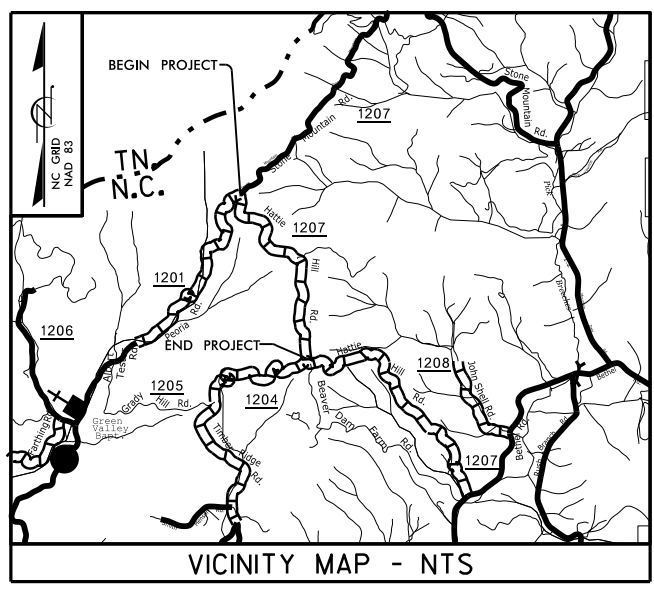


08/22/13
 V&M PROJECT # 31333-01
 TRANSPORTATION\31333-01\RD\PROJECT\BUNC222TISH.DGN
PROJECT: 11C.095112
CONTRACT: DK00324



STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

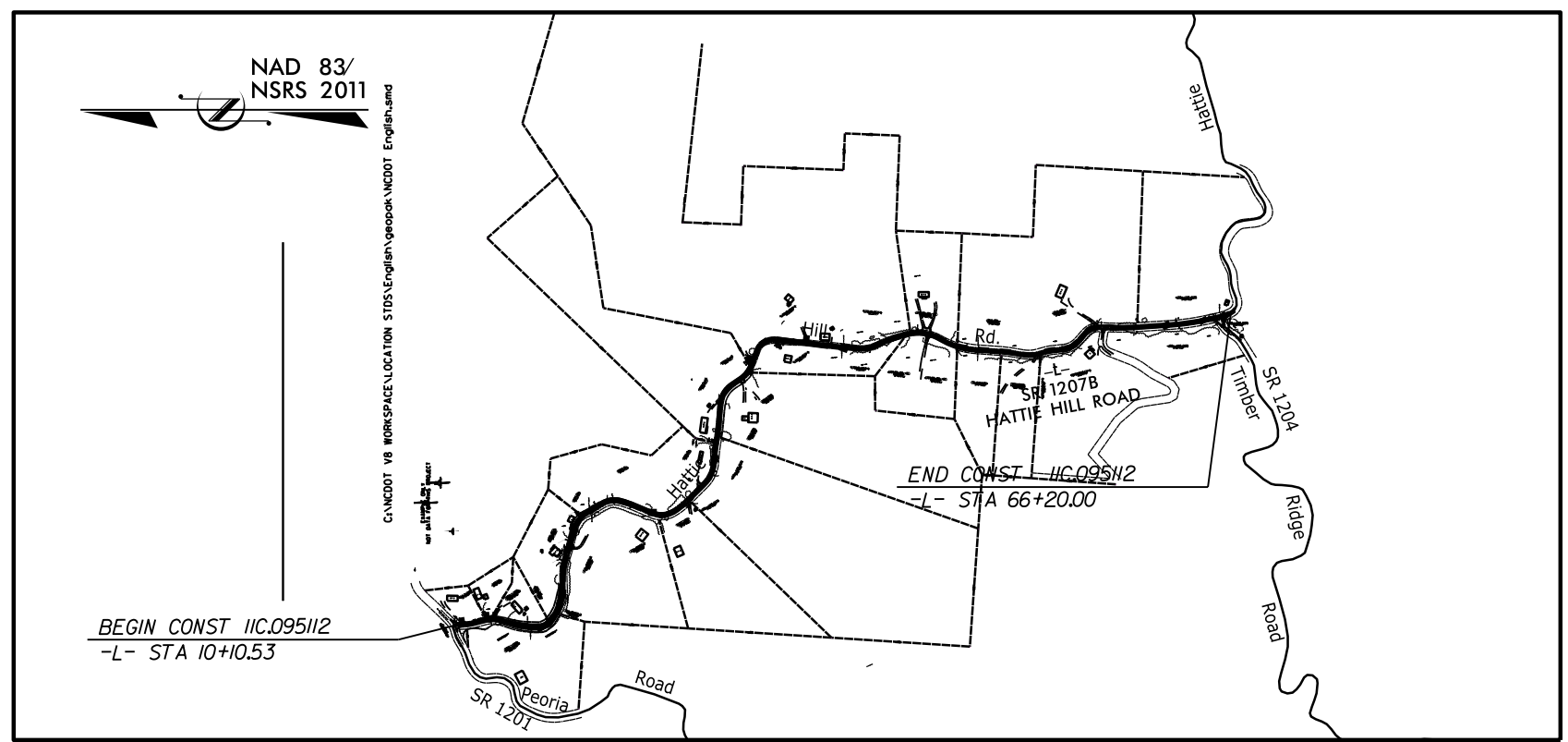
WATAUGA COUNTY

**LOCATION: SR 1207B HATTIE HILL RD FROM
 NC 1201 TO NC 1204**

**TYPE OF WORK: GRADING, DRAINAGE, BASE, AST
 AND GUARDRAIL**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.095112	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
	N/A	PE	
	N/A	RW & UTILITIES	
	N/A	CONST.	

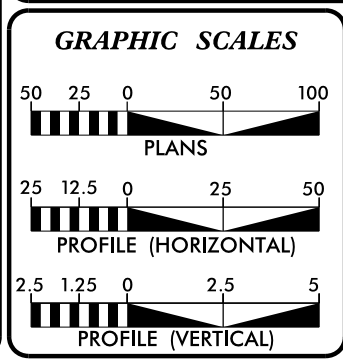
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



V&M
Vaughn & Melton
 Consulting Engineers
 Asheville, North Carolina
 828-253-2796

<input type="checkbox"/> Tri-Cities, TN 423-467-8401	<input type="checkbox"/> Knoxville, TN 865-546-5800
<input type="checkbox"/> Spartanburg, SC 864-574-4775	<input type="checkbox"/> Charleston, SC 843-974-5650
<input type="checkbox"/> Middlesboro, KY 606-248-6600	<input type="checkbox"/> Atlanta, GA 770-627-3509
<input type="checkbox"/> Charlotte, NC 704-357-0488	<input type="checkbox"/> Boone, NC 828-355-9933

Copyright © 2006 Vaughn & Melton, Inc. All Rights Reserved



DESIGN DATA

ADT 20_ =
 ADT 20_ =
 T = _%
 V = _ MPH
 *TTST = _% DUAL = _%
 FUNCT. CLASS =
 RURAL LOCAL
 SUB REGIONAL TIER

PROJECT LENGTH

LENGTH ROADWAY PROJECT 11C.095112 = 1.07MI
 TOTAL LENGTH OF PROJECT 11C.095112 = 1.07MI

NCDOT CONTACT: IVAN DISHMAN, P.E.
 DISTRICT ENGINEER,
 BOONE DISTRICT ENGINEER OFFICE

Prepared in the Office of:
VAUGHN & MELTON
 1318-F PATTON AVE.
 ASHEVILLE NC, 28806
 FOR THE NORTH CAROLINA DIVISION OF HIGHWAYS

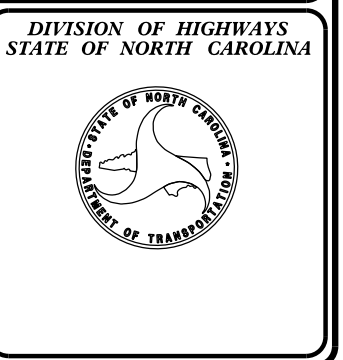
2018 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: 2017	REECE SCHULER, PE PROJECT ENGINEER
LETTING DATE: 2022	REECE SCHULER, PE PROJECT DESIGN ENGINEER


HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



PROJECT REFERENCE NO.	SHEET NO.
IIC.095112	1A
ROADWAY DESIGN ENGINEER	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1B	CONVENTIONAL SYMBOLS
1C	SURVEY CONTROL SHEET
1D	UTILITIES POLE DATA AND CENTERLINE SHIFT SHEET
1E	SLOPE STAKE DATA
2	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
3	EARTHWORK SUMMARY, SUMMARY OF GUARDRAIL, AND ASPHALT PAVEMENT REMOVAL SUMMARY
3B	ROW DATA SHEET
3C	DRAINAGE SUMMARY SHEET (48" AND UNDER)
3P 1	PARCEL INDEX SHEET
4 THRU 12	PLAN SHEETS
13 THRU 21	PROFILE SHEETS
X-1 THRU X-54	CROSS-SECTIONS

05-AUG-2019 09:40
 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hotte Hill Rd\Plansheets\31535-09_psh_1a.dgn
 *****USE ENVELOPE*****

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	○
Computed Property Corner	-----
Property Monument	□
Parcel/Sequence Number	⑫③
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	□
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	-----
Proposed Wetland Boundary	-----
Existing Endangered Animal Boundary	-----
Existing Endangered Plant Boundary	-----
Existing Historic Property Boundary	-----
Known Contamination Area: Soil	☠-s-☠
Potential Contamination Area: Soil	☠-s-☠
Known Contamination Area: Water	☠-w-☠
Potential Contamination Area: Water	☠-w-☠
Contaminated Site: Known or Potential	☠☠

BUILDINGS AND OTHER CULTURE:

Gas Pump Vent or U/G Tank Cap	○
Sign	○
Well	○
Small Mine	✕
Foundation	□
Area Outline	□
Cemetery	⊕
Building	□
School	□
Church	□
Dam	▬

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	□
Jurisdictional Stream	-----
Buffer Zone 1	-----
Buffer Zone 2	-----
Flow Arrow	←
Disappearing Stream	-----
Spring	○
Wetland	-----
Proposed Lateral, Tail, Head Ditch	-----
False Sump	▽

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○
Switch	□
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY & PROJECT CONTROL:

Secondary Horiz and Vert Control Point	◆
Primary Horiz Control Point	○
Primary Horiz and Vert Control Point	●
Exist Permanent Easement Pin and Cap	◇
New Permanent Easement Pin and Cap	◆
Vertical Benchmark	⊕
Existing Right of Way Marker	△
Existing Right of Way Line	-----
New Right of Way Line	-----
New Right of Way Line with Pin and Cap	-----
New Right of Way Line with Concrete or Granite RW Marker	-----
New Control of Access Line with Concrete C/A Marker	-----
Existing Control of Access	-----
New Control of Access	-----
Existing Easement Line	-----
New Temporary Construction Easement	-----
New Temporary Drainage Easement	-----
New Permanent Drainage Easement	-----
New Permanent Drainage / Utility Easement	-----
New Permanent Utility Easement	-----
New Temporary Utility Easement	-----
New Aerial Utility Easement	-----

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----
Proposed Slope Stakes Fill	-----
Proposed Curb Ramp	-----
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

VEGETATION:

Single Tree	○
Single Shrub	○

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

Hedge	-----
Woods Line	-----
Orchard	-----
Vineyard	-----

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	-----
Bridge Wing Wall, Head Wall and End Wall	-----
MINOR:	
Head and End Wall	-----
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	-----
Paved Ditch Gutter	-----
Storm Sewer Manhole	-----
Storm Sewer	-----

UTILITIES:

POWER:	
Existing Power Pole	●
Proposed Power Pole	○
Existing Joint Use Pole	●
Proposed Joint Use Pole	○
Power Manhole	⊕
Power Line Tower	⊕
Power Transformer	⊕
U/G Power Cable Hand Hole	-----
H-Frame Pole	-----
U/G Power Line LOS B (S.U.E.*)	-----
U/G Power Line LOS C (S.U.E.*)	-----
U/G Power Line LOS D (S.U.E.*)	-----

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	-----
U/G Telephone Cable LOS B (S.U.E.*)	-----
U/G Telephone Cable LOS C (S.U.E.*)	-----
U/G Telephone Cable LOS D (S.U.E.*)	-----
U/G Telephone Conduit LOS B (S.U.E.*)	-----
U/G Telephone Conduit LOS C (S.U.E.*)	-----
U/G Telephone Conduit LOS D (S.U.E.*)	-----
U/G Fiber Optics Cable LOS B (S.U.E.*)	-----
U/G Fiber Optics Cable LOS C (S.U.E.*)	-----
U/G Fiber Optics Cable LOS D (S.U.E.*)	-----

WATER:

Water Manhole	⊕
Water Meter	○
Water Valve	⊗
Water Hydrant	⊕
U/G Water Line LOS B (S.U.E.*)	-----
U/G Water Line LOS C (S.U.E.*)	-----
U/G Water Line LOS D (S.U.E.*)	-----
Above Ground Water Line	-----

TV:

TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	-----
U/G TV Cable LOS B (S.U.E.*)	-----
U/G TV Cable LOS C (S.U.E.*)	-----
U/G TV Cable LOS D (S.U.E.*)	-----
U/G Fiber Optic Cable LOS B (S.U.E.*)	-----
U/G Fiber Optic Cable LOS C (S.U.E.*)	-----
U/G Fiber Optic Cable LOS D (S.U.E.*)	-----

GAS:

Gas Valve	◇
Gas Meter	⊕
U/G Gas Line LOS B (S.U.E.*)	-----
U/G Gas Line LOS C (S.U.E.*)	-----
U/G Gas Line LOS D (S.U.E.*)	-----
Above Ground Gas Line	-----

