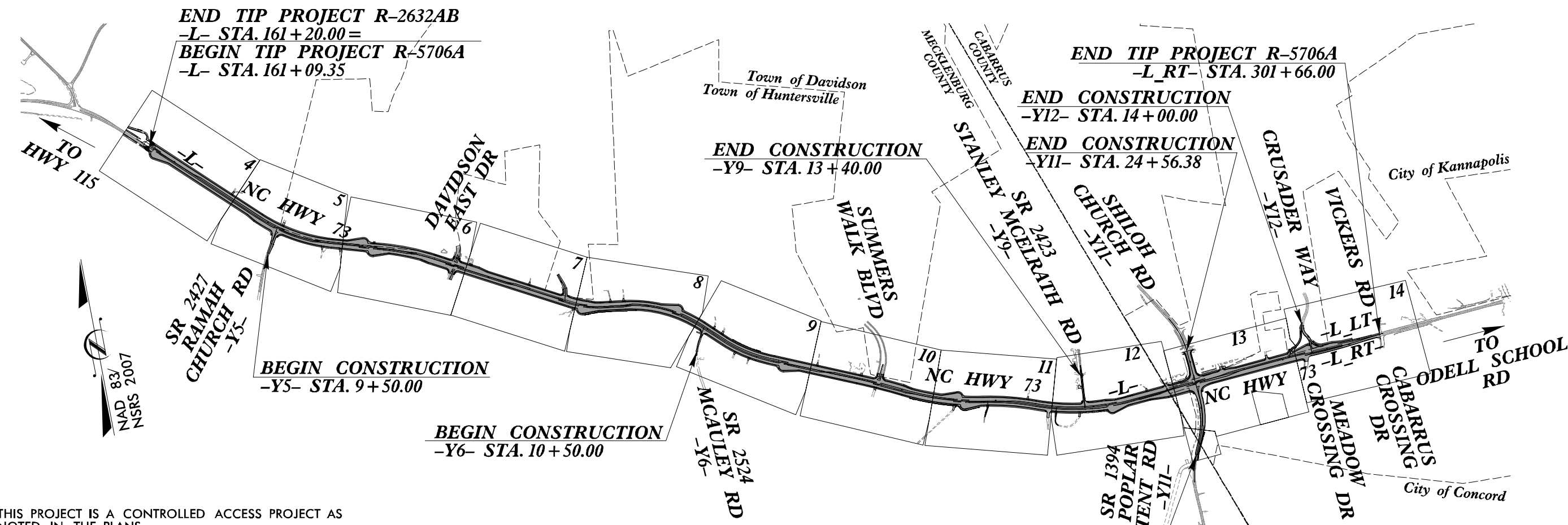
MECKLENBURG & CABARRUS COUNTIES

LOCATION: NC HWY 73 FROM S.R. 2693 DAVIDSON-CONCORD RD
TO CABARRUS CROSSING DRIVE

TYPE OF WORK: PAVING, GRADING, DRAINAGE, AND SIGNALS



25% PLANS



THIS PROJECT IS A CONTROLLED ACCESS PROJECT AS NOTED IN THE PLANS.

THIS PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE TOWN OF DAVIDSON, CITY OF KANNAPOLIS AND CONCORD.

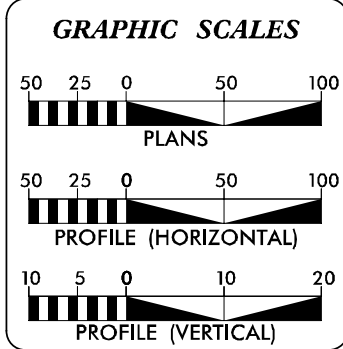
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

CP4B PLANS
Submitted: 10/25/2022

INCOMPLETE PLANS
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TIP PROJECT: R-5706A

CONTRACT:

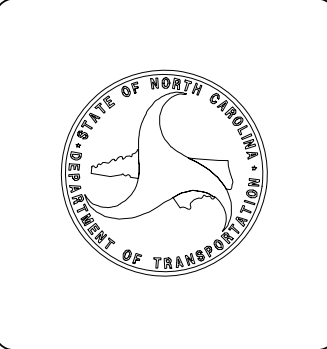


DESIGN DATA	
ADT 2026 =	31,100 vpd
ADT 2046 =	39,800 vpd
K =	8 %
D =	55 %
T =	10 % *
V =	50 MPH
* TTST 3% + DUAL 7%	
FUNC CLASS =	
ARTERIAL	
REGIONAL TIER	

PROJECT LENGTH
LENGTH OF ROADWAY TIP PROJECT R-5706A = 2.662 MILES

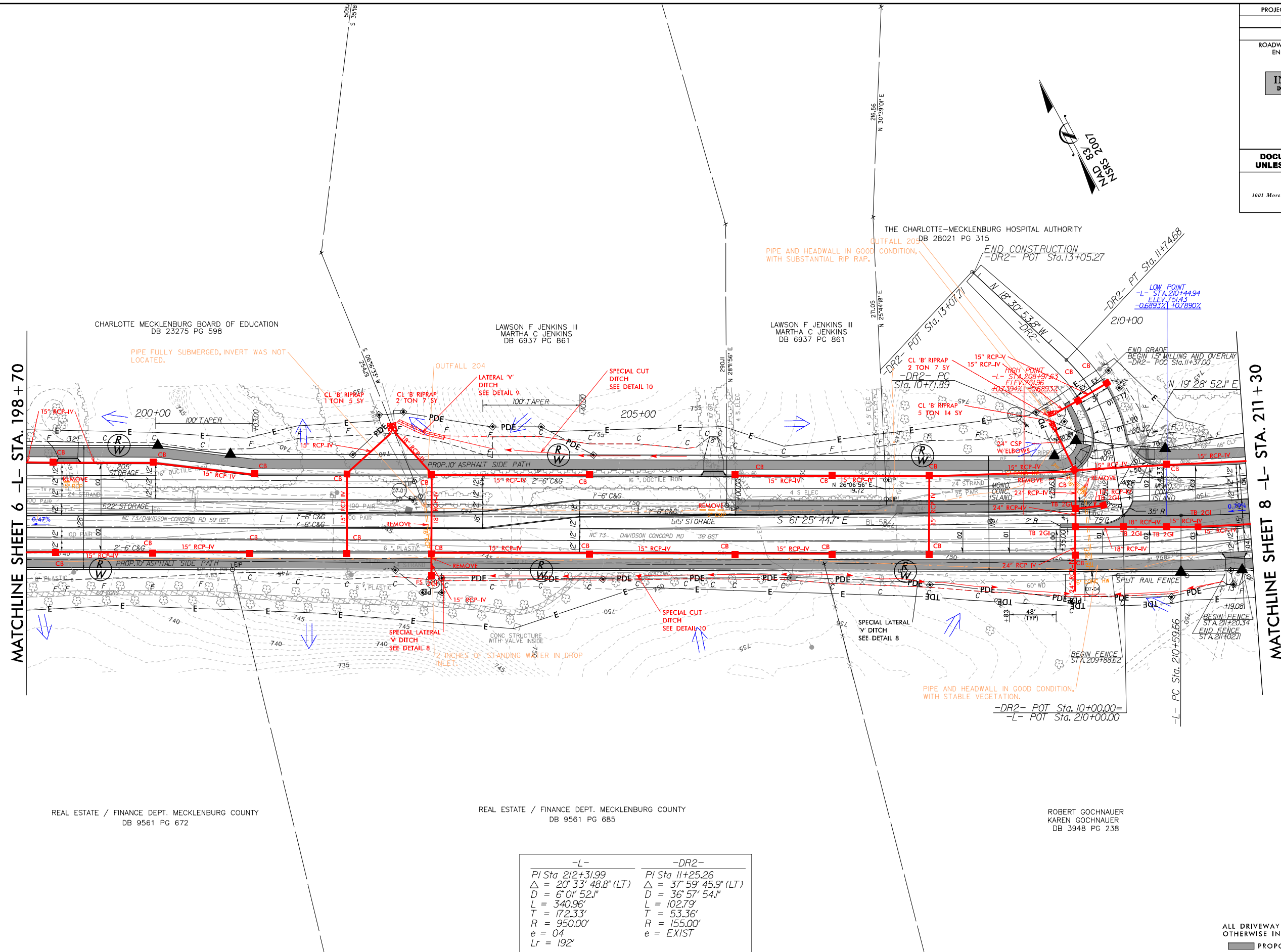
Prepared In the Office of: wsp 1001 Morehead Square Dr., Suite 610, Charlotte NC, 28203 NC LIC NO. F-0165	
2018 STANDARD SPECIFICATIONS	JENNIFER L. STARNES, P.E. PROJECT ENGINEER
RIGHT OF WAY DATE: OCTOBER 24, 2023	ALEJANDRA PORTILLO, P.E. PROJECT DESIGN ENGINEER
LETTING DATE: APRIL 3, 2026	KEVIN MOORE, P.E. NCDOT CONTACT

HYDRAULICS ENGINEER
SIGNATURE: _____ P.E.
ROADWAY DESIGN ENGINEER
SIGNATURE: _____ P.E.



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ALL DRIVEWAY CURB CUTS TO BE 20' UNLESS OTHERWISE INDICATED ON THE PLANS.

 PROPOSED ASPHALT SIDE PATH

 PROPOSED C&G, SIDEWALK AND CONCRETE MONOLITHIC ISLAND

SEE SHEET 16 FOR -L- PROFILE
SEE SHEET 22 FOR -DR2- PROFILE

PROJECT REFERENCE NO.
R-5706A

SHEET NO.
9

RW SHEET NO.

