TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101(16)	U4-1

S.R. 101 CUMBERLAND CO.

UTILITIES INDEX

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ESTIMATED UTILITY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	% Utility Betterment
790-01.05	POLE 30FT CLASS 6 WOOD	EACH		1	0.00%
790-02.04	POLE 35FT CLASS 5 WOOD	EACH		1	0.00%
790-03.02	POLE 40FT CLASS 3 WOOD	EACH		9	0.00%
790-03.03	POLE 40FT CLASS 4 WOOD	EACH		11	0.00%
790-04.03	POLE 45FT CLASS 3 WOOD	EACH		3	0.00%
790-05.02	POLE 50FT CLASS 2 WOOD	EACH		4	0.00%
790-06.02	POLE 55FT CLASS 2 WOOD	EACH		61	0.00%
790-07.01	POLE 60FT CLASS 1 WOOD	EACH		13	0.00%
790-20.01	POLE 65FT CLASS 1 WOOD	EACH		3	0.00%
790-22.01	SINGLE PHASE SINGLE PRIMARY SUPPORT 25KV	EACH		2	0.00%
790-22.10	SINGLE PHASE SUSPENSION, ANGLE 25KV	EACH		1	0.00%
790-22.11	SINGLE PHASE PRIMARY DOUBLE SUPPORT 25KV	EACH		3	0.00%
790-22.13	SINGLE PHASE DEADEND 25KV	EACH		12	0.00%
790-22-14	SINGLE PHASE TAP	EACH		3	0.00%
790-22.12	SINGLE PHASE DEADEND MISCELLANEOUS 25KV	EACH		41	0.00%
790-22.16	SINGLE PHASE DOUBLE DEADEND, TANGENT 25KV	EACH		2	0.00%
790-24.08	TWO PHASE DEADEND, CROSSARM 25KV	EACH		3	0.00%
790-24.10	TWO PHASE DOUBLE DEADEND, CROSSARM 25KV	EACH		1	0.00%
790-26.02	THREE PHASE CROSSARM 25KV	EACH		8	0.00%
790-26.03	THREE PHASE CROSSARM SINGLE LARGE CONDUCTOR 25KV	EACH		35	0.00%
790-26.15	THREE PHASE CROSSARM DOUBLE 10FT LARGE CONDUCTOR	EACH		9	0.00%
790-26.20	THREE PHASE VERTICAL ANGLE LARGE CONDUCTOR 25KV	EACH		4	0.00%
790-26.18	THREE PHASE SMALL ANGLE SUSPENSION BRACKET 25KV	EACH		3	0.00%
790-26.21	THREE PHASE VERTICAL DOUBLE DEADEND ANGLE 25KV	EACH		2	0.00%
790-26.24	THREE PHASEVERTICALDEADEND LARGE CONDUCTOR 25KV	EACH		6	0.00%
790-26.26	THREE PHASE CROSSARM DEADEND 25KV	EACH		6	0.00%
790-26.27	THREE PHASE CROSSARM DOUBLE DEADEND 25KV	EACH		3	0.00%
790-26.28	THREE PHASE DOUBLE 10FT CROSSARM DOUBLE DEADEND 25KV	EACH		1	0.00%
790-32.01	DOWN GUY THROUGH BOLT TYPE	EACH		78	0.00%
790-32.06	DOWN GUY INSULATED	EACH		52	0.00%
790-32.23	GUY GUARD	EACH		133	0.00%
790-33.18	ROCK ANCHOR GUY BOLT TYPE	EACH		126	0.00%
790-46.01	SINGLE PHASE TRANSFORMER NO ADDED FUSE OR LIGHTNING ARRESTER	EACH		9	0.00%
790-47.02	2-PHASE TRANSFORMER BANK POLE	EACH			0.00%
790-49.01	3 PHASE TRANSFORMER BANK	EACH		1	0.00%
790-30.03	SECONDARY ASSEMBLIES DEADEND	EACH		2	0.00%
790-31.02	SERVICE ASSEMBLIES, POLE TYPE	EACH		62	0.00%
790-64.14	PRIMARY METERING 3Ø CLUSTER MOUNT	EACH		3	0.00%
790-68.01	GROUNDING ASSEMBLY GROUND ROD TYPE	EACH		91	0.00%
790-69.21	1-SINGLE PHASE RECLOSER	EACH		2	0.00%
790-60.04	2 SINGLE PHASE SECTIONALIZERS OR RECLOSERS 25KV	EACH		2	0.00%
790-61.05	3-SINGLE PHASE SECTIONALIZERS OR RECLOSERS 25KV	EACH		1	0.00%
790-61.10	THREE PHASE SECTIONALIZER OR RECLOSER WITH BYPASS SW	EACH		1	0.00%
790-65.06	LIGHTNING ARRESTER POLE MOUNTED 18KV	EACH		2	0.00%
790-61.01	SINGLE PHASE FUSE CUTOUT CROSSARM MOUNT 25KV	EACH		2	0.00%
790-73.02	INSULATOR STRING	EACH		1	0.00%
790-43.59	SECONDARY CABLE TERMINAL POLE - UM5	EACH		4	0.00%
790-64.01	SECONDARY METERING SINGLE PHASE 120/240 VOLTS	EACH		2	0.00%
790-64.10	SECONDARY METERING THREE PHASE 120/240VOLTS (4WIRE DELTA)	EACH		3	0.00%
790-58.06	GROUP OPERATED AIR BREAK SWITCH	EACH		1	0.00%
790-68.12	LARGE BRACE	EACH		1	0.00%

NOTES

All material must be approved by Volunteer Energy Cooperative and meet "List of Materials" as shown in RUS Publications 202-1

Guy wire shall be 3/8" or 7/16" extra high strength steel (EHSS)

Guy attachment must meet or exceed an ultimate strength of 70,000 lbs.

See specification section 1 for pole top unit & hardware strength requirements.

Retired Items to be located in one staging area and returned to Volunteer Energy Cooperative for disposal (Crossvile Service Center, 235 O'Brien Dr., Crossville, TN 38555).

Retired service and secondary conductors shall be coiled up in a manner to prevent uncoiling. Retired primary conductors shall be coiled on reels. Conductor sizes shall not be mixed on the reels.

All work shall be done under energized conditions. All switching activities and energization of new line construction shall be coordinated with Volunteer Energy Cooperative.

Contractor is responsible to maintain minimum NESC (latest addition) code requirements during construction

All new distribution construction shall adhere to Volunteer Electric Cooperative's "Engineering Specification Handbook".

New pole installations are based on the "final" grade construction. If poles are installed before final grade, contact Volunteer Energy Cooperative. Any temporary poles needed due to the construction process are the responsibility of the contractor.

No items shall be reused without the prior written approval of Volunteer Energy Cooperative.

All items needed for construction of this project as shown on the plans and/or detailed in the specifications are the sole responsibility of the contractor.

The project shall be constructed consecutively. Any piecemeal construction must be approved prior to construction by Volunteer Energy Cooperative. Any line angles created where not shown on the plans due to piecemeal construction will be fixed at the contractor's expense.

The anchors and pole symbols are pictorial representations only. The unit callouts shall be used for construction, not the picture.

Pole equipment and switching tags shall be located on all poles as shown on the removal poles.

Design based upon imbedded depth of power pole in rock. Increase pole heights 5' where solid rock is not encountered and set according to section 1.3 "Pole Setting"

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VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

ESTIMATED QUANTITIES

SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101(16)	U4-2

ESTIMATED UTILITY QUANTITIES

				Project No. 1:	
ITEM NUMBER	**DESCRIPTION**	**UNIT**	**UNIT PRICE**	**QUANTITY**	**% Utility**
790-31.02	SERVICE ASSEMBLIES, POLE TYPE	EACH		62	0.00%
790-64.14	PRIMARY METERING 3Ø CLUSTER MOUNT	EACH		3	0.00%
790-68.01	GROUNDING ASSEMBLY GROUND ROD TYPE	EACH		91	0.00%
790-69.21	1-SINGLE PHASE RECLOSER	EACH		2	0.00%
790-60.04	2 SINGLE PHASE SECTIONALIZERS OR RECLOSERS 25KV	EACH		2	0.00%
790-61.05	3-SINGLE PHASE SECTIONALIZERS OR RECLOSERS 25KV	EACH		1	0.00%
790-61.10	THREE PHASE SECTIONALIZER OR RECLOSER WITH BYPASS SW	EACH		1	0.00%
790-65.06	LIGHTNING ARRESTER POLE MOUNTED 18KV	EACH		2	0.00%
790-61.01	SINGLE PHASE FUSE CUTOUT CROSSARM MOUNT 25KV	EACH		2	0.00%
790-73.02	INSULATOR STRING	EACH		1	0.00%
UM5	SECONDARY CABLE TERMINAL POLE	EACH		4	0.00%
790-64.01	SECONDARY METERING SINGLE PHASE 120/240 VOLTS	EACH		2	0.00%
790-68.12	LARGE BRACE	EACH		1	
790-70.12	STREET LIGHT HIGH PRESSURE SODIUM 100 WATT	EACH		10	0.00%
790-70.13	STREET LIGHT HIGH PRESSURE SODIUM 200 WATT	EACH		1	0.00%
790-70.14	STREET LIGHT HIGH PRESSURE SODIUM 400 WATT	EACH		1	0.00%
790-70.20	STREET LIGHT MERCURY VAPOR 200 WATT	EACH		2	0.00%
790-70.21	STREET LIGHT MERCURY VAPOR 400 WATT	EACH		3	0.00%
790-62.03	3 SINGLE PHASE SECTIONALIZERS OR RECLOSERS 25KV	EACH		4	0.00%
790-62.08	3 SINGLE PHASE SECT OR RECL WITH BYPASS SWITCH 25KV	EACH		1	0.00%
790-31.04	SERVICE CONDUCTOR 6 ALUMINUM DUPLEX	LF		95	0.00%
790-31.11	SERVICE CONDUCTOR 2 ALUMINUM TRIPLEX	LF		1321	0.00%
790-31.24	SERVICE CONDUCTOR 2/0 ALUMINUM TRIPLEX	LF		96	0.00%
790-31.24	SERVICE CONDUCTOR 1/0 ALUMINUM QUADRUPLEX	LF		364	0.00%

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VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

ESTIMATED QUANTITIES

SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-3

S.R. 101 CUMBERLAND CO.