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	-----
Above Ground Sanitary Sewer	-----
SS Forced Main Line LOS B (S.U.E.*)	-----
SS Forced Main Line LOS C (S.U.E.*)	-----
SS Forced Main Line LOS D (S.U.E.*)	-----

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line LOS B (S.U.E.*)	-----
U/G Tank; Water, Gas, Oil	-----
Underground Storage Tank, Approx. Loc.	⊕
A/G Tank; Water, Gas, Oil	-----
Geoenvironmental Boring	⊕
U/G Test Hole LOS A (S.U.E.*)	-----
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

COMPUTED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____

PROJECT REFERENCE NO. IIC.095112 SHEET NO. 1E

DIVISION OF HIGHWAYS
 STATE OF NORTH CAROLINA
SLOPE STAKE DATA SHEET

LEFT	STATION -L-	RIGHT
	10 + 00	
$\frac{F0.7}{15.2'}$	10 + 50	$\frac{C0.7}{19.8'}$
$\frac{F0.1}{12.2'}$	11 + 00	$\frac{C1.5}{23.6'}$
$\frac{F0.7}{15.0'}$	11 + 50	$\frac{C3.3}{21.9'}$
$\frac{F1.1}{16.0'}$	12 + 00	$\frac{C2.9}{21.4'}$
$\frac{C1.1}{18.7'}$	12 + 50	$\frac{C2.6}{20.8'}$
$\frac{C3.6}{22.4'}$	13 + 00	$\frac{F0.0}{15.0'}$
$\frac{C5.5}{22.0'}$	13 + 50	$\frac{F0.0}{15.0'}$
$\frac{C7.0}{24.3'}$	14 + 00	$\frac{F0.0}{15.0'}$
$\frac{C8.8}{27.0'}$	14 + 50	$\frac{F8.1}{30.2'}$
$\frac{C8.1}{25.9'}$	15 + 00	$\frac{F0.0}{15.0'}$
$\frac{C9.0}{27.3'}$	15 + 50	$\frac{F0.0}{15.0'}$
$\frac{C8.6}{26.7'}$	16 + 00	$\frac{F0.0}{14.0'}$
$\frac{C9.0}{27.3'}$	16 + 50	$\frac{F5.5}{25.0'}$
$\frac{C10.3}{29.2'}$	17 + 00	$\frac{F13.5}{41.0'}$
$\frac{C9.7}{27.3'}$	17 + 50	$\frac{F10.7}{35.4'}$
$\frac{C0.0}{12.2'}$	18 + 00	$\frac{F5.2}{22.4'}$
$\frac{C0.0}{12.2'}$	18 + 50	$\frac{F5.7}{24.4'}$
$\frac{C0.0}{12.2'}$	19 + 00	$\frac{F2.9}{18.7'}$
$\frac{C0.0}{12.2'}$	19 + 50	$\frac{F0.2}{13.5'}$
$\frac{F0.0}{12.2'}$	20 + 00	$\frac{F0.3}{13.9'}$
$\frac{F0.8}{12.2'}$	20 + 50	$\frac{C2.4}{20.6'}$
$\frac{C0.0}{12.2'}$	21 + 00	$\frac{C7.1}{27.7'}$
$\frac{F0.0}{12.2'}$	21 + 50	$\frac{C12.7}{36.0'}$
$\frac{C0.0}{12.2'}$	22 + 00	$\frac{C7.8}{28.8'}$
$\frac{F7.0}{27.0'}$	22 + 50	$\frac{C3.1}{21.6'}$
$\frac{F2.0}{17.0'}$	23 + 00	$\frac{C2.1}{20.1'}$
$\frac{C0.9}{18.4'}$	23 + 50	$\frac{C2.6}{20.9'}$

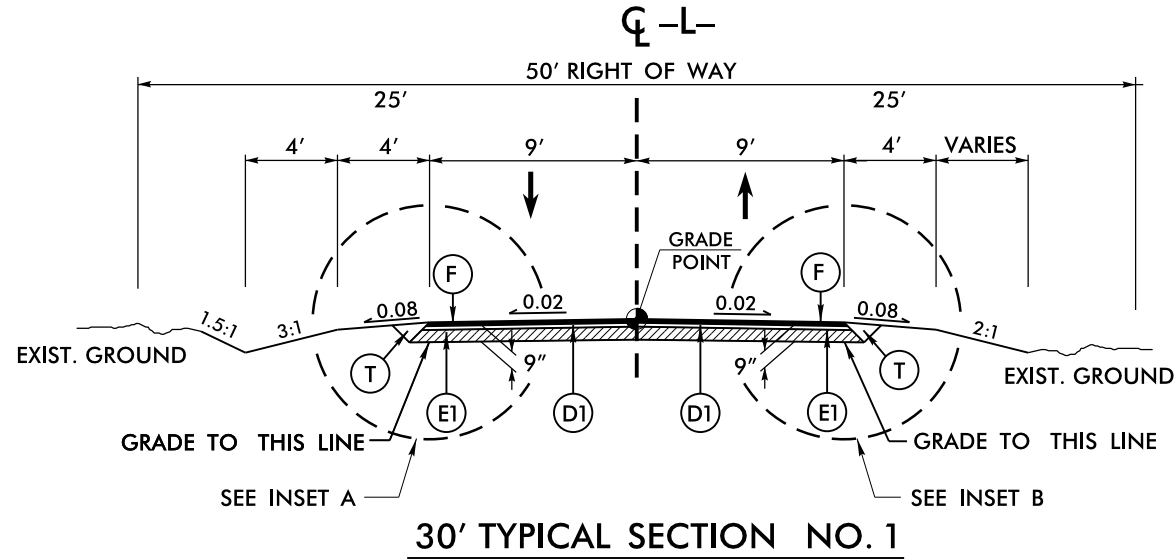
LEFT	STATION -L-	RIGHT
$\frac{F2.0}{16.9'}$	24 + 00	$\frac{C2.9}{21.3'}$
$\frac{F11.8}{37.7'}$	24 + 50	$\frac{C3.8}{22.7'}$
$\frac{F15.7}{45.4'}$	25 + 00	$\frac{C2.2}{20.2'}$
$\frac{F10.6}{35.2'}$	25 + 50	$\frac{C5.9}{25.8'}$
$\frac{F5.9}{25.8'}$	26 + 00	$\frac{C5.2}{28.9'}$
$\frac{F2.1}{17.2'}$	26 + 50	$\frac{C4.6}{23.9'}$
$\frac{F1.2}{15.3'}$	27 + 00	$\frac{C3.5}{22.3'}$
$\frac{F0.1}{13.2'}$	27 + 50	$\frac{C5.2}{24.9'}$
$\frac{C0.3}{17.5'}$	28 + 00	$\frac{C2.0}{20.0'}$
$\frac{F0.1}{12.2'}$	28 + 50	$\frac{C1.2}{18.9'}$
$\frac{F0.3}{14.5'}$	29 + 00	$\frac{F0.2}{13.6'}$
$\frac{C2.3}{20.4'}$	29 + 50	$\frac{F1.2}{16.2'}$
$\frac{C4.0}{23.0'}$	30 + 00	$\frac{F0.7}{15.0'}$
$\frac{C5.2}{24.8'}$	30 + 50	$\frac{F0.4}{14.3'}$
$\frac{C2.9}{21.3'}$	31 + 00	$\frac{F2.2}{17.4'}$
$\frac{C4.4}{23.6'}$	31 + 50	$\frac{F2.0}{16.9'}$
$\frac{C4.5}{23.7'}$	32 + 00	$\frac{F2.7}{18.5'}$
$\frac{C3.5}{22.3'}$	32 + 50	$\frac{F2.9}{18.9'}$
$\frac{C3.9}{22.8'}$	33 + 00	$\frac{F2.1}{17.3'}$
$\frac{C3.8}{22.8'}$	33 + 50	$\frac{F2.3}{17.6'}$
$\frac{C4.3}{23.5'}$	34 + 00	$\frac{F1.3}{15.5'}$
$\frac{C2.6}{20.9'}$	34 + 50	$\frac{C0.5}{17.8'}$
$\frac{C1.4}{19.1'}$	35 + 00	$\frac{F0.3}{13.8'}$
$\frac{C2.8}{21.2'}$	35 + 50	$\frac{C0.3}{17.5'}$
$\frac{C3.8}{22.7'}$	36 + 00	$\frac{F0.1}{13.4'}$
$\frac{C5.1}{24.6'}$	36 + 50	$\frac{C0.2}{14.8'}$
$\frac{C4.6}{23.9'}$	37 + 00	$\frac{F0.5}{16.6'}$
$\frac{C3.0}{21.4'}$	37 + 50	$\frac{F4.9}{22.8'}$

LEFT	STATION -L-	RIGHT
$\frac{C5.4}{25.1'}$	38 + 00	$\frac{F9.9}{35.9'}$
$\frac{C7.2}{27.9'}$	38 + 50	$\frac{F1.5}{16.0'}$
$\frac{C5.5}{25.2'}$	39 + 00	$\frac{F0.5}{14.5'}$
$\frac{C9.2}{30.8'}$	39 + 50	$\frac{C2.0}{35.7'}$
$\frac{C6.0}{26.0'}$	40 + 00	$\frac{F0.1}{10.4'}$
$\frac{C3.4}{22.1'}$	40 + 50	$\frac{F0.3}{12.2'}$
$\frac{C1.8}{19.6'}$	41 + 00	$\frac{F0.9}{15.8'}$
$\frac{F0.3}{13.9'}$	41 + 50	$\frac{F2.5}{18.1'}$
$\frac{C2.1}{20.2'}$	42 + 00	$\frac{F2.1}{17.1'}$
$\frac{C3.0}{21.5'}$	42 + 50	$\frac{F1.6}{16.3'}$
$\frac{C2.2}{20.4'}$	43 + 00	$\frac{F4.5}{22.9'}$
$\frac{C2.8}{21.2'}$	43 + 50	$\frac{F5.0}{24.1'}$
$\frac{C4.2}{23.2'}$	44 + 00	$\frac{F4.6}{22.9'}$
$\frac{C10.9}{33.3'}$	44 + 50	$\frac{F2.1}{18.2'}$
$\frac{C11.2}{33.7'}$	45 + 00	$\frac{F4.2}{22.4'}$
$\frac{C10.7}{33.1'}$	45 + 50	$\frac{F7.1}{28.1'}$
$\frac{C10.6}{32.9'}$	46 + 00	$\frac{F6.9}{27.8'}$
$\frac{C12.8}{36.2'}$	46 + 50	$\frac{F5.6}{25.1'}$
$\frac{C10.8}{35.2'}$	47 + 00	$\frac{F4.0}{22.2'}$
$\frac{C10.1}{32.1'}$	47 + 50	$\frac{C0.3}{17.5'}$
$\frac{C6.1}{26.2'}$	48 + 00	$\frac{C1.5}{19.2'}$
$\frac{C2.2}{20.3'}$	48 + 50	$\frac{C4.3}{23.5'}$
$\frac{C0.3}{14.3'}$	49 + 00	$\frac{C12.0}{34.9'}$
$\frac{C1.2}{15.4'}$	49 + 50	$\frac{C20.7}{48.1'}$
$\frac{C0.3}{14.7'}$	50 + 00	$\frac{C24.6}{50.2'}$
$\frac{C0.6}{16.6'}$	50 + 50	$\frac{C22.5}{47.2'}$
$\frac{F0.1}{13.8'}$	51 + 00	$\frac{C17.4}{38.3'}$
$\frac{F0.4}{14.1'}$	51 + 50	$\frac{C18.2}{41.9'}$

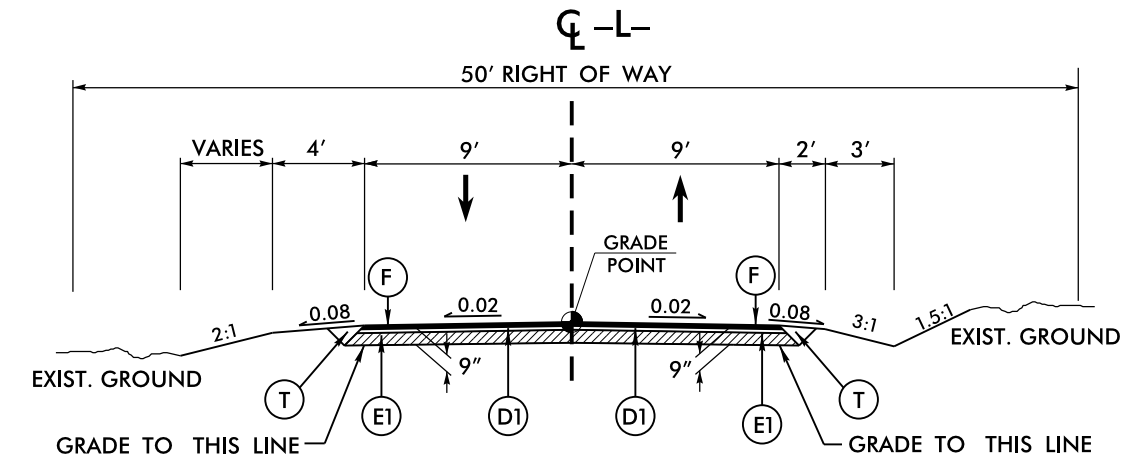
LEFT	STATION -L-	RIGHT
$\frac{C0.2}{14.5'}$	52 + 00	$\frac{C17.8}{39.5'}$
$\frac{C0.4}{15.0'}$	52 + 50	$\frac{C20.5}{46.3'}$
$\frac{C0.3}{14.0'}$	53 + 00	$\frac{C22.0}{46.9'}$
$\frac{F0.2}{13.4'}$	53 + 50	$\frac{C22.6}{47.8'}$
$\frac{F0.1}{10.5'}$	54 + 00	$\frac{C23.9}{49.8'}$
$\frac{F0.1}{12.5'}$	54 + 50	$\frac{C24.0}{50.1'}$
$\frac{F0.2}{13.0'}$	55 + 00	$\frac{C27.7}{55.5'}$
$\frac{C0.4}{15.0'}$	55 + 50	$\frac{C28.4}{56.5'}$
$\frac{C0.3}{14.6'}$	56 + 00	$\frac{C23.9}{49.7'}$
$\frac{F0.1}{12.3'}$	56 + 50	$\frac{C19.7}{43.4'}$
$\frac{F0.3}{13.7'}$	57 + 00	$\frac{C14.6}{35.8'}$
$\frac{F0.1}{10.4'}$	57 + 50	$\frac{C10.9}{30.3'}$
$\frac{F0.1}{9.8'}$	58 + 00	$\frac{C11.2}{30.8'}$
$\frac{F0.1}{16.5'}$	58 + 50	$\frac{C5.0}{14.9'}$
$\frac{C1.1}{15.6'}$	59 + 00	$\frac{C3.1}{18.8'}$
$\frac{C2.6}{20.9'}$	59 + 50	$\frac{C5.6}{25.4'}$
$\frac{C2.8}{21.2'}$	60 + 00	$\frac{C5.7}{25.6'}$
$\frac{C1.9}{19.8'}$	60 + 50	$\frac{C6.0}{25.9'}$
$\frac{C1.4}{19.1'}$	61 + 00	$\frac{C4.8}{24.2'}$
$\frac{C2.3}{20.5'}$	61 + 50	$\frac{C4.5}{23.8'}$
$\frac{C3.8}{22.7'}$	62 + 00	$\frac{C3.7}{22.5'}$
$\frac{C6.6}{26.9'}$	62 + 50	$\frac{C3.2}{21.8'}$
$\frac{C6.0}{26.0'}$	63 + 00	$\frac{F0.1}{19.0'}$
$\frac{C5.3}{24.9'}$	63 + 50	$\frac{F0.5}{19.0'}$
$\frac{C3.5}{22.2'}$	64 + 00	$\frac{F0.1}{18.4'}$
$\frac{C3.5}{22.3'}$	64 + 50	$\frac{F0.1}{18.5'}$
$\frac{C5.7}{25.6'}$	65 + 00	$\frac{F0.1}{19.1'}$
$\frac{C6.1}{26.1'}$	65 + 50	$\frac{F0.1}{19.1'}$
$\frac{C7.6}{27.7'}$	66 + 00	$\frac{C0.2}{18.0'}$

