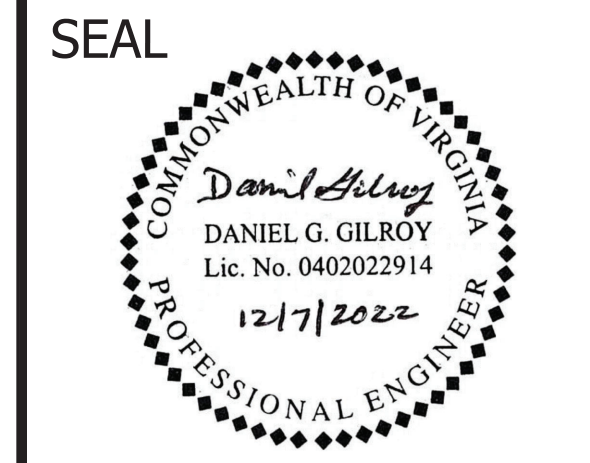


NOTE: REFER TO FIGURE TTC-28.2 NOTES FOR TAPER LENGTHS.

MAINTENANCE OF TRAFFIC - PHASE 10

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<i>[Signature]</i>	12/13/2022
DESIGN ENGINEER TEAM SUPERVISOR	
<i>[Signature]</i>	12/15/2022
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/14/22
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/14/22
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/15/2022
PROJECT MANAGER	