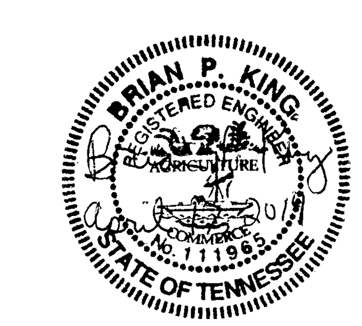
POLE TABLE				POLE TABLE			
POLE #	PAGE #	NORTHING	EASTING	POLE #	PAGE #	NORTHING	EASTING
1	U4–17	609395.81	2289319.31	52	U4–13	606656.38	2285288.00
2	U4–17	609204.40	2289125.06	53	U4–13	606640.62	2285103.72
3	U4–17	609119.73	2289189.21	54	U4–13	606613.34	2284930.86
5	U4–17	609064.90	2288988.99	55	U4–13	606589.68	2284780.95
8	U4–17	609005.80	2288930.89	59	U4–12	606567.23	2284638.71
9	U4–16	608809.71	2288738.19	60	U4–12	606515.42	2284310.39
11	U4–16	608716.33	2288878.75	61	U4–12	606353.87	2284318.18
12	U4–16	608719.54	2288756.81	65	U4–12	606639.22	2284203.52
14	U4–16	608715.47	2288609.39	67	U4–12	606471.70	2284033.30
15	U4–16	608612.61	2288544.68	68A	U4–12	606318.54	2283998.98
16	U4–16	608415.27	2288360.26	69	U4–12	606429.46	2283765.65
17	U4–16	608209.91	2288192.44	70	U4–12	606386.17	2283491.32
18	U4–16	608096.00	2288064.96	70A	U4–12	606484.71	2283493.49
22	U4–16	608003.69	2288021.41	72	U4–11	606360.68	2283329.78
23	U4–15	607825.40	2287873.49	72A	U4–11	606339.71	2283196.92
25	U4–15	607565.06	2287705.19	74	U4–11	606492.13	2283195.08
26	U4–15	607399.91	2288008.13	75	U4–11	606263.91	2283019.80
28	U4–15	607304.73	2287536.89	76	U4–11	606423.24	2282986.92
30	U4–15	607052.79	2287374.02	77	U4–11	606117.94	2282757.71
32	U4–15	606850.17	2287407.85	78	U4–11	605993.96	2282799.77
33	U4–14	606756.89	2287249.36	79	U4–11	606023.50	2282604.47
34	U4–14	606699.54	2287034.38	81	U4–11	605917.77	2282534.80
39	U4–14	606646.77	2286730.01	83	U4–11	605954.15	2282491.94
39A	U4–14	606672.06	2286880.66	83A	U4–11	605892.29	2282391.57
43	U4–14	606654.49	2286559.20	83B	U4–11	605984.93	2282332.25
46	U4–14	606663.64	2286263.14	85	U4–10	605841.85	2282309.72
48	U4–13	606675.25	2285971.85	89	U4–10	605718.10	2282108.92
49	U4–13	606686.81	2285677.55	90	U4–10	605697.71	2282382.82
50	U4–13	606695.85	2285453.76	91	U4–10	605556.54	2282441.66
51	U4–13	606666.61	2285268.42	93	U4–10	605529.22	2281802.45

POLE TABLE				POLE TABLE			
POLE #	PAGE #	NORTHING	EASTING	POLE #	PAGE #	NORTHING	EASTING
93A	U4–10	605695.50	2281874.61	135	U4–7	604341.68	2278278.69
93B	U4–10	605615.90	2281943.10	138	U4–7	604231.45	2278071.14
94	U4–10	605470.05	2281706.43	140	U4–7	604138.16	2277912.45
97	U4–10	605351.06	2281435.70	141	U4–7	604007.90	2277972.63
99	U4–10	605316.16	2281298.95	144	U4–7	603908.59	2277808.45
102	U4–9	605402.18	2281106.79	144A	U4–7	604072.68	2277719.64
104A	U4–9	605287.36	2280996.32	145	U4–6	603963.11	2277532.50
106	U4–9	605401.14	2280944.56	149	U4–6	603788.40	2277308.86
109	U4–9	605399.17	2280638.93	152	U4–6	603705.71	2277525.19
112	U4–9	605398.06	2280466.63	153	U4–6	603604.24	2277425.69
114	U4–9	605362.25	2280300.87	154	U4–6	603515.31	2277296.70
118	U4–9	605298.56	2280110.79	155	U4–6	603419.55	2277190.62
118A	U4–9	605190.29	2280161.70	157	U4–6	603531.10	2277083.01
119	U4–9	605196.14	2279909.92	158	U4–6	603386.71	2276929.12
120	U4–8	605090.51	2279704.84	159	U4–6	603207.37	2277049.20
122	U4–8	605002.42	2279532.95	162	U4–6	603099.05	2276978.63
124	U4–8	604885.69	2279616.59	164	U4–6	603231.53	2276763.75
125	U4–8	604860.49	2279256.00	168	U4–6	603073.89	2276596.01
126	U4–8	604744.49	2279037.52	168A	U4–6	602952.09	2276705.60
127	U4–8	604668.53	2278894.43	170	U4–5	602869.65	2276378.21
128	U4–8	604566.58	2278702.40	172	U4–5	602690.16	2276186.81
129	U4–7	604617.92	2279160.85	173	U4–5	602503.12	2276024.47
130	U4–7	604466.15	2278513.23	175	U4–4	602385.57	2275817.25
132	U4–7	604132.71	2278575.48	177	U4–4	602249.96	2275582.30

GUY LOCATION TABLE				GUY LOCATION TABLE			
POLE #	GUY WIRE	NORTHING	EASTING	POLE #	GUY WIRE	NORTHING	EASTING
2	GUY 2	609222.7429	2289111.6357	33	GUY 33A	606734.9044	2287260.4084
3	GUY 3A	609127.2563	2289213.1162	33	GUY 33B	606740.2411	2287257.7267
3	GUY 3B	609125.9640	2289209.9330	34	guy 34A	606723.8566	2287030.6230
5	GUY 5	609046.7588	2289008.3713	34	guy 34B	606676.2403	2287042.2766
9	GUY 9A	608823.1695	2288717.5971	35	guy 35	606576.9173	2287048.7492
9	GUY 9B	608785.3461	2288747.6179	39	GUY 39A	606622.6945	2286725.0535
9	GUY 9C	608788.5608	2288746.4060	39	GUY 39B	606622.4562	2286732.5666
11	GUY 11	608703.1166	2288899.5003	40	GUY 40	606843.4836	2286763.5011
14	GUY 14A	608732.8805	2288587.0835	50	GUY 50	606720.4426	2285452.9254
14	GUY 14B	608729.6554	2288591.1489	54	GUY 54	606635.1911	2284919.5609
18	GUY 18	608119.0874	2288073.4622	60	GUY 60A	606539.9761	2284308.8244
22	GUY 22	607980.9776	2288011.9539	60	GUY 60B	606497.6101	2284327.3605
23	GUY 23	607840.6896	2287854.2201	62	GUY 62A	606157.8368	2284311.4371
25	GUY 25A	607573.1173	2287688.3367	62	GUY 62B	606117.9867	2284332.2159
25	GUY 25B	607571.5961	2287691.4181	63	GUY 63A	606115.6139	2284396.0460
28	GUY 28	607295.5750	2287551.4212	63	GUY 63B	606076.3839	2284415.3123
29	GUY 29	607389.2708	2287427.5947	65	GUY 65A	606614.9067	2284207.2773
30	GUY 30A	607032.1415	2287360.6421	65	GUY 65B	606658.1949	2284187.8571
30	GUY 30B	607035.0531	2287362.4658	66	GUY 66	606829.4760	2284168.4782
30	GUY 30C	607076.5700	2287367.7641	67	GUY 67	606496.2262	2284031.4053
30	GUY 30D	607073.3266	2287368.8855	72	GUY 72	606362.5392	2283187.7423
30	GUY 30E	607028.5853	2287378.4207	75	BUY 75A	606242.8648	2283032.5481
30	GUY 30F	607031.9557	2287377.7546	75	GUY 75B	606239.7818	2283024.6220
32	GUY 32A	606863.8474	2287428.2998	78	GUY 78	605980.8656	2282820.5998
32	GUY 32B	606861.1030	2287424.1972	81	GUY 81	605897.3139	2282521.1371
32	GUY 32C	606874.4413	2287403.8345	83	GUY 83B	606000.2324	2282313.6749
32	GUY 32D	606869.1537	2287404.7093	85	GUY 85A	605863.8644	2282298.7323
32	GUY 32E	606826.0342	2287412.6333	85	GUY 85B	605822.2508	2282324.5923
32	GUY 32F	606830.8759	2287411.6737	86	GUY 86	606117.9182	2282112.3715
32A	GUY 32AA	606737.3113	2287446.8738	90	GUY 90	605708.0031	2282405.1675

