

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	11C.095108	1	23
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	

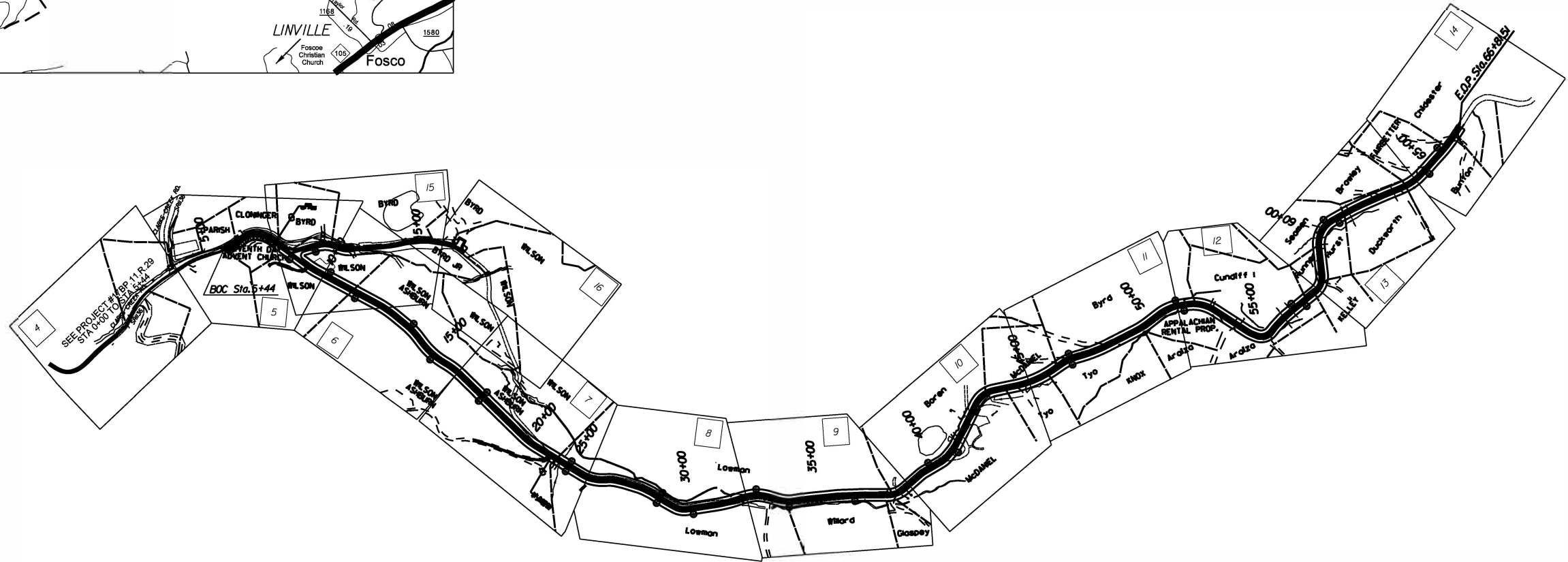
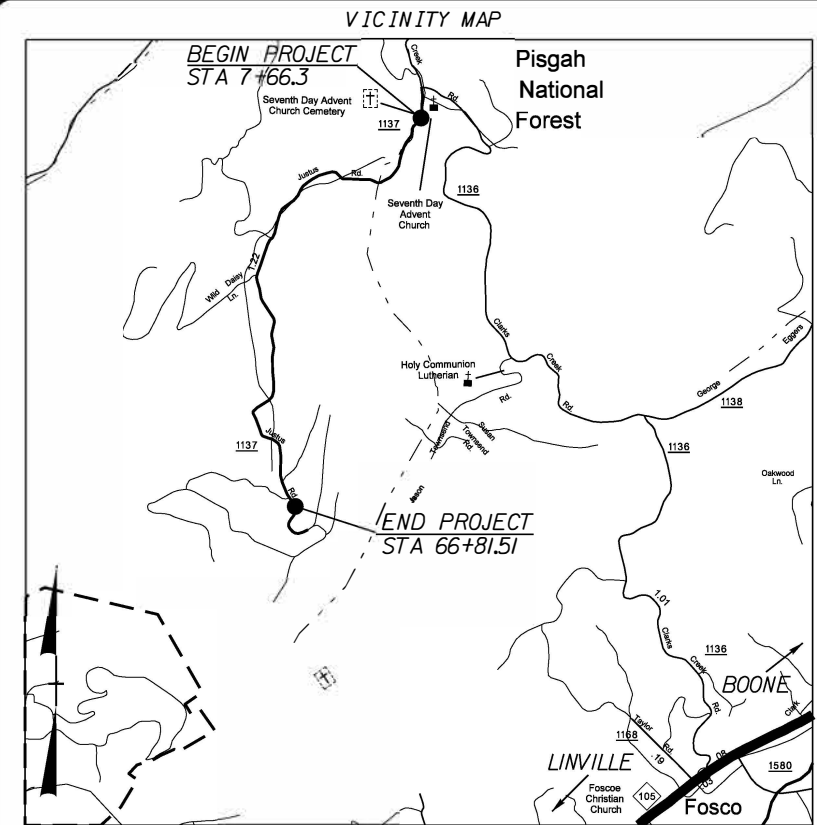
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WATAUGA COUNTY

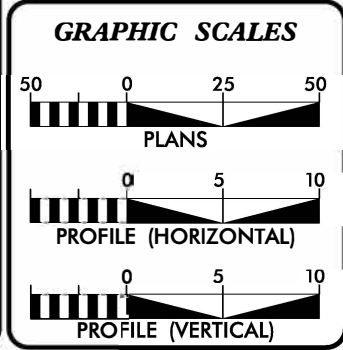
LOCATION: SR 1137 JUSTUS RD
FROM END OF PAVEMENT 1.27 MILES TO END OF MAINT.
STA 7+66.6 -L3- TO E.O.P. 66+81.51 -L-
STA 00+00 TO E.O.P. 6+90 -YI-
SEE Project#17BP.11.R.29 For Roadway Plans Sta 0+00 to 5+44

TYPE OF WORK: GRADING, DRAINAGE, AND BASE
- 1.19 MILES

BEGAN SURVEY: 06/29/15
END SURVEY: 04/18/19



CONTRACT: DK00332



DESIGN DATA

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

PROJECT LENGTH

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

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

2018 STANDARD SPECIFICATIONS

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

LETTING DATE: JUNE 16, 2022

I. DISHMAN P.E.
 DISTRICT ENGINEER

DIVISION ENGINEER

SIGNATURE: _____ P.E.

DISTRICT ENGINEER

SIGNATURE: _____ P.E.



17-MAY-2022 10:24 P:\Road Projects\Secondary\Watauga\SR1137_Justus Rd\Dgn\New Wilson Alignment\Plansheets\W1137_tsh_1.dgn
 \$\$\$USE RNAME\$\$\$

GENERAL NOTES

NOTE:
PROPERTY LINES ARE APPROXIMATE AND
PROJECTED FROM COUNTY TAX/GIS DATA.
ONLY CORNERS WITH STATION AND OFFSET
WERE LOCATED DURING SURVEY.

SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
1-C	SLOPE STAKE DATA
1-D	UTILITIES POLE DATA AND CENTER LINE SHIFT SHEET
2	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
3	SUMMARY OF QUANTITIES
3A	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)
3-PB	PLANTED BUFFER DETAIL SHEET
4 THRU 14	PLAN SHEETS
	PROFILE SHEET
EC-1 THRU EC-9	EROSION CONTROL PLANS
X-1 THRU X	CROSS-SECTIONS

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCGS FOR MONUMENT "SR1137-1"

WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF
NORTHING: 896335.0265(ft) EASTING: 1180747.5852(ft)
ELEVATION: 2928.9596(ft)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS:

THE N. C. LAMBERT GRID BEARING AND
LOCALIZED HORIZONTAL GROUND DISTANCE FROM
"SR1137-1" TO -L- STATION 6+00 IS
589.4363 ft N78°53'13"W

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

Point	North	East	Elevation	Station	Offset	Feature
1	896335.0265	1180747.5852	2928.9596	6+57.65	-57.7851	4017
2	896606.2535	1180379.8621	2890.8846	4+28.66	-206.5268	4017
3	891679.6706	1178931.9935	3559.6026	20+43.73	-399.6637	4017
4	892128.5323	1179044.5510	3586.9465	52+98.38	-1194.9230	4017
5	896288.3050	1180165.1910	2892.4260	7+36.98	-47.6480	4020
10	896395.8028	1180141.0945	2909.6240	6+55.98	34.7325	4020
11	895959.3954	1179951.4525	2911.4043	11+63.96	-14.0134	4020
12	895649.0458	1179697.7158	2933.7415	15+97.53	18.2879	4020
13	895672.0263	1179211.5816	2967.6748	20+91.36	-25.4007	4020
14	895702.0766	1178931.5004	3011.9561	24+11.98	19.9018	4020
15	895404.8708	1178689.0546	3048.2207	27+96.02	-14.0042	4020
16	895180.0569	1178519.9349	3083.6116	31+00.66	-10.9858	4020
17	894991.0289	1178428.1796	3106.3899	33+14.98	17.4606	4020
18	894778.1843	1178344.7480	3119.2853	35+40.66	13.0728	4020
19	894535.4368	1178255.0736	3135.5610	37+98.29	8.5698	4020
20	894292.4362	1178328.0558	3152.8000	40+53.27	-11.8871	4020
21	894088.3932	1178463.0195	3174.1949	43+01.49	2.6945	4020
22	893780.7310	1178448.9450	3209.7980	46+13.96	1.8140	4020
23	893489.0284	1178440.1574	3236.1541	49+06.57	12.6048	4020
24	893189.7043	1178473.2885	3266.9672	52+04.67	-17.7586	4020
25	893014.4687	1178217.5752	3305.0278	54+99.46	20.2177	4020
26	892717.4028	1178325.4545	3345.8857	58+03.83	8.5384	4020
27	892655.5315	1178536.3616	3361.2862	60+07.62	-30.0259	4020
28	892393.9922	1178528.4158	3405.3691	62+56.13	12.3003	4020
29	892180.0144	1178552.9025	3443.2391	64+69.64	10.8329	4020

8/17/99

02-JUL-2020 08:50
A:\W\1127\1127.dgn
\$\$\$\$\$

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

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	○ _{EP}
Property Corner	-----
Property Monument	□ _{ECM}
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	-w.l.b.-
Proposed Wetland Boundary	w.l.b.
Existing Endangered Animal Boundary	-e.a.b.-
Existing Endangered Plant Boundary	-e.p.b.-

BUILDINGS AND OTHER CULTURE:

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

HYDROLOGY:

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

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	○ _{MILEPOST 35}
Switch	□ _{SWITCH}
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

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:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	----- _C
Proposed Slope Stakes Fill	----- _F
Proposed Wheel Chair Ramp	----- _{WCR}
Proposed Wheel Chair Ramp Curb Cut	----- _{WCC}
Curb Cut for Future Wheel Chair Ramp	----- _{CCFR}
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	-----

VEGETATION:

Single Tree	○
Single Shrub	○
Hedge	-----
Woods Line	-----
Orchard	-----
Vineyard	----- _{Vineyard}

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	----- _{CONC}
Bridge Wing Wall, Head Wall and End Wall	----- _{CONC WW}
MINOR:	
Head and End Wall	----- _{CONC HW}
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	□ _{CB}
Paved Ditch Gutter	-----
Storm Sewer Manhole	○ _S
Storm Sewer	----- _S

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	□ _{PH}
H-Frame Pole	-----
Recorded U/G Power Line	----- _P
Designated U/G Power Line (S.U.E.*)	----- _P

TELEPHONE:

Existing Telephone Pole	●
Proposed Telephone Pole	○
Telephone Manhole	⊕
Telephone Booth	□
Telephone Pedestal	⊕
Telephone Cell Tower	⊕
U/G Telephone Cable Hand Hole	□ _{PH}
Recorded U/G Telephone Cable	----- _T
Designated U/G Telephone Cable (S.U.E.*)	----- _T
Recorded U/G Telephone Conduit	----- _{TC}
Designated U/G Telephone Conduit (S.U.E.*)	----- _{TC}
Recorded U/G Fiber Optics Cable	----- _{T FO}
Designated U/G Fiber Optics Cable (S.U.E.*)	----- _{T FO}

WATER:

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	----- _{A/G Water}

TV:

TV Satellite Dish	⊕
TV Pedestal	⊕
TV Tower	⊗
U/G TV Cable Hand Hole	□ _{PH}
Recorded U/G TV Cable	----- _{TV}
Designated U/G TV Cable (S.U.E.*)	----- _{TV}
Recorded U/G Fiber Optic Cable	----- _{TV FO}
Designated U/G Fiber Optic Cable (S.U.E.*)	----- _{TV FO}

GAS:

Gas Valve	◇
Gas Meter	⊕
Recorded U/G Gas Line	----- _G
Designated U/G Gas Line (S.U.E.*)	----- _G
Above Ground Gas Line	----- _{A/G Gas}

SANITARY SEWER:

Sanitary Sewer Manhole	⊕
Sanitary Sewer Cleanout	⊕
U/G Sanitary Sewer Line	----- _{SS}
Above Ground Sanitary Sewer	----- _{A/G Sanitary Sewer}
Recorded SS Forced Main Line	----- _{FSS}
Designated SS Forced Main Line (S.U.E.*)	----- _{FSS}

MISCELLANEOUS:

Utility Pole	●
Utility Pole with Base	□
Utility Located Object	○
Utility Traffic Signal Box	⊕
Utility Unknown U/G Line	----- _{UTIL}
U/G Tank; Water, Gas, Oil	□
A/G Tank; Water, Gas, Oil	□
U/G Test Hole (S.U.E.*)	⊕
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

7/2/99

ENTERED BY: Chad Sheets DATE: 9/21/2015
 CHECKED BY: DATE:
 REVISIONS
 DATE:

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

PROJECT REFERENCE NO. IIC.095108 SHEET NO. 1-D

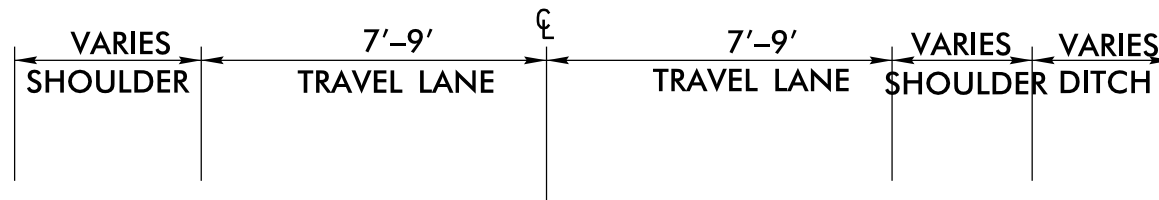
POLE DATA SHEET

**CENTERLINE
 SHIFT STA'S**

OWNER OF THE POLE LINE: Blue Ridge Electric								OWNER OF THE POLE LINE: Charter								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					
6+99			13		13		22.5	1OHGW	21+25		25		25		25		ITC	1+00	7.0	33+00	
									25+15		17		17		22.5		GW	2+00	6.0	34+00	
25+15		17		17		22.5		GW	25+15		37		37		37		1PED,ITC	3+00	7.0	35+00	
25+15		37		37		37		2PC	27+40		23		23		23		2TC	4+00	7.0	36+00	
27+40		23		23		23		2PC	36+88			19.2		19.2		22.5	2TC	B.O.P. 5+44	4.0	38+00	1.0
36+30		7.2		7.2		22.5		GW	38+88		22.1		22.1		22.1		1TC	6+00	1.0	39+00	7.0
36+88			19.2		19.2		22.5	4PC,GW	42+64			30		30		30	2TW	7+00	3.0	40+00	5.0
38+88		22.1		22.1		22.5		2OHGW	42+70		15.5		15.5		22.5		2TW	8+00	RD	41+00	6.0
38+90			11.3		11.3		22.5	GW	43+10		39		39		39		1PED,ITC,ITW	9+00	RD	42+00	2.0
38+90			2.5		2.5		22.5	1OHGW	43+15		47		47		47		GW	10+00	RD	43+00	9.0
42+64			30		30		30	2PW,1ST LIGHT	43+15		47		47		47		GW	10+50	RD	3.0	43+50
42+70		15.5		15.5		22.5		2PW	45+48		55		55		55		1TW	11+00	RD	2.0	44+00
43+10		39		39		39		2PW,2PC,TRANS	42+70		15.5		15.5		22.5		1TC	12+00	RD	2.0	45+00
43+15		47		47		47		GW	48+75			18		18		22.5	1TC,2PED	13+00	RD	46+00	3.0
45+48		55		55		55		1PC	48+93		27		27		27		GW	14+00	RD	47+00	4.0
46+80		30		30		30		GW	52+89		22		22		22.5		2TW,ITC,GW	15+00	RD	48+00	1.0
46+98		58		58		58		2PW,1TRANS	46+80		30		30		45		2TC	16+00	RD	4.0	49+00
48+75			18		18		22.5	2PW,1PED	57+75			45		45		45	2TC	16+50	RD	7.0	50+00
48+93		27		27		27		GW	48+75		22.5		22.5		22.5		2PW,1PED	17+00	RD	6.0	51+00
52+89		22		22		22.5		1TRANS,3PC,1PW,GW	48+93		27		27		27		GW	17+50	RD	52+00	1.0
57+75		45		45		45		2PC,GW	52+89		22		22		22.5		1TC	18+00	RD	53+00	1.0
58+61		20		20		22.5		GW	57+75			45		45		45	1TC,2TGW	19+00	RD	54+00	
58+78		12		12		22.5		1TRANS,2PW,1PC	58+78			12		12		22.5	1TC	20+00	RD	7.0	55+00
61+87		45		45		45		2GW,2PW,1TRANS	61+87		45		45		45		1TC	21+00	RD	7.0	56+00
63+97			22.5		22.5		22.5	1TRANS, PED	64+01			17		17		22.5	1TC	22+00	RD		57+00
64+01			17		17		22.5	GW,2PW,1PC,1TRANS	63+97									23+00	RD	58+00	2.0
									64+01									24+00	RD	59+00	6.0
																		25+00	1.0	60+00	3.0
																		26+00	5.0	61+00	
																		27+00	7.0	62+00	
																		28+00	6.0	63+00	
																		29+00	7.0	64+00	
																		30+00	8.0	65+00	
																		31+00	8.0	66+00	
																		5.0	32+00	E.O.P.	66+81.51

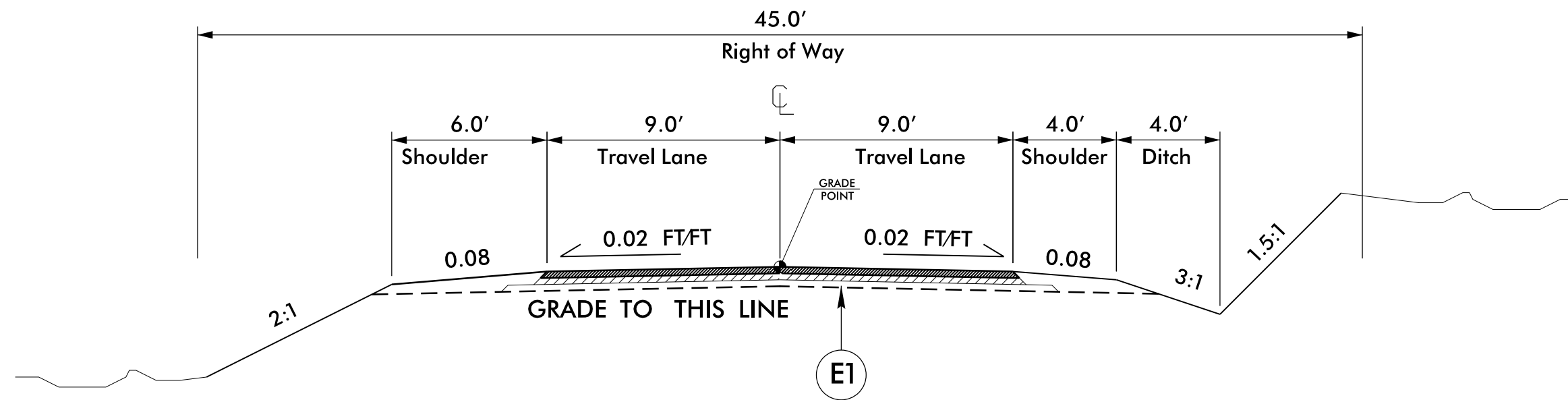
02 JUL 2020 08:47
 C:\Road\Projects\Secondary\Watauga\SR1137\Justus Rd\Dgn\New Wilson Alignment\Plansheets\SR1137_Poledata_ID.dgn

PROJECT REFERENCE NO. 11C.095108	SHEET NO. 2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