REVISIONS	DATE

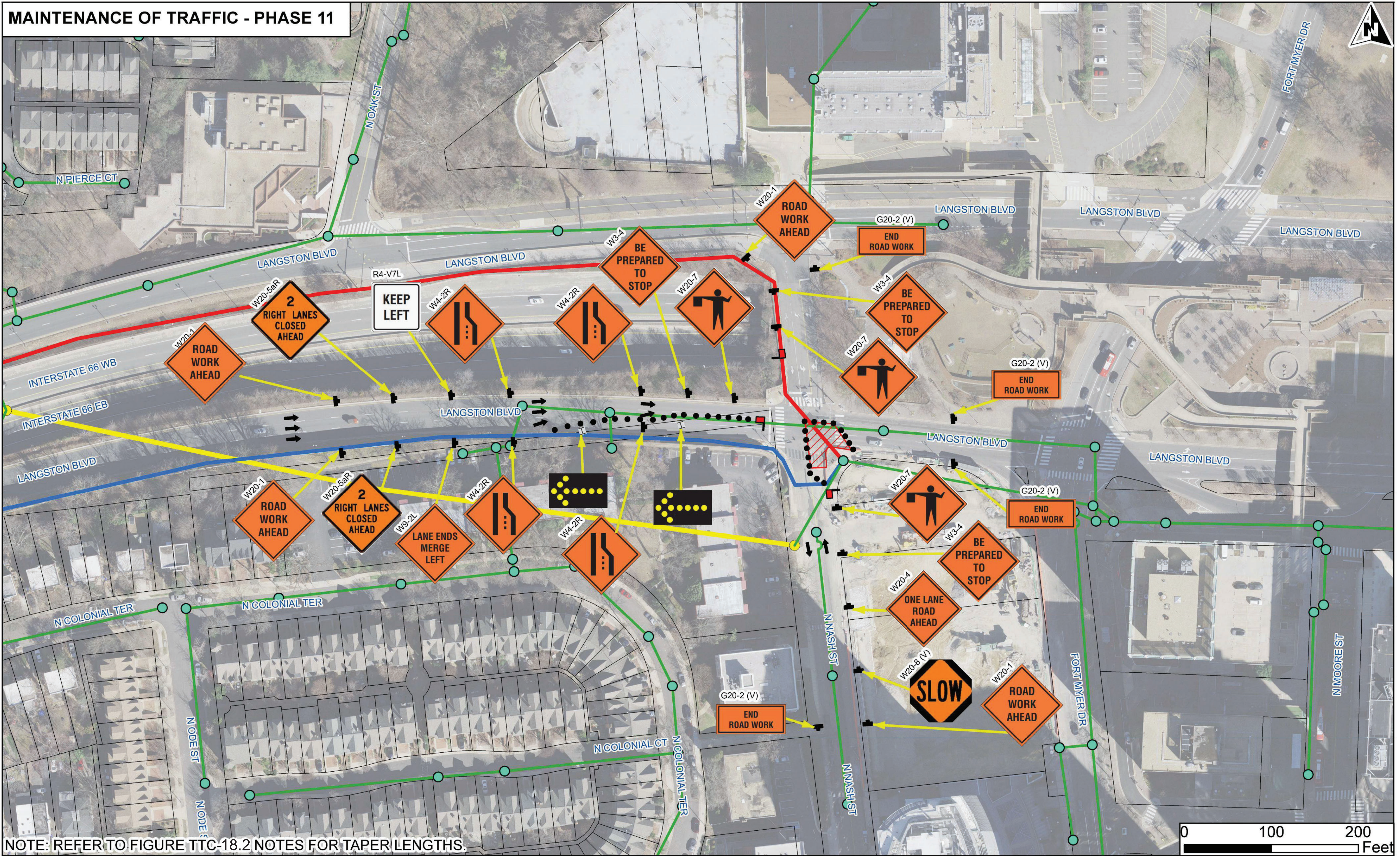
SPOUT RUN DEEP SEWER REHABILITATION

MAINTENANCE OF TRAFFIC
PHASE 10

DESIGNED: M. CHENG
 DRAWN: J. SOSA
 CHECKED: D. GILROY
 PLOTTED: DECEMBER 7 2022



MAINTENANCE OF TRAFFIC - PHASE 11



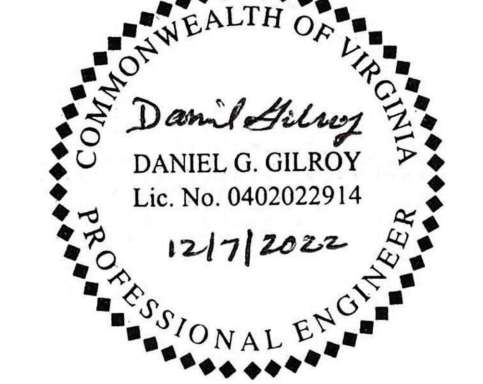
NOTE: REFER TO FIGURE TTC-18.2 NOTES FOR TAPER LENGTHS.