GUY LOCATION TABLE				GUY LOCATION TABLE			
POLE #	GUY WIRE	NORTHING	EASTING	POLE #	GUY WIRE	NORTHING	EASTING
91	GUY 91	605546.0698	2282419.4013	135	GUY 135	604320.8739	2278291.9457
89	GUY 89	605695.9863	2282119.7069	141	GUY 141	604021.9373	2277994.8545
93	GUY 93A	605714.1472	2281858.5682	144	GUY 144	603896.9431	2277786.7800
93	GUY 93B	605597.7816	2281959.7386	144	GUY 144A	603887.2008	2277820.6157
94	GUY 94A	605447.7225	2281716.7718	149	GUY 149	603808.6595	2277294.9047
94	GUY 94B	605450.8407	2281715.3277	149	GUY 149B	603799.0324	2277286.6767
97	GUY 97A	605327.1157	2281441.3672	155	GUY 155	603403.2112	2277172.2301
97	GUY 97B	605326.7264	2281439.3488	157	GUY 157	603549.7208	2277066.9210
99	GUY 99A	605340.7844	2281300.4575	158	GUY 158	603406.9331	2276915.1124
99	GUY 99B	605292.1643	2281293.6653	158	GUY 158B	603362.1578	2276927.5413
99	GUY 99C	605295.5369	2281294.3200	160	GUY 160	603608.8325	2276970.5966
120	GUY 120	605426.4046	2281111.0951	162	GUY 162	603086.7407	2276998.8965
104	GUY 104A	605274.4669	2280975.3611	168	GUY 168	603092.7894	2276579.9826
109	GUY 109A	605383.2304	2280620.1879	168	GUY 168A	602955.0410	2276681.1760
109	GUY 109B	605423.5525	2280642.2307	168	GUY 168B	602934.7852	2276723.0867
112	GUY 112	605422.3347	2280462.5991	172	GUY 172	602707.2148	2276169.0745
114	GUY 114	605385.2055	2280292.0243	173	GUY 173	602518.4682	2276005.2398
118	GUY 118	605320.8622	2280100.4009	173	GUY 173B	602478.6628	2276026.5989
118A	GUY 118A	605168.2125	2280172.5649	173	GUY 173C	602482.0869	2276026.3078
119	GUY 119	605175.4486	2279923.3741	173	GUY 173D	602478.8081	2276044.4589
120	GUY 120	605066.4153	2279709.8121	173	GUY 173E	602481.4925	2276042.3148
122	GUY 122	605013.9087	2279511.1936	173	GUY 173F	602484.1769	2276040.1707
124	GUY 124	604866.0382	2279631.3868	173	GUY 173G	602486.8613	2276038.0266
126	GUY 126	604761.6048	2279019.8406	177	GUY 177A	602264.5349	2275601.7295

GUY LOCATION TABLE			
POLE #	GUY WIRE	NORTHING	EASTING
177	GUY 177B	602239.4218	2275560.0709
177	GUY 177C	602240.9399	2275563.1529
175	GUY 175A	602398.3479	2275838.2798
175	GUY 175B	602375.1533	2275794.9655



COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00___ & TIED TO THE TGRN.

VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

POLE LOCATION TABLULATION

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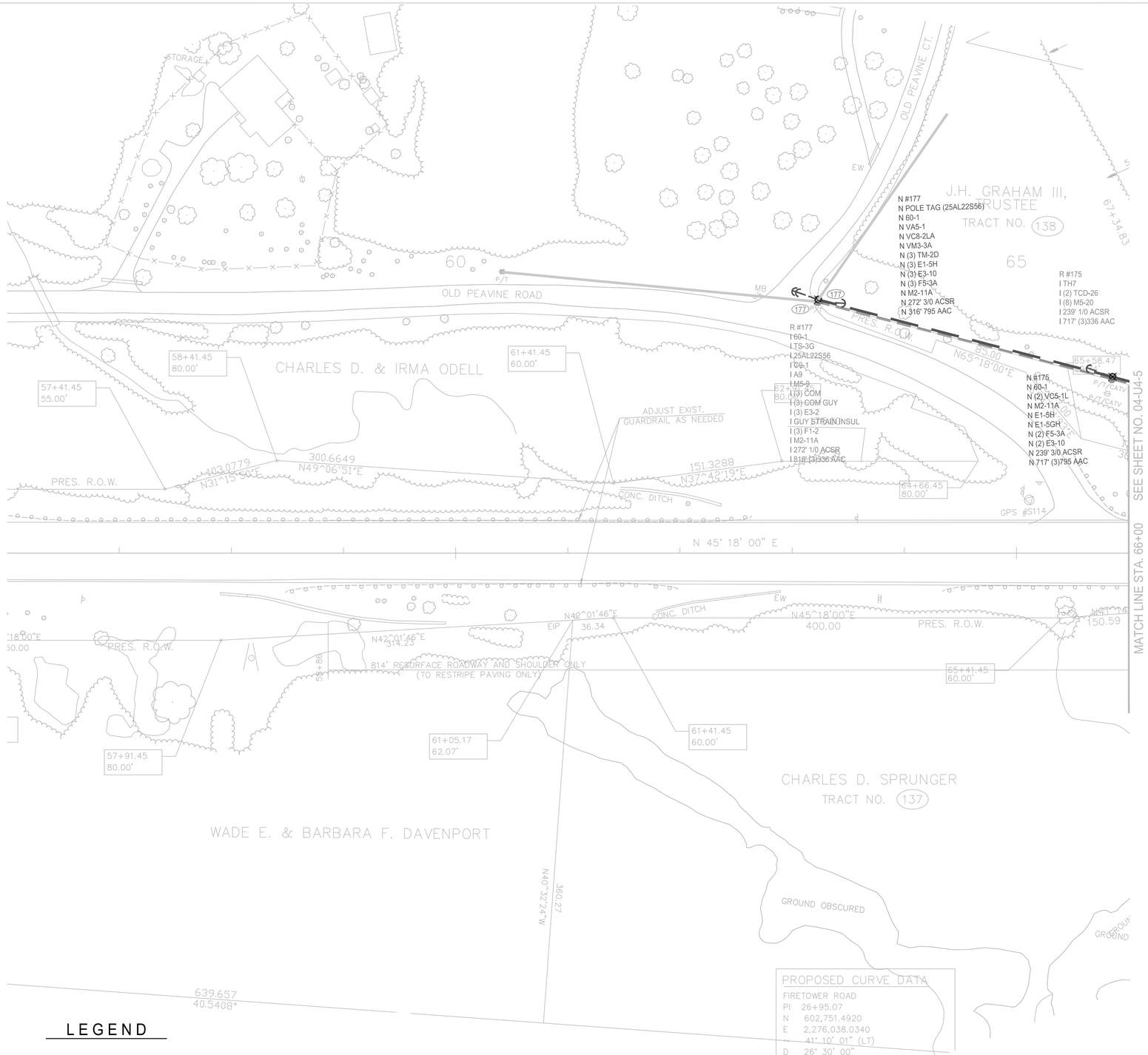
Layout Name: U4-3
Plotted: Thursday, April 17, 2014 - 2:11 pm
By: BookerS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-4

S.R. 101 CUMBERLAND CO.



PROPOSED CURVE DATA

FIRETOWER ROAD

PI	26+95.07
N	602,751.4920
E	2,276,038.0340
Δ	41° 10' 01" (LT)
D	26° 30' 00"
R	216.21
L	155.35
T	81.20
SE	0.065

LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
2	0

(SEE SHEET U4-1 FOR DETAILED NOTES)

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00___ & TIED TO THE TGRN.

VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 56+00 TO STA. 66+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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Layout Name: U4-4
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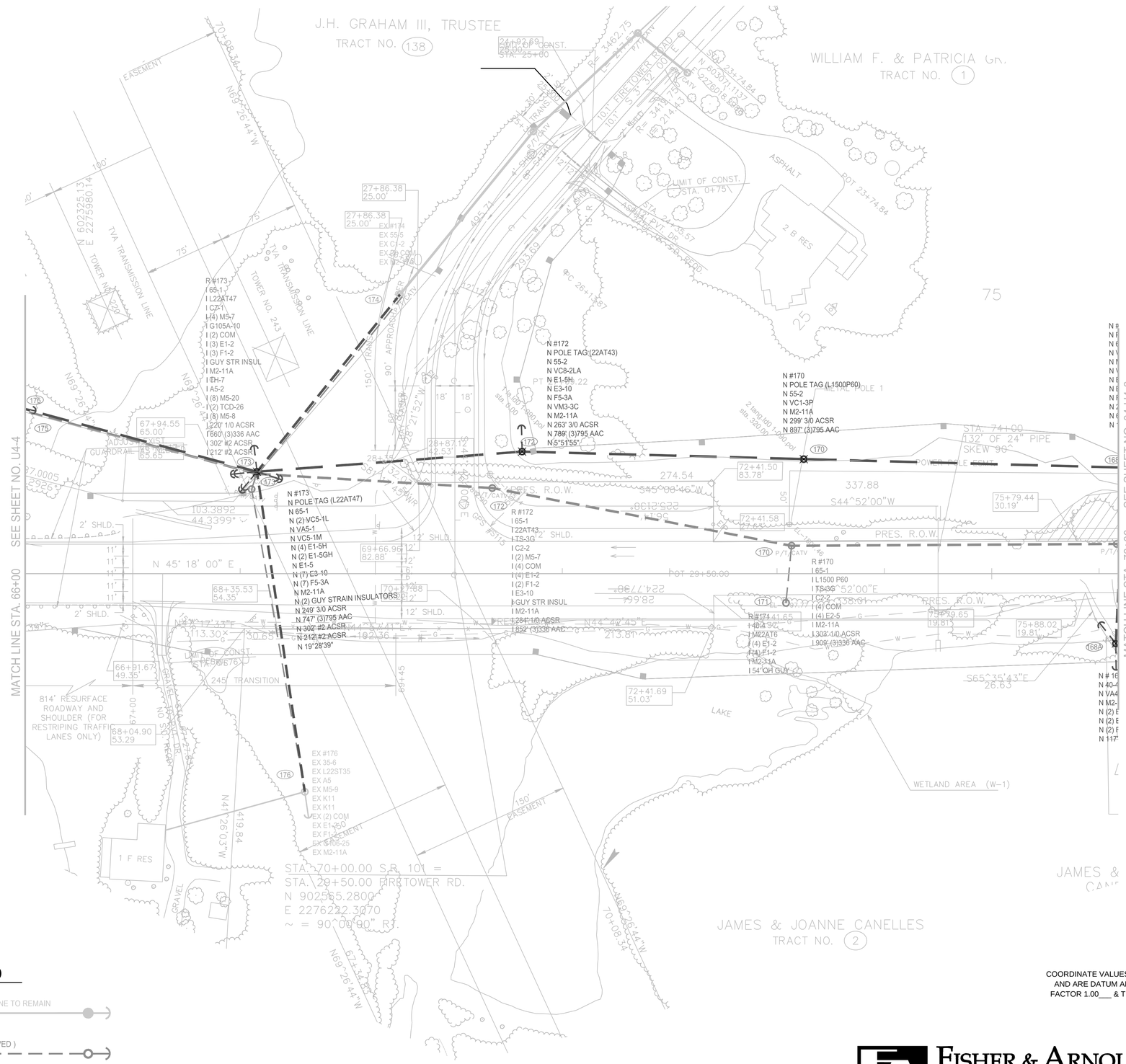
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-5

