ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

BLDR 2024-000604

PERMIT : OSWP 2024-54209

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4755-84-6197

APPLICANT/OWNER: Ricky Driver | APPLICANT ADDRESS: 112 Tranquility Ln, Harmony 28634

SITE ADDRESS: 129 Ivybrook Dr, Statesville 28625 | PHONE: 704-902-5435 | ALT. PHONE -

SITE DIRECTIONS: Mocksville Hwy - N Greenbriar - Ivybrook | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: D M Parlier | SECTION: - | LOT # 1A | LOT AREA: 125x327 | DESIGN FLOW: 120 gpd | L.T.A.R.(Initial): 0.275 | L.T.A.R (Repair): 0.275

Septic Tank	1000 (gal)	STB	760	Date		☒ New System ☐ Repair ☐ Expansion	System Type: I (II) III IV V VI	☒ Residence	No. Bedrooms 1
Pump Tank	(gal)	PT		Date		System Description:	25% reduction	☐ Business	No. Persons 2
Pump Make		Model		Serial #		Repair System Description:	50% reduction	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	3	Linear Ft	110'	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space
Trench Width	36in	*Max. Trench Depth(Initial)	30in	*Max. Trench Depth(Repair)	30in	Gravel Depth	-	☒ GRAVITY	☐ PRESSURE

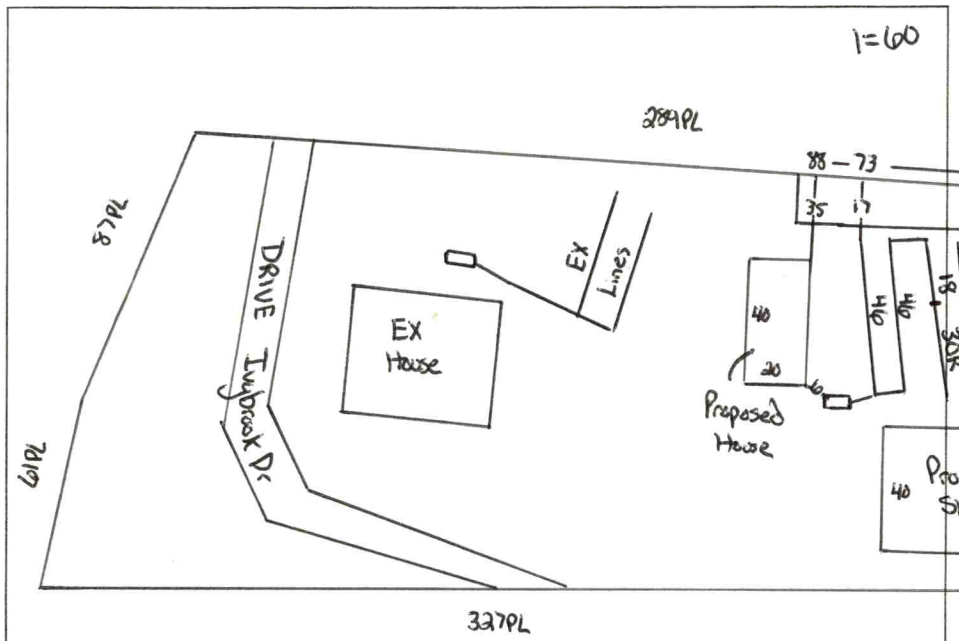
Water Supply: ☐ Private ☒ Public ☐ Community

☐ Basement w/plumbing ☐ Basement w/o plumbing

* Measured on the downhill side of the trench | Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 | Usable Depth to LC (Initial): 48in | Usable Depth to LC (Repair): 48in | *Limiting Condition*

Comments / Conditions: Install on contour with the land. Do not drive, park, or grade septic area.

INITIAL SITE SKETCH



AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Installed as Drawn

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** ***with plat*** *valid without expiration.* ☒ **IMPROVEMENT PERMIT** ***with site plan*** *valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Online Signature | Date:

Installed by: Groundbreakers ✓

IMPROVEMENT PERMIT by: Cory Whit ✓ | Date: 8/21/24

OPERATION PERMIT by: Cory Whit ✓ | Date: 10/14/24

AUTHORIZATION TO CONSTRUCT by: Cory Whit ✓ | Date: 8/21/24

Existing System Inspected by: | Date:

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4755846197
COUNTY: Iredell

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Ricky Driver DATE EVALUATED: 7/12/24
ADDRESS: 162 Tranquility Ln
PROPOSED FACILITY: 1 bd/r home PROPOSED DESIGN FLOW (.0400) 120 ~~240~~ gpd PROPERTY SIZE: 125x327
LOCATION OF SITE: 129 Ivybrook PROPERTY RECORDED: yes
WATER SUPPLY: X Public Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 10'
EVALUATION METHOD: Auger Boring X Pit Cut TYPE OF WASTEWATER: X Domestic High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LS 12%	0 - 8	SC GR	SS SP FR SE	-	57	-	-	.3 PS	5
		8 - 30	C SBK	SS SP FI SE						
		30 - 51	CL SBK	SS SP FI SE						
2	LS 10%	0 - 12	SC / Gr	SS SP FR SE	-	48	-	-	.275 S	4
		12 - 28	C / ~~SBK~~ ABK	SS SP FI SE						
		28 - 48	CL / SBK	SS SP FI SE						
3	LS 10%	0 - 12	SC / Gr	SS SP FR SE	-	48	-	-	.275 S	4
		12 - 26	C / ABK	SS SP FI SE						
		26 - 48	CL / SBK	SS SP FI SE						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	257.	504.
Site LTAR	.275	.275
Maximum Trench Depth	36	36