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<i>[Signature]</i>	12/14/22
WATER SEWER STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/14/22
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/15/2022
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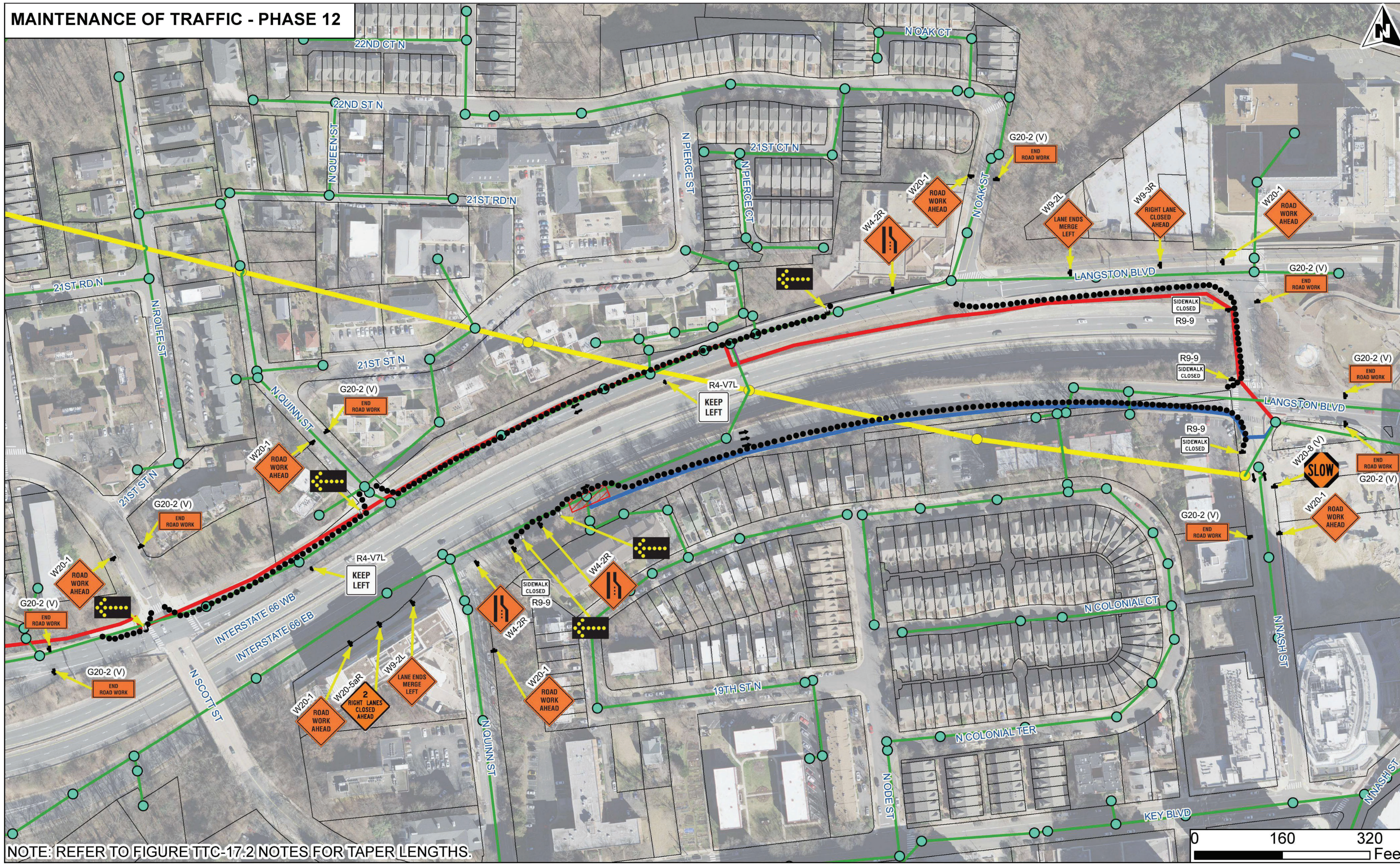
REVISIONS	DATE

