

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

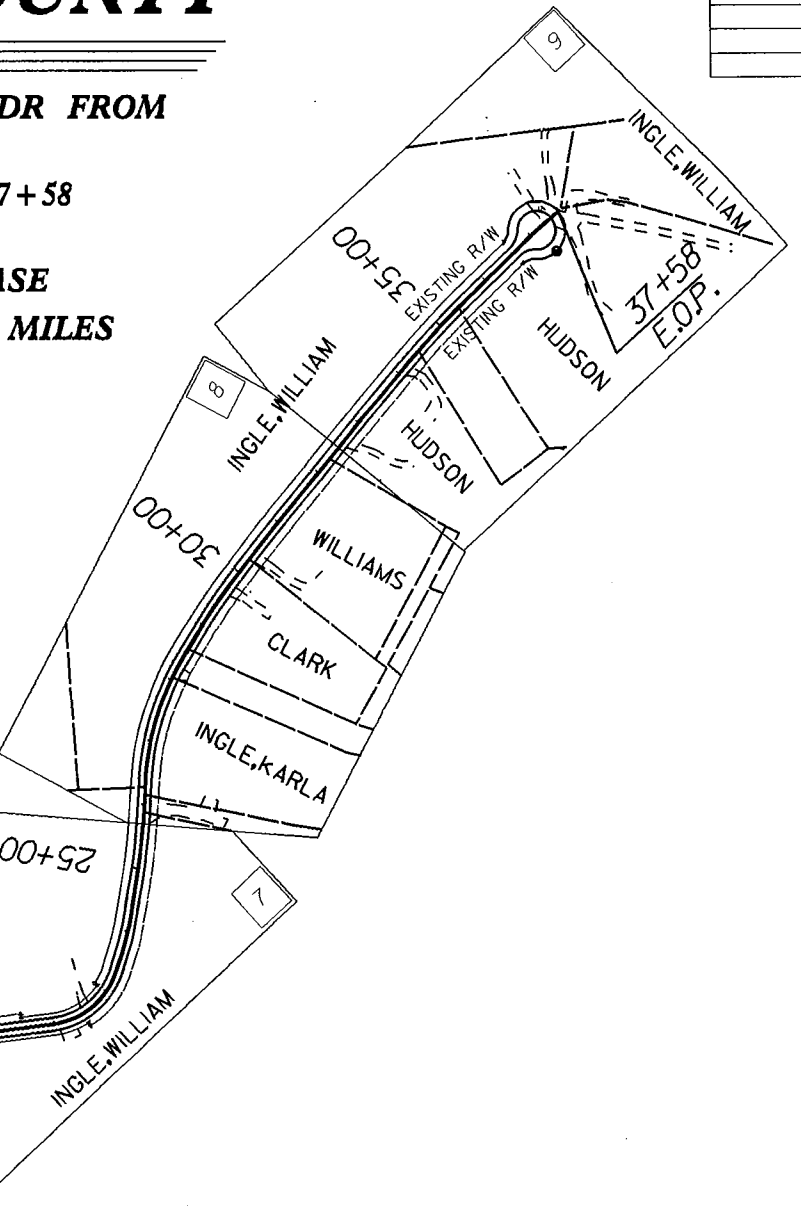
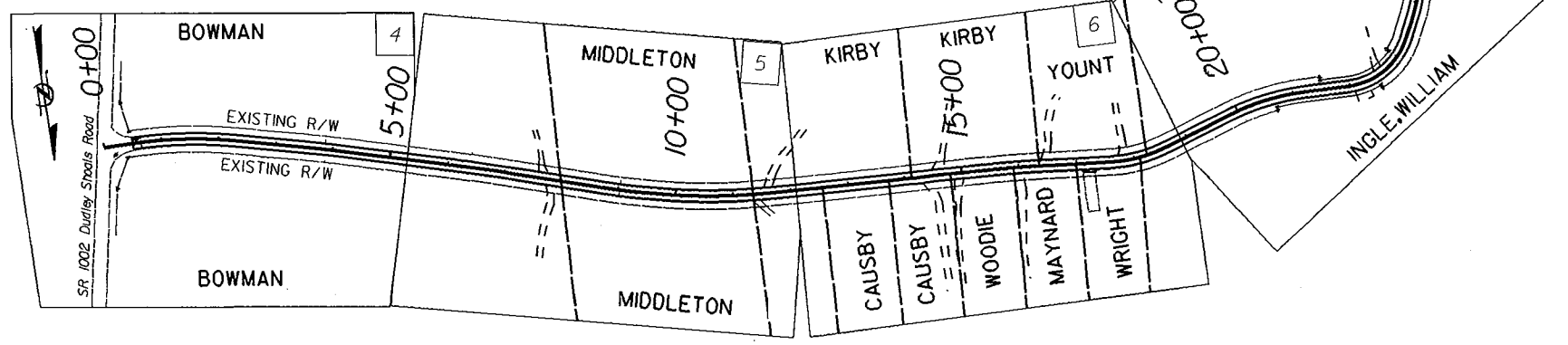
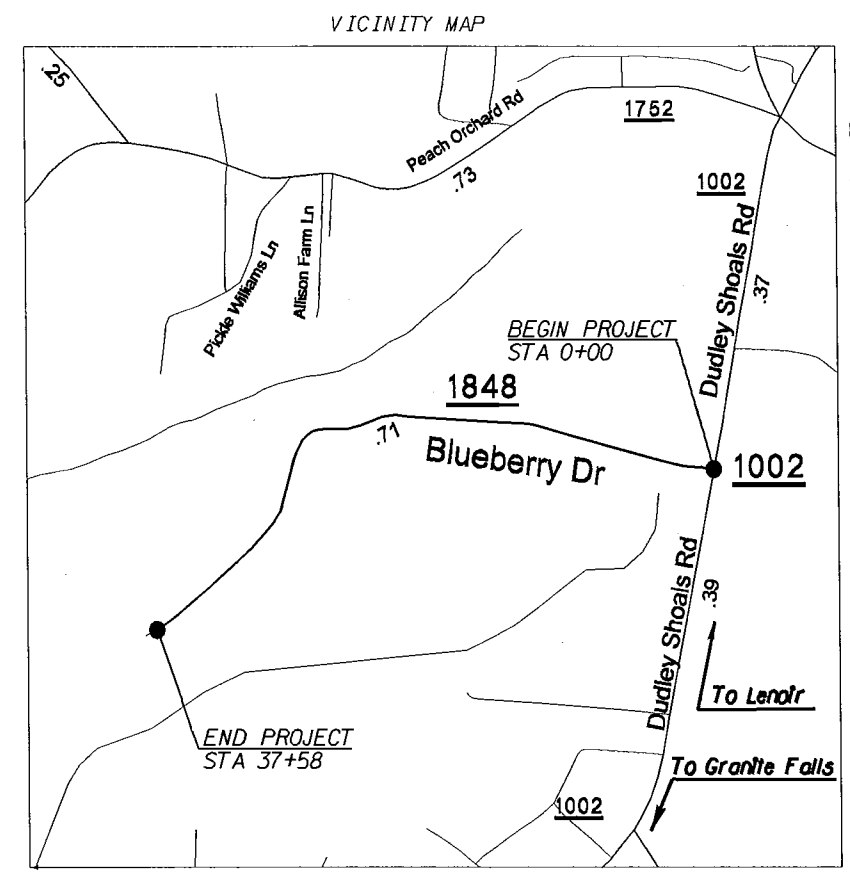
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.014097	1	14
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