05-AUG-2009 09:40
 R:\Road\Projects\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_Rdy_typ.dgn
 6/2/99

PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>2</i>
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



30' TYPICAL SECTION NO. 1

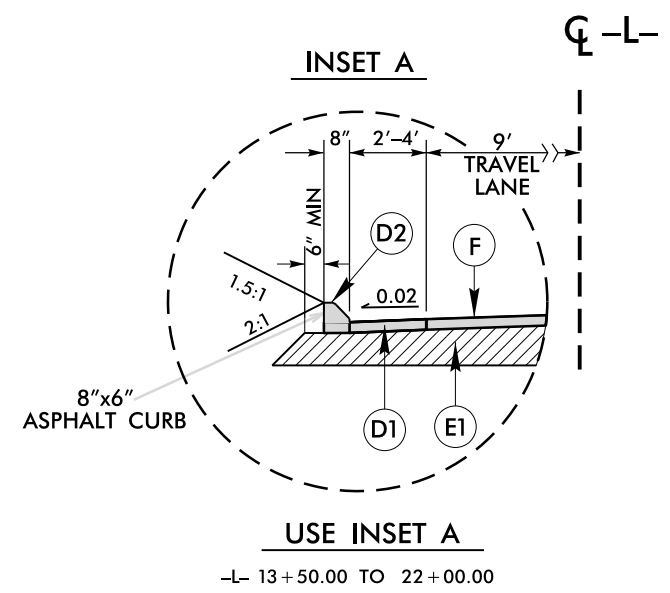


27' TYPICAL SECTION NO. 2

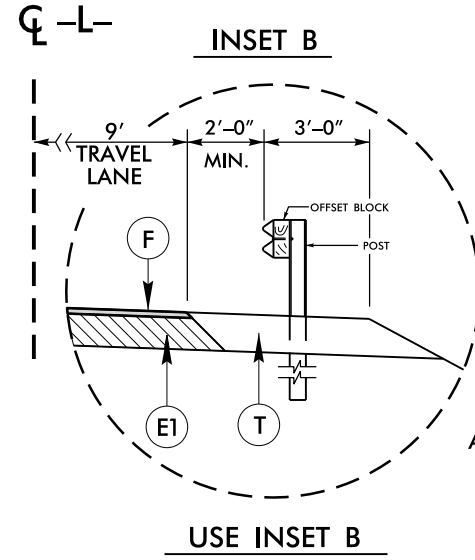
NOTE: CONSTRUCT EXTRA WIDENEING IN CURVES AS DIRECTED BY ENGINEER
 ALL CUT SLOPES ARE TO 1.5:1 AND ALL FILL SLOPES VARY 2:1 TO 3:1

USE TYPICAL SECTION NO. 1
 -L- STA. 10+10.53 (BEGIN PROJECT) TO -L- STA. 57+00
 -L- STA. 58+00.00 TO -L- STA. 66+33.09 (END PROJECT)

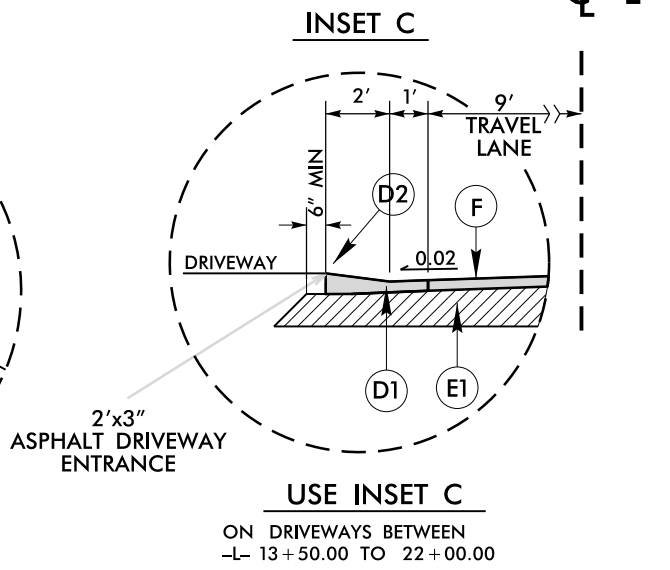
USE TYPICAL SECTION NO. 2
 -L- STA. 57+00.00 TO -L- STA. 58+00.00



USE INSET A
 -L- 13+50.00 TO 22+00.00



USE INSET B



USE INSET C
 ON DRIVEWAYS BETWEEN
 -L- 13+50.00 TO 22+00.00

PAVEMENT SCHEDULE	
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
D2	VARIABLE DEPTH I19.0C
E1	PROP. APPROX. 6" ABC
F	ASPHALT SURFACE TREATMENT, (AST) TRIPLE SEAL
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.

NOTE: ALL PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

6/21/00

COMPUTED BY: J COMBS DATE: _____
 CHECKED BY: _____ DATE: _____

PROJECT REFERENCE NO. IIC.095112 SHEET NO. 3C

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

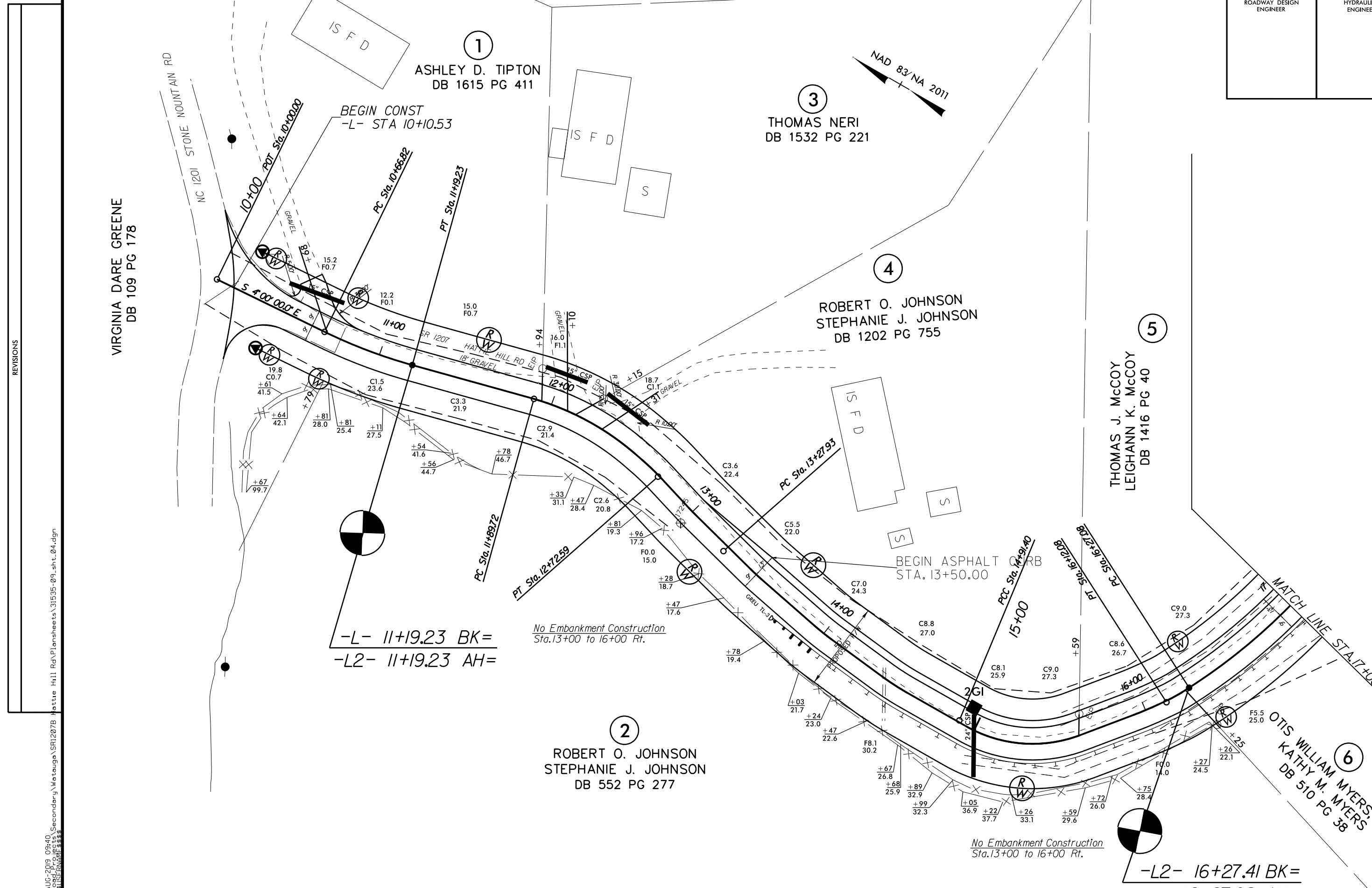
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION	LOCATION (LT, RT, OR CL)	NEW PIPES								EXISTING PIPES								PIPE REMOVAL LIN. FT.	D.I. STD. 840.35 or 840.36	F & G STD. 840.37	REMARKS											
		12"	15"	18"	24"	30"	36"	42"	48"	12"	15"	18"	24"	30"	36"	42"	48"															
-L- 10 + 53.55	LT		33																													ADD DRIVE PIPE
-L2- 12 + 02.03	LT		25																													ADD DRIVE PIPE
-L2- 12 + 37.25	LT		29																													ADD DRIVE PIPE
-L2- 14 + 41.93	CL										30										30											REMOVE PIPE
-L2- 14 + 99.9	CL				35																	1	1									ADD PIPE AND D.I.
-L- 17 + 37.81	CL			30							25										25	1	1									REPLACE PIPE ADD D.I.
-L- 20 + 07.97	CL			34																		1	1									ADD PIPE AND D.I.
-L- 22 + 61.71	CL				39						30										30											REPLACE PIPE
-L- 26 + 30.06	CL			42																												ADD PIPE
-L- 26 + 92.15	CL			34																												ADD PIPE
-L- 31 + 45.50	CL				36						25										25											REPLACE PIPE
-L- 37 + 71.20	LT		53																													ADD DRIVE PIPE
-L- 38 + 96.56	CL				35																											ADD PIPE
-L- 41 + 38.12	LT		36																													ADD DRIVE PIPE
-L- 43 + 55.63	CL				42						30										30											REPLACE PIPE
-L- 48 + 47.12	RT		24																													ADD DRIVE PIPE
-L- 51 + 50.48	CL				31						25										25											REPLACE PIPE
-L- 56 + 45.58	CL				34																											ADD PIPE
-L- 62 + 53.48	CL				40																											ADD PIPE
-L- 64 + 64.97	CL				35																											ADD PIPE
-L- 65 + 78.20	CL				44						41										41											REPLACE PIPE
SHEET TOTALS			200	209	302						25	181									206	3	3									

05-AUG-2019 09:40
 C:\FRODO\Projects\Secondary\Watauga\SR1207B Hattue Hill Rd\Plansheets\31535-09_Rdy_Pipe Data Sheet_3C.dgn

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99
 05-AUG-2019 09:40
 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hatter Hill Rd\Plansheets\31535-09_sht_04.dgn
 \$\$\$\$USE PENS FOR ALL CHANGES\$\$\$\$

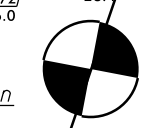
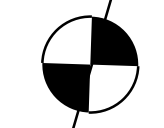
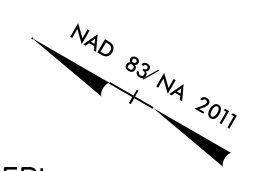