S.R. 101 CUMBERLAND CO.



(SEE SHEET U4-1 FOR DETAILED NOTES)

COORDINATE VALUES ARE NAD/83(1995) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00___ & TIED TO THE TGRN.

LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
4	3

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ELECTRIC RELOCATION

STA. 66+00 TO STA. 76+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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Layout Name: U4-5
Plotted: Thursday, April 17, 2014 - 2:34 pm
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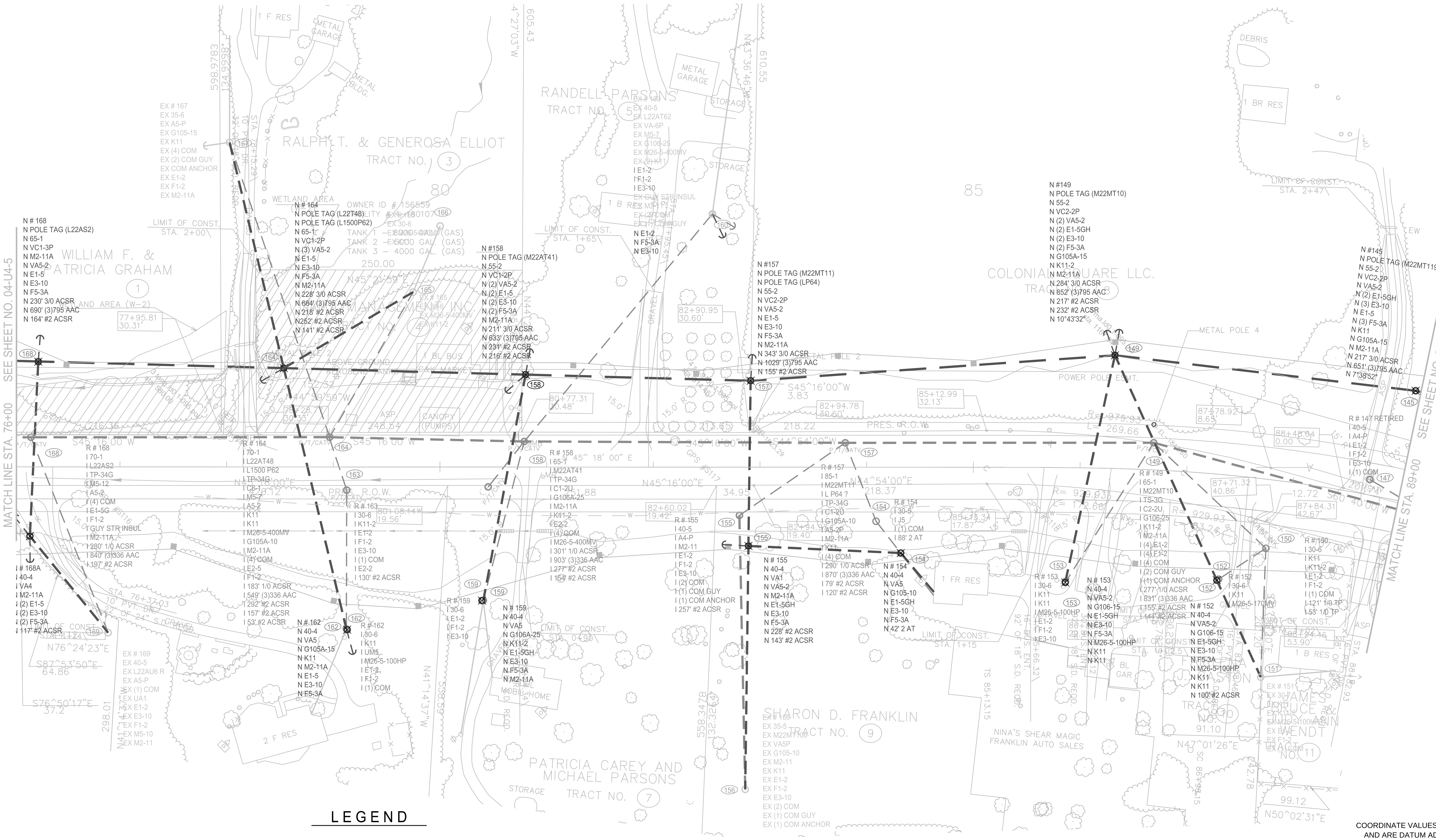
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-6

S.R. 101 CUMBERLAND CO.

NOTE:

* POLE N #164 LOCATED INSIDE WETLAND AREA (W-2).

* THE CONTRACTOR SHALL KEEP WETLAND DISTURBANCE TO A MINIMUM AND AS NEEDED FOR UTILITY RELOCATION. THE DISTURBED AREA SHALL BE RESTORED TO EXISTING CONDITIONS.



LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
15	5

(SEE SHEET U4-1 FOR DETAILED NOTES)

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VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 76+00 TO STA. 89+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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Layout Name: U4-6
Plotted: Thursday, April 17, 2014 - 2:37 pm
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-7

S.R. 101 CUMBERLAND CO.

LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
0	0

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Layout Name: U4-7
Plotted: Thursday, April 17, 2014 - 2:42 pm
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(SEE SHEET U4-1 FOR DETAILED NOTES)

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VOLUNTEER ENERGY COOPERATIVE

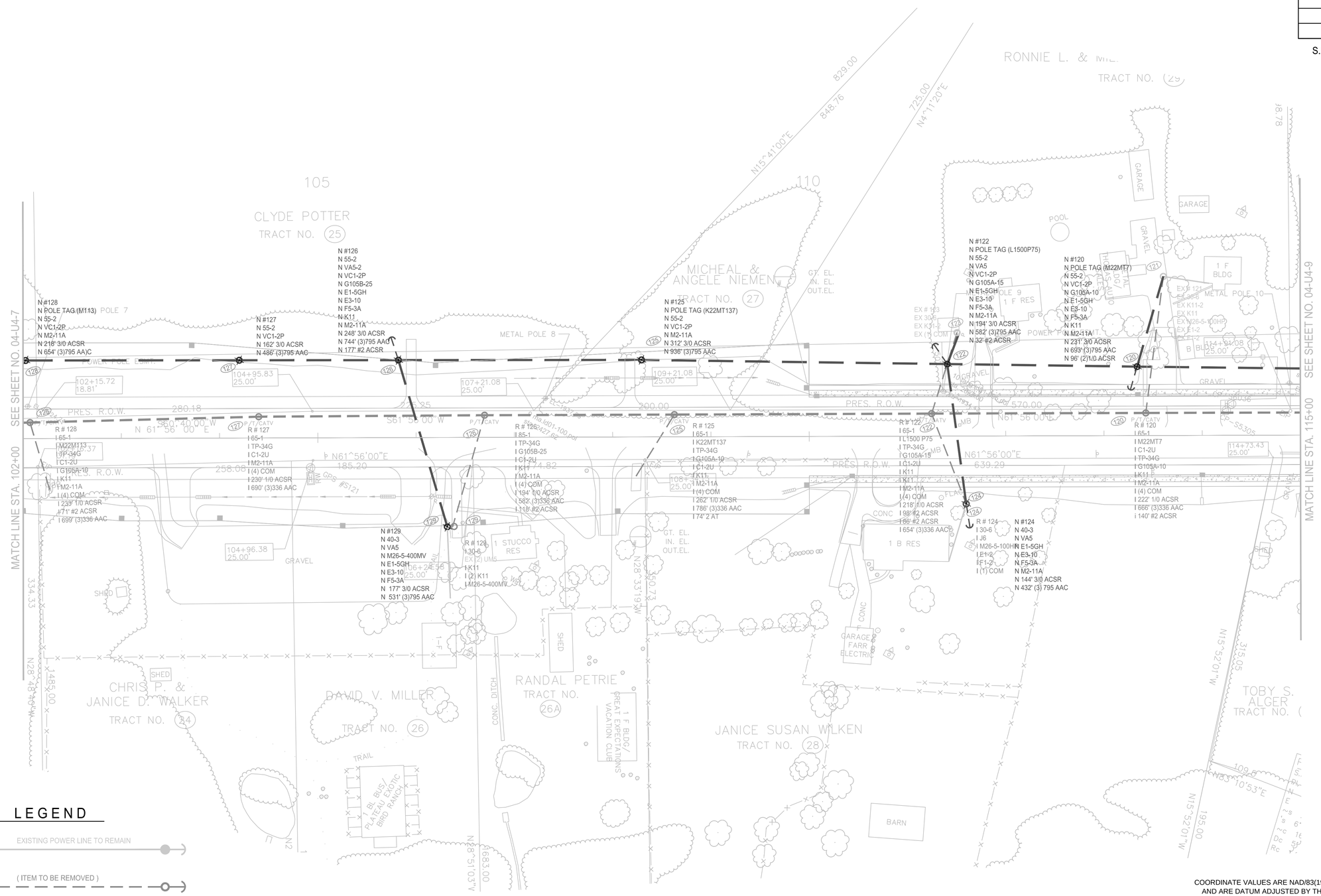
ELECTRIC RELOCATION

STA. 89+00 TO STA. 102+00

SCALE: FULL 1"= 50', HALF 1"= 100'

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-8

S.R. 101 CUMBERLAND CO.



LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
3	6

(SEE SHEET U4-1 FOR DETAILED NOTES)

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ELECTRIC RELOCATION

STA. 102+00 TO STA. 115+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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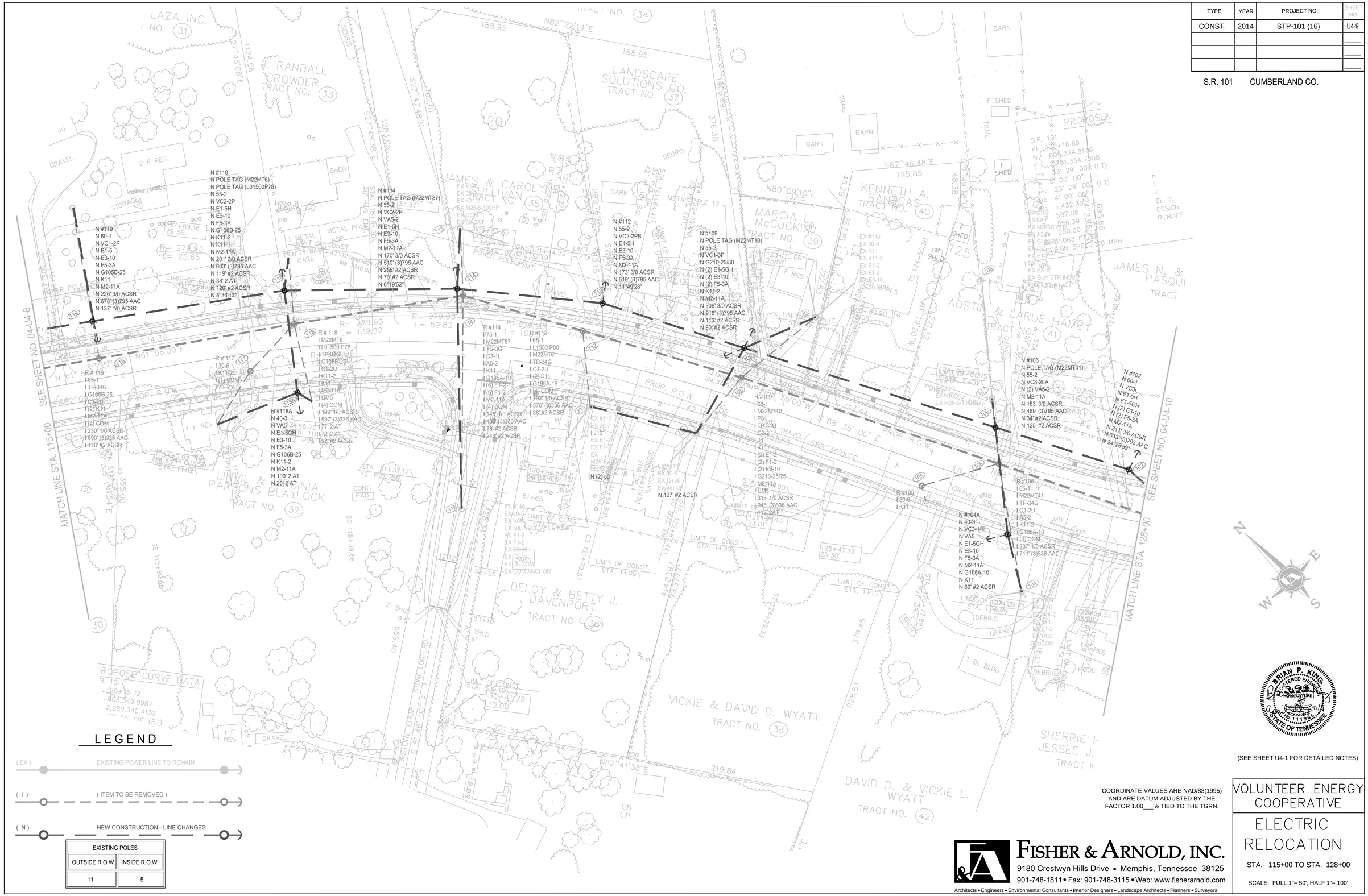
Layout Name: U4-8
Plotted: Thursday, April 17, 2014 - 2:46 pm
By: Bookers

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-9

S.R. 101 CUMBERLAND CO.



VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 115+00 TO STA. 128+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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Layout Name: U4-9
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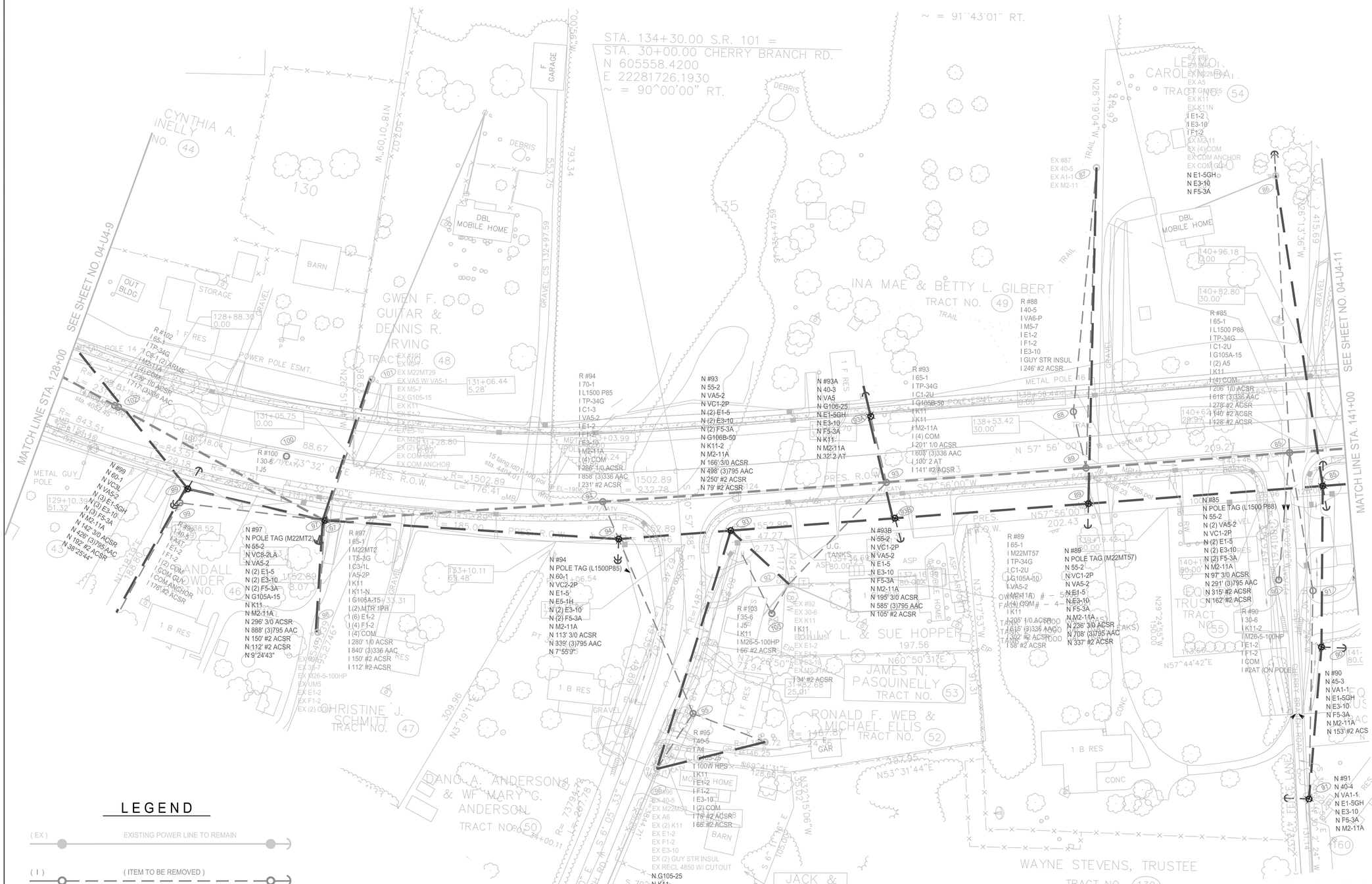
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-10

S.R. 101 CUMBERLAND CO.



LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
9	8

(SEE SHEET U4-1 FOR DETAILED NOTES)

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ELECTRIC RELOCATION

STA. 128+00 TO STA. 141+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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Layout Name: U4-10
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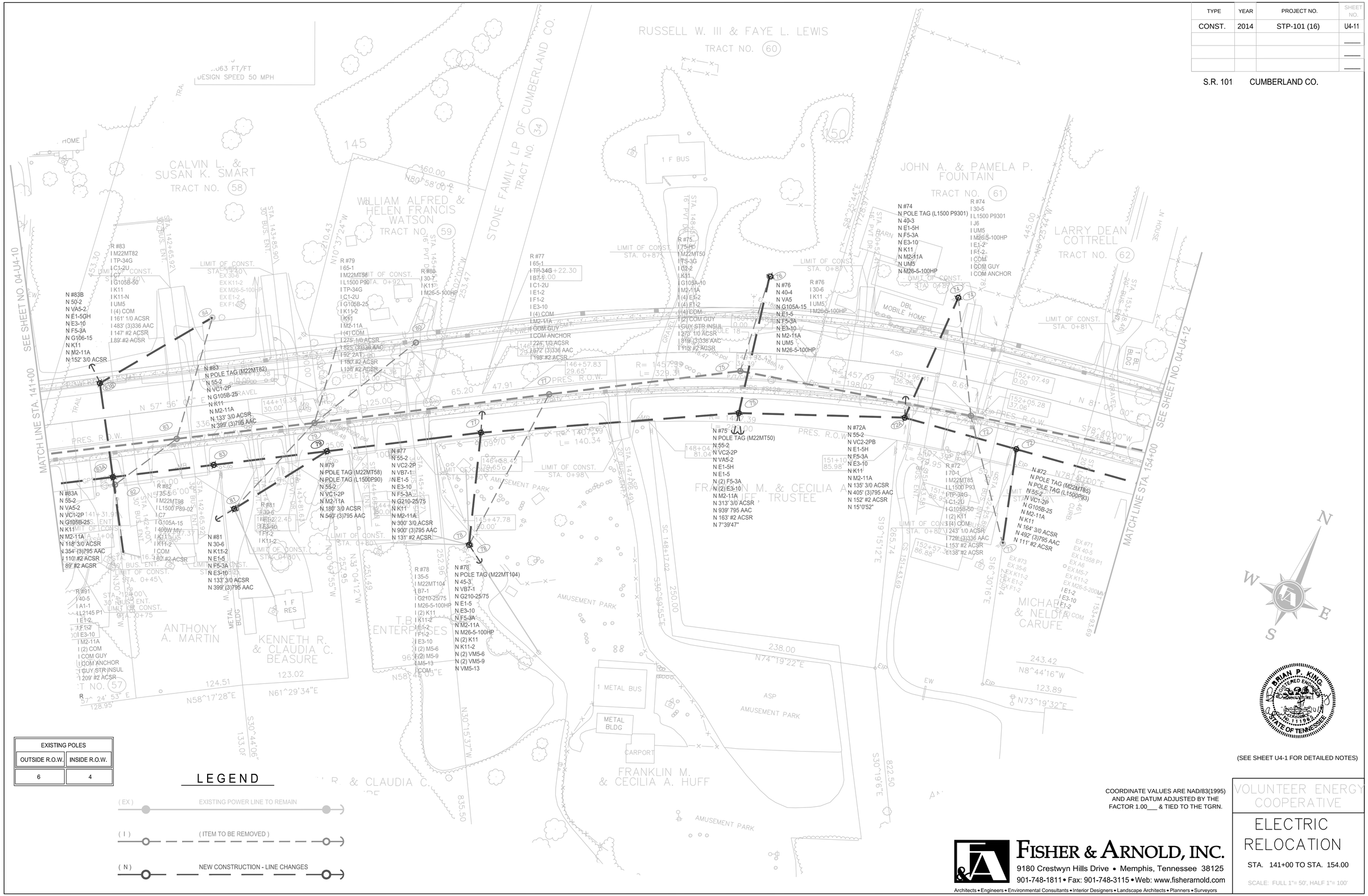
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-11

S.R. 101 CUMBERLAND CO.



EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
6	4

LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

(SEE SHEET U4-1 FOR DETAILED NOTES)

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VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 141+00 TO STA. 154.00

SCALE: FULL 1"= 50', HALF 1"= 100'

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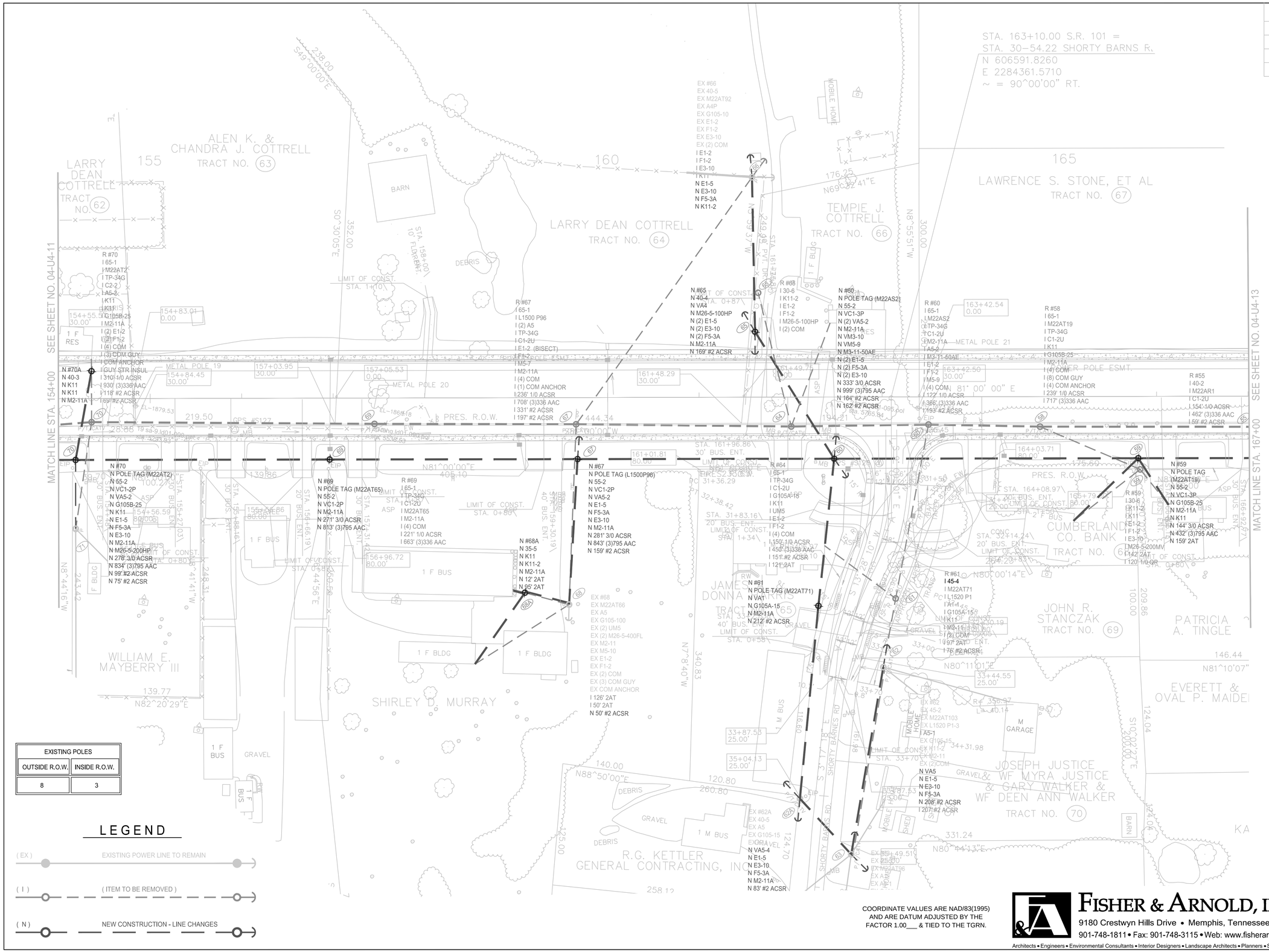
By: Bower2

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-12

S.R. 101 CUMBERLAND CO.



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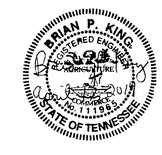

(SEE SHEET U4-1 FOR DETAILED NOTES)

VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 154+00 TO STA. 167+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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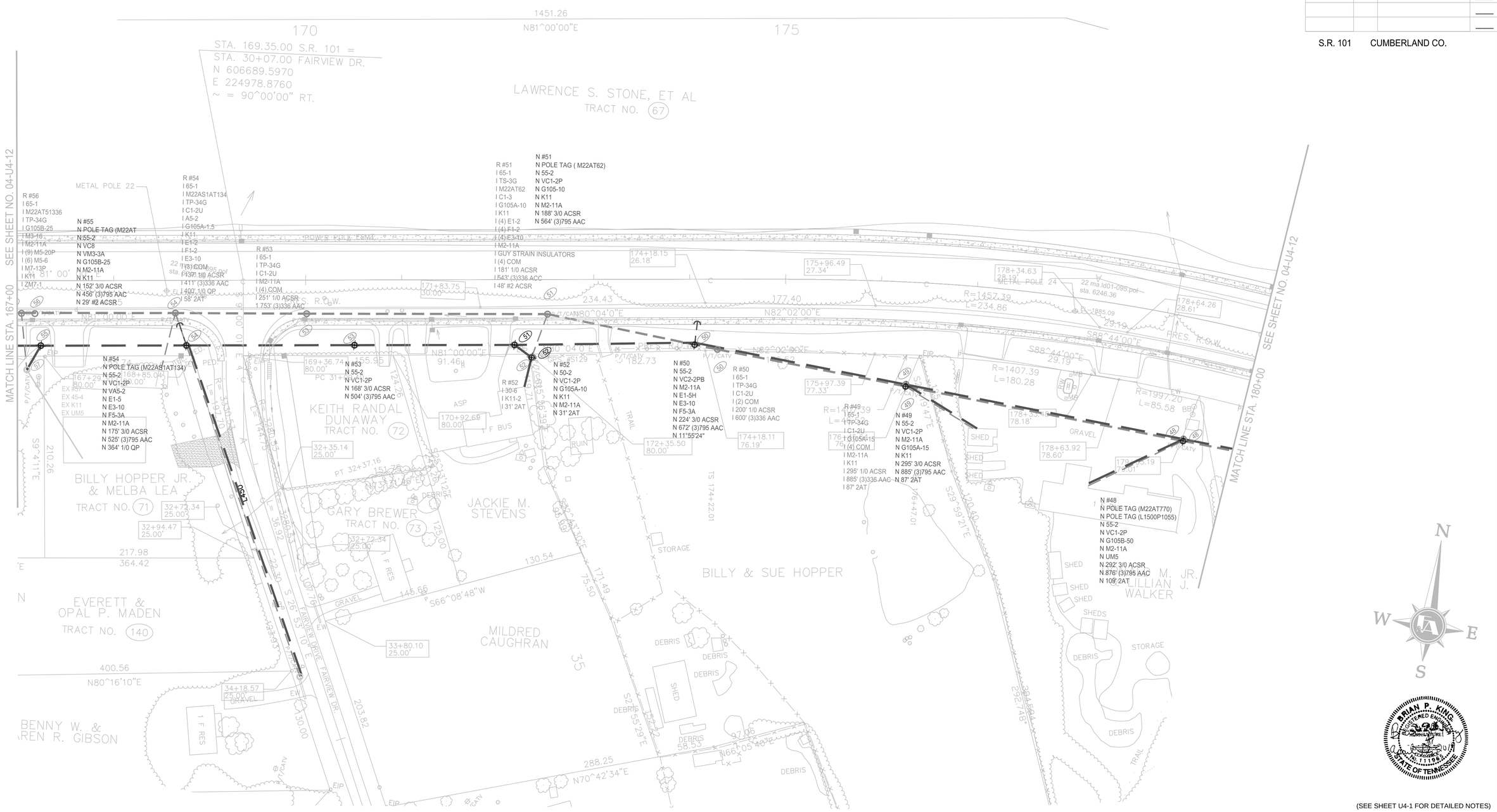
Layout: Layout4-27
Plotted: Thursday, April 17, 2014 - 3:14 pm
By: BookerS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-13

S.R. 101 CUMBERLAND CO.



(SEE SHEET U4-1 FOR DETAILED NOTES)

LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
2	7

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ELECTRIC RELOCATION

STA. 167+00 TO STA. 180+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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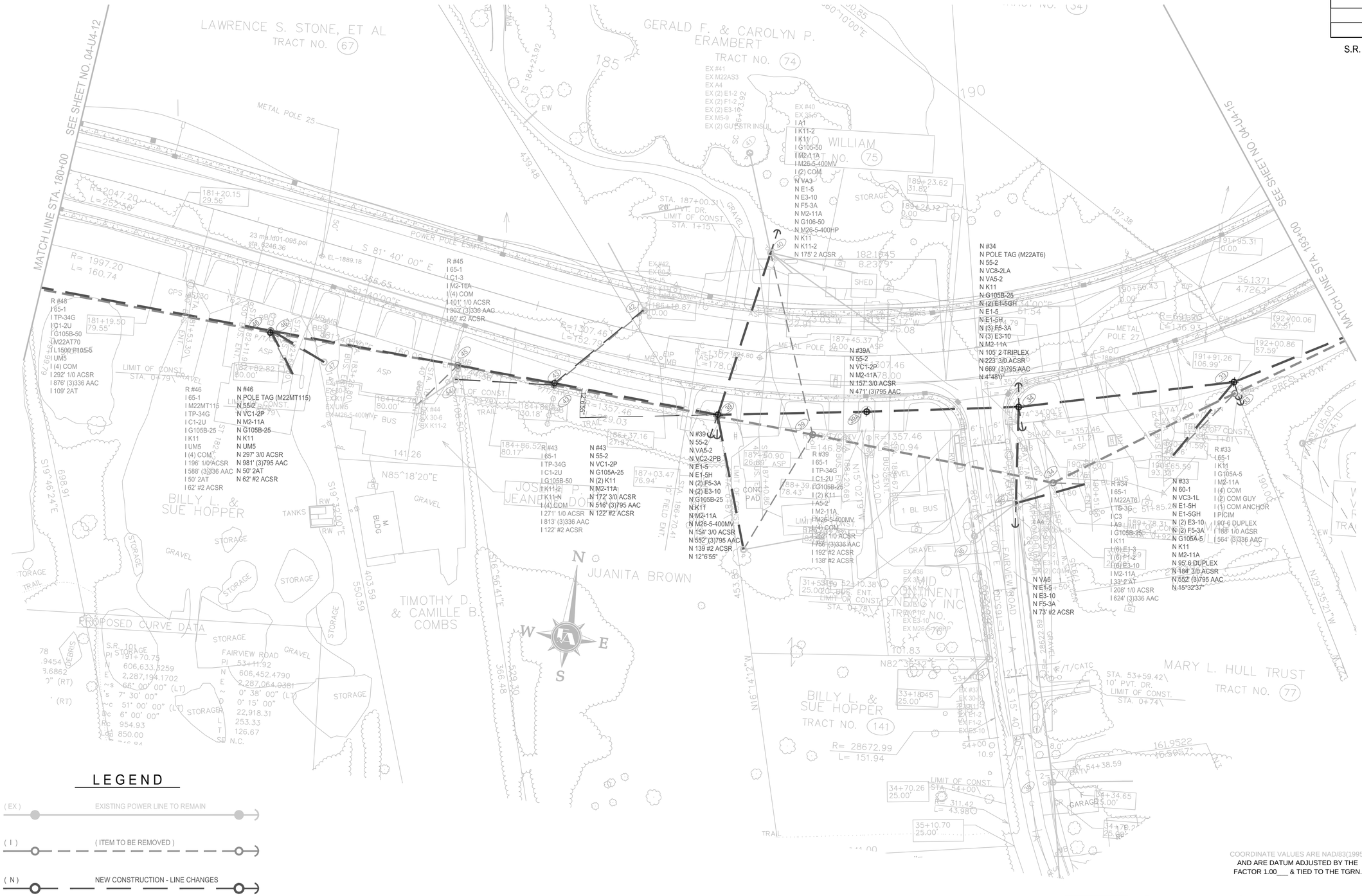
Layout: U4-13 Plot Date: Thursday, April 17, 2014 - 3:34 pm
Plotted: Thursday, April 17, 2014 - 3:34 pm
By: BookerS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-14

S.R. 101 CUMBERLAND CO.



LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
0	0

(SEE SHEET U4-1 FOR DETAILED NOTES)

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FACTOR 1.00___ & TIED TO THE TGRN.

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VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 180+00 TO STA. 193+00

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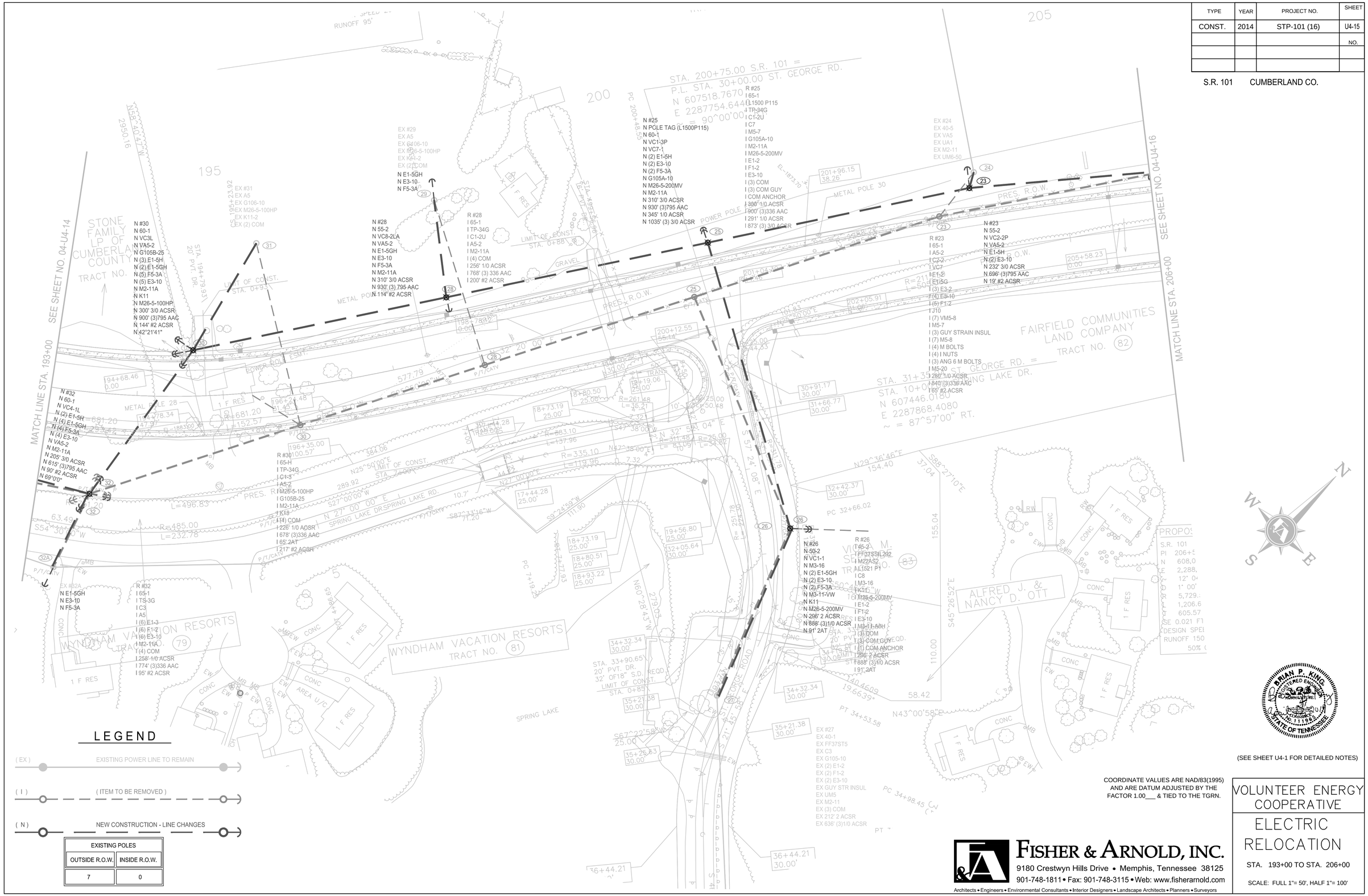
TYPE	YEAR	PROJECT NO.	SHEET
CONST.	2014	STP-101 (16)	U4-15
			NO.