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

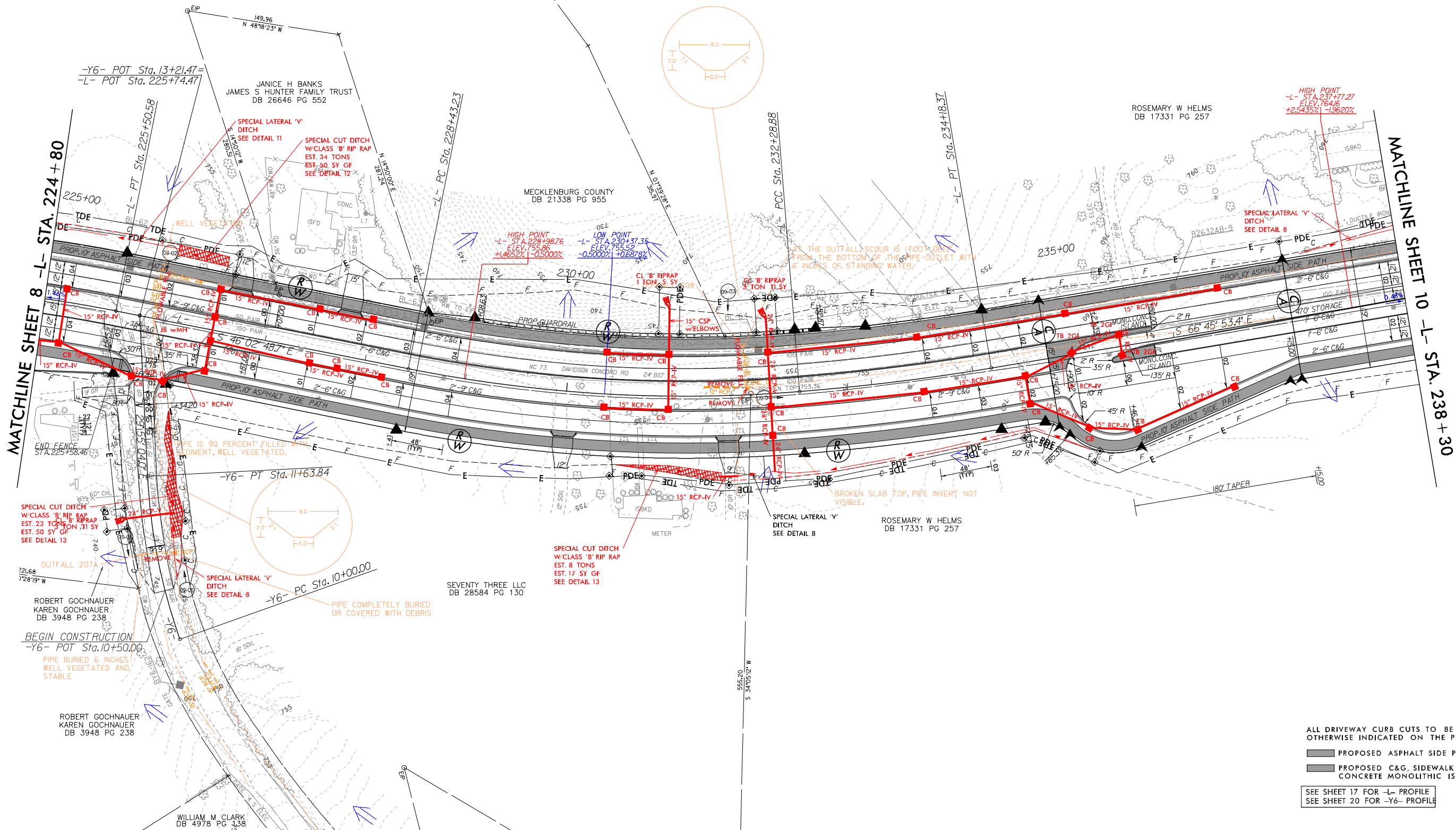
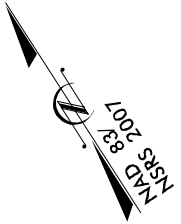
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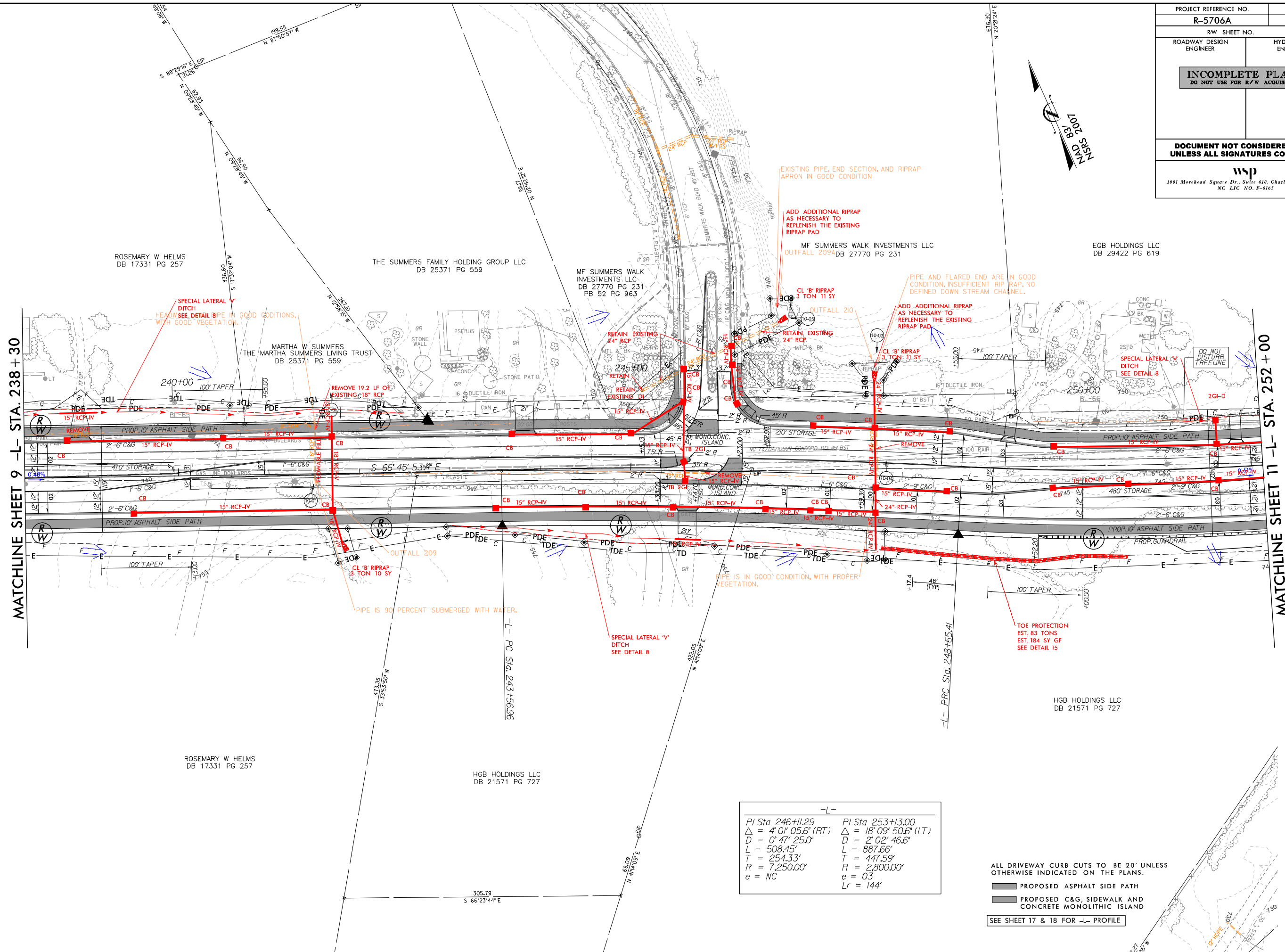
-L-		-Y6-	
PI Sta 221+26.42	PI Sta 230+37.28	PI Sta 233+23.68	PI Sta 10+82.51
$\Delta = 35^{\circ}56'44.7"$ (RT)	$\Delta = 15^{\circ}46'59.0"$ (LT)	$\Delta = 4^{\circ}56'05.7"$ (LT)	$\Delta = 16^{\circ}45'49.0"$ (RT)
$D = 4^{\circ}05'33.2"$	$D = 4^{\circ}05'33.2"$	$D = 2^{\circ}36'15.7"$	$D = 10^{\circ}13'53.0"$
$L = 878.32'$	$L = 385.65'$	$L = 189.49'$	$L = 163.84'$
$T = 454.15'$	$T = 194.06'$	$T = 94.80'$	$T = 82.51'$
$R = 1,400.00'$	$R = 1,400.00'$	$R = 2,200.00'$	$R = 560.00'$
$e = 04$	$e = 04$	$e = 04$	$e = NC$
$Lr = 192'$	$Lr = 192'$	$Lr = 192'$	



ALL DRIVEWAY CURB CUTS TO BE 20' UNLESS OTHERWISE INDICATED ON THE PLANS.

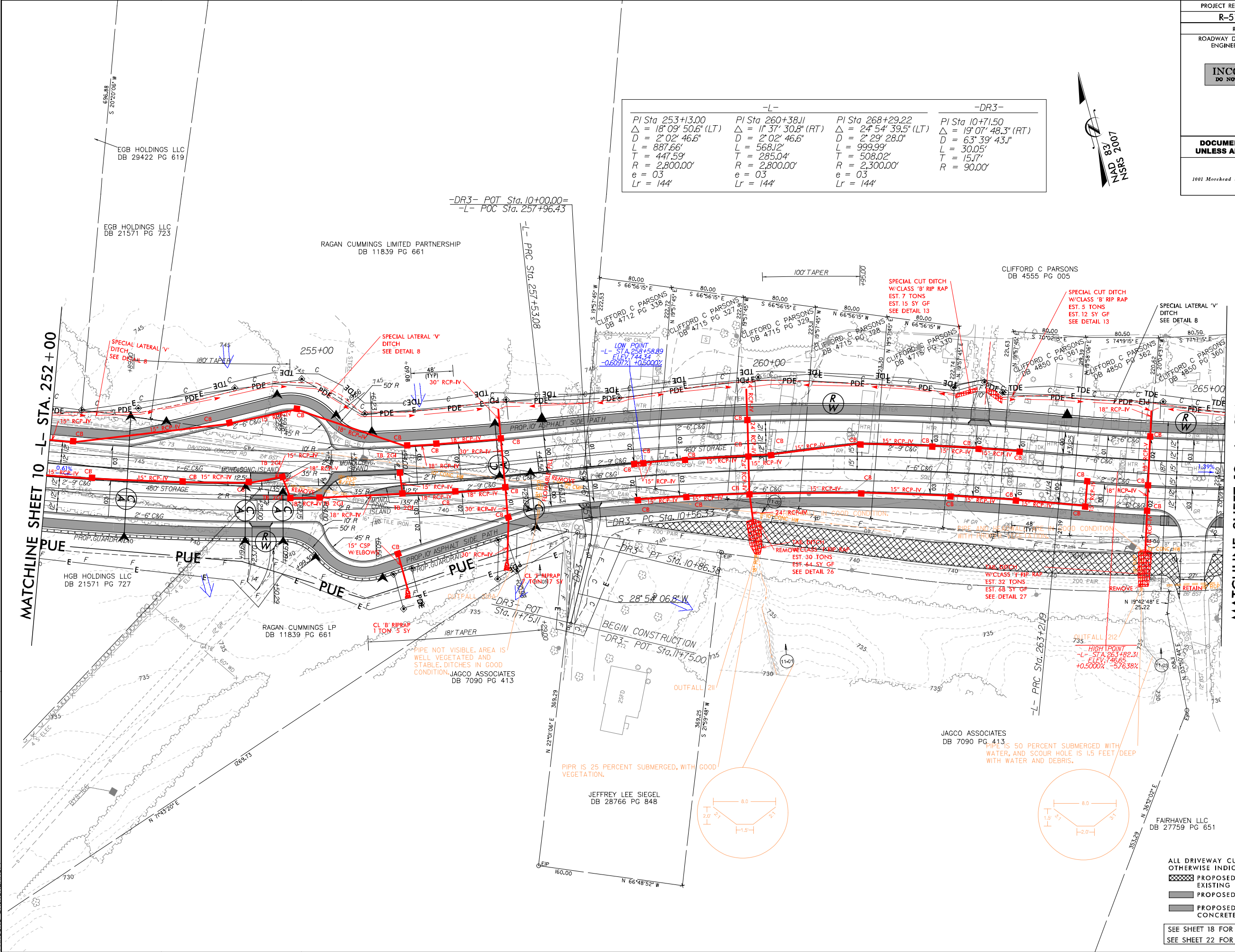
- PROPOSED ASPHALT SIDE PATH
- PROPOSED C&G, SIDEWALK AND CONCRETE MONOLITHIC ISLAND