REVISIONS

-L- 11+19.23 BK=
-L2- 11+19.23 AH=

-L2- 16+27.41 BK=
-L- 16+27.08 AH=

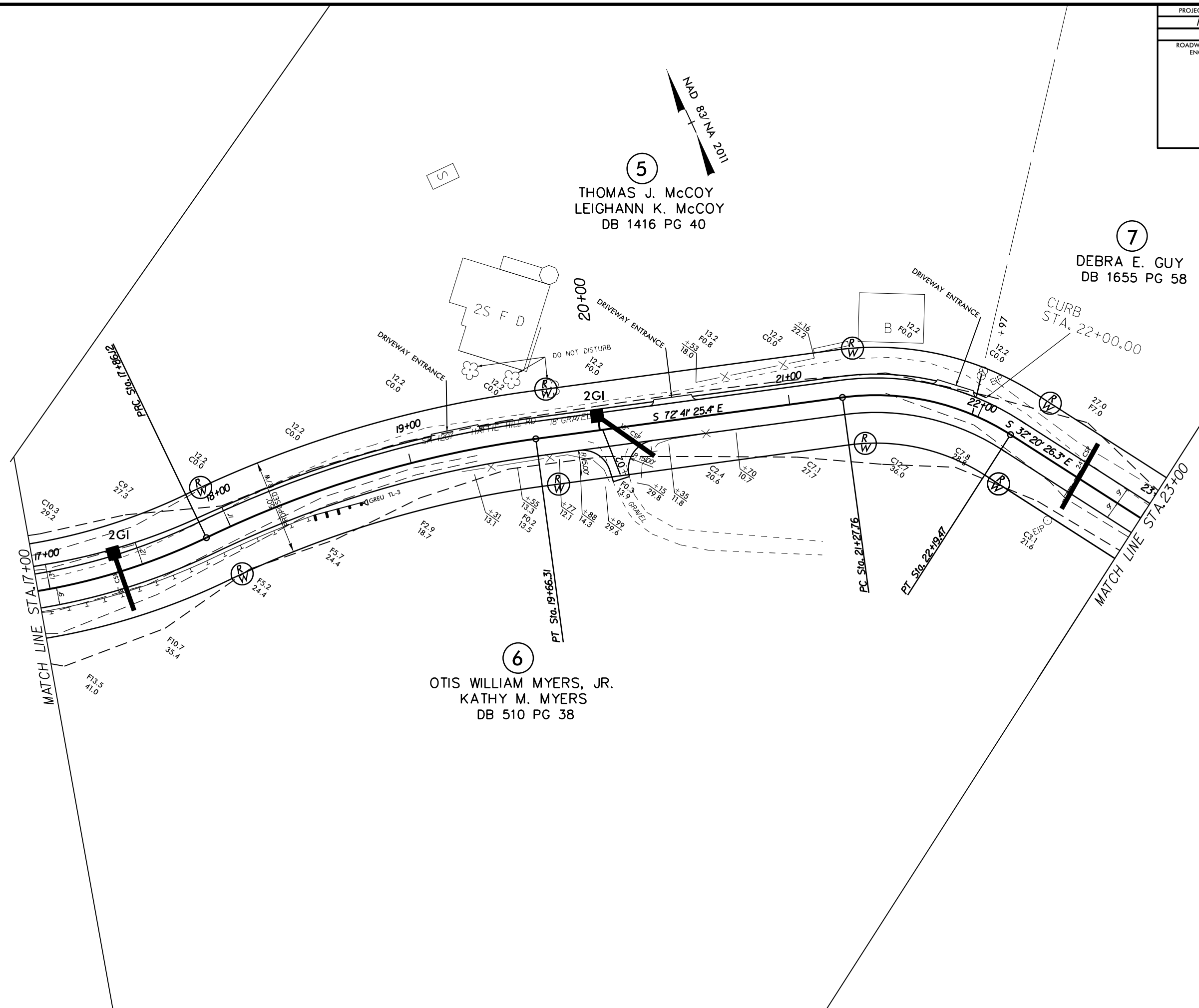
MATCH LINE STA. 17+00



PROJECT REFERENCE NO.	SHEET NO.
11C.095112	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

05-AUG-2019 09:40 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hottie Hill Rd\Plansheets\31535-09_sht.05.dgn 8/17/99



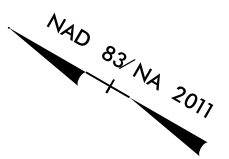
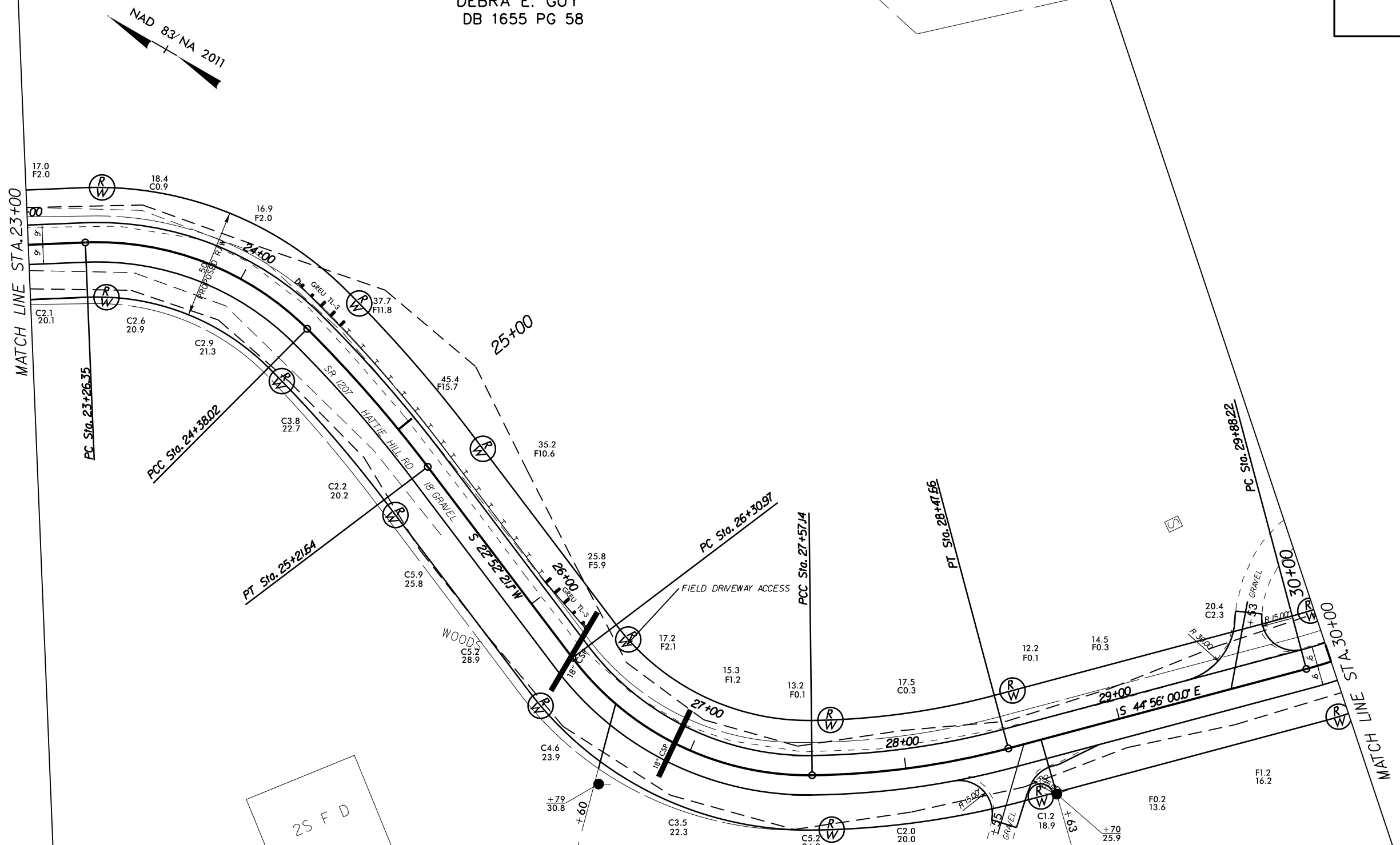
PROJECT REFERENCE NO.	SHEET NO.
11C.095112	6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

7
DEBRA E. GUY
DB 1655 PG 58

6
OTIS WILLIAM MYERS, JR.
KATHY M. MYERS
DB 510 PG 38

8
DOUGLAS S. ASANO
ALEXI ASANO
DB 1787 PG 368

9
HUSTON H. YOUNCE, TRUSTEE
DB 1836 PG 534

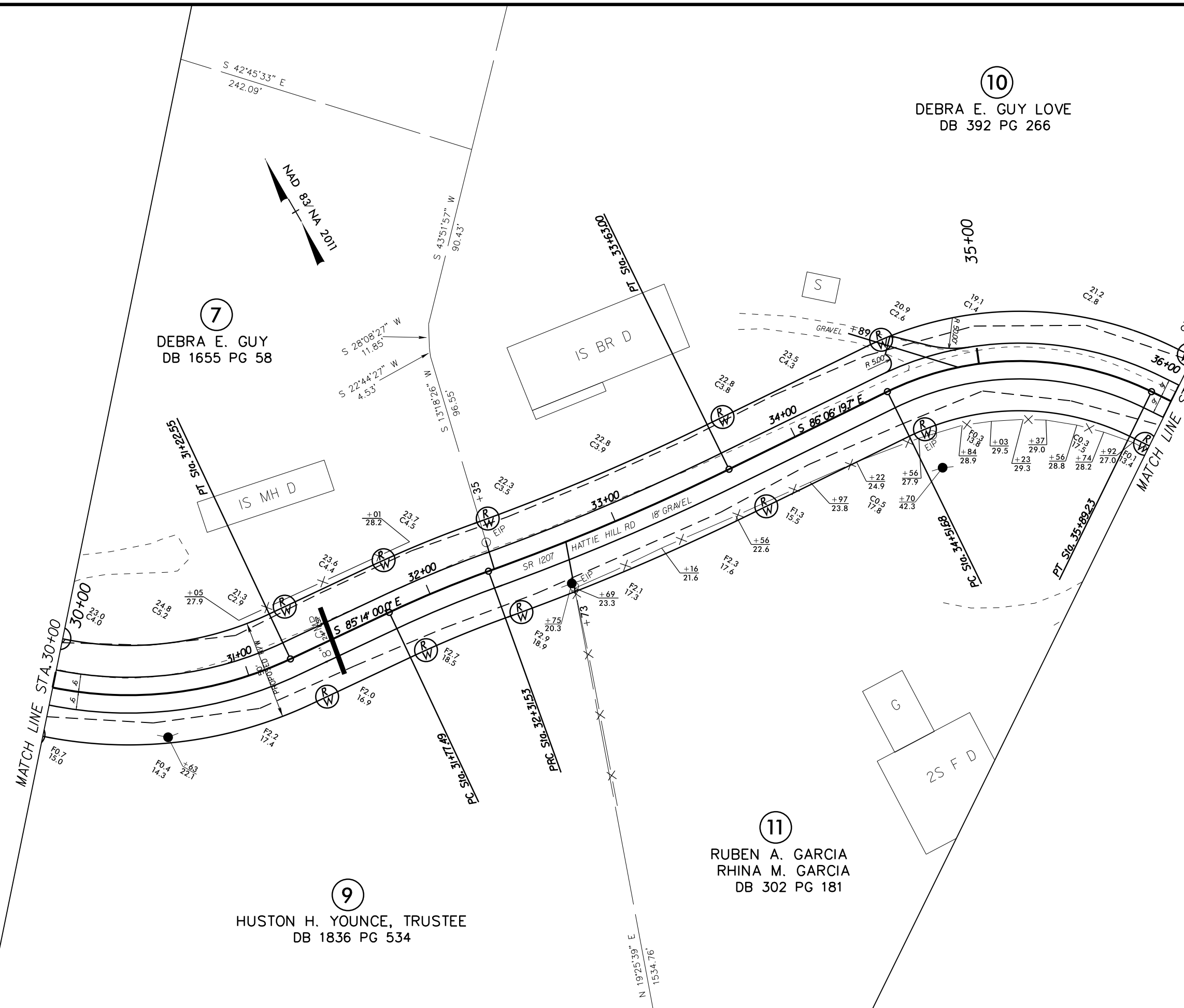


REVISIONS

05-AUG-2019 09:40 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_sht_06.dgn
 8/17/99

05-AUG-2019 09:40 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_sht_07.dgn
 8/17/99
 REVISIONS

PROJECT REFERENCE NO. 11C.095112	SHEET NO. 7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



7
 DEBRA E. GUY
 DB 1655 PG 58

9
 HUSTON H. YOUNCE, TRUSTEE
 DB 1836 PG 534

10
 DEBRA E. GUY LOVE
 DB 392 PG 266

11
 RUBEN A. GARCIA
 RHINA M. GARCIA
 DB 302 PG 181

MATCH LINE STA. 30+00

MATCH LINE STA. 36+00

PT. STA. 31+22.52

PT. STA. 33+35.30

PT. STA. 34+51.68

PT. STA. 35+89.23

S 85°14'00" E

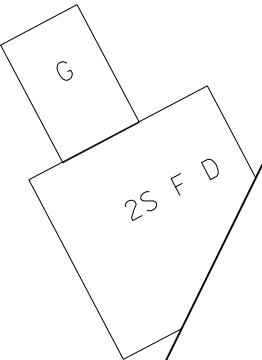
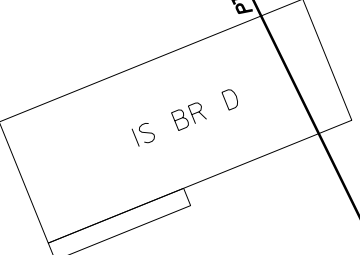
S 86°06'19" E

S 42°45'33" E
242.09'