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT: Matt Wilkinson

Comments: _____

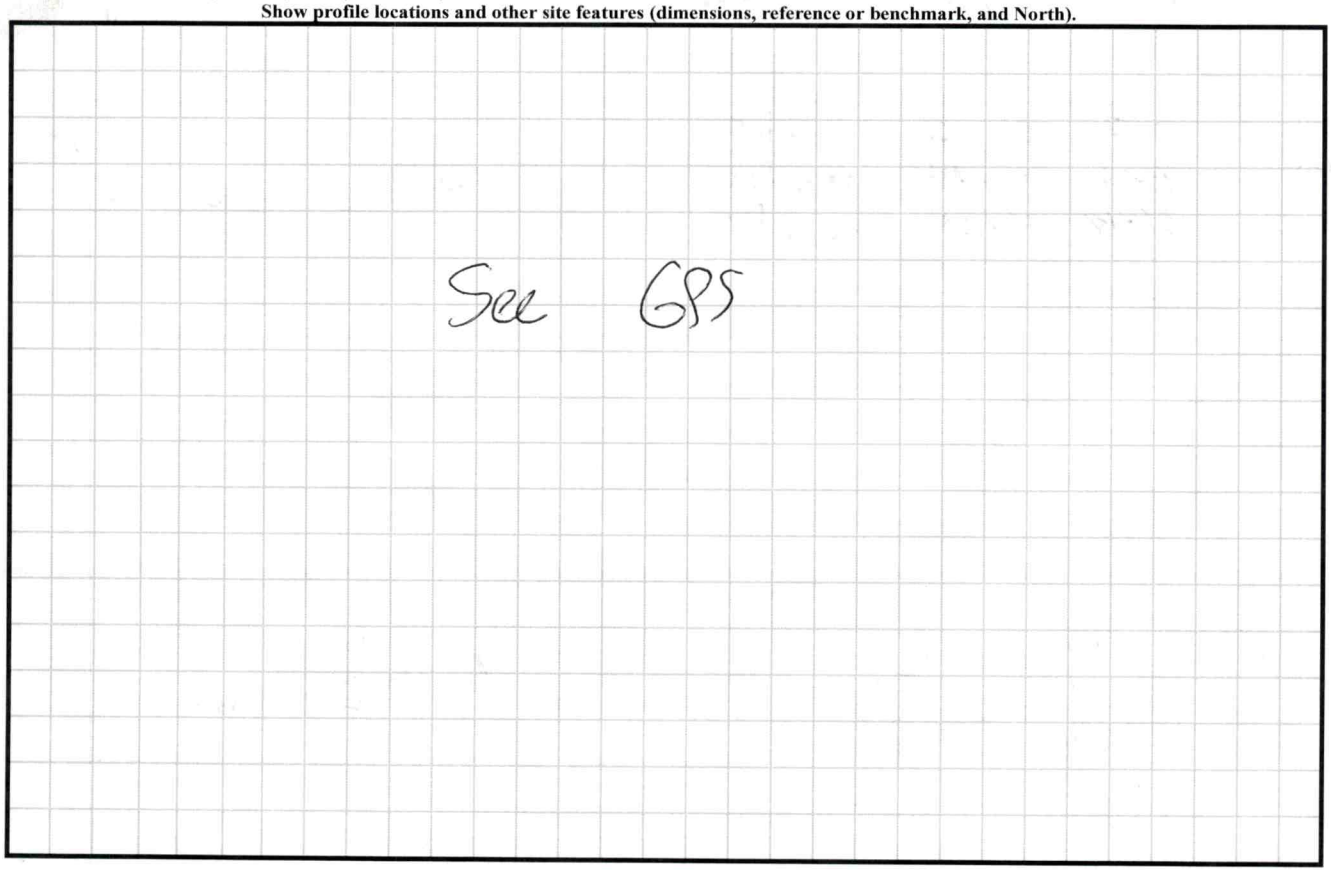
LEGEND

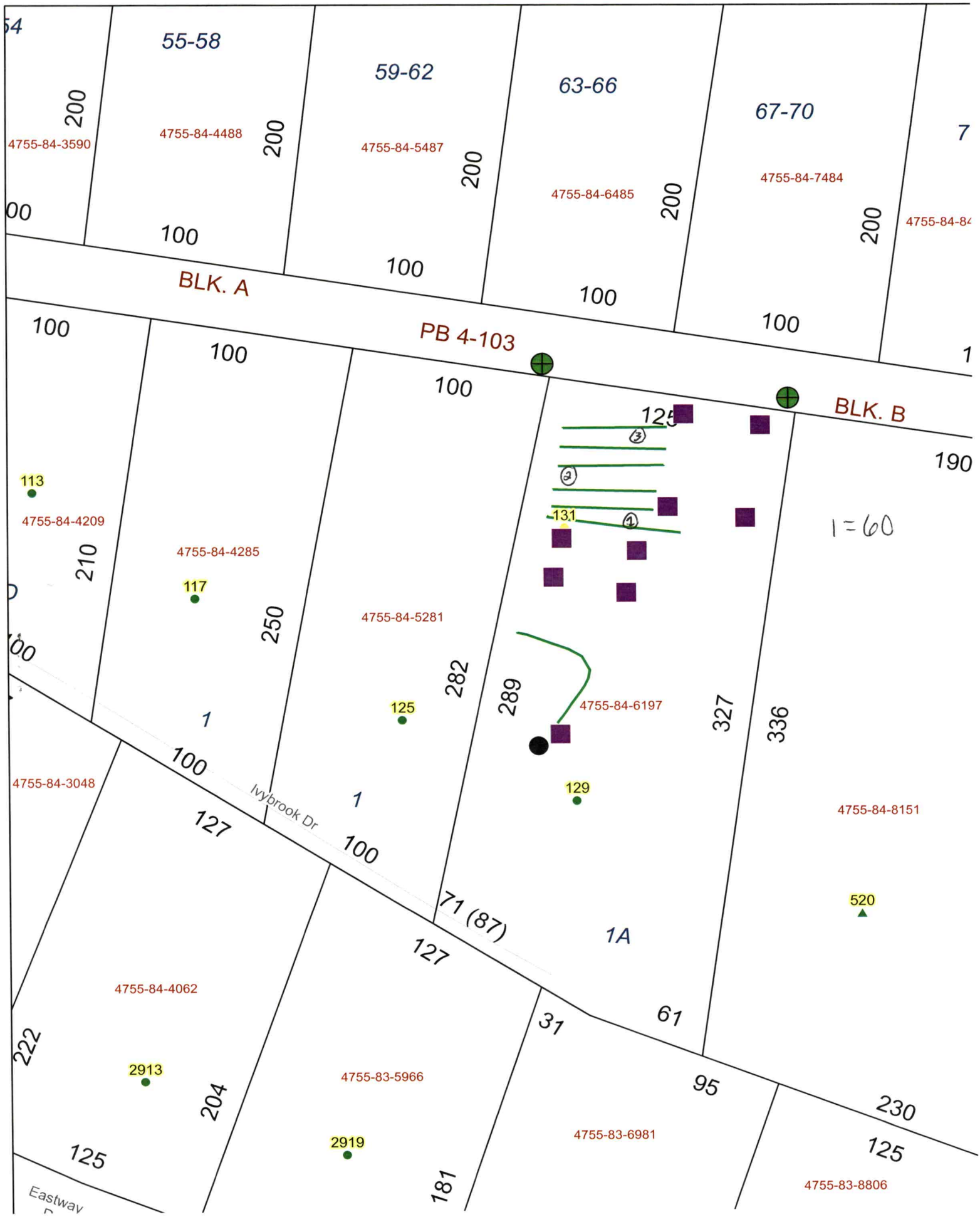
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

HORIZON DEPTH In inches below natural soil surface
DEPTH OF FILL In inches from land surface
RESTRICTIVE HORIZON Thickness and depth from land surface
SAPROLITE S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION S (Suitable) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).




55-58
59-62
63-66
67-70
4755-84-3590
4755-84-4488
4755-84-5487
4755-84-6485
4755-84-7484
200
100
BLK. A
PB 4-103
BLK. B
190
113
4755-84-4209
4755-84-4285
117
4755-84-5281
131
210
250
282
289
327
336
1=60
125
4755-84-6197
129
4755-84-3048
4755-84-8151
520
Ivybrook Dr
127
71 (87)
1A
4755-84-4062
2913
4755-83-5966
2919
4755-83-6981
4755-83-8806
222
204
181
95
230
61
31
Eastway