SEE SHEET 17 FOR -L- PROFILE
SEE SHEET 20 FOR -Y6- PROFILE

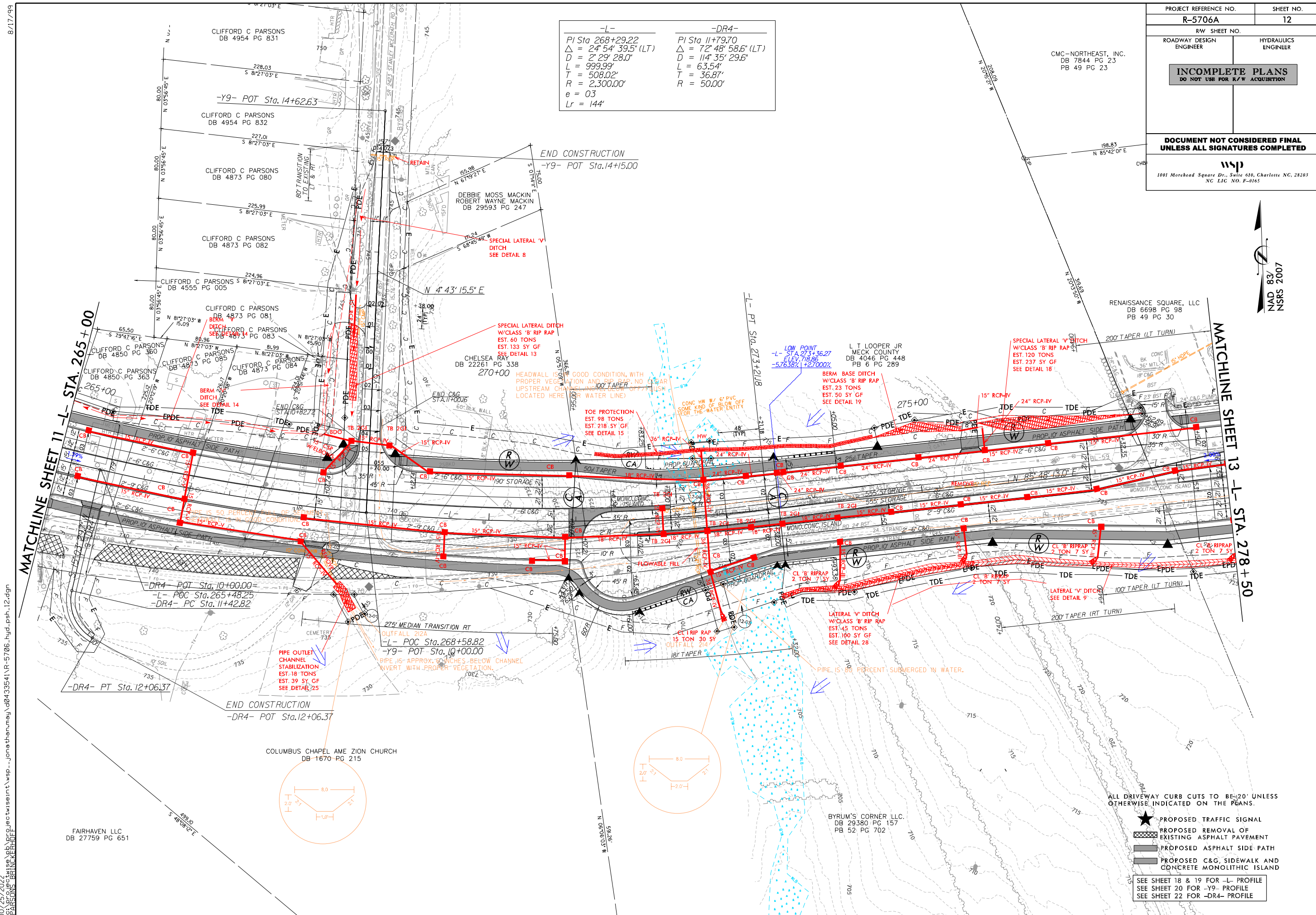


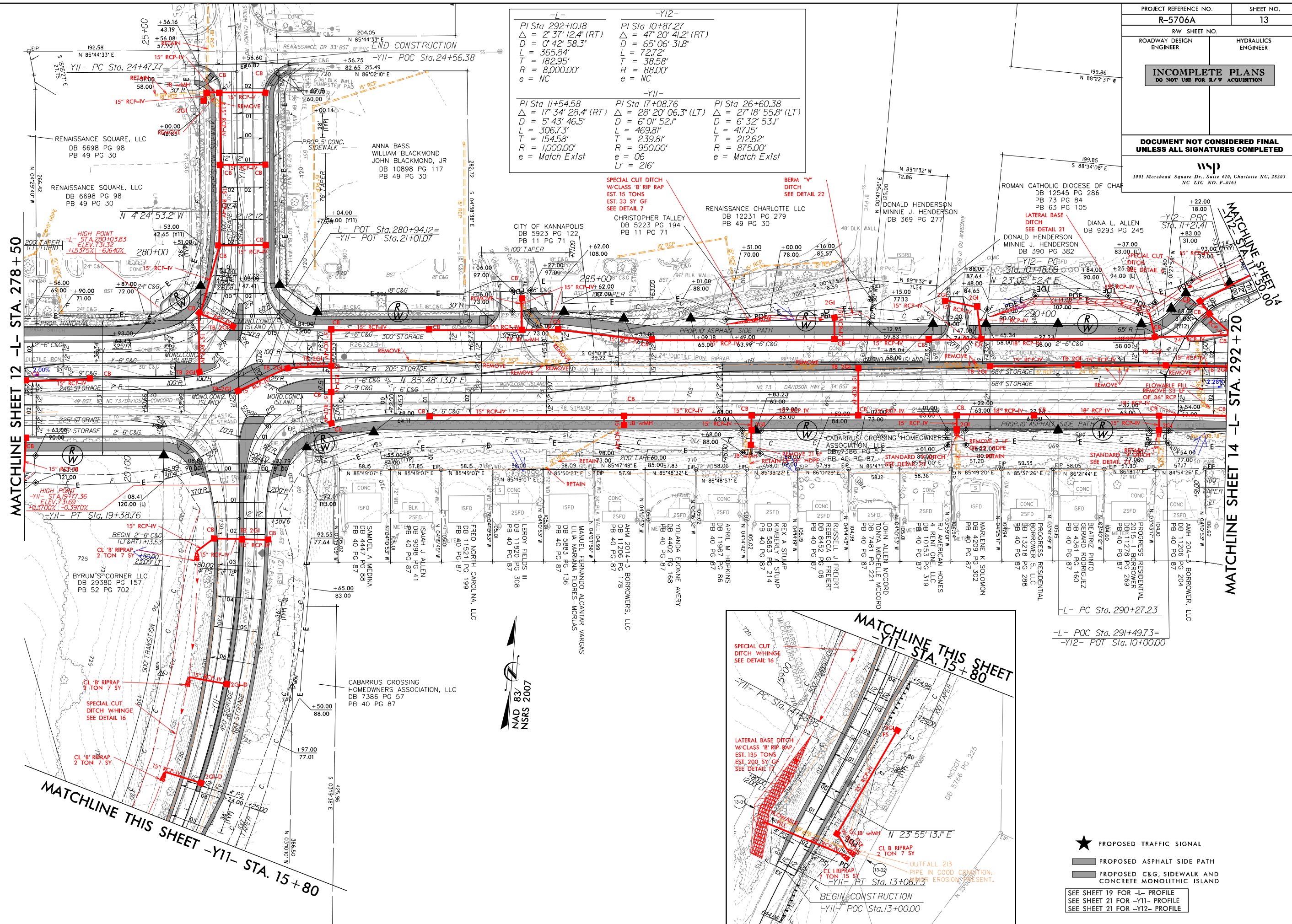
PROJECT REFERENCE NO.		SHEET NO.	
R-5706A		11	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION			
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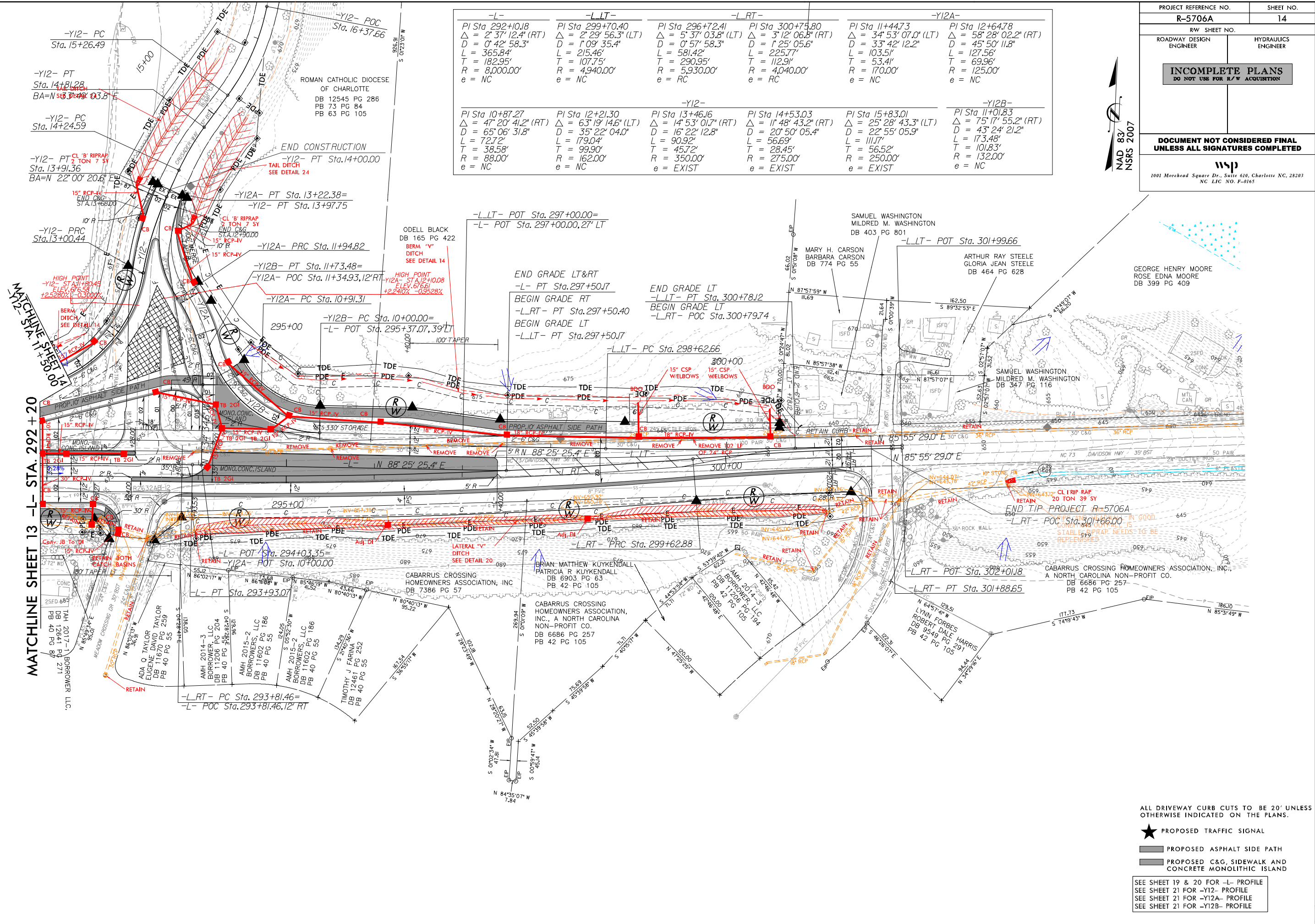
-L-		-DR3-	
PI Sta. 253+13.00	PI Sta. 260+38.11	PI Sta. 268+29.22	PI Sta. 10+71.50
$\Delta = 18^{\circ} 09' 50.6"$ (LT)	$\Delta = 11^{\circ} 37' 30.8"$ (RT)	$\Delta = 24^{\circ} 54' 39.5"$ (LT)	$\Delta = 19^{\circ} 07' 48.3"$ (RT)
D = 2' 02' 46.6"	D = 2' 02' 46.6"	D = 2' 29' 28.0"	D = 63' 39' 43.1"
L = 887.66'	L = 568.12'	L = 999.99'	L = 30.05'
T = 447.59'	T = 285.04'	T = 508.02'	T = 15.17'
R = 2,800.00'	R = 2,800.00'	R = 2,300.00'	R = 90.00'
e = 03'	e = 03'	e = 03'	
Lr = 144'	Lr = 144'	Lr = 144'	