SPOUT RUN DEEP SEWER REHABILITATION
 MAINTENANCE OF TRAFFIC
 PHASE 11

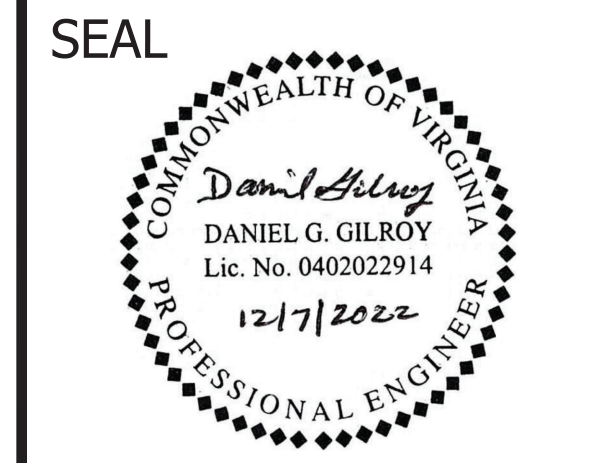
DESIGNED: M. CHENG
 DRAWN: J. SOSA
 CHECKED: D. GILROY
 PLOTTED: DECEMBER 7 2022



MAINTENANCE OF TRAFFIC - PHASE 12



NOTE: REFER TO FIGURE TTC-17.2 NOTES FOR TAPER LENGTHS.



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CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/14/22
WATER SEWER STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/14/22
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/15/2022
PROJECT MANAGER	