S.R. 101 CUMBERLAND CO.



(SEE SHEET U4-1 FOR DETAILED NOTES)

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VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 193+00 TO STA. 206+00

SCALE: FULL 1"= 50', HALF 1"= 100'

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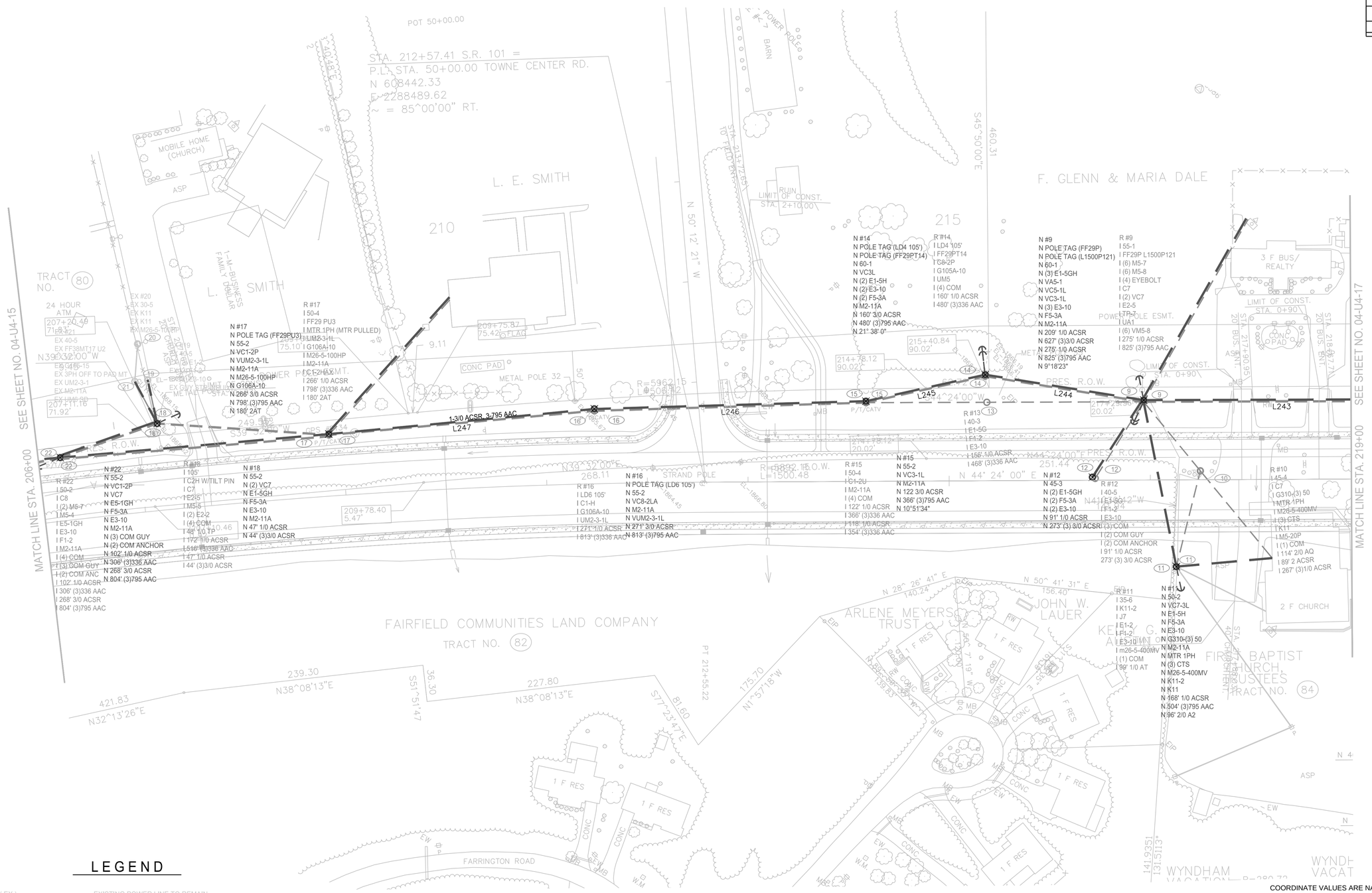
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	STP-101 (16)	U4-16
		18038-2237-14	

S.R. 101 CUMBERLAND CO.



LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
4	5

(SEE SHEET U4-1 FOR DETAILED NOTES)

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VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 206+00 TO STA. 219+00

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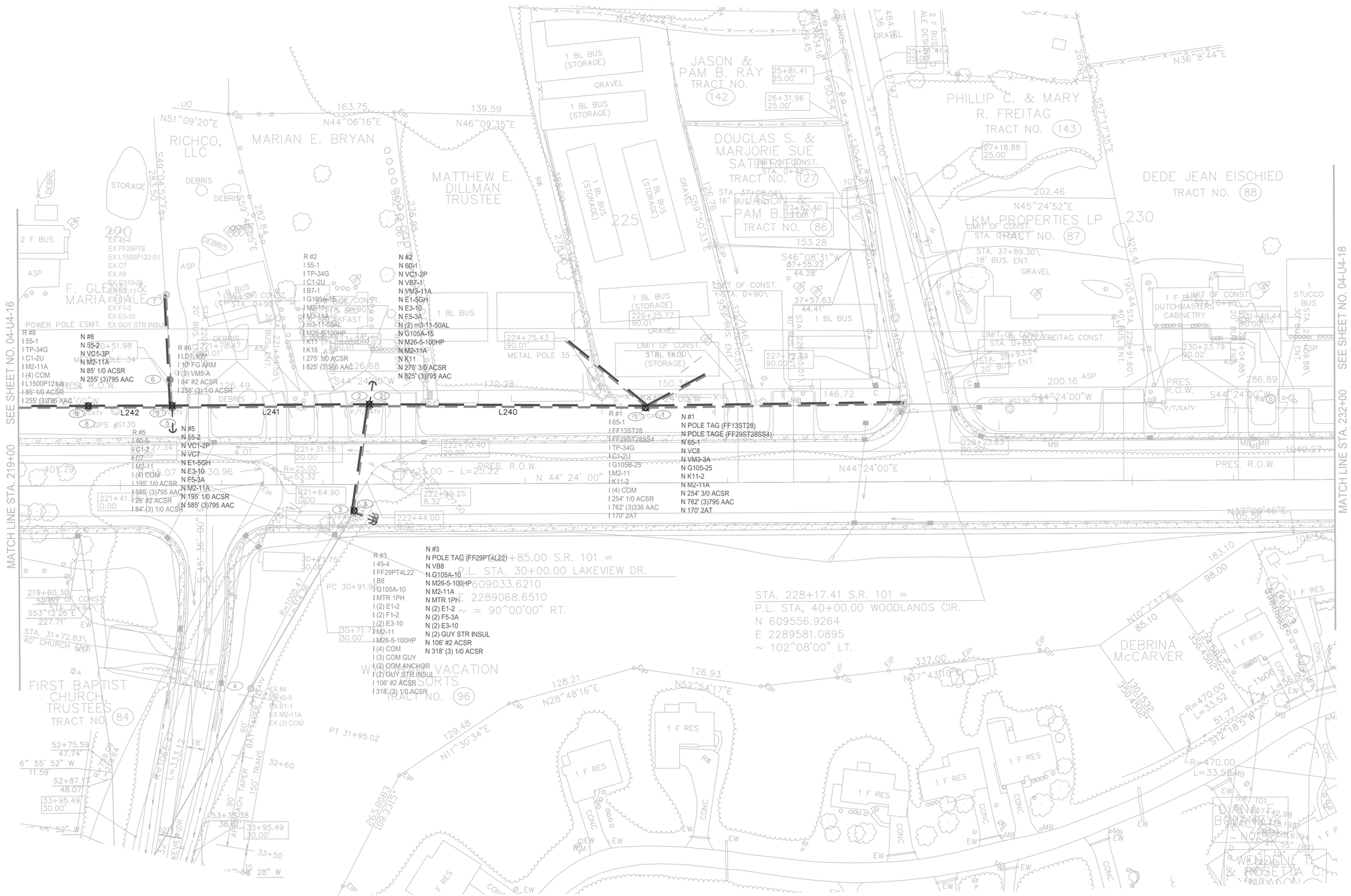
By: BookerS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	STP-101 (16)	U4-17

S.R. 101 CUMBERLAND CO.



LEGEND

(EX) EXISTING POWER LINE TO REMAIN

(I) (ITEM TO BE REMOVED)

(N) NEW CONSTRUCTION - LINE CHANGES

EXISTING POLES	
OUTSIDE R.O.W.	INSIDE R.O.W.
2	5

(SEE SHEET U4-1 FOR DETAILED NOTES)

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VOLUNTEER ENERGY COOPERATIVE

ELECTRIC RELOCATION

STA. 219+00 TO STA. 232+00

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