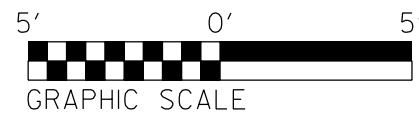


**14'-18' EXISTING TYPICAL SECTION
SR 1137**

* NOTE: ONLY 6" AGGREGATE BASE COURSE AS DIRECTED BY ENGINEER



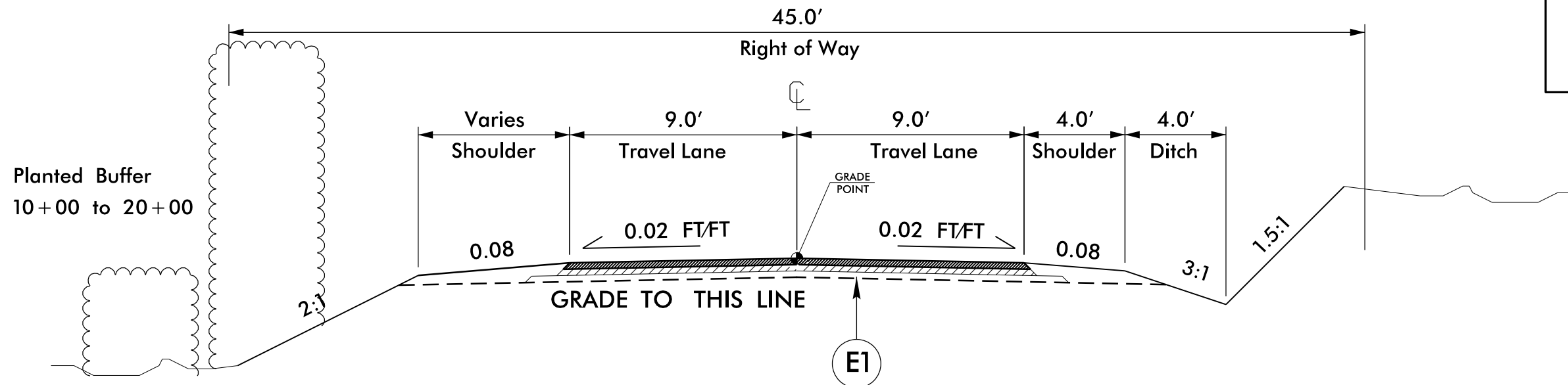
TYPICAL SECTION NO. 1



E1 PROP. APPROX. 6" AGGREGATE BASE COURSE.

PROJECT REFERENCE NO.	SHEET NO.
11C.095108	2-1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

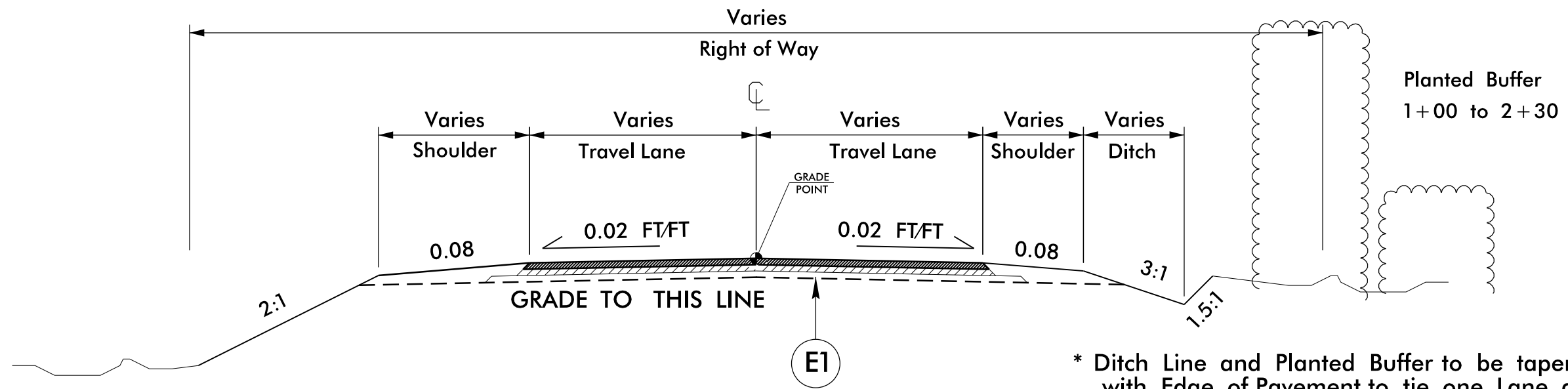
* NOTE: ONLY 6" AGGREGATE BASE COURSE AS DIRECTED BY ENGINEER



TYPICAL SECTION NO. 2

STATIONS 10+00 to 20+00

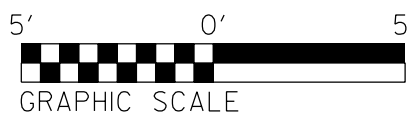
* NOTE: ONLY 6" AGGREGATE BASE COURSE AS DIRECTED BY ENGINEER



TYPICAL SECTION NO. 3

-Y- STATIONS 0+00 to 6+80

* Ditch Line and Planted Buffer to be tapered parallel with Edge of Pavement to tie one Lane at Bridge.



E1 PROP. APPROX. 6" AGGREGATE BASE COURSE.

6/2/09
 I:\MAY-2022 10:07
 P:\Road\Projects\Secondary\Watauga\SR1137_Justus Rd\Dgn\New Wilson Alignment\Plansheets\W1137_typ-2.dgn
 P:\Road\Projects\Secondary\Watauga\SR1137_Justus Rd\Dgn\New Wilson Alignment\Plansheets\W1137_typ-2.dgn

12/06/05
 ENTERED BY: JC DATE: 06/12/13
 CHECKED BY: DATE:
 DATE: REVISIONS

PROJECT REFERENCE NO. SHEET NO.
 IIC.095108 3-B

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

RIGHT OF WAY DATA SHEET

PARCEL NO.	PROPERTY OWNERS NAME	ADDRESS	CITY	STATE	ZIP	DEED BOOK / PAGE	NCPIN	PARCEL NO.	PROPERTY OWNERS NAME	ADDRESS	CITY	STATE	ZIP	DEED BOOK / PAGE	NCPIN
1	DONALD CHARLES & SANDRA GOLDEN PARISH	127 JUSTUS RD	BANNER ELK	NC	28604	354/398	1889061485								
2	LESLIE C. CLONINGER	157 JUSTUS RD	BANNER ELK	NC	28604	1120/213	1889061287								
3	SEVENTH DAY ADVENT CHURCH	2701 E WT HARRIS BLVD	CHARLOTTE	NC	28213	000/000	1889060334								
4	THELMA R. BYRD	213/215 JUSTUS RD	BANNER ELK	NC	28604	2021/404	1889060098								
5	JOHNNY M. BYRD LIFE ESTATE ELLA MAE BYRD LIFE ESTATE JOHNNY M. JR. BYRD	311 JUSTUS RD	BANNER ELK	NC	28604	986/185	1889051733								
6	HILLARY WILSON	410 JUSTUS RD	BANNER ELK	NC	28604	1622/675	1879968391								
7	WILLIAM IRA WILSON CAROLYN B. ASHBURN	410 JUSTUS RD	BANNER ELK	NC	28604	023/076	1879961110								
8	WILLIAM IRA WILSON	410 JUSTUS RD	BANNER ELK	NC	28604	1000/551	1879955723								
9	CAROLYN B. ASHBURN	PO BOX 957	SALUDA	NC	28773	1000/554	1879953373								
10	WILLIAM WILSON IRA CAROLYN B. ASHBURN	410 JUSTUS RD	BANNER ELK	NC	28604	1133/577	1879950647								
11	JAMES G. LOWMAN REVOCABLE LIVING TRUST	PO BOX 591	VALLE CRUCIS	NC	28691	1209/492	1879756370								
12	DAVID R. WILLARD	681 HAMEL AVE	GLENSIDE	PA	19038	1709/296	1879841735								
13	GORDON GLASPEY	300 S FIRESTONE ST APT 443	GASTONIA	NC	28052	1703/419	1879748476								
14	DOYLE BOREN	775 JUSTUS RD	BANNER ELK	NC	28604	1236/636	1879846373								
15	ALETA A MCDAINEL	804 JUSTUS RD	BANNER ELK	NC	28604	1487/369	1879841203								
15A	ALETA A MCDAINEL	65 HANES RD	NEWLAND	NC	28657	1536/070	1879835807								
16	RANDY S TYO	2874 NE SEWALLS LANDING WAY	JENSEN BEACH	FL	34957	1477/123	1879831801								
16	SHERYL A TYO	2874 NE SEWALLS LANDING WAY	JENSEN BEACH	FL	34957	1544/200	1879833676								
17	HOWARD & BLANCH BYRD	140 R J ALDRIDGE RD	BANNER ELK	NC	28604	91/186	1879835378								
18	JAMES KNOX	PO BOX 553	VALLE CRUCIS	NC	28691	1847/724	1879832498								
19	APPALACHIAN RENTAL PROP.	7917 PEACEFUL PAR DRIVE	SARASOTA	FL	34241	1811/187	1879833273								
20	JORGE ARAIZA	125 WATERLEAF WAY	BANNER ELK	NC	28604	1588/282	1879832332								
21	JAMES I CUNDIFF	222 HUNTINGTON DR	CHAPEL HILL	NC	27514	1176/210	1879823987								
22	BRAD KELLEY	154 NETTLES RIDGE RD	BANNER ELK	NC	28604	1972/311	1879822629								
23	LISA RUNNER	155 NETTLES RIDGE RD	BANNER ELK	NC	28604	1711/563	1879824619000								
24	MARK HURST LIVING TRUST	155 KEETH DR	BANNER ELK	NC	28604	713/805	1879823539								
25	RALPH N SEAMON	195 NETTLES RIDGE RD	BANNER ELK	NC	28604	1193/864	1879825788								
26	KAY BRAWLEY	PO BOX 179	BARIIUM SPRINGS	NC	28010	1733/584	1879826442								
27	RONNIE & DEBRA DUCKWORTH	421 SEVEN DEVILS RD	BANNER ELK	NC	28604	357/183	1879823336								
28	GEORGE & JOSEPHINE BUNTON	318 NETTLES RIDGE RD	BANNER ELK	NC	28604	121/180	1879823049								
29	WILLIAM FAIRBETTER	393 SKYLAND VIEW DR	BLOWING ROCK	NC	28605	1837/224	1879826136								
30	ANDREW CHIDESTER	423 NETTLES RIDGE RD	BANNER ELK	NC	28604	1641/001	1879817982								
31	JOHNNY M BYRD JR	311 JUSTUS RD	BANNER ELK	NC	28604	1499/542	1879957774								
29	JOHNNY & ELLA MAE LIFE ESTATE JEANA BYRD	311 JUSTUS RD	BANNER ELK	NC	28604	986/195	1879958792								