NAD 83/NA 2011

S 28°08'27" W 11.85'
 S 22°44'27" W 4.53'
 S 13°18'26" W 96.55'
 S 43°51'57" W 90.43'

N 19°25'39" E
1534.76'



20.9 C2.6
19.1 C1.4
21.2 C2.8

+01 28.2
23.7 C4.5
23.6 C4.4

+05 27.9
21.3 C2.9
24.8 C5.2

F2.0 16.9
F2.2 17.4

+75 20.3
F2.1 17.3
F2.3 17.6

+16 21.6
F2.3 17.6

+56 22.6
F1.5 15.3

+97 23.8
CO.5 17.8

+56 27.9
F0.3 13.8

+84 28.9
+03 29.5
+37 29.0
+23 29.3
+56 28.8
+74 28.2
+92 27.0
+70 23.4

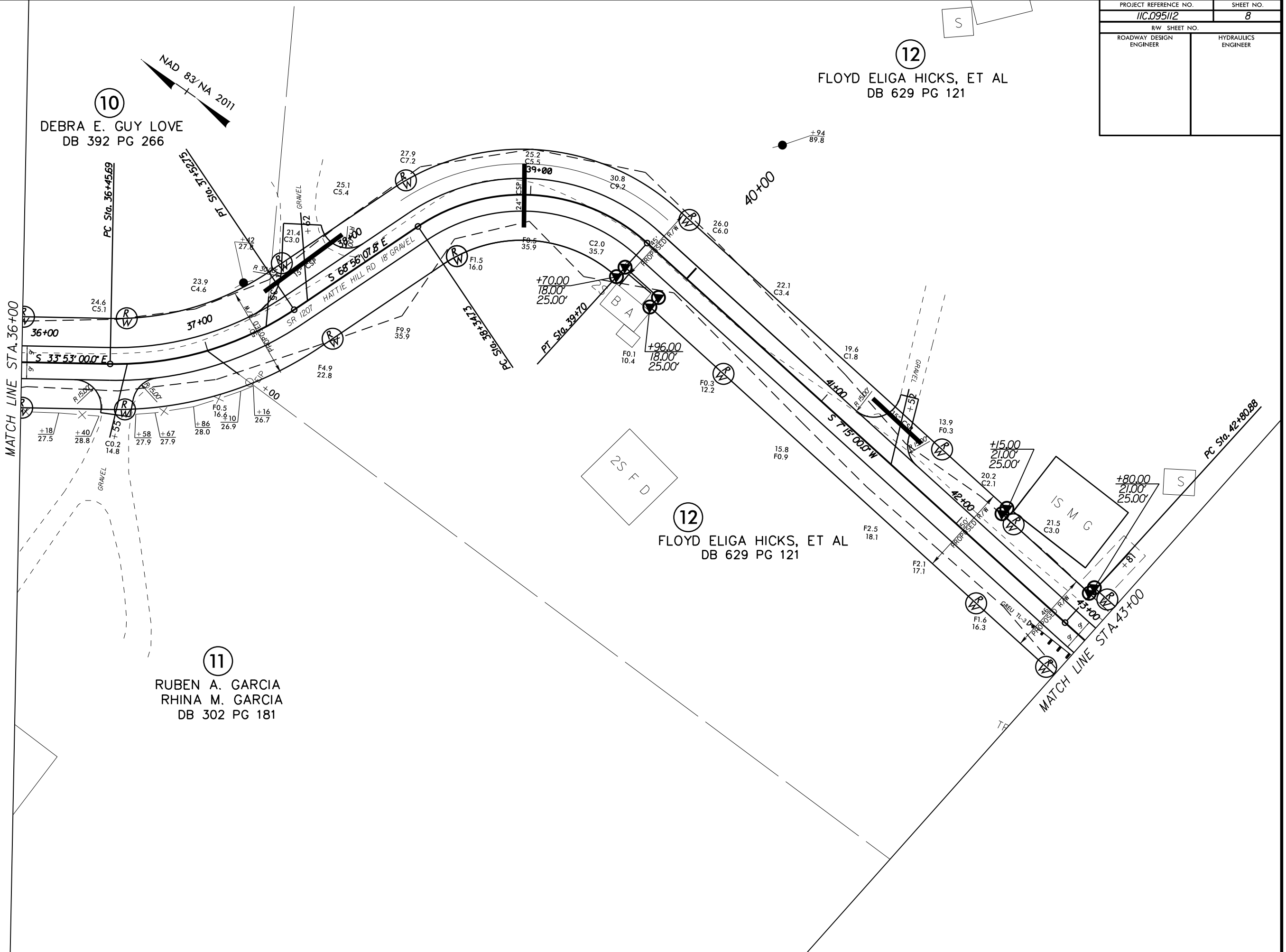
22.7 C3.8

8/17/99

05-AUG-2019 09:40 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_sht.08.dgn

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



10
 DEBRA E. GUY LOVE
 DB 392 PG 266

11
 RUBEN A. GARCIA
 RHINA M. GARCIA
 DB 302 PG 181

12
 FLOYD ELIGA HICKS, ET AL
 DB 629 PG 121

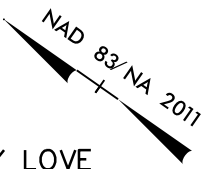
12
 FLOYD ELIGA HICKS, ET AL
 DB 629 PG 121

2S F D

IS M G

MATCH LINE STA. 36+00

MATCH LINE STA. 43+00

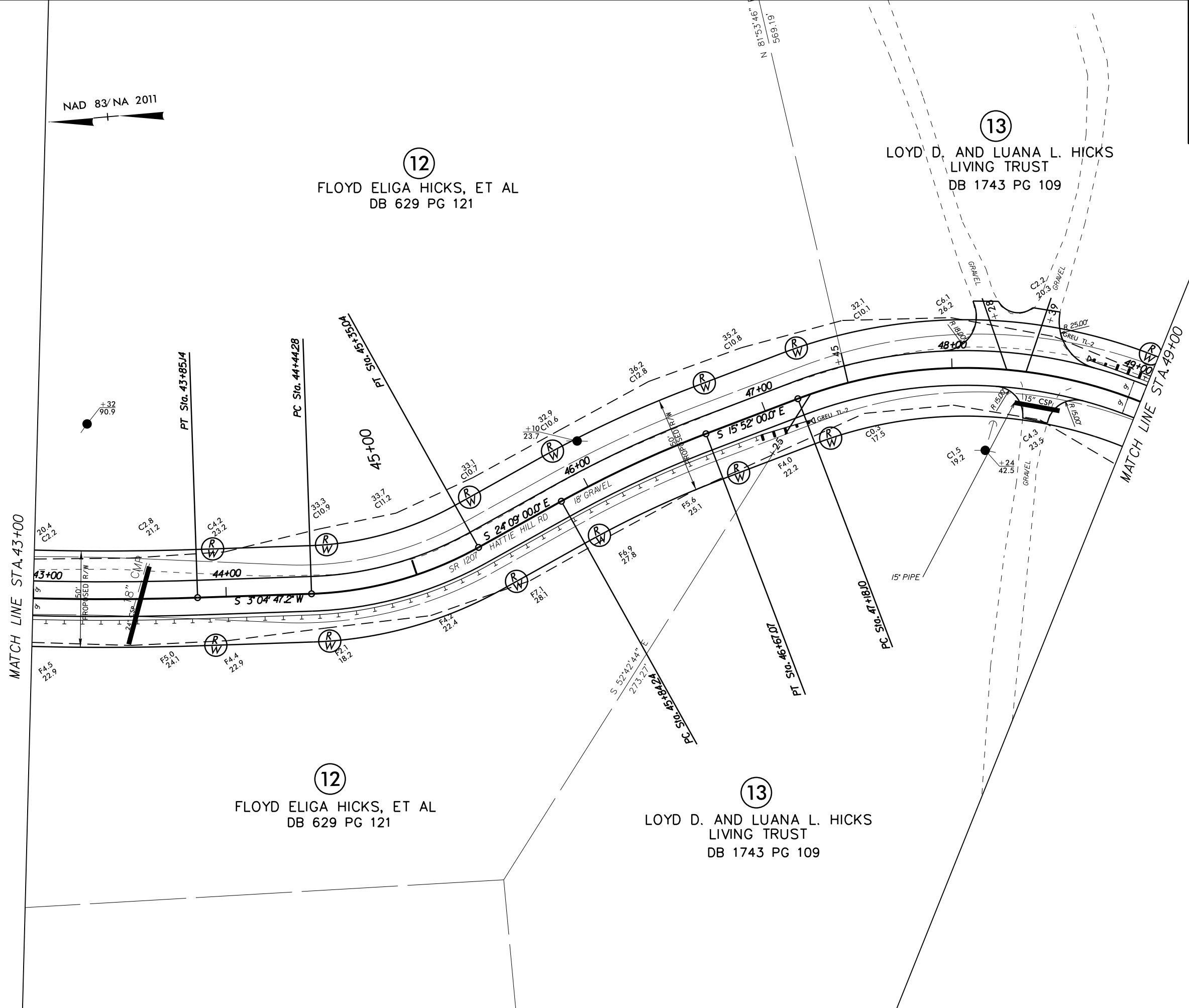
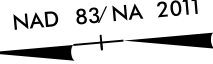


8/17/99

05-AUG-2019 09:40 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_sht_09.dgn

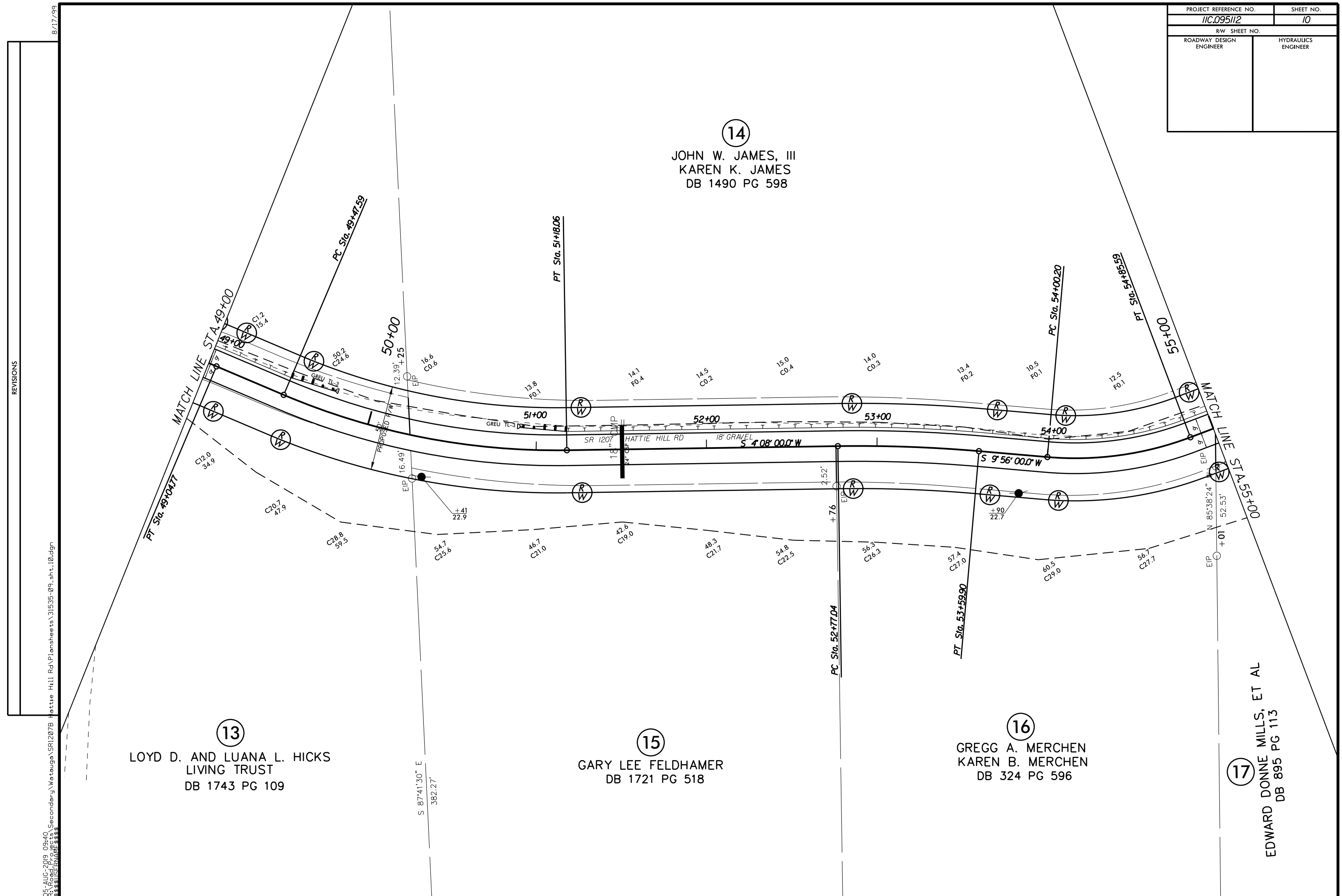
REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



\$\$\$USE ENVELOPE \$\$\$

PROJECT REFERENCE NO.	SHEET NO.
IIC.095112	10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