CALDWELL COUNTY

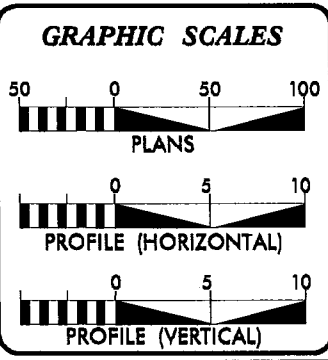
**LOCATION: SR 1848 BLUEBERRY DR FROM
SR 1002 TO E.O.P
STA 0+00 TO E.O.P 37+58**

**TYPE OF WORK:
GRADING, DRAIN, BASE
AND PAVING - 0.71 MILES**

**BEGAN SURVEY: 05/16/17
END SURVEY: 06/30/17**



CONTRACT:



DESIGN DATA

ADT	=	
DHV	=	%
D	=	%
T	=	% *
V	=	MPH
* TTST		DUAL

PROJECT LENGTH
0.71 Miles

Prepared in the Office of:
DIVISION OF HIGHWAYS
DIVISION 11, DISTRICT 2 BOONE
P.O. BOX 1460, BOONE, N.C. 28607

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: M.A. PETTYJOHN P.E.
DIVISION ENGINEER

LETTING DATE: D. ELLER
DISTRICT ENGINEER

DIVISION ENGINEER

SIGNATURE: _____ P.E.

DISTRICT ENGINEER

SIGNATURE: _____ P.E.

**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

STATE HIGHWAY DESIGN ENGINEER

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GENERAL NOTES

PROJECT REFERENCE NO.

11C.014097

SHEET NO.

1-A

ROADWAY DESIGN
ENGINEER

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
1-C	
1-D	UTILITIES POLE DATA AND CENTER LINE SHIFT SHEET
1-E	
2	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
3	SUMMARY OF QUANTITIES SUMMARY OF DRAINAGE QUANTITIES SUMMARY OF GUARDRAIL, EARTHWORK SUMMARY, AND ASPHALT PAVEMENT REMOVAL SUMMARY
3-B	RIGHT OF WAY DATA SHEET
3-C	DRAINAGE SUMMARY SHEET (48" AND UNDER)
4 THRU 9	PLAN SHEETS

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3/15/06

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

Table listing symbols for State Line, County Line, Township Line, City Line, Reservation Line, Property Line, Existing Iron Pin, Property Corner, Property Monument, Parcel/Sequence Number, Existing Fence Line, 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.

BUILDINGS AND OTHER CULTURE:

Table listing symbols for Gas Pump Vent or U/G Tank Cap, Sign, Well, Small Mine, Foundation, Area Outline, Cemetery, Building, School, Church, Dam.

HYDROLOGY:

Table listing symbols for 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:

Table listing symbols for Standard Gauge, RR Signal Milepost, Switch, RR Abandoned, RR Dismantled.

RIGHT OF WAY:

Table listing symbols for Baseline Control Point, Existing Right of Way Marker, Existing Right of Way Line, Proposed Right of Way Line, Proposed Right of Way Line with Iron Pin and Cap Marker, Proposed Right of Way Line with Concrete or Granite Marker, Existing Control of Access, Proposed Control of Access, Existing Easement Line, Proposed Temporary Construction Easement, Proposed Temporary Drainage Easement, Proposed Permanent Drainage Easement, Proposed Permanent Utility Easement.

ROADS AND RELATED FEATURES:

Table listing symbols for Existing Edge of Pavement, Existing Curb, Proposed Slope Stakes Cut, Proposed Slope Stakes Fill, Proposed Wheel Chair Ramp, Proposed Wheel Chair Ramp Curb Cut, Curb Cut for Future Wheel Chair Ramp, Existing Metal Guardrail, Proposed Guardrail, Existing Cable Guiderail, Proposed Cable Guiderail, Equality Symbol, Pavement Removal.

VEGETATION:

Table listing symbols for Single Tree, Single Shrub, Hedge, Woods Line, Orchard, Vineyard.

EXISTING STRUCTURES:

Table listing symbols for Bridge, Tunnel or Box Culvert, Bridge Wing Wall, Head Wall and End Wall, Head and End Wall, Pipe Culvert, Footbridge, Drainage Box: Catch Basin, DI or JB, Paved Ditch Gutter, Storm Sewer Manhole, Storm Sewer.

UTILITIES:

Table listing symbols for 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, Recorded U/G Power Line, Designated U/G Power Line (S.U.E.*).

TELEPHONE:

Table listing symbols for Existing Telephone Pole, Proposed Telephone Pole, Telephone Manhole, Telephone Booth, Telephone Pedestal, Telephone Cell Tower, U/G Telephone Cable Hand Hole, Recorded U/G Telephone Cable, Designated U/G Telephone Cable (S.U.E.*), Recorded U/G Telephone Conduit, Designated U/G Telephone Conduit (S.U.E.*), Recorded U/G Fiber Optics Cable, Designated U/G Fiber Optics Cable (S.U.E.*).

WATER:

Table listing symbols for Water Manhole, Water Meter, Water Valve, Water Hydrant, Recorded U/G Water Line, Designated U/G Water Line (S.U.E.*), Above Ground Water Line.

TV:

Table listing symbols for TV Satellite Dish, TV Pedestal, TV Tower, U/G TV Cable Hand Hole, Recorded U/G TV Cable, Designated U/G TV Cable (S.U.E.*), Recorded U/G Fiber Optic Cable, Designated U/G Fiber Optic Cable (S.U.E.*).

GAS:

Table listing symbols for Gas Valve, Gas Meter, Recorded U/G Gas Line, Designated U/G Gas Line (S.U.E.*), Above Ground Gas Line.

SANITARY SEWER:

Table listing symbols for Sanitary Sewer Manhole, Sanitary Sewer Cleanout, U/G Sanitary Sewer Line, Above Ground Sanitary Sewer, Recorded SS Forced Main Line, Designated SS Forced Main Line (S.U.E.*).

MISCELLANEOUS:

Table listing symbols for Utility Pole, Utility Pole with Base, Utility Located Object, Utility Traffic Signal Box, Utility Unknown U/G Line, U/G Tank; Water, Gas, Oil, A/G Tank; Water, Gas, Oil, U/G Test Hole (S.U.E.*), Abandoned According to Utility Records, End of Information.