02-JUL-2020 08:52
 \\WAL137-5B-1090
 44444444444444444444

6/21/00

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

PROJECT REFERENCE NO. IIC.095108 SHEET NO. 3C

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

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

STATION	LOCATION (L,T,RT,OR CL)	TYPE B DRAINAGE PIPE (RCP, CSP, CAAP, HDDE OR PVC) (UNLESS NOTED OTHERWISE)								EXISTING PIPES								PIPE REMOVAL LIN.FT.	Manhole Frame and Cover STD. 840.54	TB Drainage Structure STD. 840.46	TB F & G STD 840.36	REMARKS
		NEW PIPES																				
		12"	15"	18"	24"	30"	36"	42"	72"	12"	15"	18"	24"	30"	36"	42"	72"					
-L3- 8+98	CL			50'																		ADD PIPE
-L3- 19+50	CL			40'																		ADD PIPE
-DR2- 00+17	CL			25'																		ADD DRIVE PIPE
-DR1- 00+17	CL			20'																		ADD DRIVE PIPE
-Y1- 00+54	CL				45'							40'						40'				REPLACE WET PIPE
-Y1- 3+86	CL				34'					108'								36'	1	1		ONLY REPLACE 36' OF PIPE ADD D.I.
-Y1- 4+39	LT			92'															1	1		ADD PIPE AND D.I.
-Y1- 5+17	LT										40'											DO NOT DISTURB
-Y1- 5+59	LT			147'															1	1		ADD PIPE AND D.I.
-L- 24+59	CL			35'							32'							32'				REPLACE WET PIPE
-L- 28+20	CL			40'																		ADD PIPE
-L- 31+76	CL							65'							45'			45'				REPLACE WET PIPE
-L- 36+90	CL			42'							29'							29'				REPLACE WET PIPE
-L- 37+83	CL			60'								61'						61'				REPLACE WET PIPE
-L- 41+33	CL				55'							40'						40'	1	1		REPLACE WET PIPE ADD JUNCTION BOX
-L- 41+21	LT		25'							24'								24'				REPLACE PIPE
-L- 42+17	RT				115'						150'							150'	1	1		REPLACE WET PIPE ADD JUNCTION BOX
-L- 42+17	LT		45'							39'								39'				REPLACE PIPE
-L- 42+82	RT				21'														1	1		ADD WET PIPE AND JUCTION BOX
-L- 43+18	RT										36'											DO NOT DISTURB
-L- 44+37	CL			45'																		ADD PIPE
-L- 46+37	LT		50'								49'							49'				REPLACE PIPE
-L- 47+99	LT									29'								29'				REMOVE PIPE
-L- 48+14	CL			45'																		ADD PIPE
-L- 51+52	CL					50'						36'						36'				REPLACE WET PIPE
-L- 52+67	LT		20'																			ADD PIPE
-L- 53+50	RT			75'																		ADD PIPE
SHEET TOTALS				185'	611'	330'	50'	65'		63'	137'	336'	141'	36'	45'			610'	3	6	3	

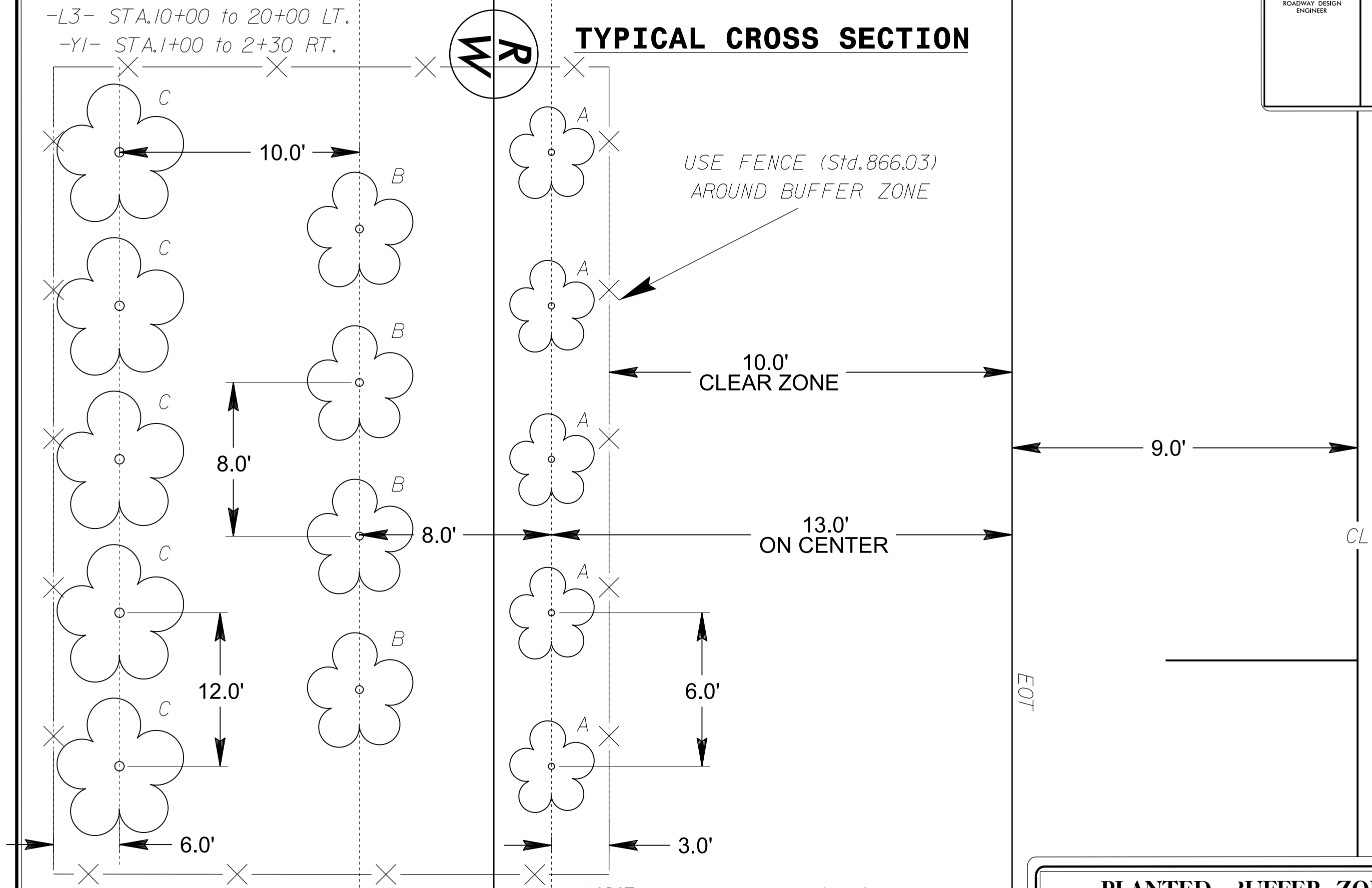
17-MAY-2022 10:08
 I:\PROJECTS\2022\IIC\IIC.095108\Sheet_3C.dgn

PROJECT REFERENCE NO. IIC.095108	SHEET NO. PB-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Revised: 07-01-2020

USE PLANTED BUFFER ZONE
 -L3- STA.10+00 to 20+00 LT.
 -Y1- STA.1+00 to 2+30 RT.

TYPICAL CROSS SECTION



Row A = Rhododendron Maximus
 Row B = American Holly
 Row C = Thuja Green Giants

*NCDOT approved wetland species (live stakes) to be used where buffer area crosses wetlands as needed.
 *Buffer areas are to be clear cut.

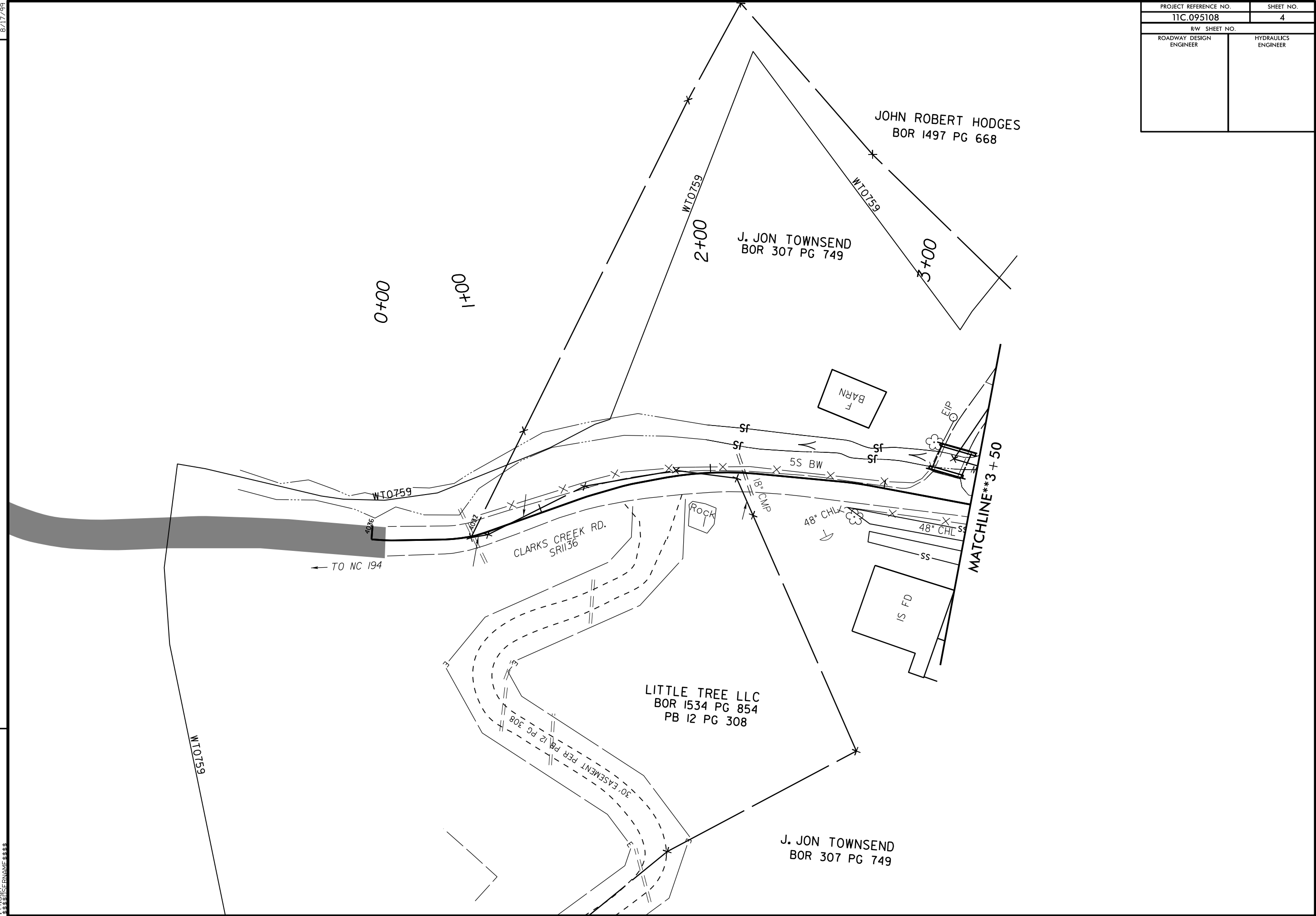
PLANTED BUFFER ZONE
DETAIL SHEET
 N.C.D.O.T. - ROADSIDE ENVIRONMENTAL UNIT

PROJECT REFERENCE NO.	SHEET NO.
11C.095108	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS
REVISED 6-16-21: ADDED BOUNDARY FOR HISTORICAL DISTRICT