14

JOHN W. JAMES, III
KAREN K. JAMES
DB 1490 PG 598

13

LOYD D. AND LUANA L. HICKS
LIVING TRUST
DB 1743 PG 109

15

GARY LEE FELDHAMER
DB 1721 PG 518

16

GREGG A. MERCHEN
KAREN B. MERCHEN
DB 324 PG 596

17

EDWARD DONNE MILLS, ET AL
DB 895 PG 113

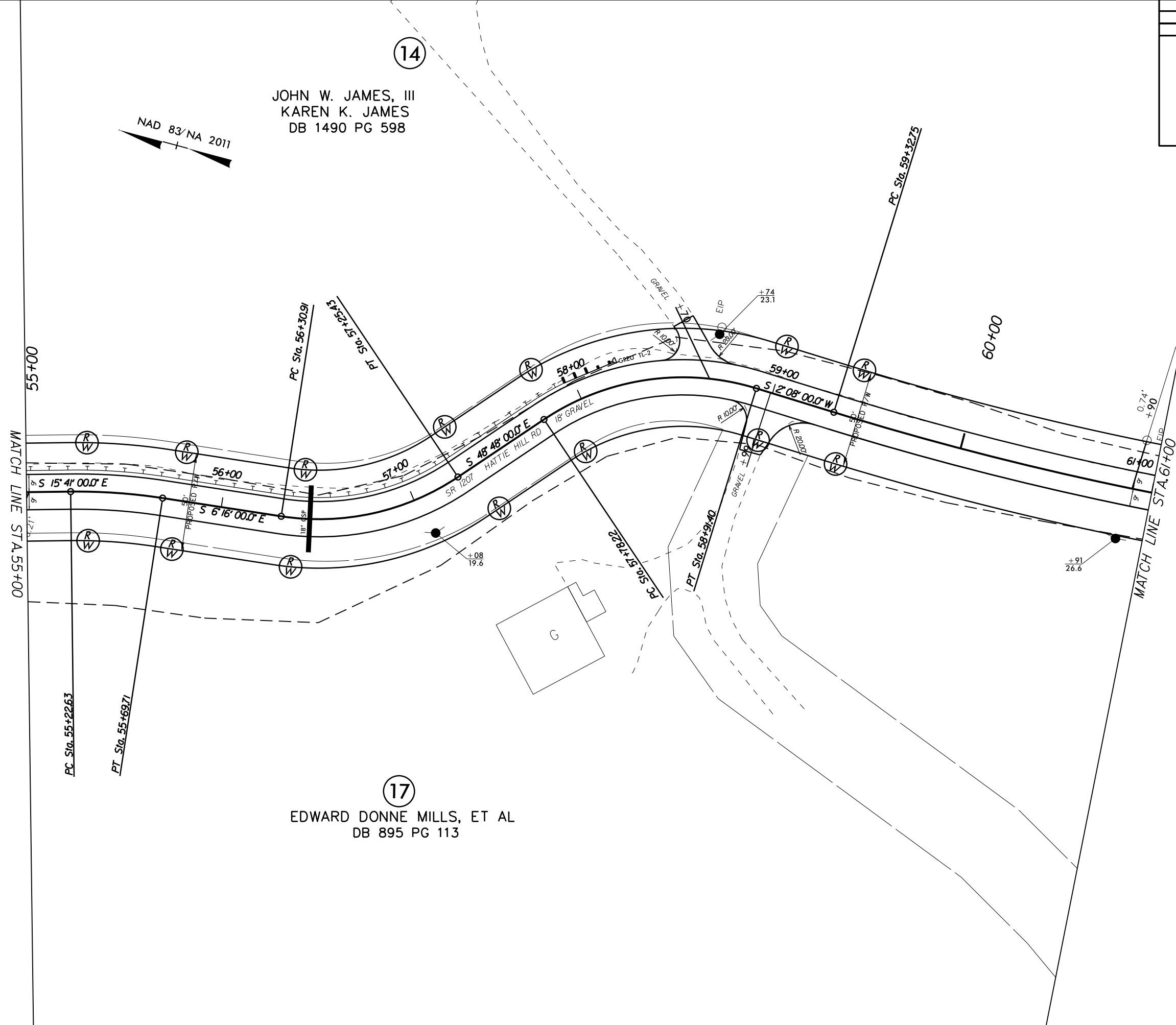
05-AUG-2019 09:40 R:\Roads\Projects\Secondary\Watauga\SR1207B Hattie Hill Rd\Plansheets\31535-09_sht.10.dgn
 8/17/99
 REVISIONS

8/17/99

05-AUG-2019 09:40 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_sht.11.dgn

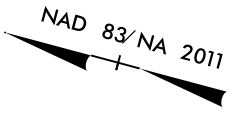
REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
11C.095112	11
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



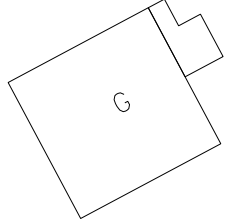
14

JOHN W. JAMES, III
KAREN K. JAMES
DB 1490 PG 598

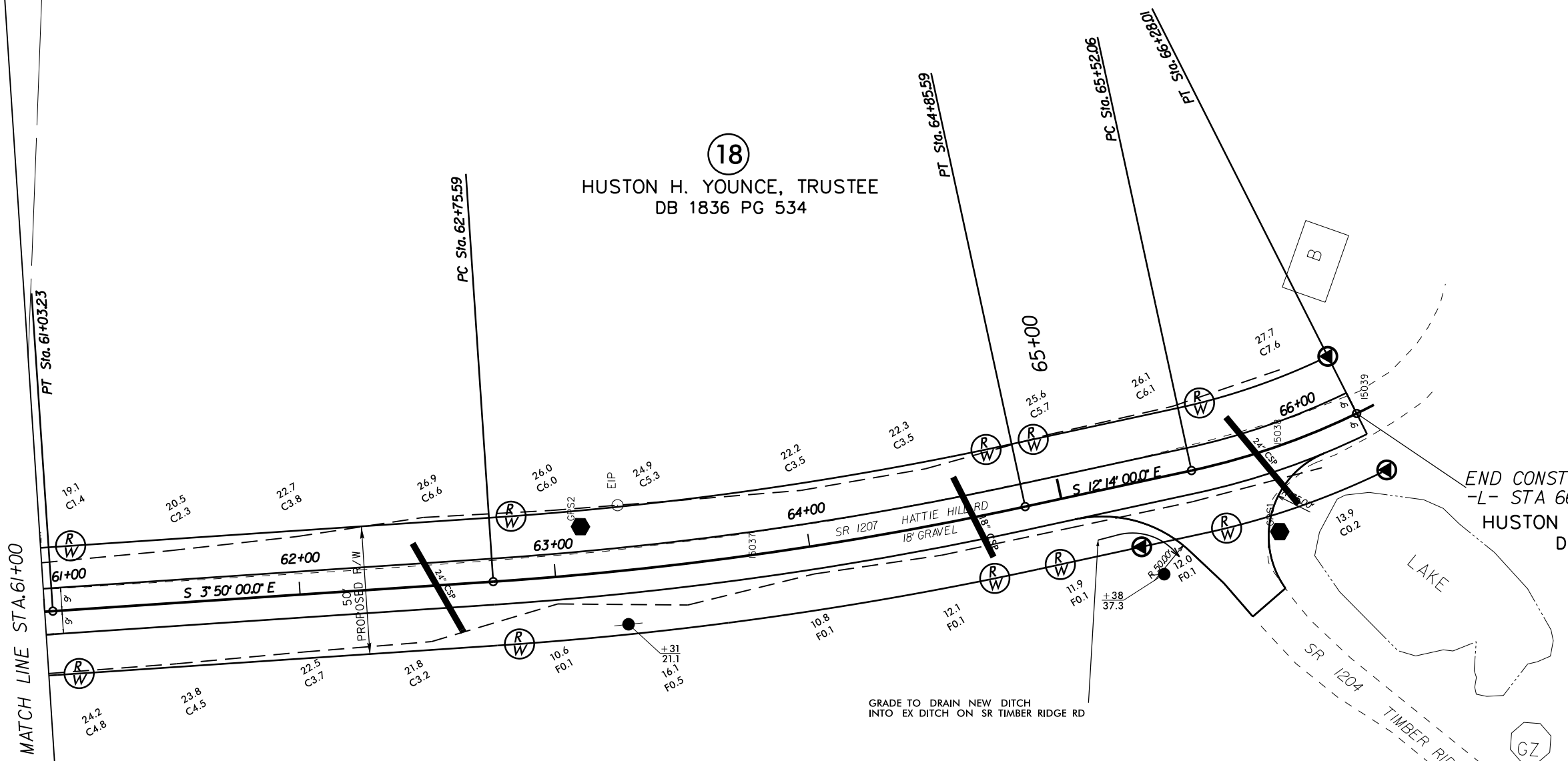
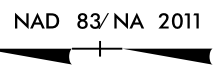


17

EDWARD DONNE MILLS, ET AL
DB 895 PG 113



PROJECT REFERENCE NO.	SHEET NO.
11C.095112	12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

05-AUG-2009 09:40
 R:\Roads\Projects\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_sht_12.dgn
 \$\$\$USE ENVELOPE \$\$\$

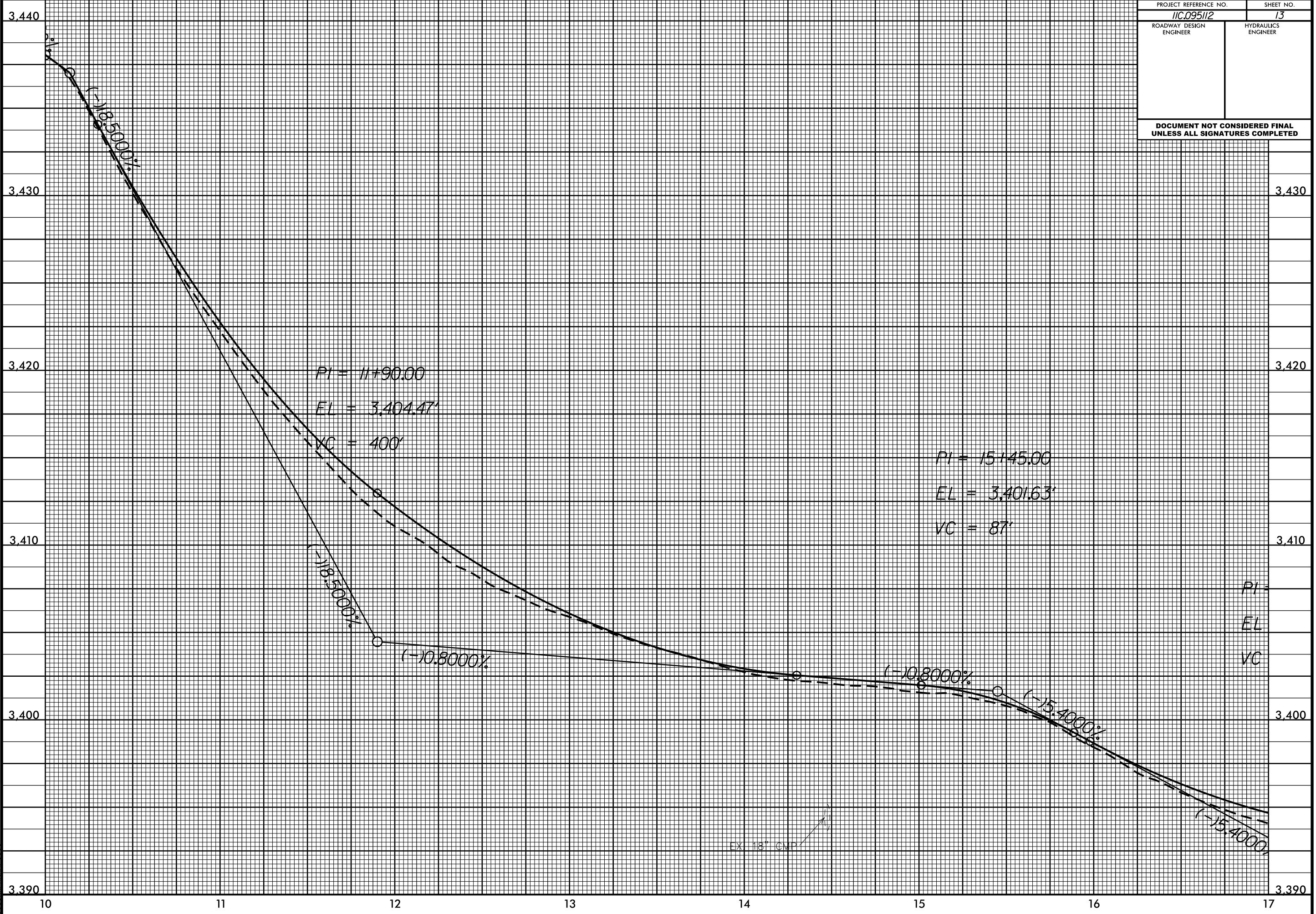
18
 HUSTON H. YOUNCE, TRUSTEE
 DB 1836 PG 534