7/2/99
 ENTERED BY: GAK DATE: 06/29/17
 CHECKED BY: GAK DATE: 06/29/17
 REVISIONS
 DATE:

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. IIC.D14097
 SHEET NO. 1-D

POLE DATA SHEET

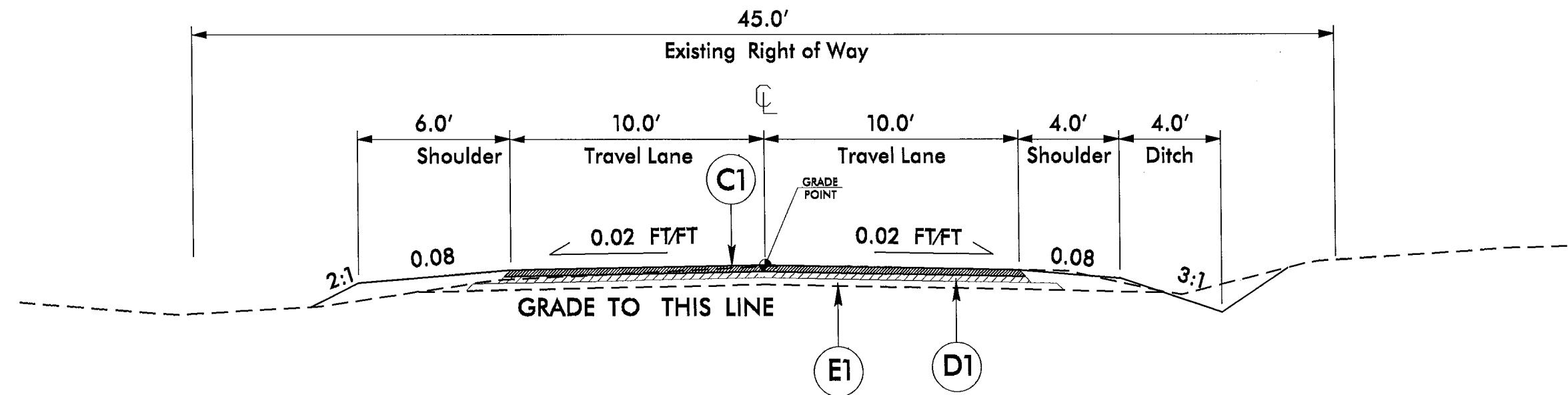
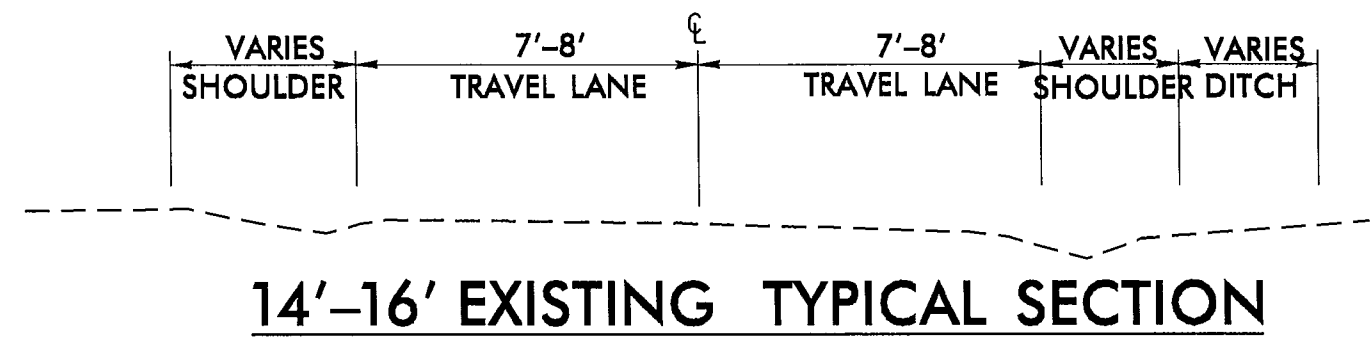
CENTERLINE
 SHIFT STA'S

OWNER OF THE POLE LINE: Caldwell County Water								OWNER OF THE POLE LINE: BREMCO								STATION		STATION			
STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD		DIST. FROM CENTER PROJECT		DIST. FROM PROJECT AFTER MOVING		REMARKS	STATION	POLE NUMBER	DIST. FROM CENTER PRESENT ROAD		DIST. FROM CENTER PROJECT		DIST. FROM PROJECT AFTER MOVING		REMARKS	LEFT	RIGHT	LEFT	RIGHT
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT				LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT					
17+83			21.5		21.5		22.5		12+53			24.6		24.6		?		1+00		37+00	
22+42			16.6		16.6		17.0		19+74			19.6		19.6		22.5		2+00		38+00	
32+08			19.5		19.5		22.5		25+80		20.3		20.3		22.5			3+00		39+00	
33+35			20.7		20.7		22.5											4+00		40+00	
35+26			22.0		22.0		22.5											5+00		41+00	
																		6+00		42+00	
																		7+00		43+00	
																		8+00		44+00	
																		9+00		45+00	
																		10+00		46+00	
																		11+00		47+00	
																		12+00		48+00	
																		13+00		49+00	
																		14+00		50+00	
																		15+00		51+00	
																		16+00		52+00	
																		17+00		53+00	
																		18+00		54+00	
																		19+00		55+00	
																		20+00		56+00	
																		21+00		57+00	
									7+82		25.3		25.3		?			22+00		58+00	
									16+39		20.6		20.6		22.5			23+00		59+00	
									32+18			20.9		20.9		22.5		24+00		60+00	
																		25+00		61+00	
																		26+00		62+00	
																		27+00		63+00	
																		28+00		64+00	
																		29+00		65+00	
																		30+00		66+00	
																		31+00		67+00	
																		32+00		68+00	
																		33+00		69+00	
																		34+00		70+00	
																		35+00		71+00	
																		36+00		72+00	

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6/2/99

PROJECT REFERENCE NO. 11C.014097	SHEET NO. 2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