- ALL DRIVEWAY CURB CUTS TO BE 20' UNLESS OTHERWISE INDICATED ON THE PLANS.
- PROPOSED REMOVAL OF EXISTING ASPHALT PAVEMENT
 - PROPOSED ASPHALT SIDE PATH
 - PROPOSED C&G, SIDEWALK AND CONCRETE MONOLITHIC ISLAND
- SEE SHEET 18 FOR -L- PROFILE
SEE SHEET 22 FOR -DR3- PROFILE



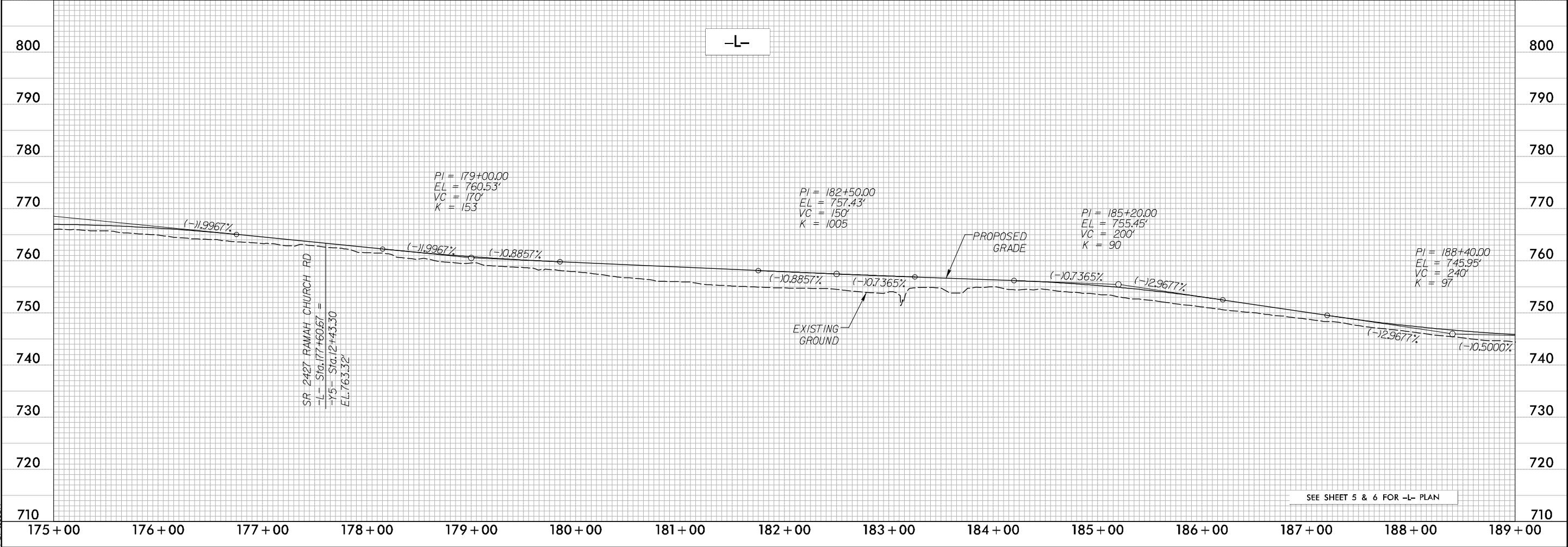
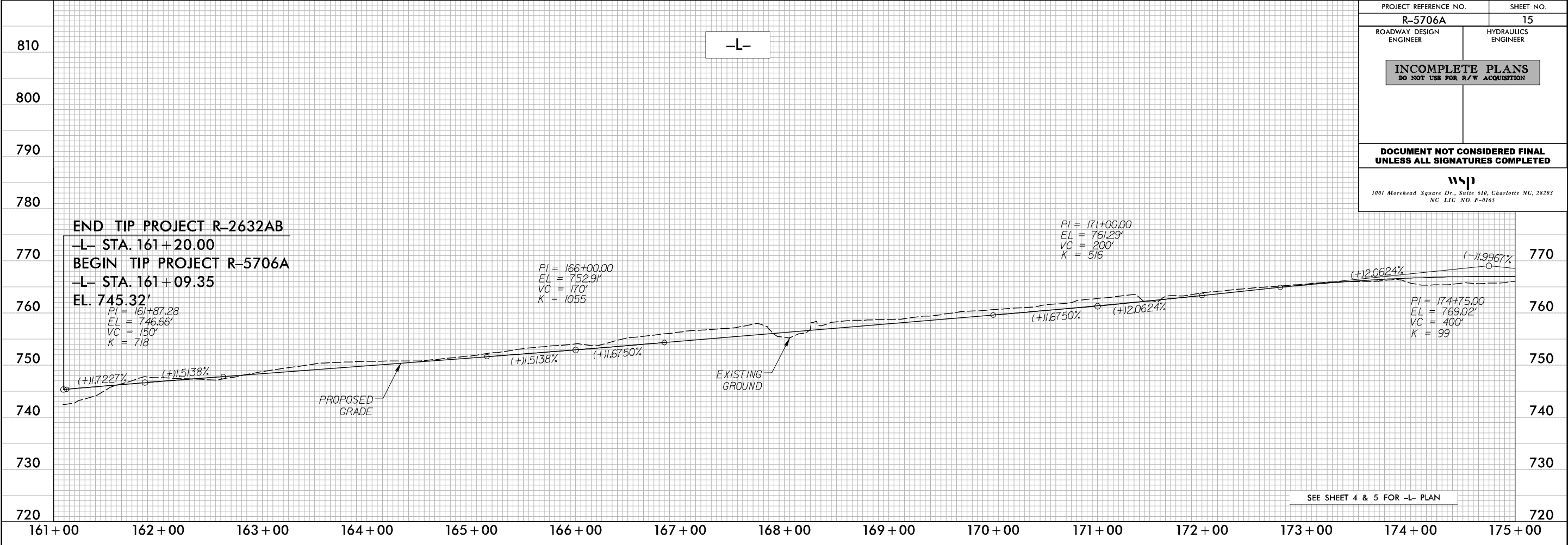