16-JUN-2021 11:00
A:\PROJECTS\11C.095108\11C.095108.DWG



PROJECT REFERENCE NO.	SHEET NO.
11C.095108	5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

REVISED 6-16-21: ADDED BOUNDARY FOR HISTORICAL DISTRICT AND CALLOUTS FOR HISTORICAL PROPERTIES

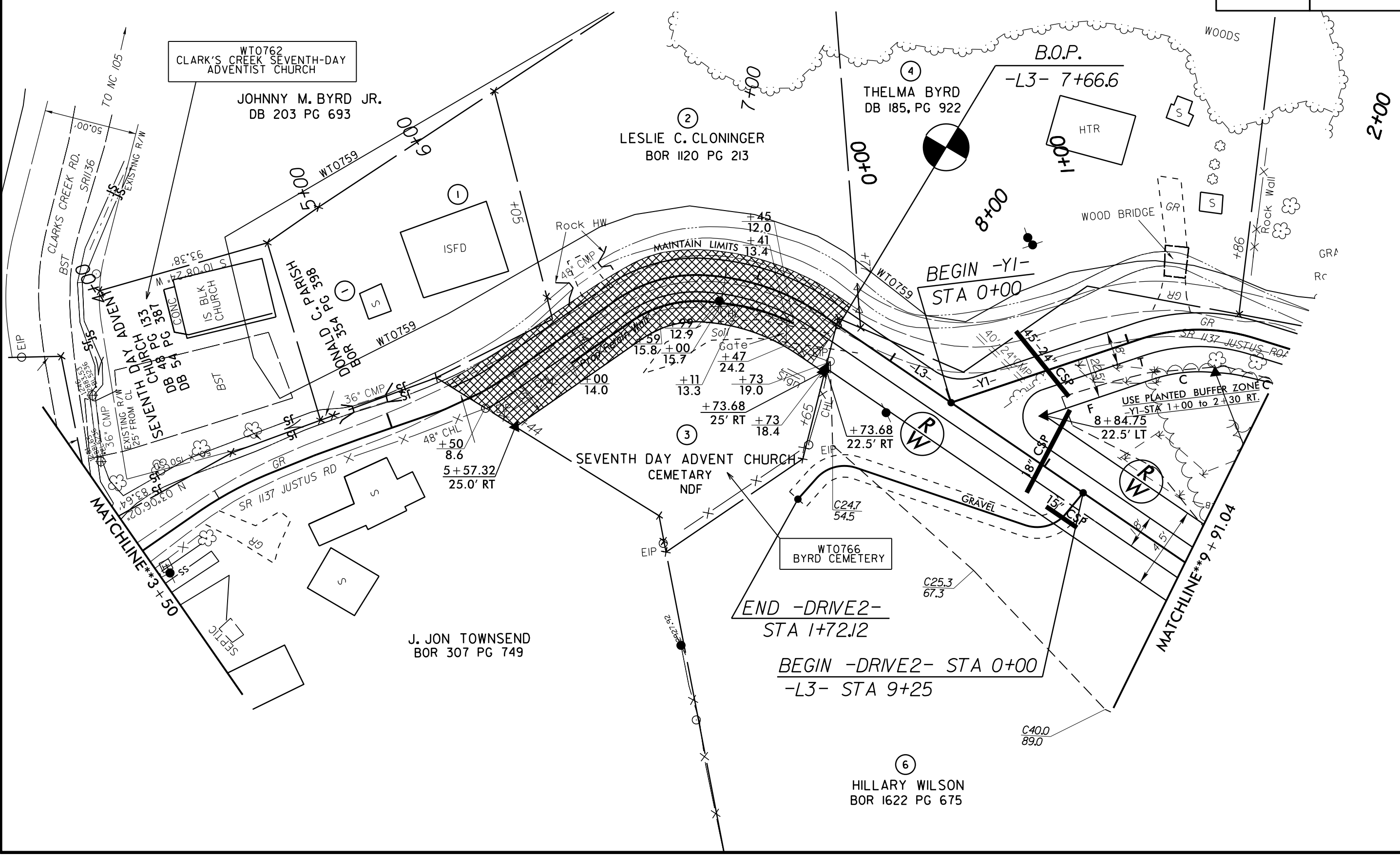
REVISED 2-3-22: CHANGED R/W FROM 22.5' TO 25' ON PARCEL NO.3

REVISED 5-17-22: REVISED B.O.P. AND REMOVED DRIVE PIPE AT CEMETARY.

8/17/99

17-MAY-2022 10:05

A.C. SHERMAN

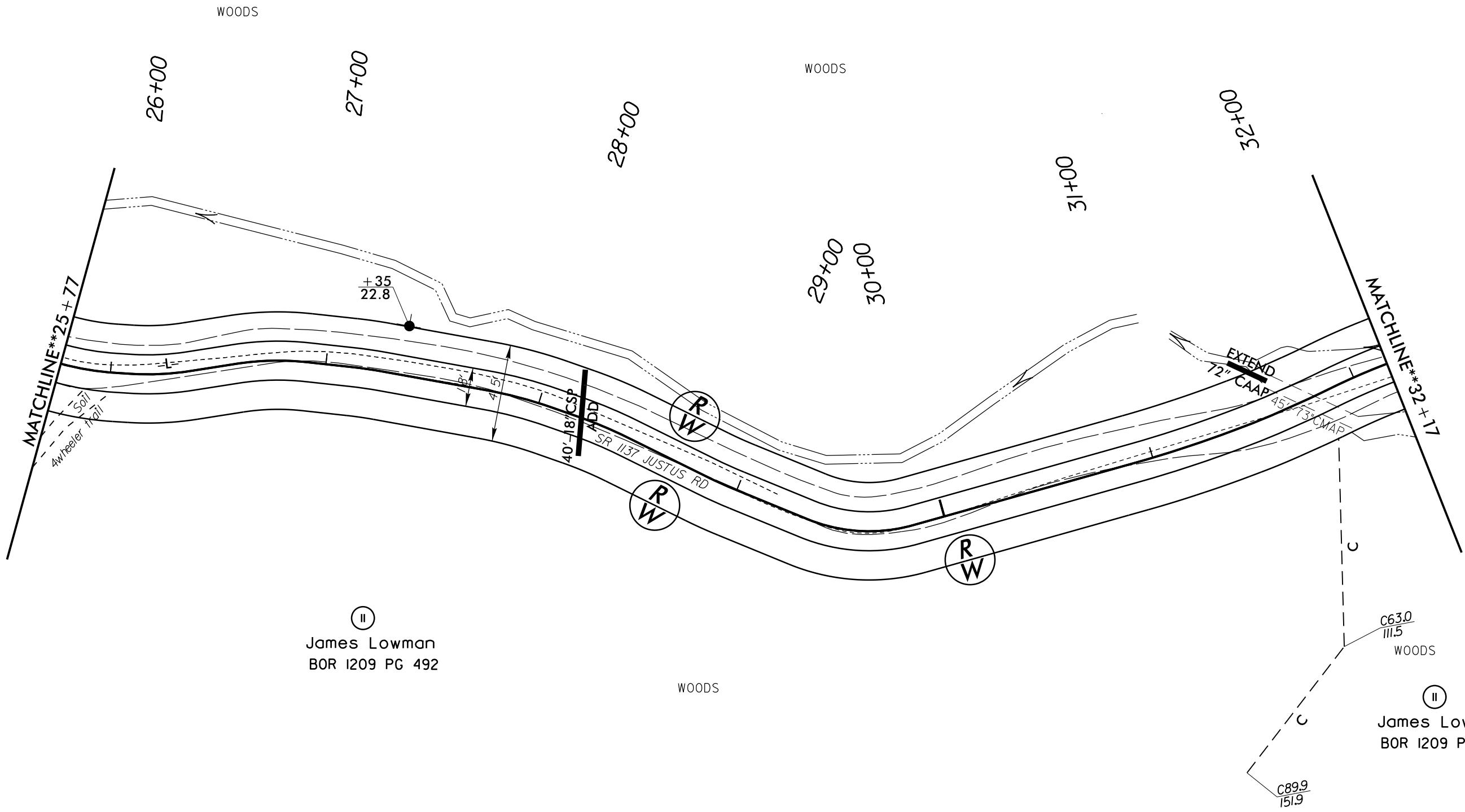


PROJECT REFERENCE NO.	SHEET NO.
11C.095108	8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