*Sta. 0+00 to 21+75

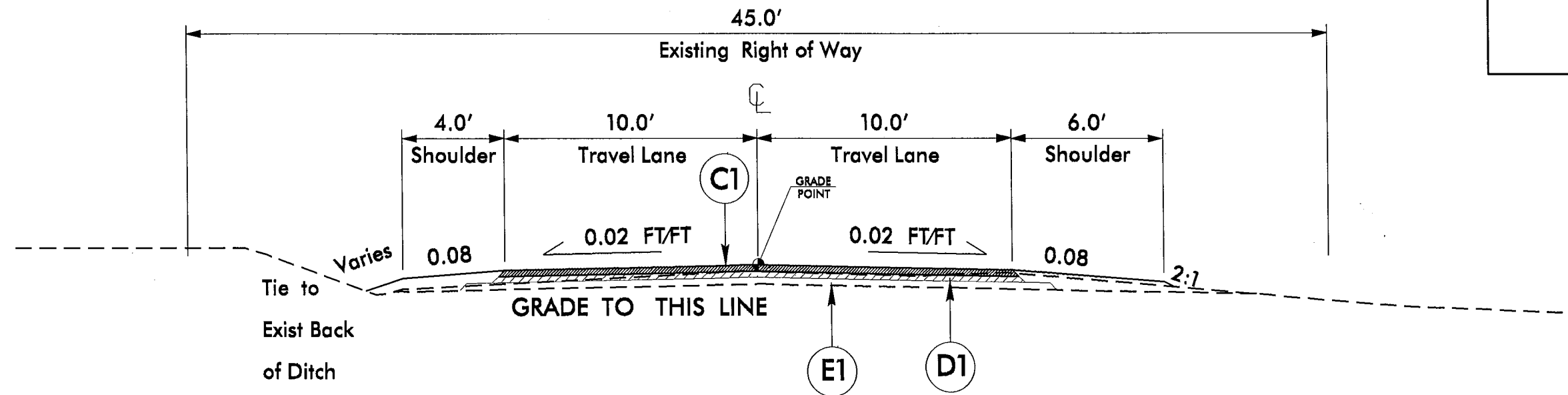
*Sta. 22+75 to 36+61



C1	PROP. ASPHALT SURFACE TREATMENT (TRIPLE SEAL).
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" AGGREGATE BASE COURSE.

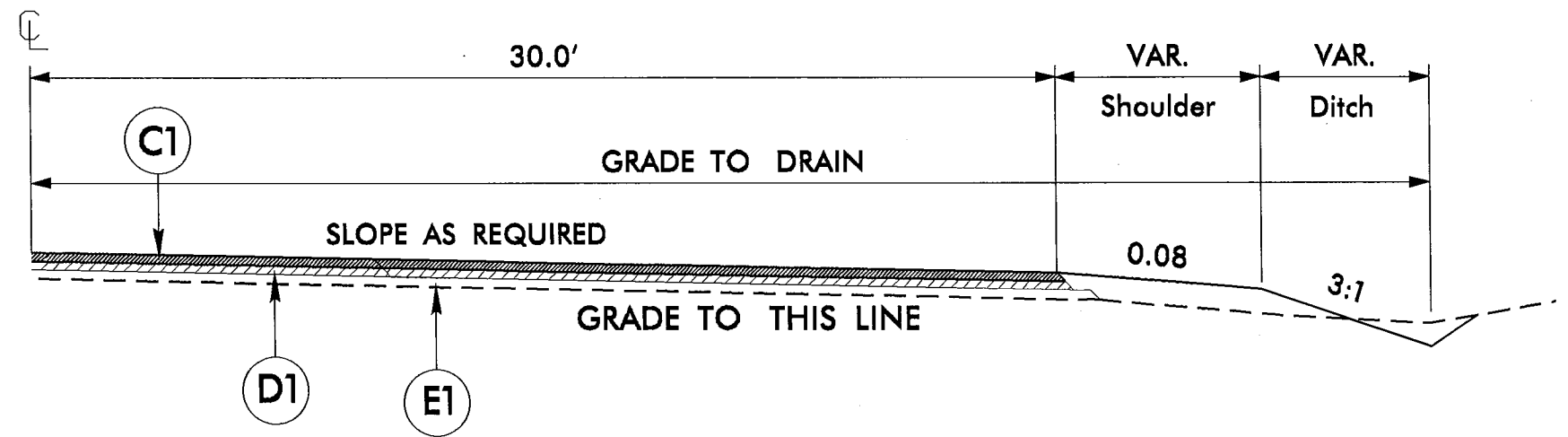
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PROJECT REFERENCE NO. 11C.014097	SHEET NO. 2A
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER



TYPICAL SECTION NO. 2

*Sta. 21+75 to 22+75

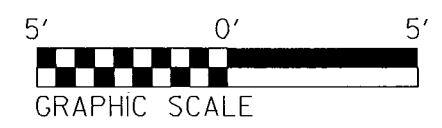


TYPICAL SECTION NO. 3

CUL-DE-SAC TYPICAL

*Sta. 36+61 to 37+58

C1	PROP. ASPHALT SURFACE TREATMENT (TRIPLE SEAL).
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" AGGREGATE BASE COURSE.



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12/05/05
 ENTERED BY: CS DATE: 06/30/17
 CHECKED BY: GK DATE: 6/30/17
 DATE: REVISIONS