18
 HUSTON H. YOUNCE, TRUSTEE
 DB 1836 PG 534

END CONST
 -L- STA 66+20.00 18
 HUSTON H. YOUNCE, TRUSTEE
 DB 1836 PG 534

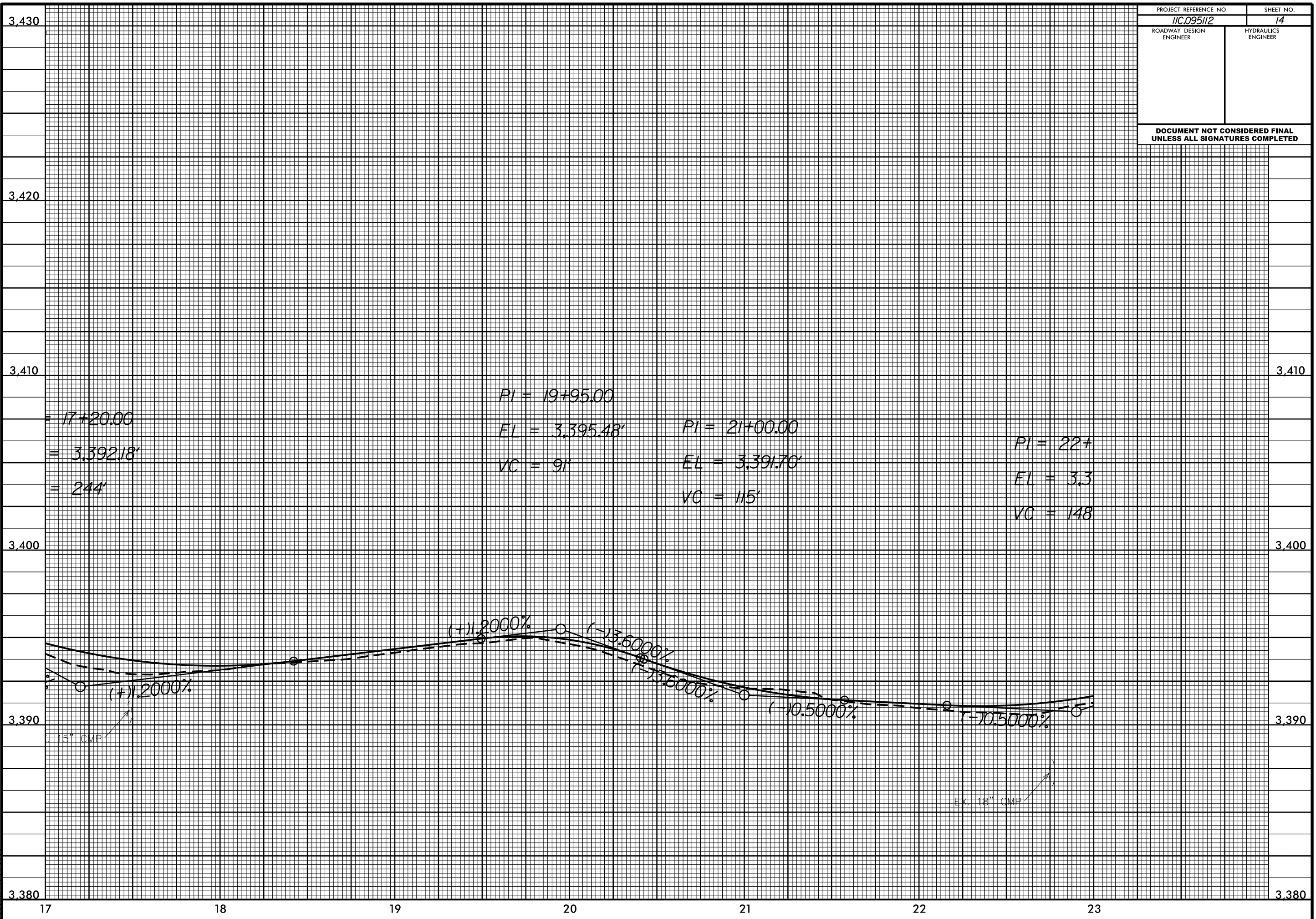
5/14/99
05-AUG-2009 09:40
R:\Road_Proj\Projects\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_sht_13.dgn

PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>13</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



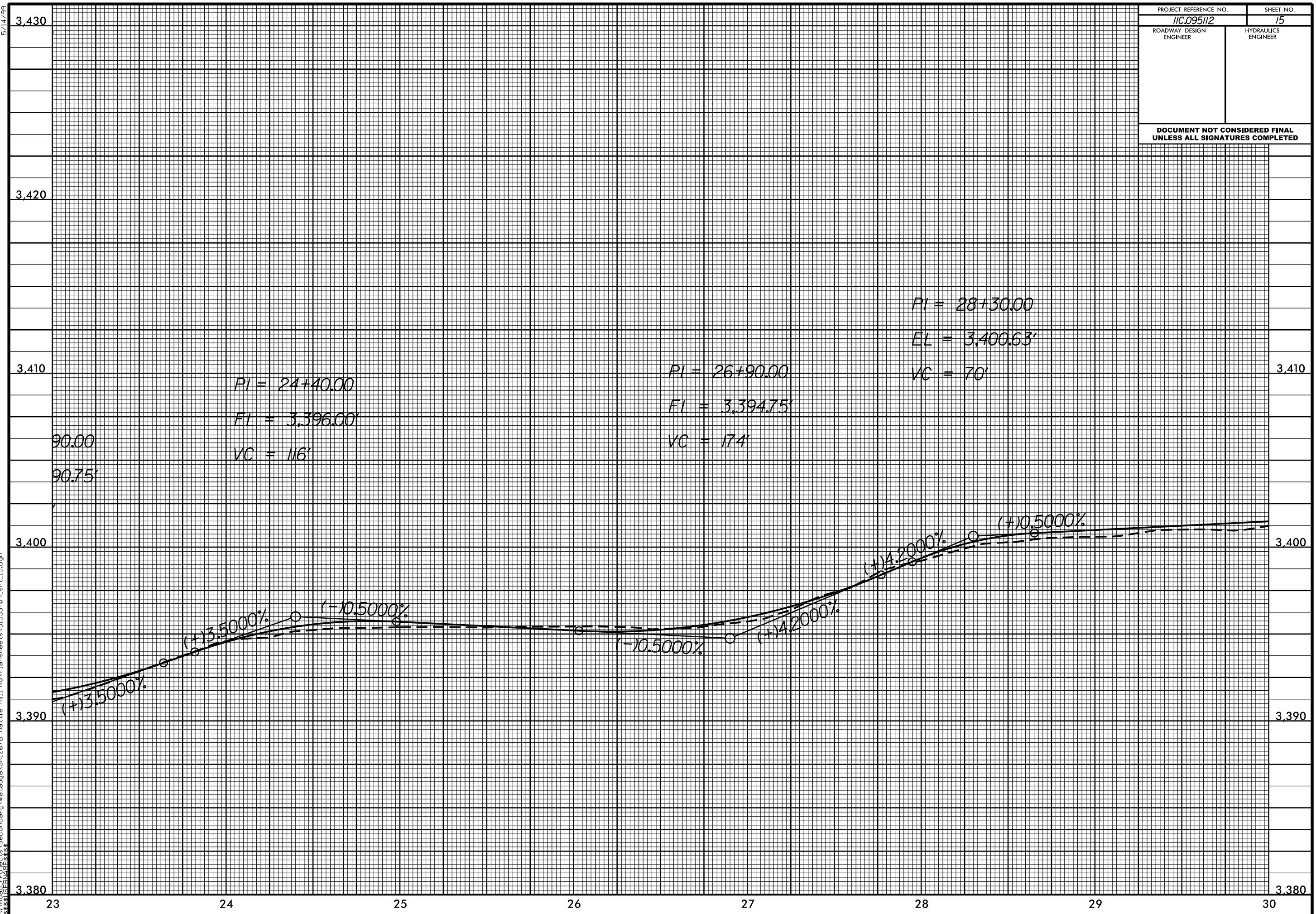
5/14/99
05-AUG-2009 09:40
R:\Road_Proj\05\Secondary\Watauga\SR1207B\Hattie Hill Rd\Plansheets\31535-09_sht_14.dgn

PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>14</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



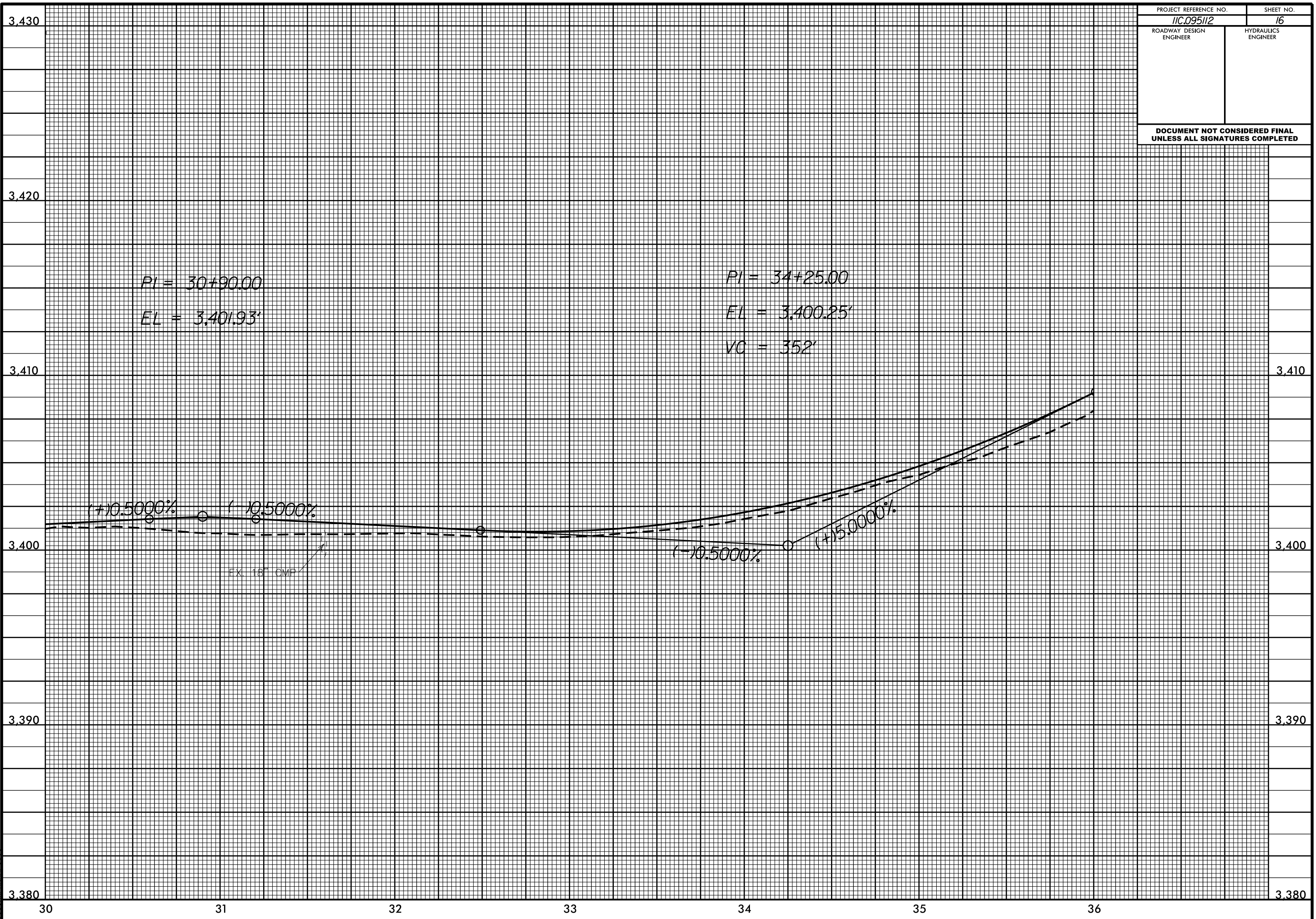
05-AUG-2009 09:41
R:\Road\Projects\Secondary\Watauga\SR1207B Hattie Hill Rd\Plansheets\31535-09_sht_15.dgn
5/14/99

PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>15</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



5/14/99
05-AUG-2009 09:41
R:\Road\Projects\Secondary\Watauga\SR1207B Hattie Hill Rd\Plansheets\31535-09_sht_16.dgn

PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>16</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



30 31 32 33 34 35 36 3,380 3,390 3,400 3,410 3,420 3,430

5/14/99
05-AUG-2009 09:41
R:\Road\Projects\Secondary\Watauga\SR1207B Hattie Hill Rd\Plansheets\31535-09_sht.17.dgn

PROJECT REFERENCE NO. 11C.095112	SHEET NO. 17
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

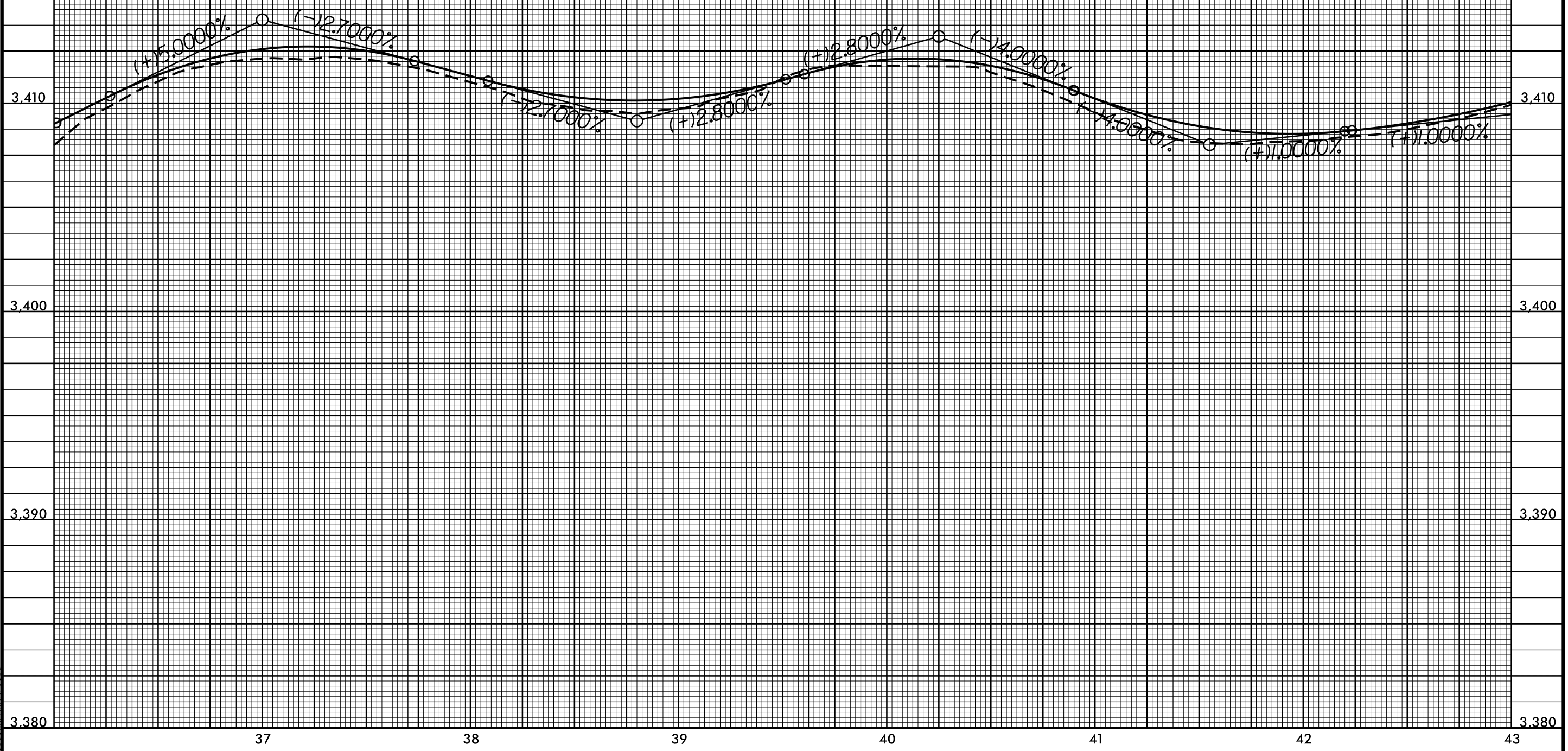
PI = 37+00.00
FI = 3.414.00'
VC = 146'