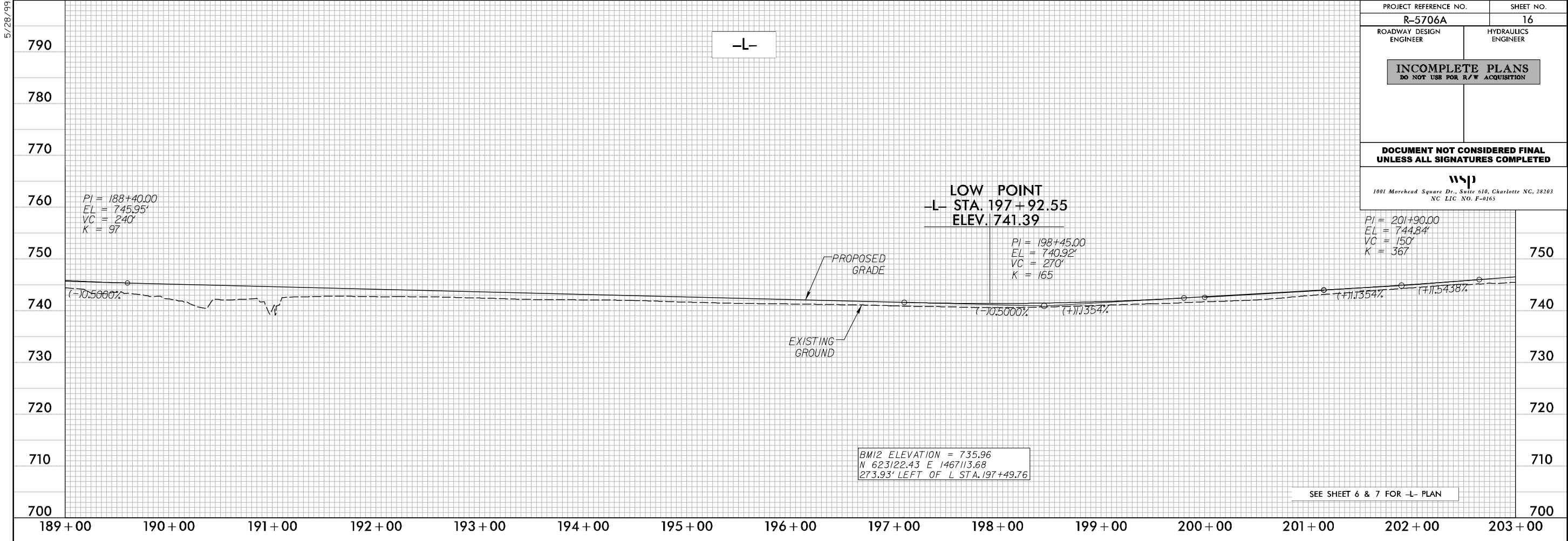
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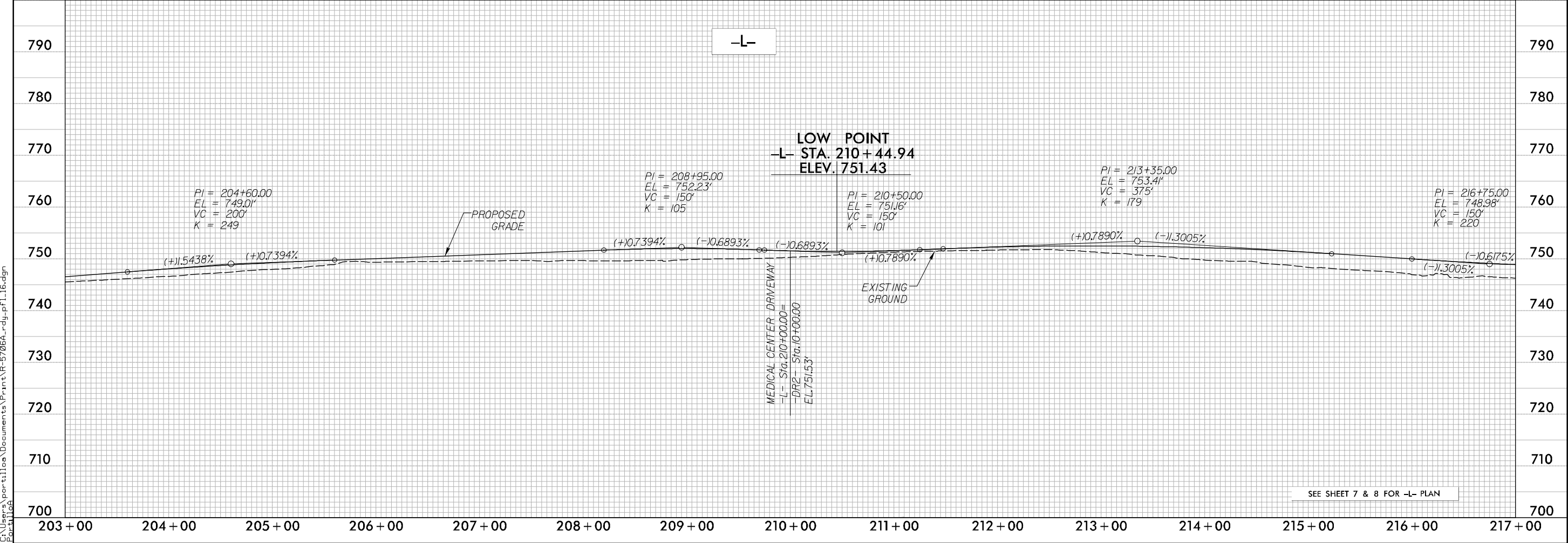
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INCOMPLETE PLANS DO NOT USE FOR R/W ACQUISITION		
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PROJECT REFERENCE NO.		SHEET NO.
R-5706A		16
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PROJECT REFERENCE NO.
R-5706A

SHEET NO.
17

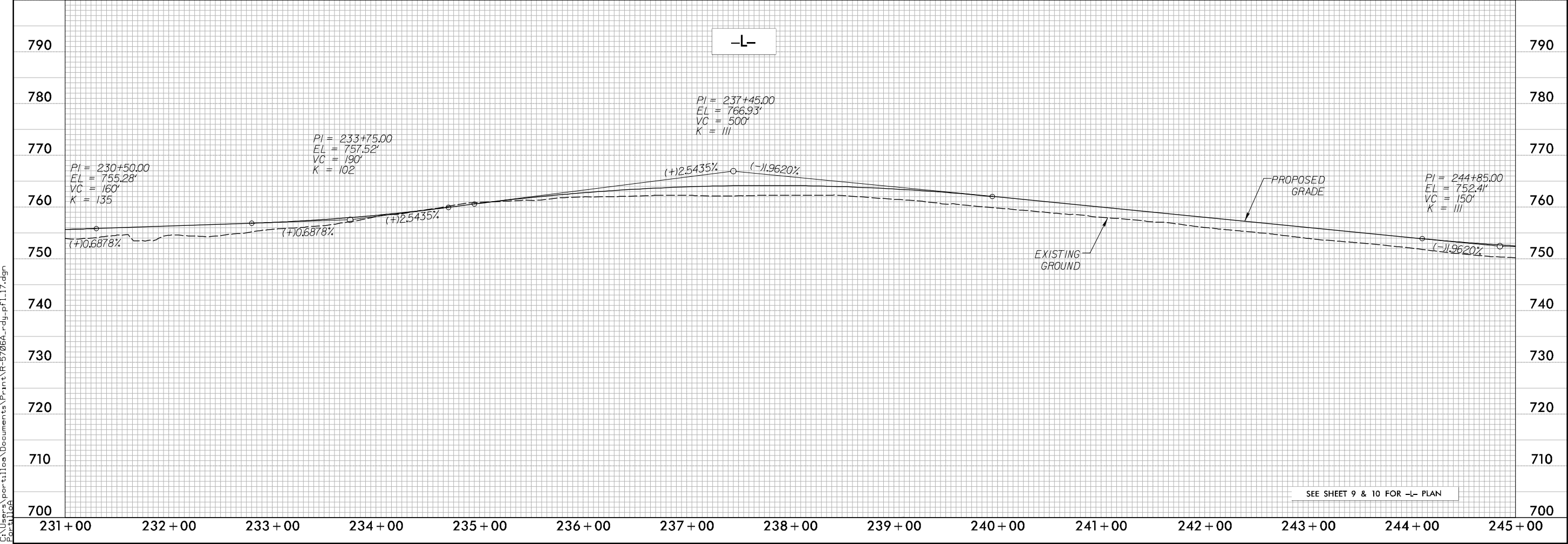
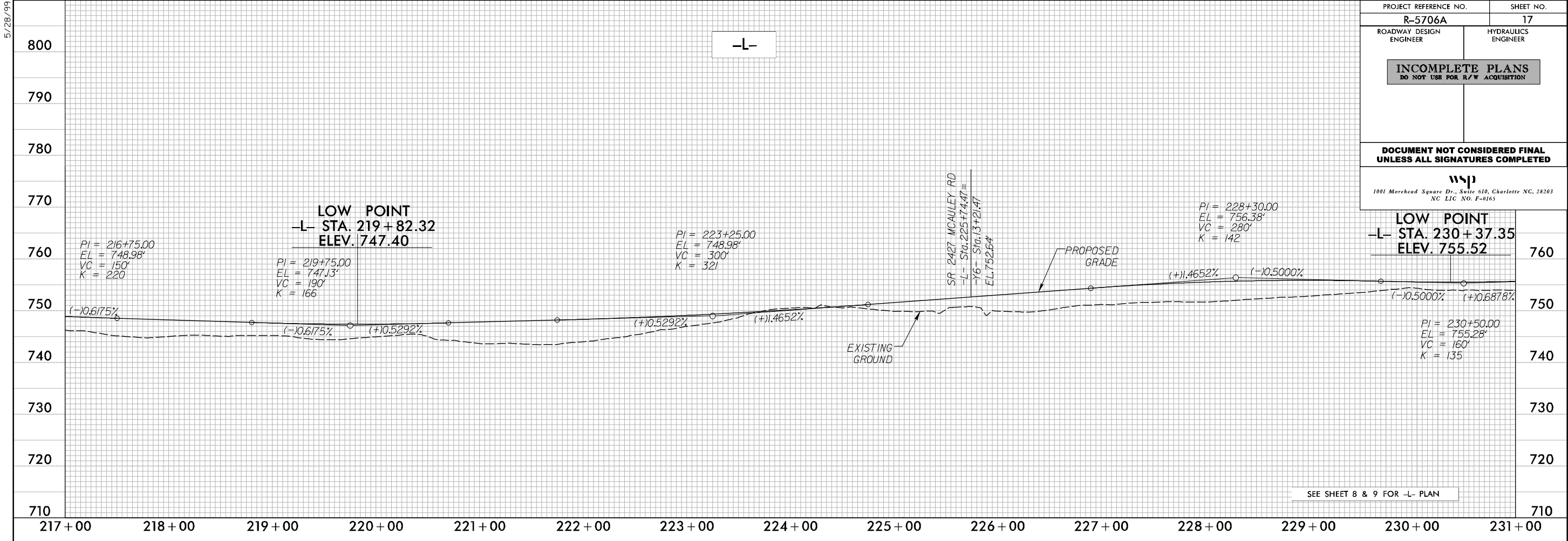
ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