8/17/99

02-JUL-2020 09:04
A:\PROJECTS\11C\11C.DWG

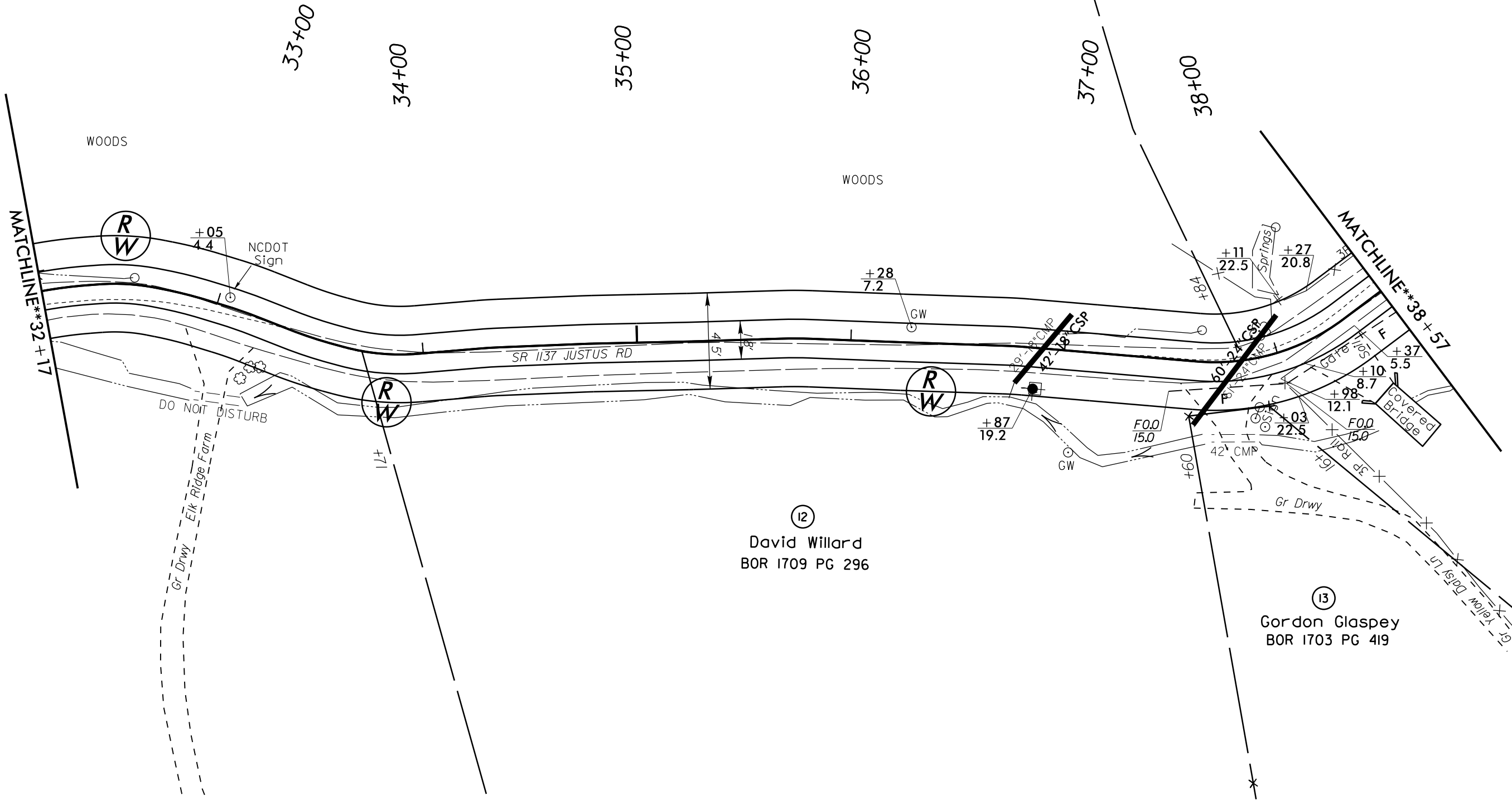


PROJECT REFERENCE NO.	SHEET NO.
11C.095108	9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

James Lowman
BOR 1209 PG 492

David Willard
BOR 1709 PG 296

Gordon Glaspey
BOR 1703 PG 419



REVISIONS

8/17/99

02-JUL-2020 09:05
A:\PROJECTS\11C\11C095108\11C095108.dwg

PROJECT REFERENCE NO.	SHEET NO.
11C.095108	10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

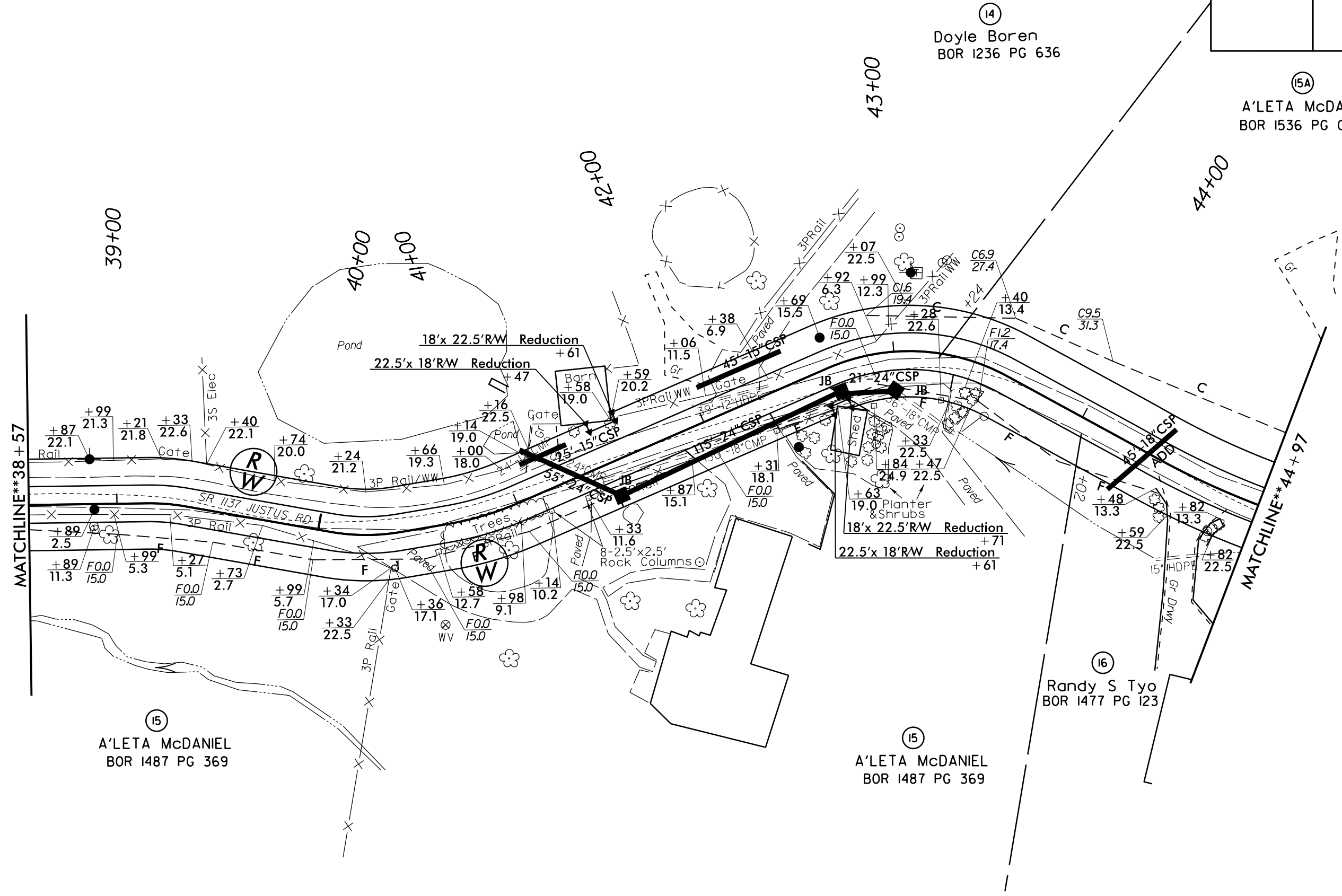
(14)
Doyle Boren
BOR 1236 PG 636

(15A)
A'LETA McDANIEL
BOR 1536 PG 070

(16)
Randy S Tyo
BOR 1477 PG 123

(15)
A'LETA McDANIEL
BOR 1487 PG 369

(15)
A'LETA McDANIEL
BOR 1487 PG 369



REVISIONS

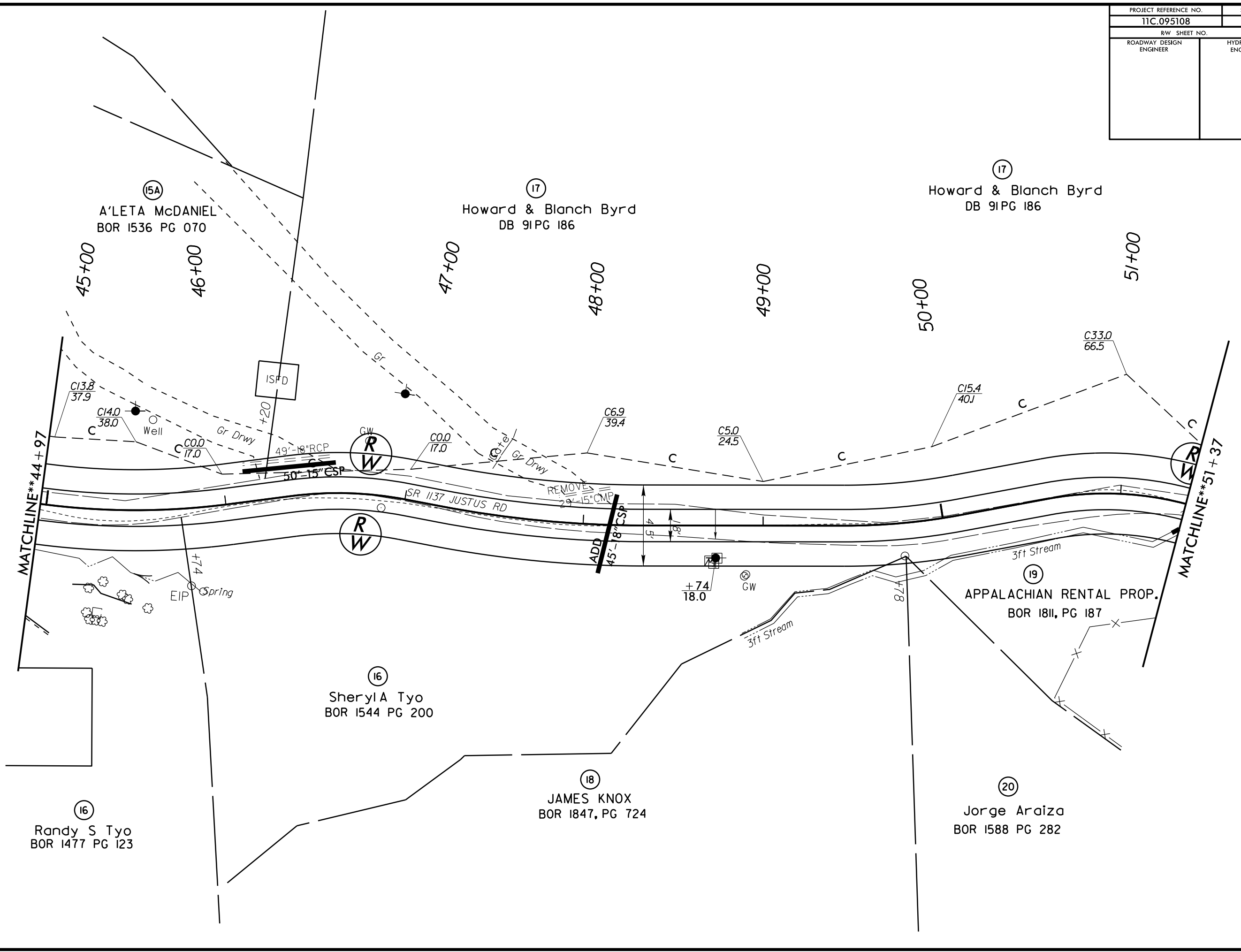
8/17/99

02 JUL 2020 09:06
A:\11C\11C095108\11C095108.dwg

PROJECT REFERENCE NO.	SHEET NO.
11C.095108	11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