PI = 38+80.00
EL = 3.409.14'
VC = 143'

PI = 40+25.00
EL = 3.413.20'
VC = 129'

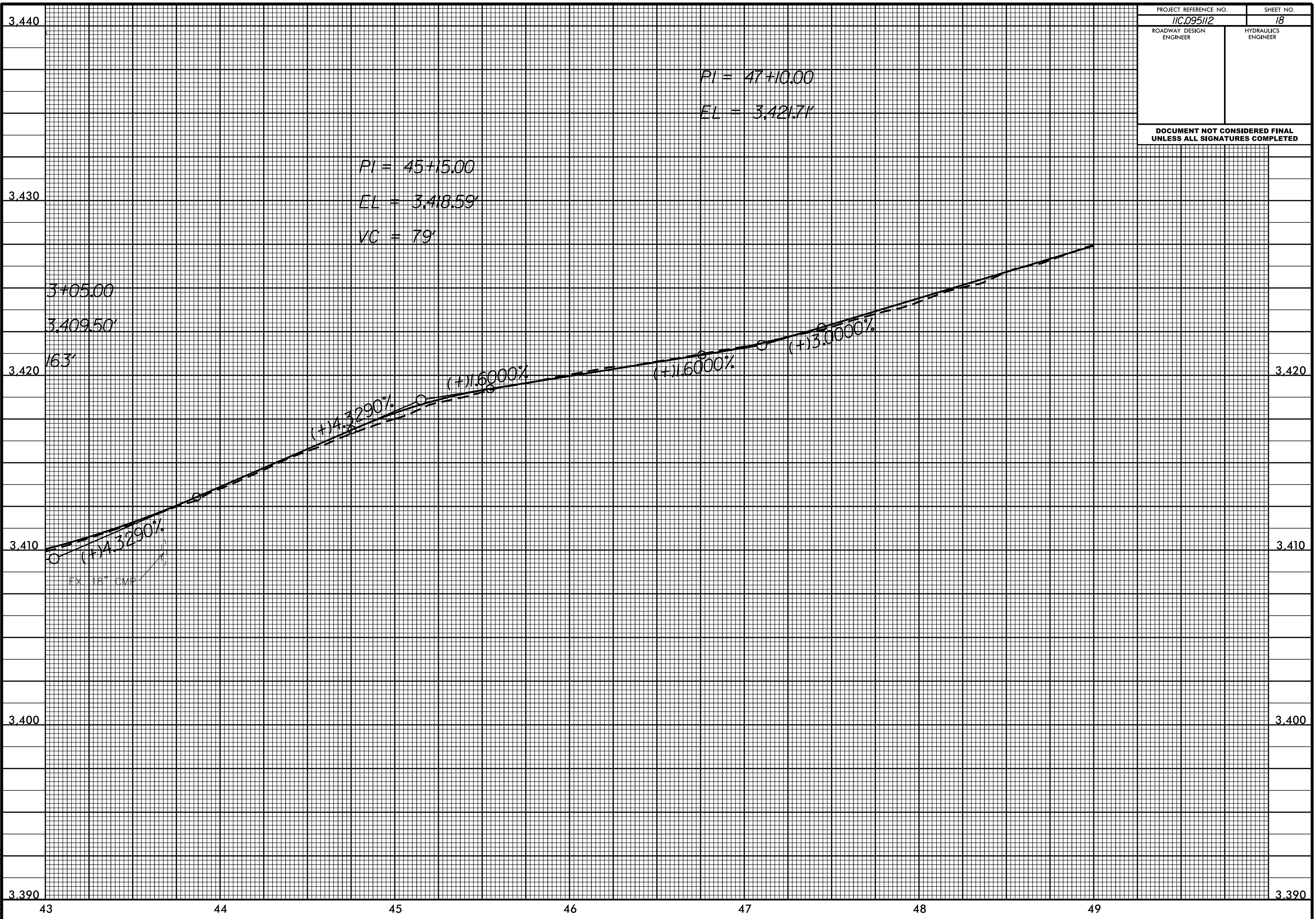
PI = 41+55.00
EL = 3.408.00'
VC = 130'

PI = 4
FI =
VC =



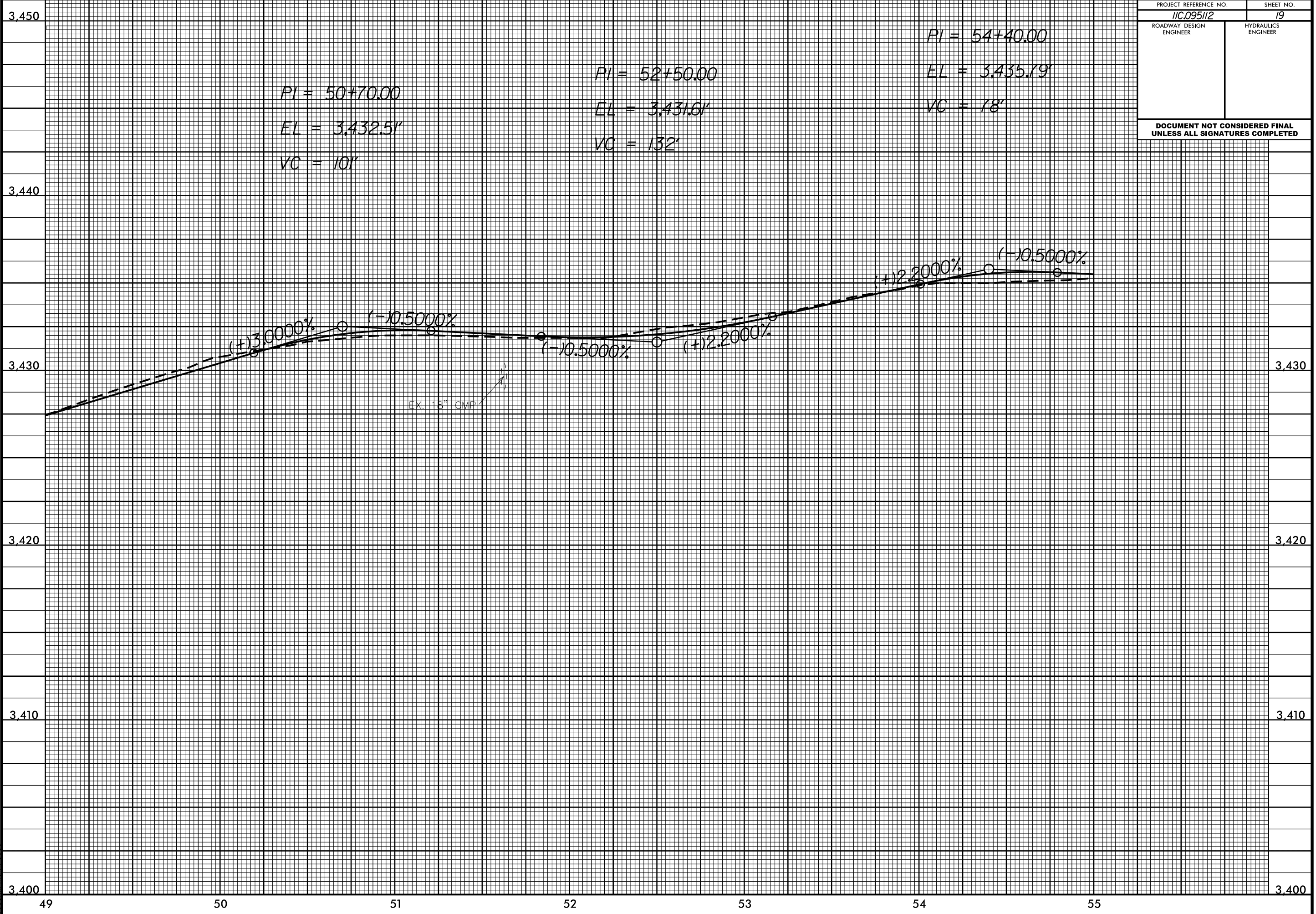
5/14/99
05-AUG-2009 09:41
R:\Road\Projects\Secondary\Watauga\SR1207B Hattie Hill Rd\Plansheets\31535-09_sht_18.dgn

PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>18</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

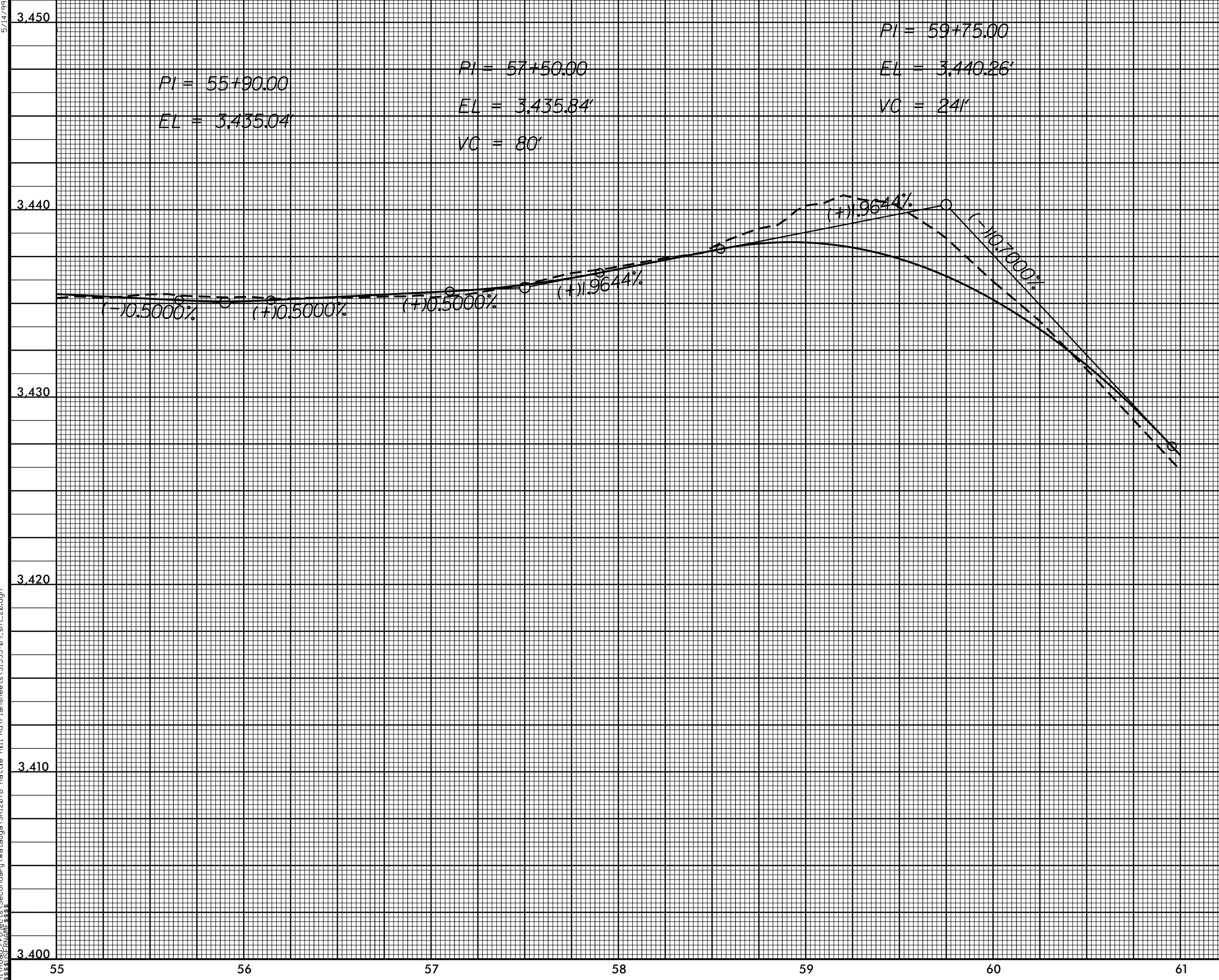


5/14/99
05-AUG-2009 09:41
R:\Road_Proj\09541\Secondary\Watauga\SR1207B Hattie Hill Rd\Plansheets\31535-09_sht_19.dgn

PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>19</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



5/14/99
05-AUG-2009 09:41
R:\Road_Proj\Projects\Secondary\Watauga\SR1207B Hattie Hill Rd\Plansheets\31535-09_sht_20.dgn



PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>20</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

5/14/99
05-AUG-2009 09:41
R:\Road_Proj\Projects\Secondary\Watauga\SR1207B Hattie Hill Rd\Plansheets\31535-09_sht_21.dgn

PROJECT REFERENCE NO. <i>11C.095112</i>	SHEET NO. <i>21</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