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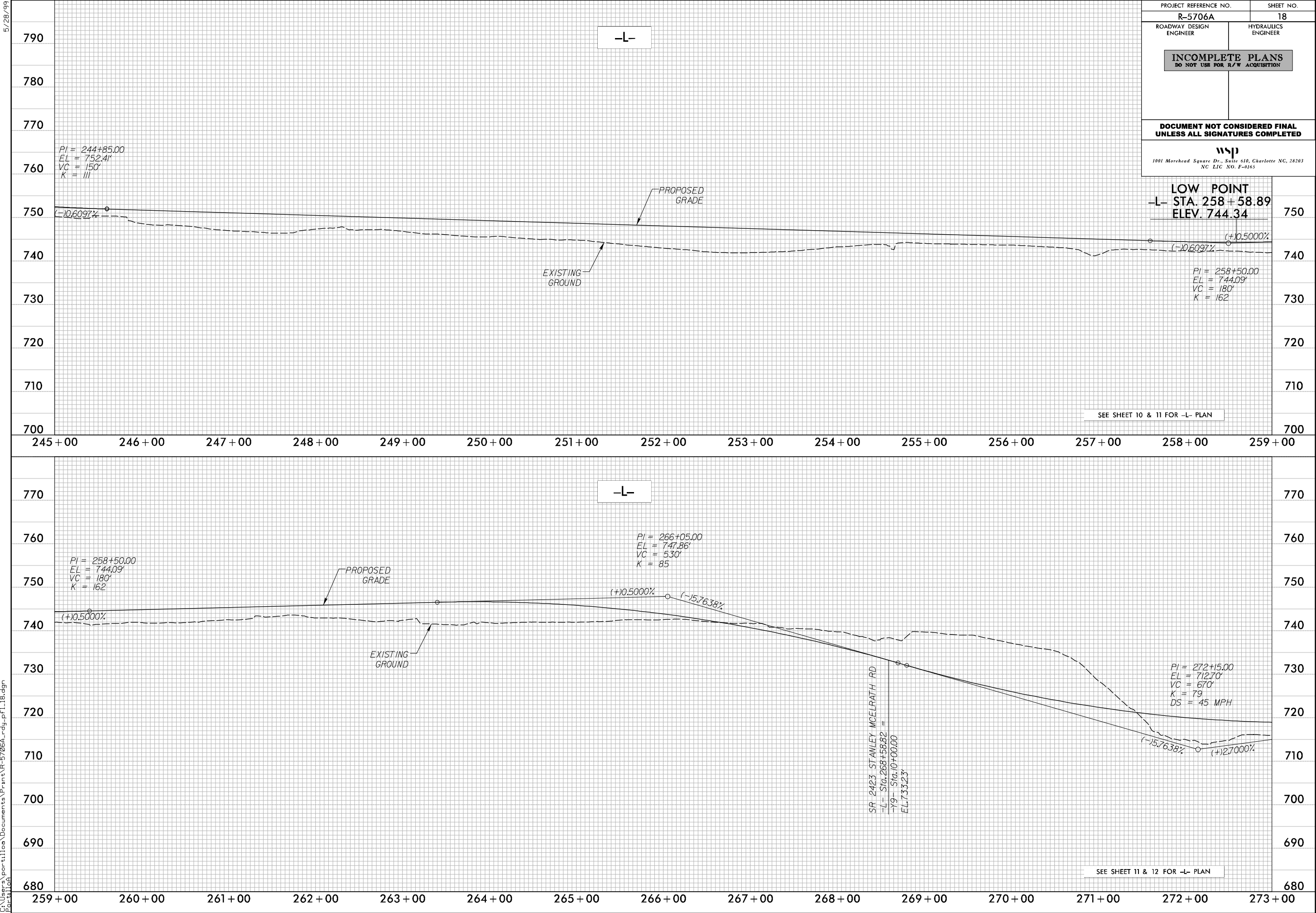
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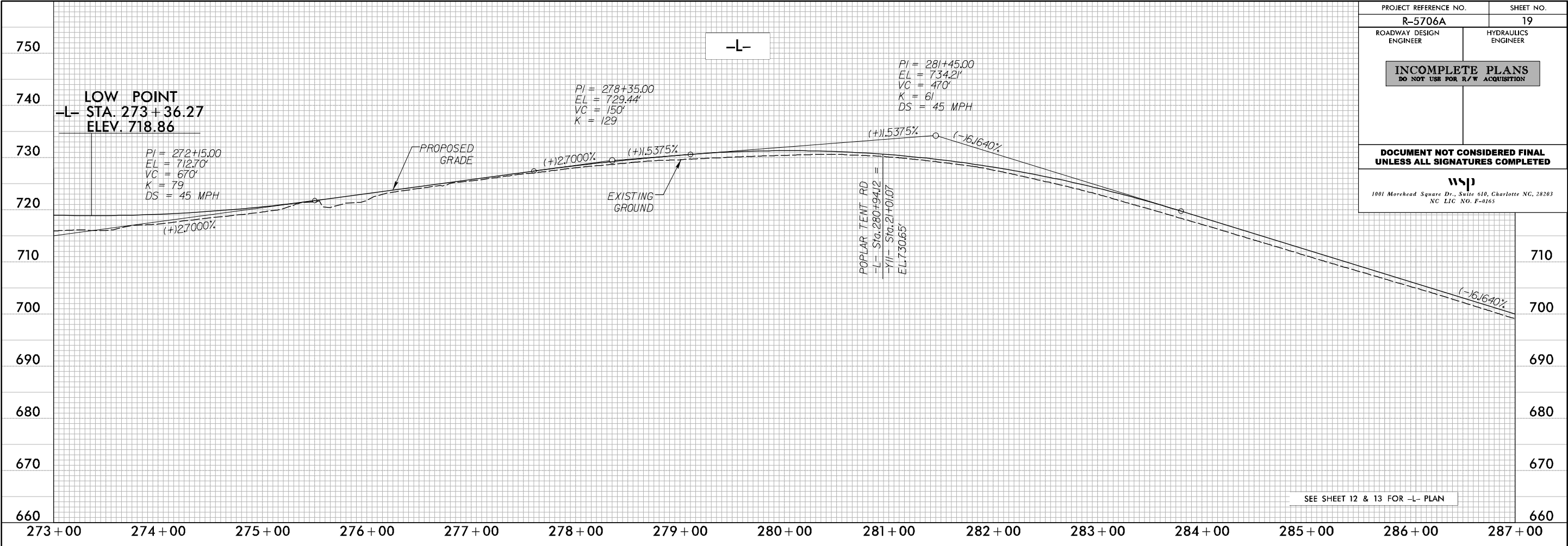
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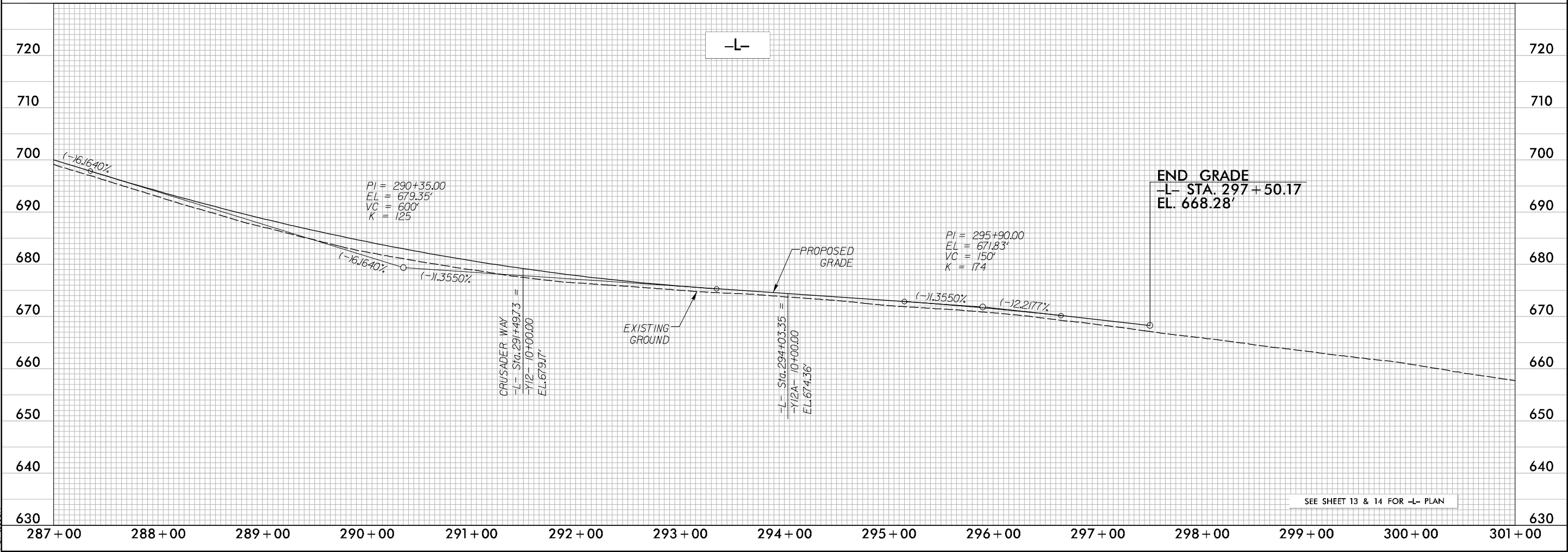
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
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PROJECT REFERENCE NO.		SHEET NO.