8/17/99

REVISIONS

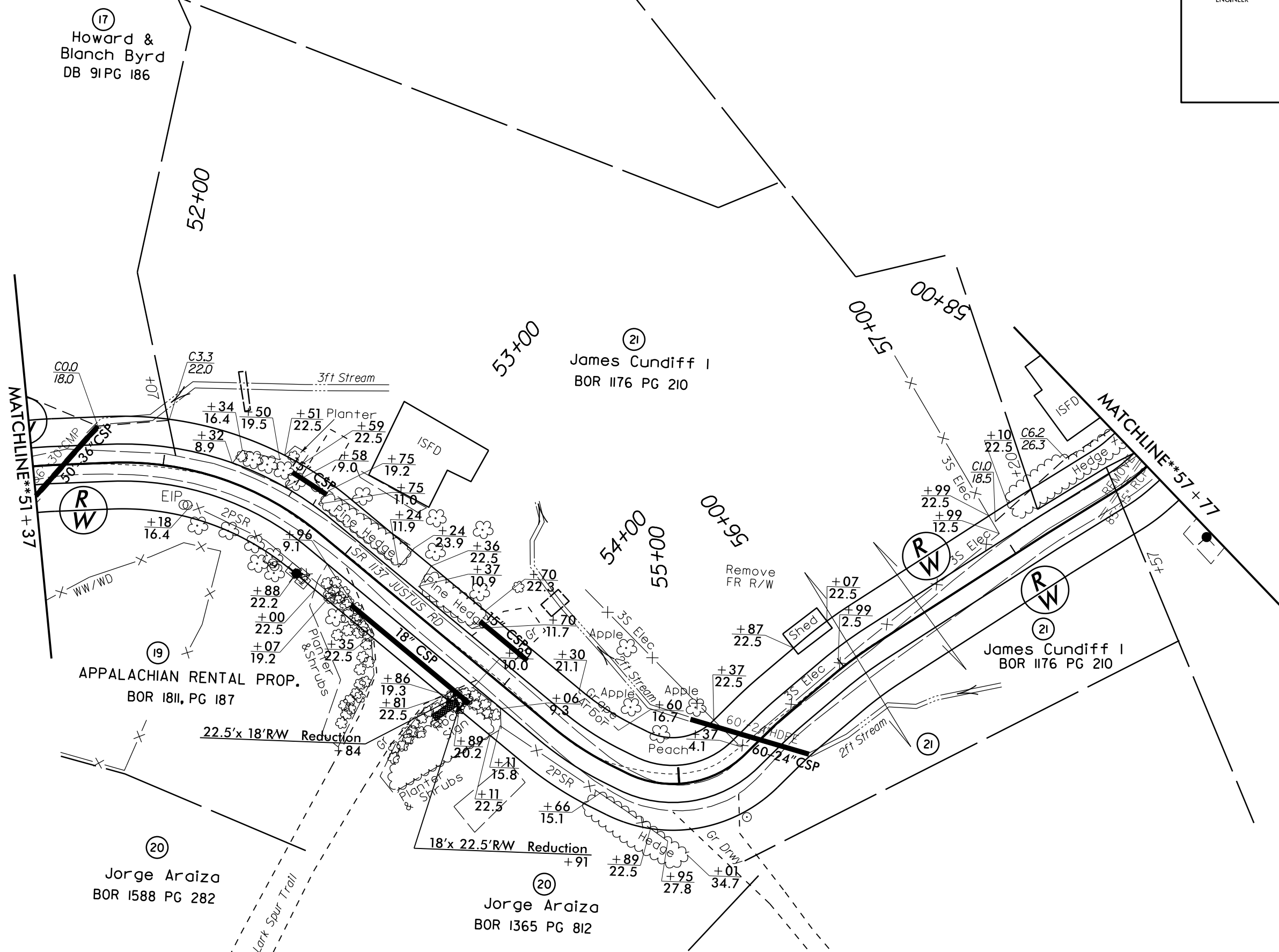


02-JUL-2020 09:07
 A:\11C\11C095108\11C095108.dwg
 A:\11C\11C095108\11C095108.dwg

PROJECT REFERENCE NO.	SHEET NO.
11C.095108	12
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

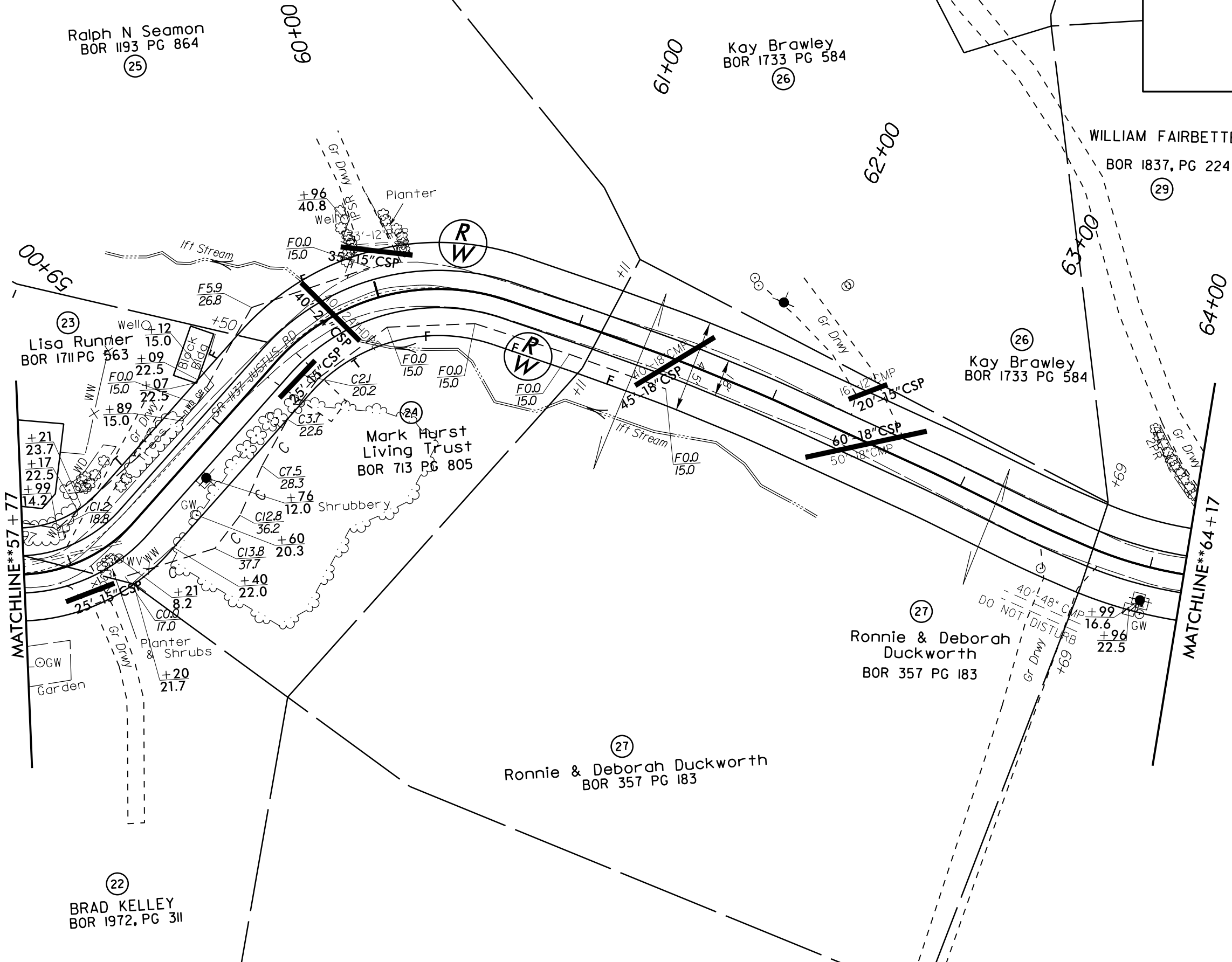
REVISIONS

8/17/99



02-JUL-2020 09:08
A:\12\12C\12C\11C\11C.095108.dwg

PROJECT REFERENCE NO.	SHEET NO.
11C.095108	13
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