REVISIONS	DATE

SPOUT RUN DEEP SEWER REHABILITATION

MAINTENANCE OF TRAFFIC
PHASE 12

DESIGNED: M. CHENG
 DRAWN: J. SOSA
 CHECKED: D. GILROY
 PLOTTED: DECEMBER 7 2022

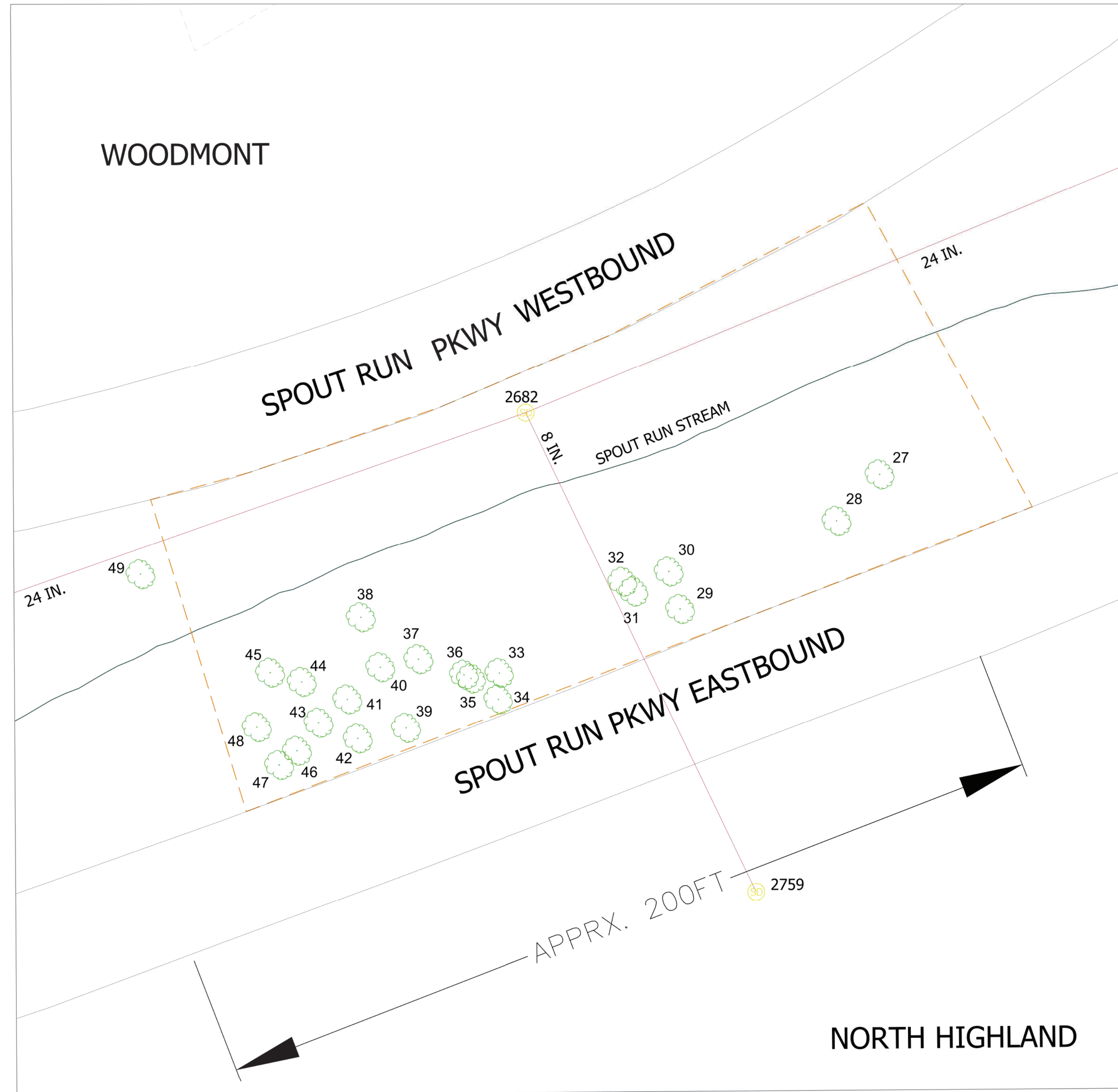


Tree #	Species
27	Platanus occidentalis
28	Ulmus americana
29	Ulmus americana
30	Quercus rubra
31	Ulmus americana
32	Ulmus americana
33	Ulmus americana
34	Ulmus americana
35	Ulmus americana
36	Ulmus americana
37	Ulmus americana
38	Platanus occidentalis
39	Ilex opaca
40	Ulmus americana
41	Ilex opaca
42	Ulmus americana
43	Ilex opaca
44	Morus alba
45	Ulmus americana
46	Juglans cinerea
47	Ilex opaca
48	Acer rubrum
49	Liriodendron tulipifera

SEE SHEET 46 OF 46 FOR COMPLETE TREE TABLE

NOTE:

- TREE SURVEY INFORMATION AS PROVIDED BY VOLKERT, INC.