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
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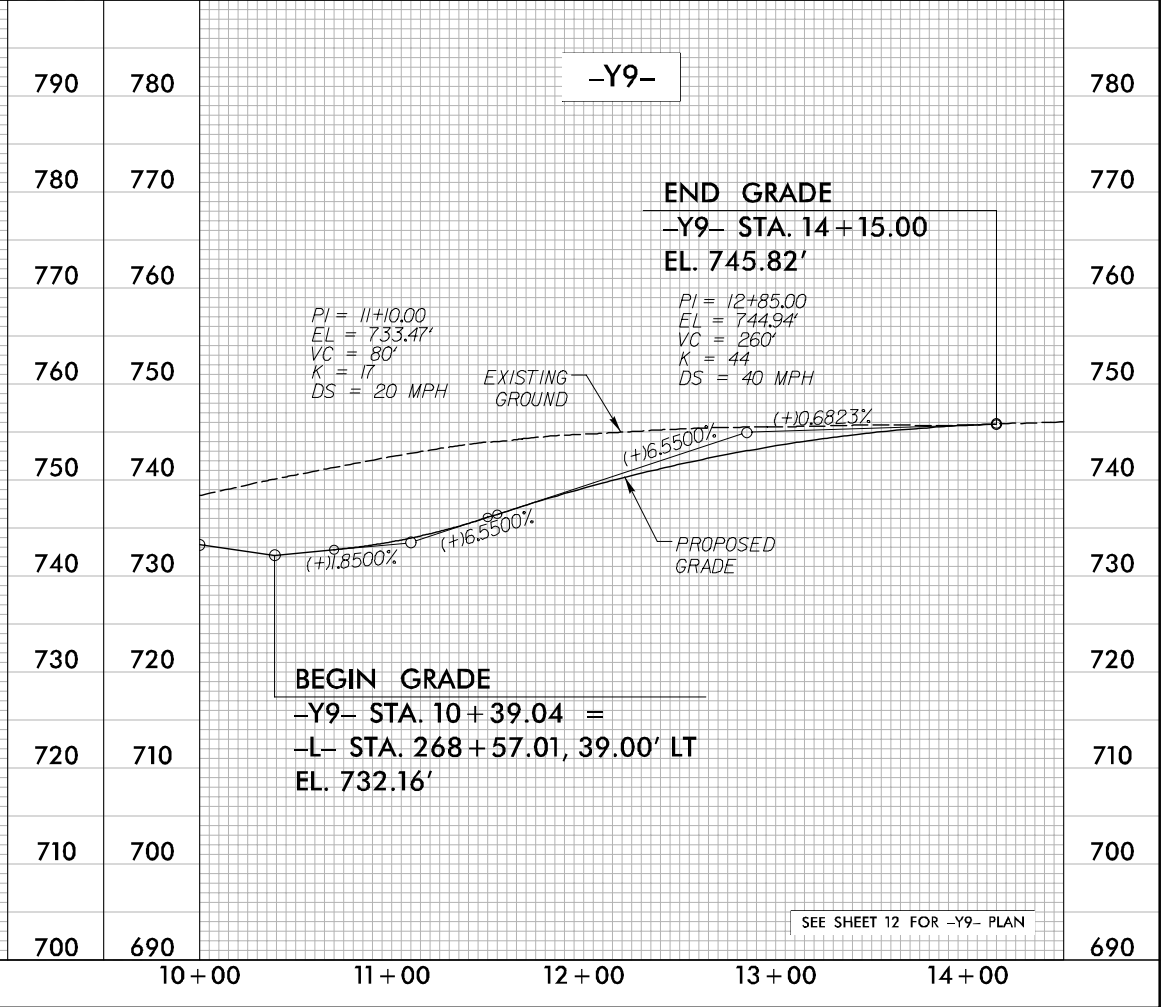
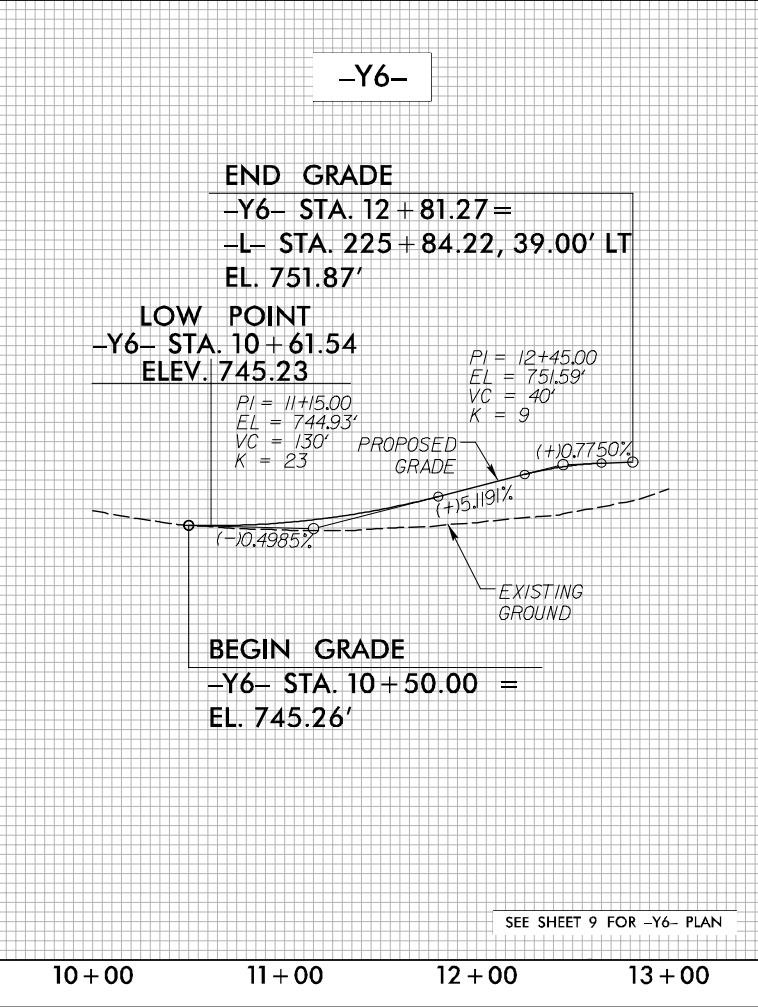
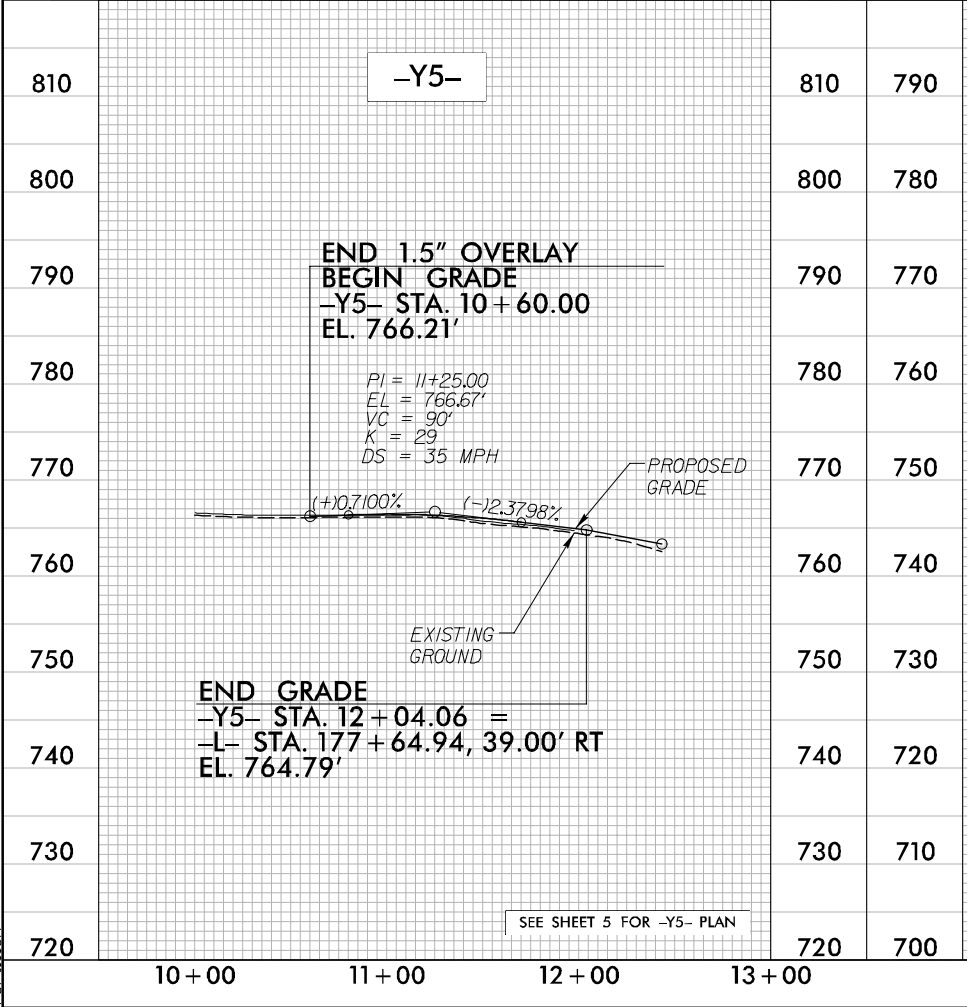
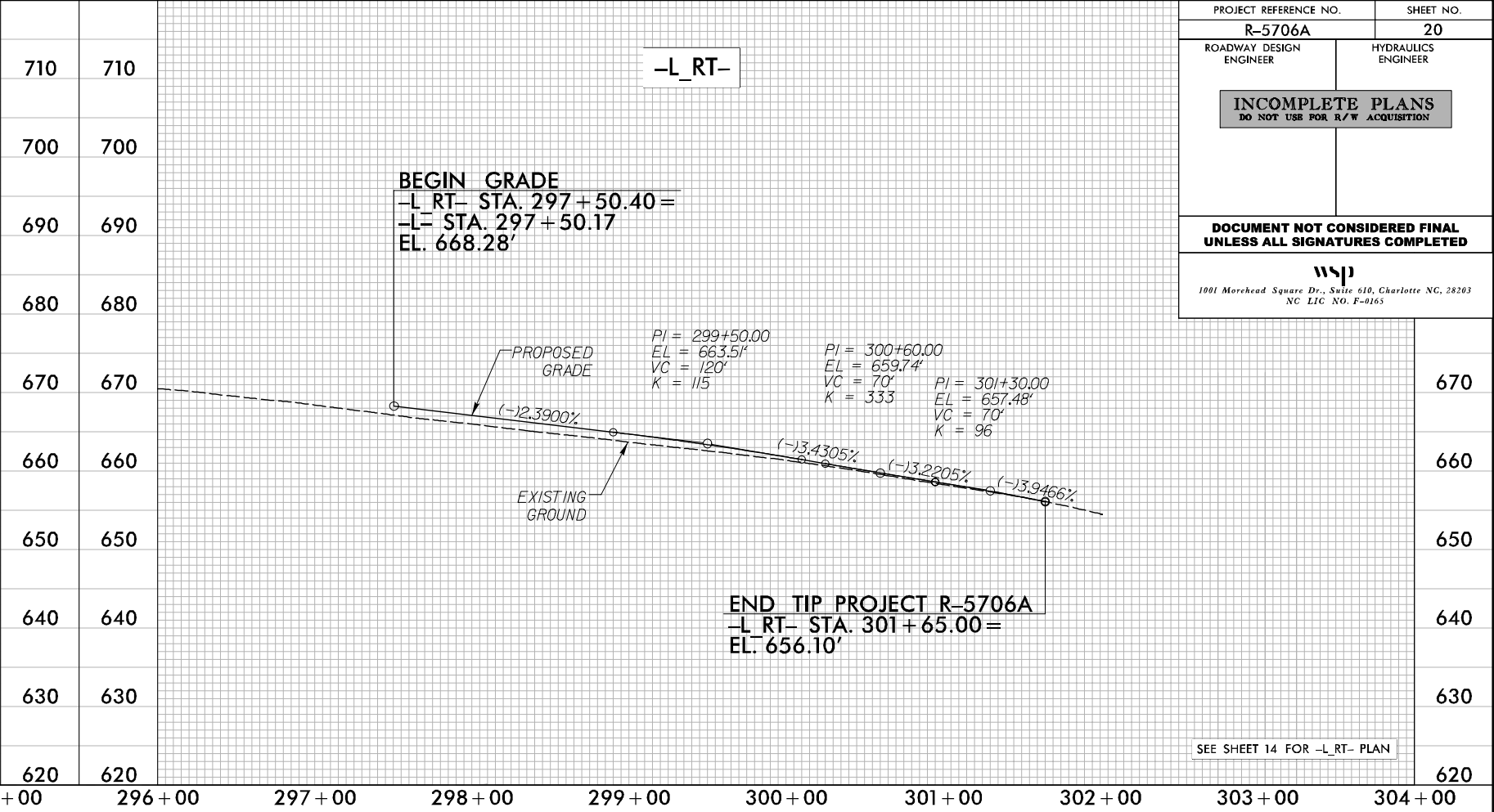
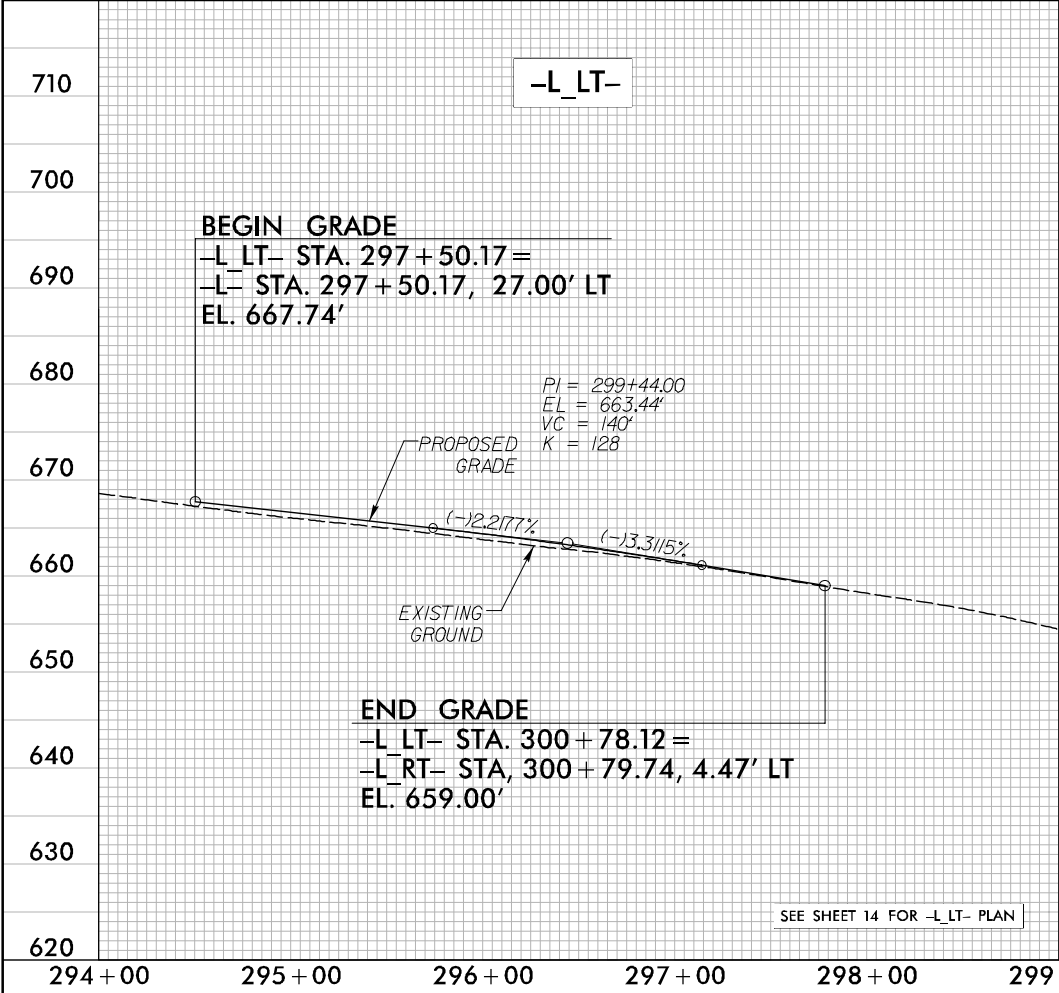
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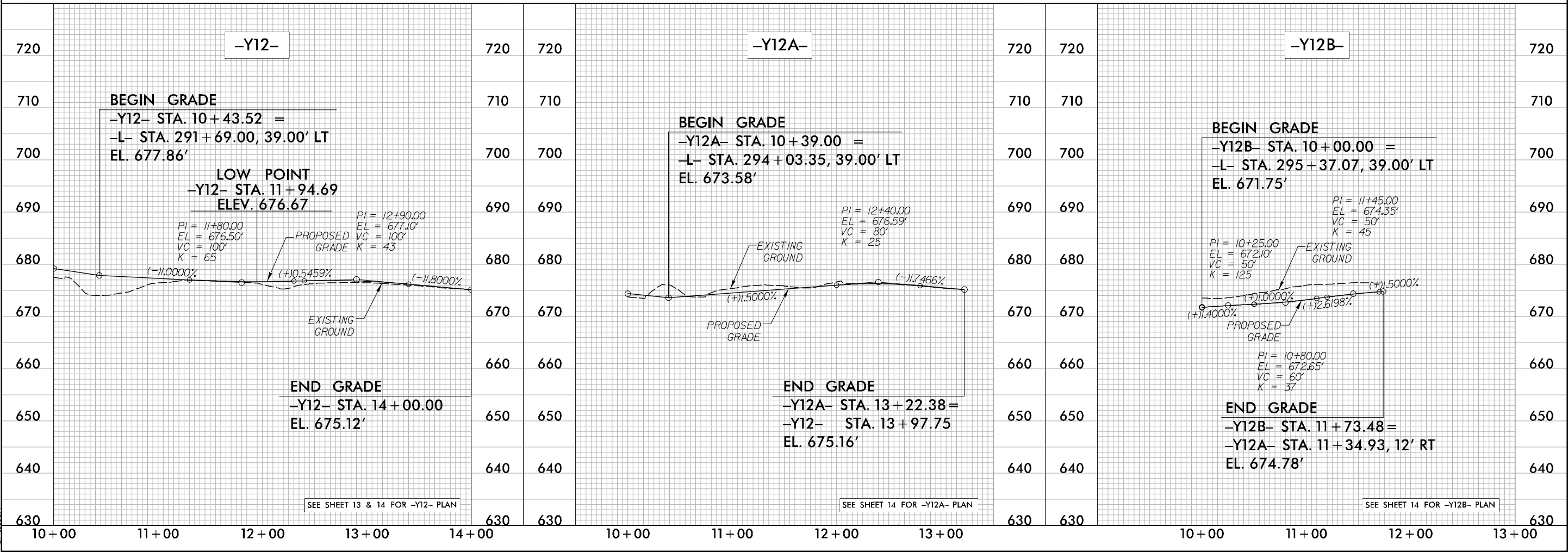