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. SHEET NO.
 IIC.014097 3-B

RIGHT OF WAY DATA SHEET

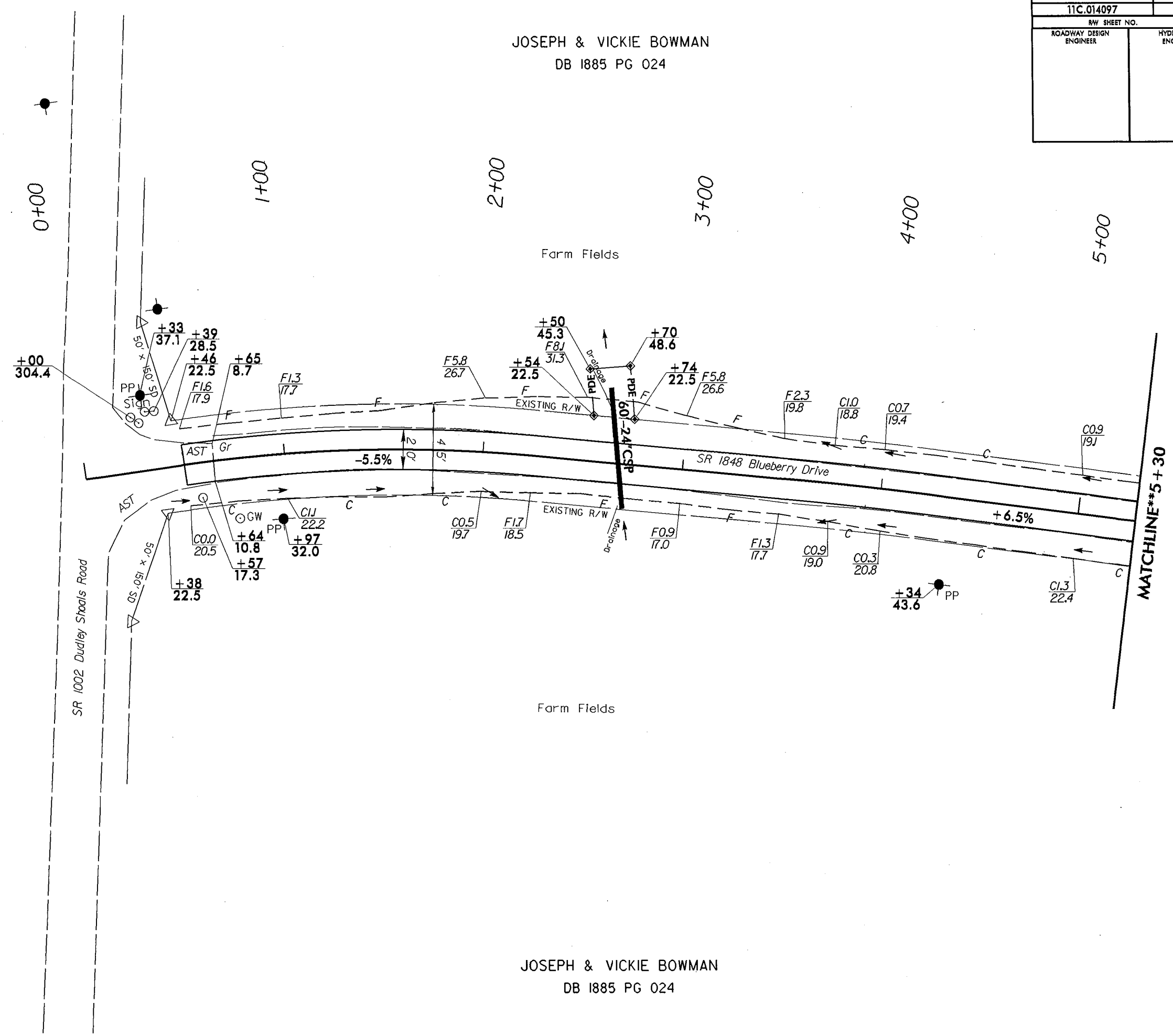
PARCEL NO.	PROPERTY OWNERS NAME	ADDRESS	CITY	STATE	ZIP	DEED BOOK / PAGE	NCPIN	PHONE	PARCEL NO.	PROPERTY OWNERS NAME	ADDRESS	CITY	STATE	ZIP	DEED BOOK / PAGE	NCPIN	PHONE
1	JOSEPH & VICKIE BOWMAN	5530 HORIZON PLACE	GRANITE FALLS	NC	28630	1885/24	2786582548										
2	PEGGY MOORE MIDDLETON	82218 CEDARBROOK DR	CHARLOTTE	NC	28215	1339/1247	2786487525										
3	ROBERT & BEVERLY LOUDERMELT	4262 BLUEBERRY DR	GRANITE FALLS	NC	28630	1274/1473	2786484270										
4	JOHN PAUL KIRBY	4251 BLUEBERRY DR	GRANITE FALLS	NC	28630	1782/739	2786472673										
5	BOB & SANDRA CAUSBY	5063 BURNS RD	GRANITE FALLS	NC	28630	1000/227	2786483262										
6	BOB & SANDRA CAUSBY	5063 BURNS RD	GRANITE FALLS	NC	28630	1000/227	2786482242										
7	JOHNNY C. KIRBY	PO BOX 86	GRANITE FALLS	NC	28630	1782/737	2786470752										
8	BILLY R. WOODIE	4256 BLUEBERRY DR	GRANITE FALLS	NC	28630	1234/874	2786481233										
9	ERIC & STEPHANIE MAYNARD	4238 BLUEBERRY DR	GRANITE FALLS	NC	28630	1864/1285	2786480235										
10	ANGIE RENEE YOUNT	4235 BLUEBERRY DR	GRANITE FALLS	NC	28630	1669/417	2786379618										
11	DWAYNE MITCHELL WRIGHT	4234 BLUEBERRY DR	GRANITE FALLS	NC	28630	1881/748	2786389236										
12	WILLIAM & ANGIE INGLE	4026 PEACH ORCHARD RD	GRANITE FALLS	NC	28630	1758/1739	2786373969										
13	RODNEY & KARLA INGLE	4212 BLUEBERRY DR	GRANITE FALLS	NC	28630	1541/1828	2786277843										
14	KARLA & RODNEY INGLE	4212 BLUEBERRY DR	GRANITE FALLS	NC	28630	1361/596	2786370536										
15	WILLIAM & ANGIE INGLE	4026 PEACH ORCHARD RD	GRANITE FALLS	NC	28630	1758/1757	2786360951										
16	ANGIE & RODNEY INGLE	4212 BLUEBERRY DR	GRANITE FALLS	NC	28630	1912/1352	2786277615										
17	JORDAN & VICTORIA CLARK	4194 BLUEBERRY DR	GRANITE FALLS	NC	28630	1899/1611	2786279378										
18	DAVID & DEBRA WILLIAMS	4188 BLUEBERRY DR	GRANITE FALLS	NC	28630	806/239	2786278284										
19	RODNEY CARROLL HUDSON	4172 BLUEBERRY DR	GRANITE FALLS	NC	28630	1888/1623	2786275484										
20	RODNEY CARROLL HUDSON	4172 BLUEBERRY DR	GRANITE FALLS	NC	28630	1888/1623	2786276024										
21	RODNEY CARROLL HUDSON	4172 BLUEBERRY DR	GRANITE FALLS	NC	28630	1745/296	2786263927										
22	WILLIAM & ANGIE INGLE	4026 PEACH ORCHARD RD	GRANITE FALLS	NC	28630	1758/1745	2786167965										

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PROJECT REFERENCE NO.	SHEET NO.
11C.014097	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

JOSEPH & VICKIE BOWMAN
DB 1885 PG 024

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JOSEPH & VICKIE BOWMAN
DB 1885 PG 024

REVISIONS

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MATCHLINE**5+30

PROJECT REFERENCE NO.	SHEET NO.
11C.014097	5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