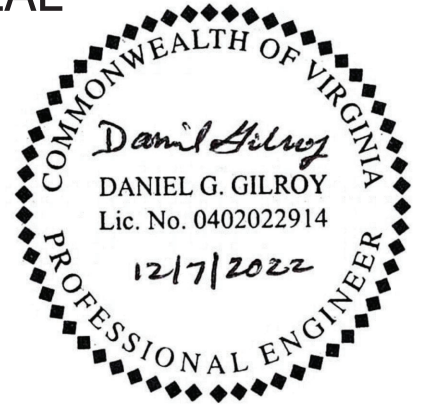
WEST SIDE - ZONE B
(SEE SHEET 10 FOR GENERAL LOCATION
AND SHEET 28 FOR WORK ZONE MAP)



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<i>[Signature]</i> CONSTRUCTION MANAGEMENT SUPERVISOR	12/15/2022
<i>[Signature]</i> WATER, SEWER, STREETS BUREAU CHIEF	12/14/22
<i>[Signature]</i> TRANSPORTATION DIRECTOR	12/14/22
<i>[Signature]</i> PROJECT MANAGER	12/15/2022

REVISIONS	DATE

SPOUT RUN DEEP SEWER REHABILITATION

TREE INVENTORY
PLAN 1

DESIGNED: R. PANNEERSELVAM
DRAWN: J. SOSA
CHECKED: D. GILROY
PLOTTED: DECEMBER 7 2022

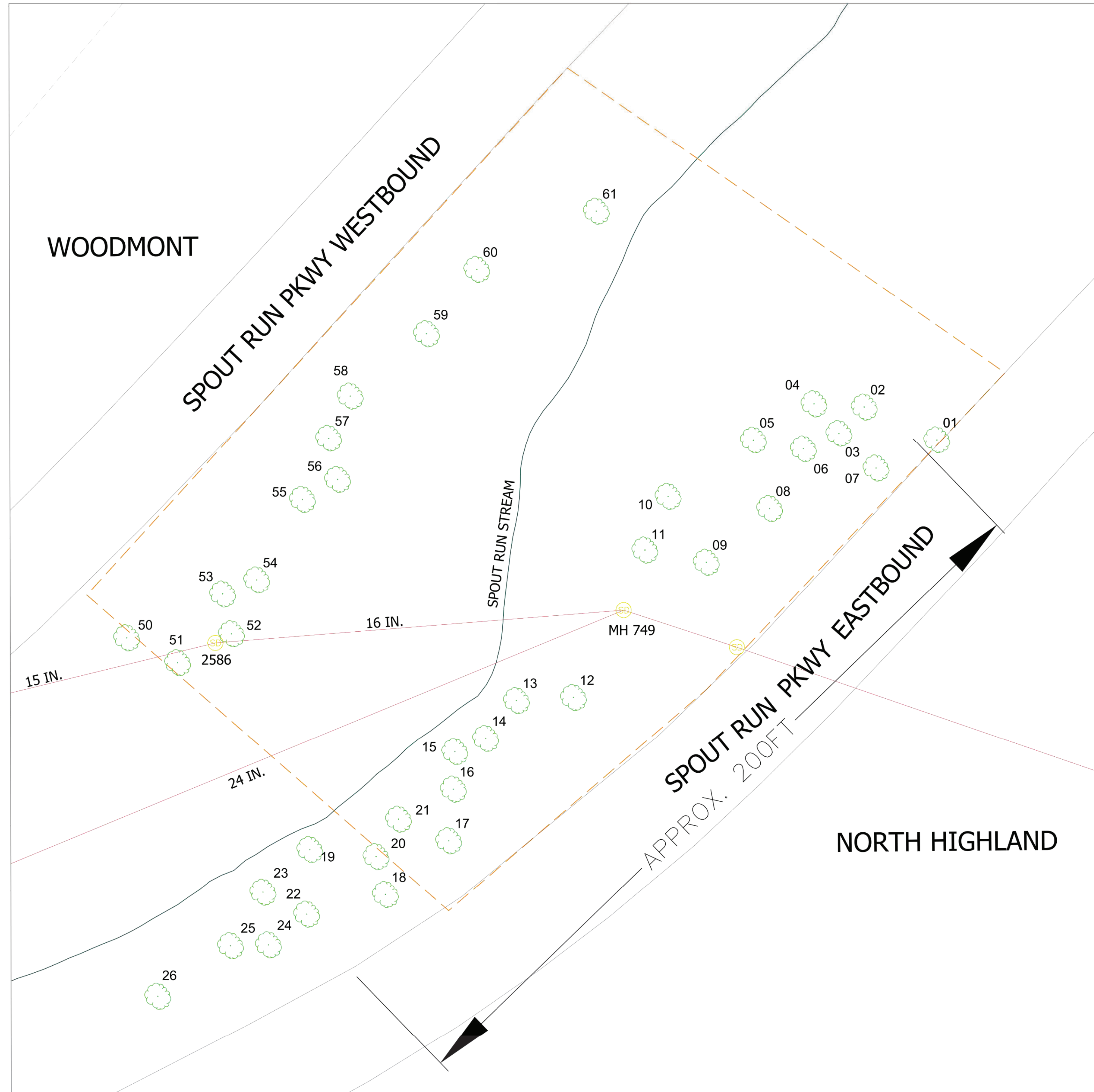


Tree #	Species
1	Liriodendron tulipifera
2	Liriodendron tulipifera
3	Diospyros virginiana
4	Fagus grandifolia
5	Platanus occidentalis
6	Diospyros virginiana
7	Acer platanoides
8	Liriodendron tulipifera
9	Juglans cinerea
10	Ulmus americana
11	Ulmus americana
12	Juglans cinerea
13	Ulmus americana
14	Juglans cinerea
15	Fagus grandifolia
16	Platanus occidentalis
17	Platanus occidentalis
18	Fraxinus americana
19	Liriodendron tulipifera
20	Ulmus americana
21	Ulmus americana
22	Ulmus americana
23	Platanus occidentalis
24	Acer rubrum
25	Ulmus americana
26	Ulmus americana
50	Platanus occidentalis
51	Platanus occidentalis
52	Liriodendron tulipifera
53	Platanus occidentalis
54	Fraxinus americana
55	Fraxinus americana
56	Fraxinus americana
57	Fraxinus americana
58	Platanus occidentalis
59	Ulmus americana
60	Platanus occidentalis
61	Platanus occidentalis

SEE SHEET 45 OF 46 FOR COMPLETE TREE TABLE

NOTE:

- TREE SURVEY INFORMATION AS PROVIDED BY VOLKERT, INC.



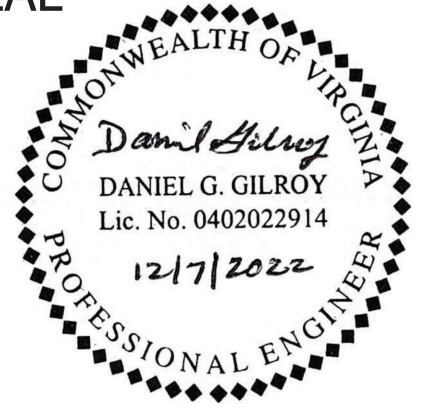
EAST SIDE - ZONE A
 (SEE SHEET 10 FOR GENERAL LOCATION
 AND SHEET 28 FOR WORK ZONE MAP)



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<i>[Signature]</i>	12/13/2022
DESIGN ENGINEER TEAM SUPERVISOR	
<i>[Signature]</i>	12/15/2022
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/14/22
WATER SEWER STREETS BUREAU CHIEF	
<i>Dennis W. Leach</i>	12/14/22
TRANSPORTATION DIRECTOR	
<i>Nicole Dean</i>	12/15/2022
PROJECT MANAGER	