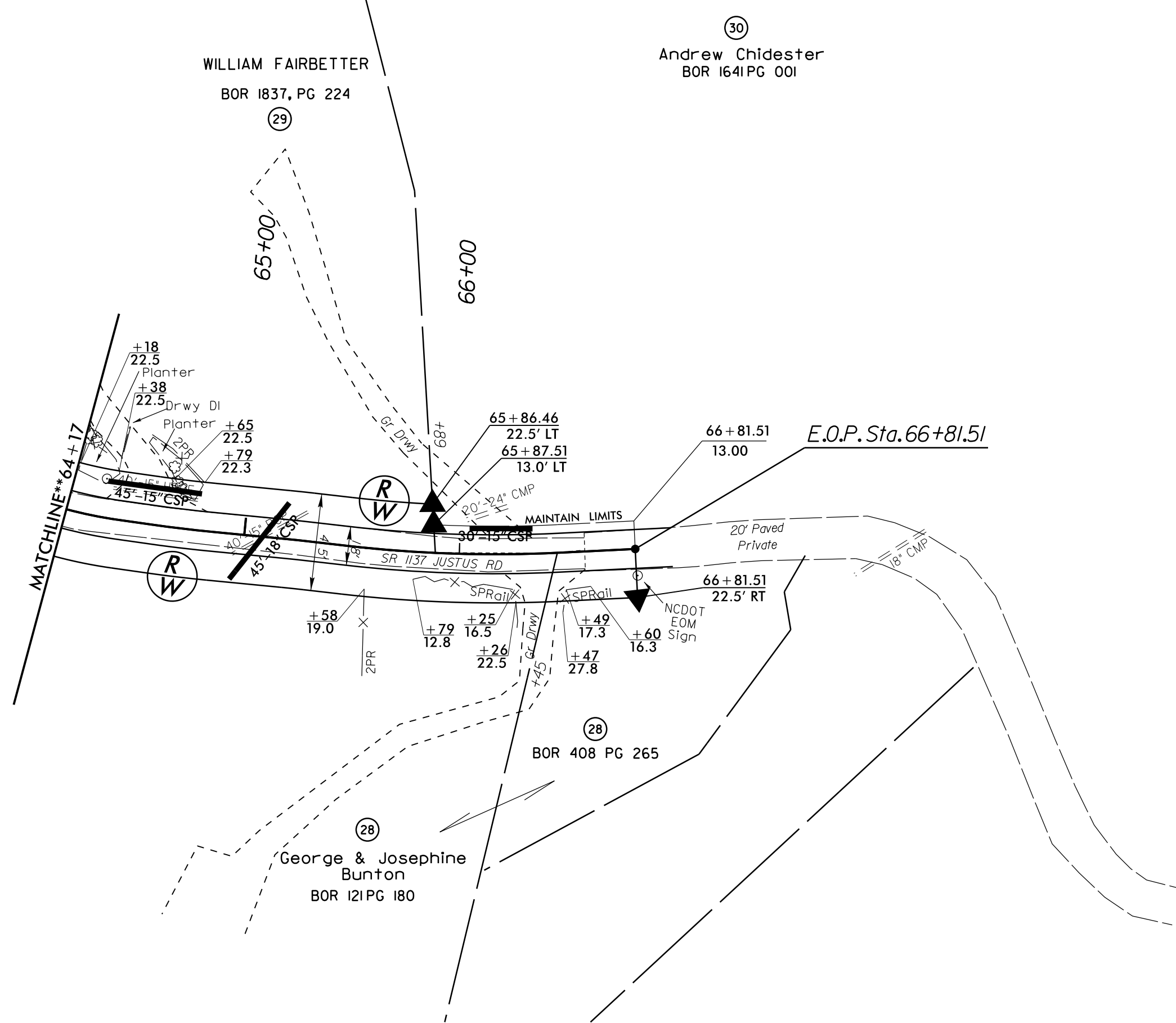
02-JUL-2020 09:08
 A:\13\05\11C\11C095108\11C095108.dwg
 \$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
11C.095108	14
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

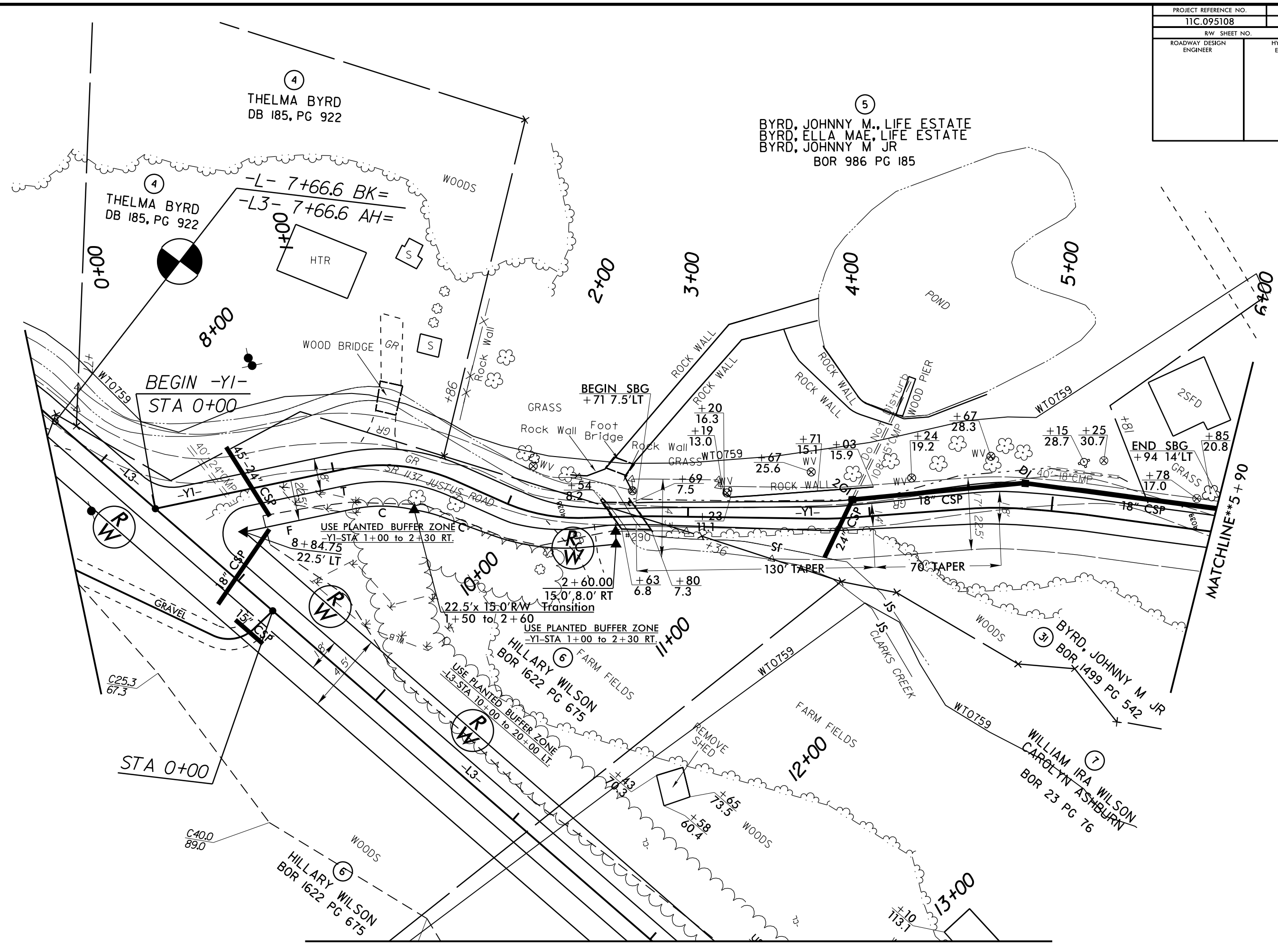
REVISIONS

8/17/99

02_JUL-2020 09:09
A:\14.dwg
A:\14\PROJECTNAME\$\$\$\$



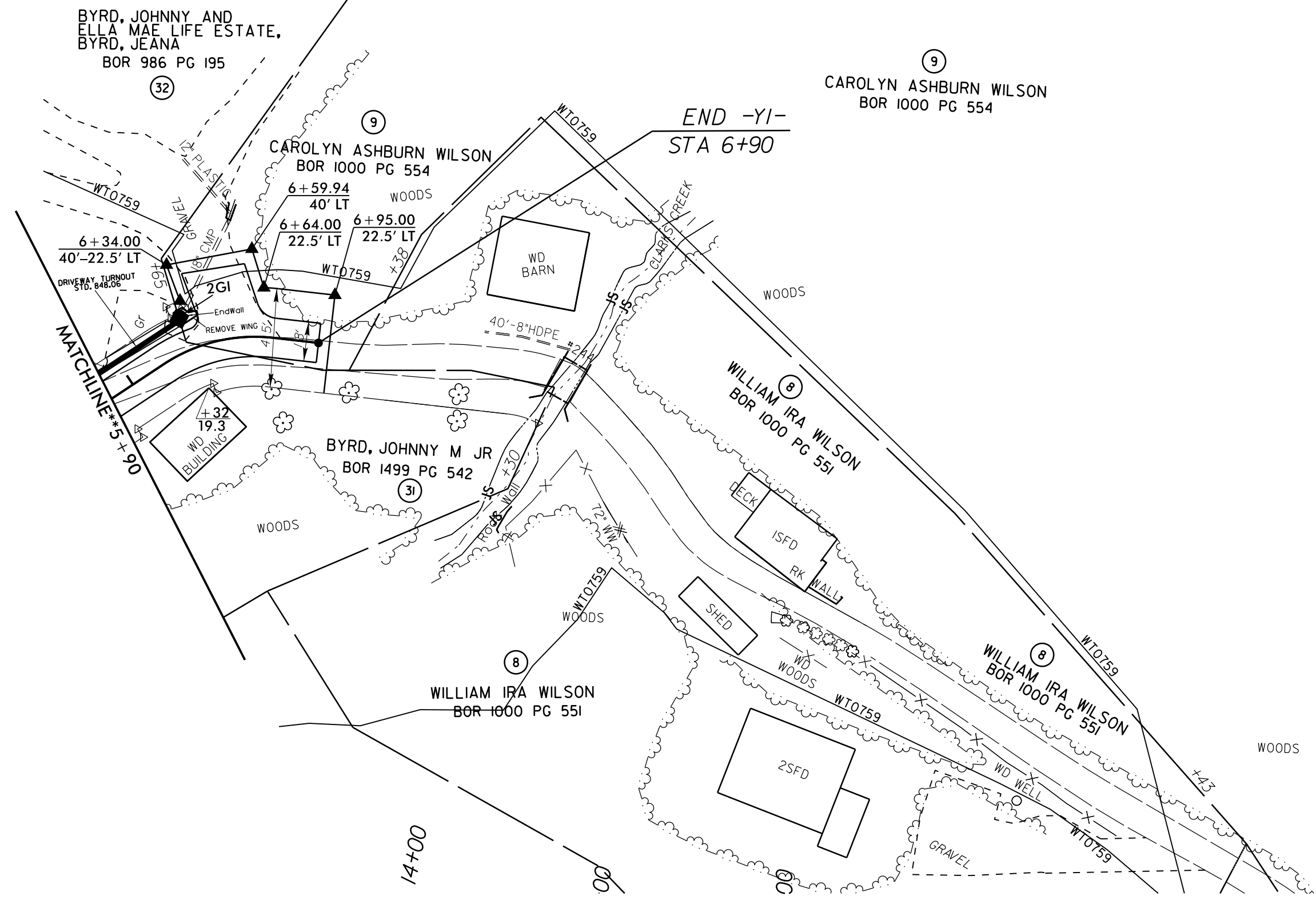
PROJECT REFERENCE NO.	SHEET NO.
11C.095108	15
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS
Revised 6-16-21: Added Boundary for Historical District

8/17/99
16 JUN-2021 IHS
A:\15\DEC\ENR\NAME\$\$\$\$

PROJECT REFERENCE NO.	SHEET NO.
11C.095108	16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS
 Revised 02-11-20: Changed EOP to Sta. 6+90. Added callout for Turn Around Sta. 6+64 Lt. Ended RW Sta. 6+95 Lt.
 Revised 6-16-21: Added Boundary for Historical District

8/17/99

16 JUN 2021 11:17
 16 DEC 2021 11:17
 16 DEC 2021 11:17