JOSEPH & VICKIE BOWMAN
DB 1885 PG 024

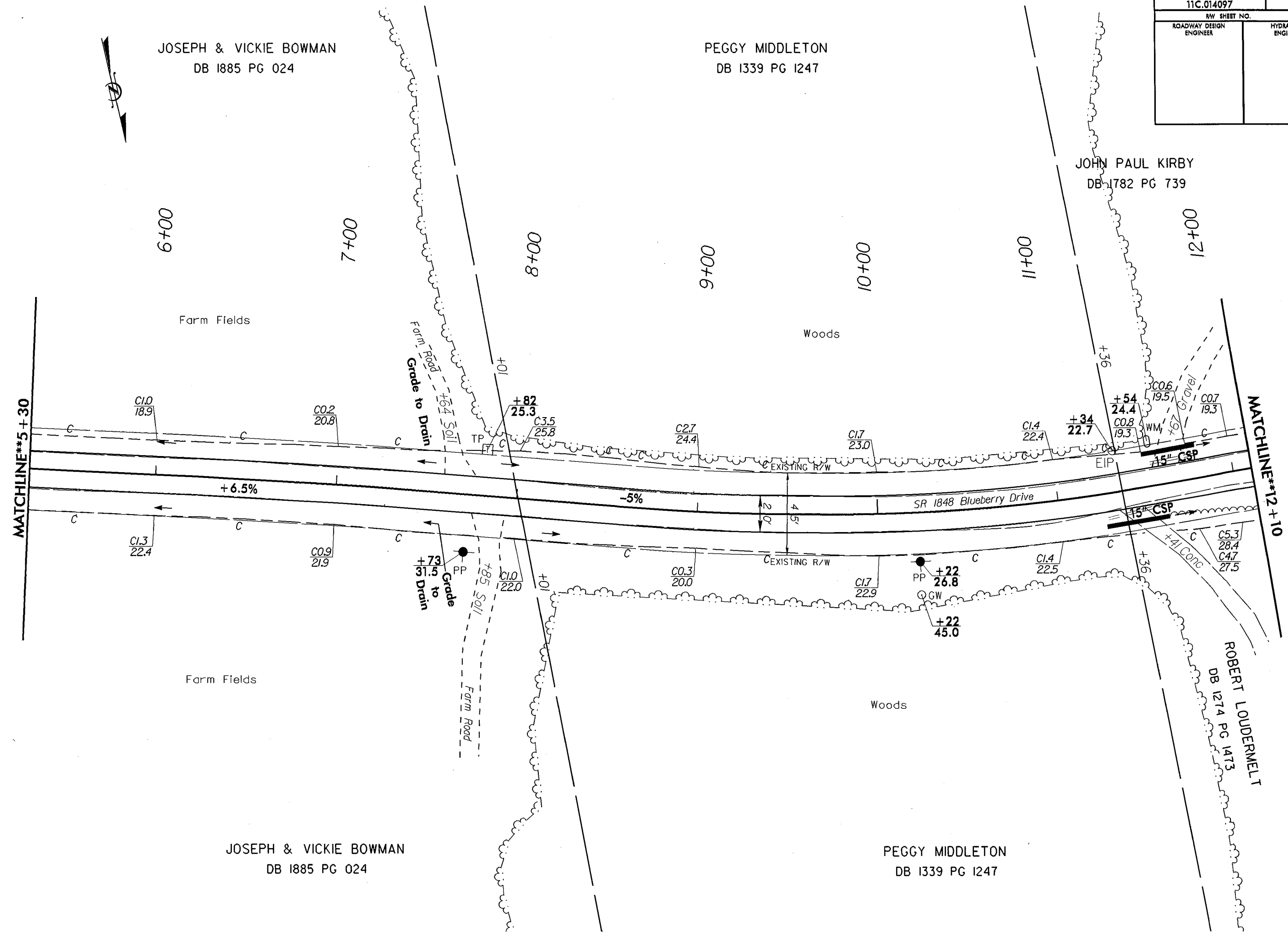
PEGGY MIDDLETON
DB 1339 PG 1247

JOHN PAUL KIRBY
DB 1782 PG 739

JOSEPH & VICKIE BOWMAN
DB 1885 PG 024

PEGGY MIDDLETON
DB 1339 PG 1247

ROBERT LOUDERMELT
DB 1274 PG 1473



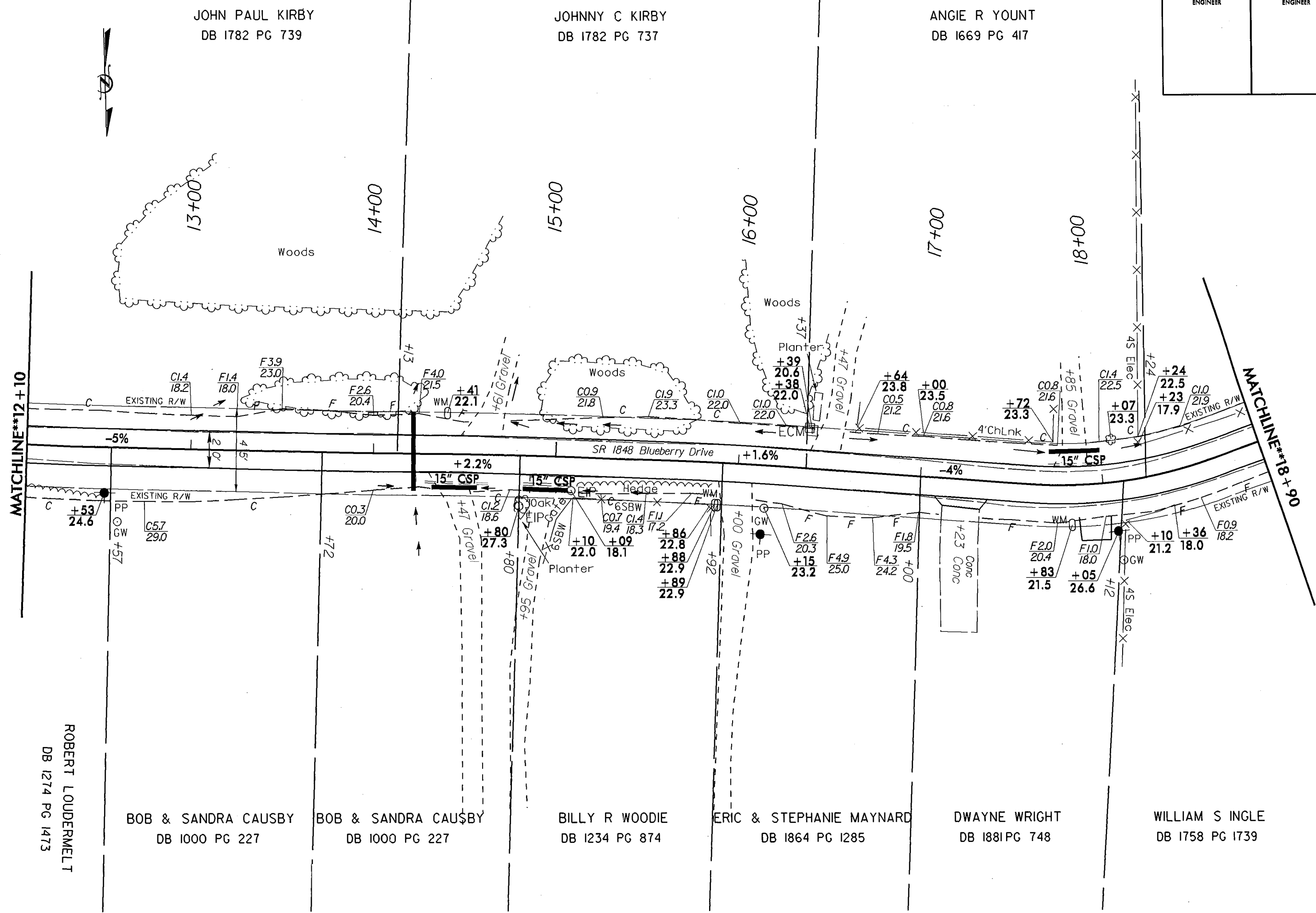
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PROJECT REFERENCE NO.	SHEET NO.
11C.014097	6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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JOHN PAUL KIRBY
DB 1782 PG 739