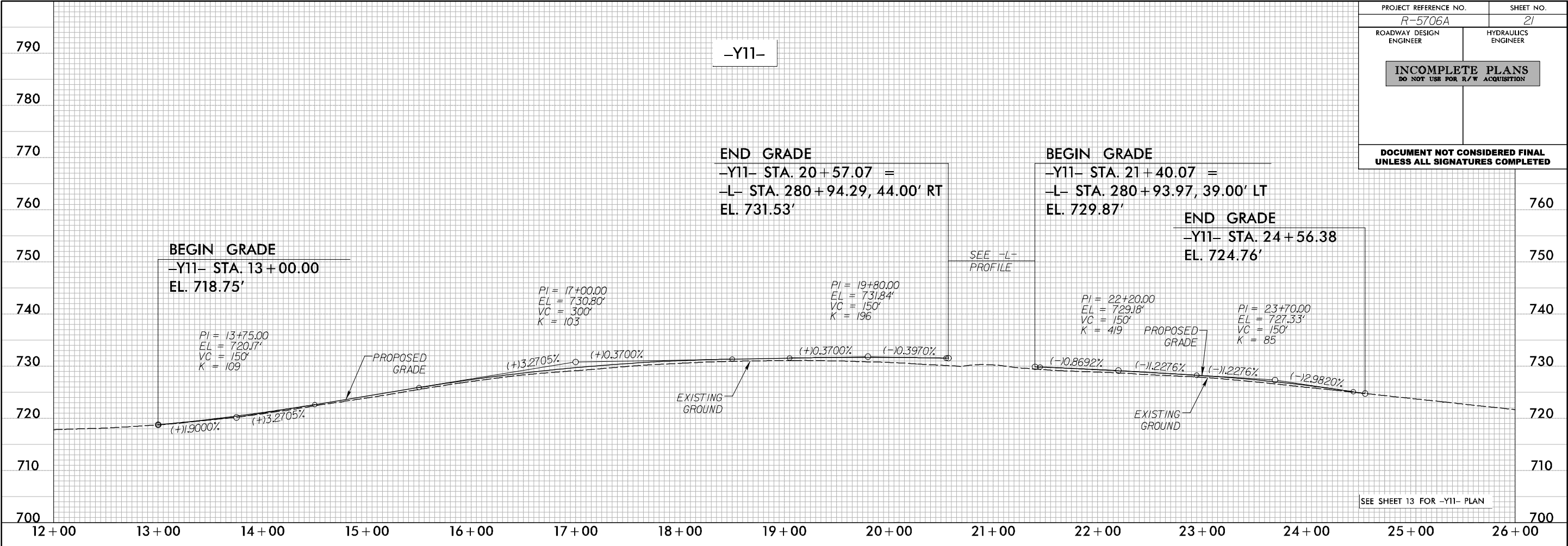
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PROJECT REFERENCE NO.		SHEET NO.
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ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
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PROJECT REFERENCE NO. R-5706A		SHEET NO. 21
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
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