JOHNNY C KIRBY
DB 1782 PG 737

ANGIE R YOUNT
DB 1669 PG 417

MATCHLINE**12+10

MATCHLINE**18+90

ROBERT LOUDERMELT
DB 1274 PG 1473

BOB & SANDRA CAUSBY
DB 1000 PG 227

BOB & SANDRA CAUSBY
DB 1000 PG 227

BILLY R WOODIE
DB 1234 PG 874

ERIC & STEPHANIE MAYNARD
DB 1864 PG 1285

DWAYNE WRIGHT
DB 1881 PG 748

WILLIAM S INGLE
DB 1758 PG 1739



SR 1848 Blueberry Drive

-5%

+2.2%

+1.6%

-4%

15" CSP

15" CSP

15" CSP

EXISTING R/W

EXISTING R/W

+53
24.6

PP

OG

GW

C5.7
29.0

+57

C0.3
20.0

+72

C1.2
18.6

+80

+27.3

+80

+10

+09

22.0

18.1

+86

22.8

+88

22.9

+89

22.9

+92

+00

Gravel

PP

GW

F2.6
20.3

+15

23.2

F4.9
25.0

F4.3
24.2

+00

F1.8
19.5

+23

Conc

F2.0
20.4

+83

21.5

+05

26.6

F1.0
18.0

+12

45 Elec

WM

+10

21.2

OGW

+36

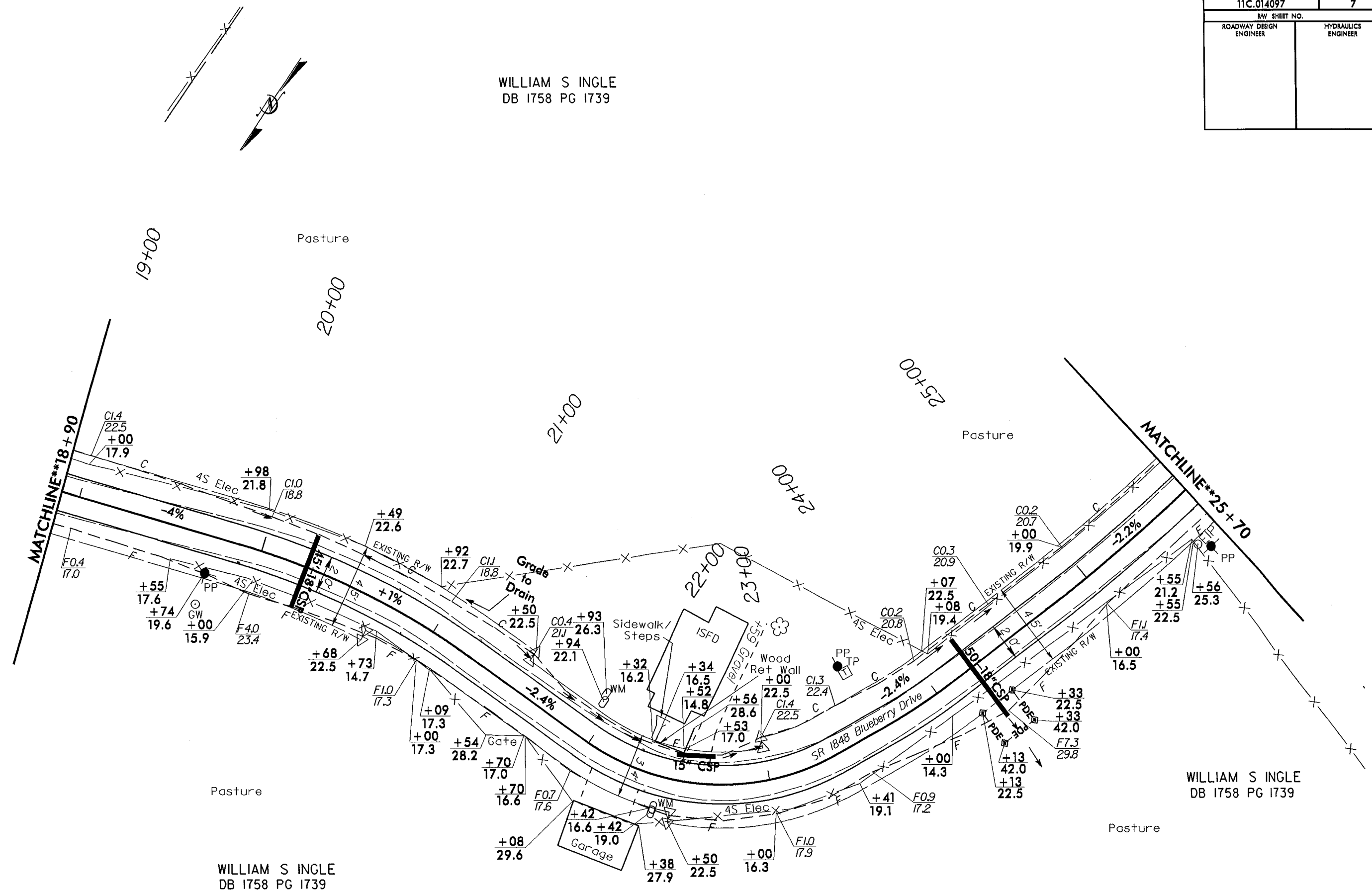
18.0

F0.9
18.2

PROJECT REFERENCE NO.	SHEET NO.
11C.014097	7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

WILLIAM S INGLE
DB 1758 PG 1739

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WILLIAM S INGLE



WILLIAM S INGLE
DB 1758 PG 1739

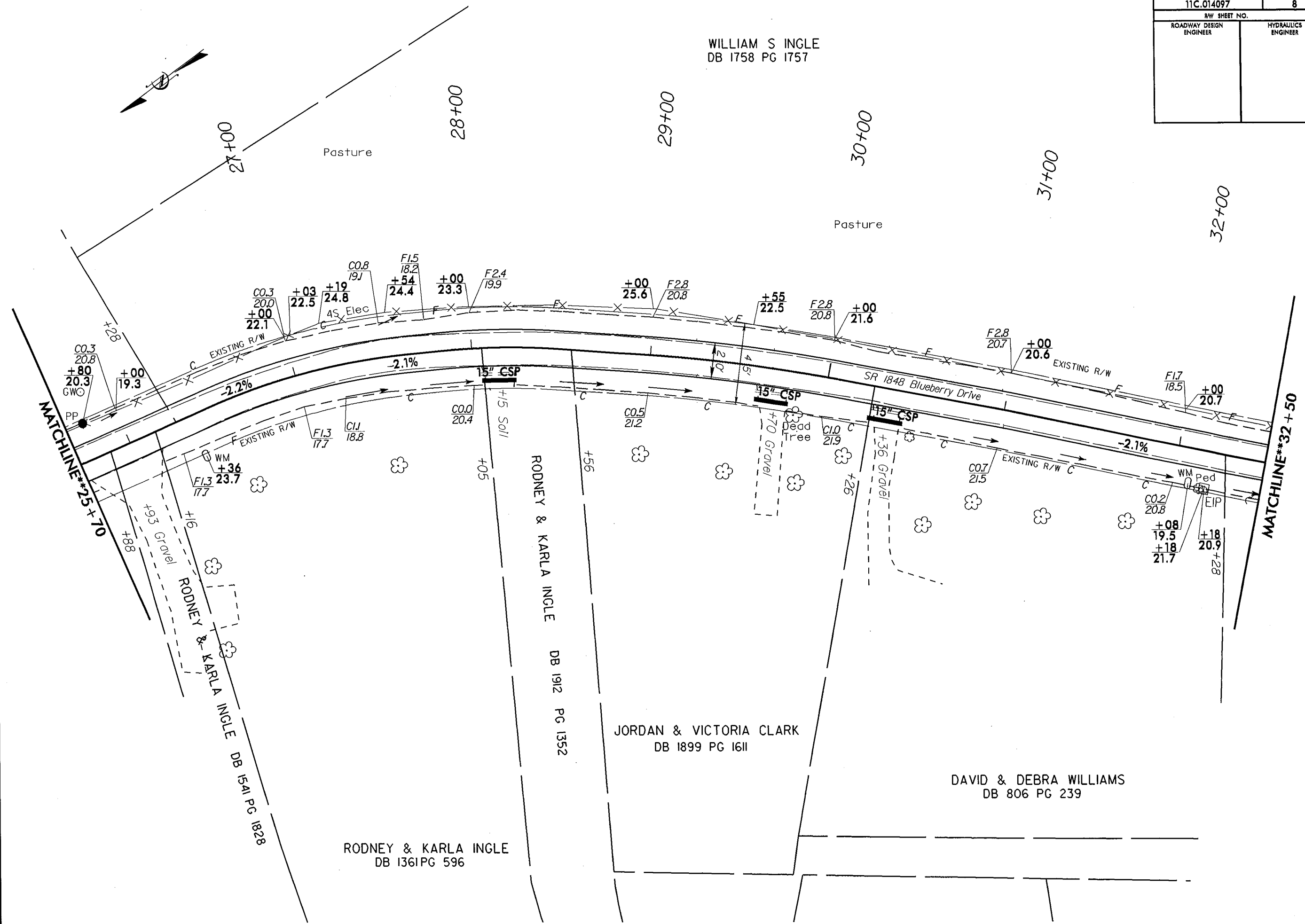
WILLIAM S INGLE
DB 1758 PG 1739

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
11C.014097	8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

WILLIAM S INGLE
DB 1758 PG 1757

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 REVISIONS
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 4:51 PM



MATCHLINE**25+70

MATCHLINE**32+50

Pasture
28+00

29+00

30+00

31+00

32+00

WM
+36
23.7

WM Ped
EIP
+18
20.9
+28

RODNEY & KARLA INGLE
DB 1541 PG 1828

RODNEY & KARLA INGLE
DB 1912 PG 1352

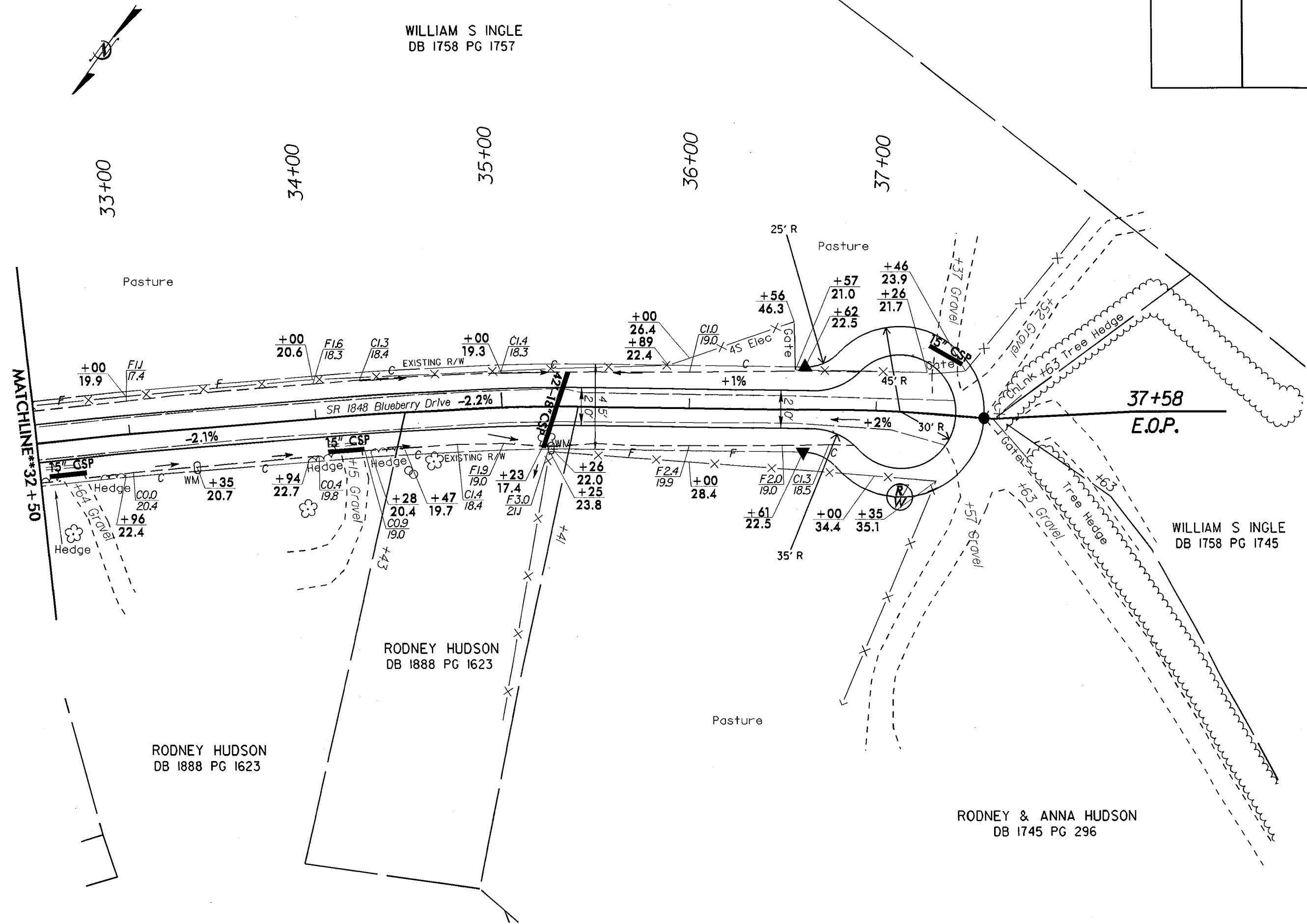
JORDAN & VICTORIA CLARK
DB 1899 PG 1611

DAVID & DEBRA WILLIAMS
DB 806 PG 239

RODNEY & KARLA INGLE
DB 1361 PG 596

PROJECT REFERENCE NO.	SHEET NO.
11C.014097	9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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WILLIAM S INGLE
DB 1758 PG 1757

WILLIAM S INGLE
DB 1758 PG 1745

RODNEY HUDSON
DB 1888 PG 1623

RODNEY HUDSON
DB 1888 PG 1623

RODNEY & ANNA HUDSON
DB 1745 PG 296