REVISIONS	DATE

SPOUT RUN DEEP SEWER REHABILITATION
 TREE INVENTORY
 PLAN 2

DESIGNED: R. PANNEERSELVAM
 DRAWN: J. SOSA
 CHECKED: D. GILROY
 PLOTTED: DECEMBER 7 2022



NATIONAL PARK SERVICE - TREE TABLE

Preserve or Remove	Tree #	Species	Common name	DBH at 4.5 feet above ground (Inches)	CRZ (Feet)	S-CRZ (Feet)	Number of Stems	Condition Rating %	Condition Rating	Comments
	1	Liriodendron tulipifera	Tulip poplar	36	54	10	1	80%	Good	
	2	Liriodendron tulipifera	Tulip poplar	30	45	10	1	80%	Good	
	3	Diospyros virginiana	Common Persimmon	8	12	5	1	50%	Fair	
	4	Fagus grandifolia	American Beech	8	12	5	1	80%	Good	
	5	Platanus occidentalis	American Sycamore	8	12	5	1	80%	Good	
	6	Diospyros virginiana	Common Persimmon	8	12	5	1	50%	Fair	
	7	Acer platanoides	Norway Maple	22	22	9	1	80%	Good	
	8	Liriodendron tulipifera	Tulip poplar	10	10	6	1	50%	Fair	
	9	Juglans cinerea	Butternut	13	13	7	1	80%	Good	
	10	Ulmus americana	American Elm	8	12	5	1	50%	Fair	
	11	Ulmus americana	American Elm	8	12	5	1	50%	Fair	
	12	Juglans cinerea	Butternut	20	20	9	1	50%	Fair	
	13	Ulmus americana	American Elm	10	10	6	1	80%	Fair	
	14	Juglans cinerea	Butternut	10	10	6	1	50%	Good	
	15	Fagus grandifolia	American Beech	10	10	6	1	80%	Good	
	16	Platanus occidentalis	American Sycamore	14	14	7	1	80%	Good	
	17	Platanus occidentalis	American Sycamore	32	48	10	1	80%	Good	
	18	Fraxinus americana	White Ash	12	12	7	1	20%	Poor	
	19	Liriodendron tulipifera	Tulip poplar	14	14	7	1	50%	Fair	
	20	Ulmus americana	American Elm	8	12	5	1	80%	Good	
	21	Ulmus americana	American Elm	36	54	10	1	50%	Fair	
	22	Ulmus americana	American Elm	8	12	5	1	50%	Fair	
	23	Platanus occidentalis	American Sycamore	14	14	7	1	50%	Fair	
	24	Acer rubrum	Red Maple	10	10	6	1	50%	Fair	
	25	Ulmus americana	American Elm	20	20	9	1	50%	Fair	
	26	Ulmus americana	American Elm	20	20	9	1	20%	Poor	
	50	Platanus occidentalis	American Sycamore	24	24	10	1	50%	Fair	
	51	Platanus occidentalis	American Sycamore	12	12	7	1	50%	Fair	
	52	Liriodendron tulipifera	Tulip poplar	12	12	7	1	50%	Fair	
	53	Platanus occidentalis	American Sycamore	20	20	9	1	50%	Fair	
	54	Fraxinus americana	White Ash	24	24	10	1	20%	Poor	
	55	Fraxinus americana	White Ash	22	22	9	1	20%	Poor	
	56	Fraxinus americana	White Ash	22	22	9	1	20%	Poor	
	57	Fraxinus americana	White Ash	22	22	9	1	20%	Poor	
	58	Platanus occidentalis	American Sycamore	34	51	10	1	80%	Good	
	59	Ulmus americana	American Elm	10	10	6	1	80%	Good	
	60	Platanus occidentalis	American Sycamore	30	45	10	1	0%	Dead	Dead
	61	Platanus occidentalis	American Sycamore	30	45	10	1	80%	Good	
Total										

Zone A

NOTE:

- TREE SURVEY INFORMATION AS PROVIDED BY VOLKERT, INC.



DEPARTMENT OF ENVIRONMENTAL SERVICES
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DESIGN ENGINEER TEAM SUPERVISOR	
<i>[Signature]</i>	12/15/2022
CONSTRUCTION MANAGEMENT SUPERVISOR	
<i>[Signature]</i>	12/14/22
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/14/22
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/15/2022
PROJECT MANAGER	

REVISIONS DATE

REVISIONS	DATE

SPOUT RUN DEEP SEWER REHABILITATION

TREE INVENTORY TABLE 1

DESIGNED: R. PANNEERSELVAM
 DRAWN: J. SOSA
 CHECKED: D. GILROY
 PLOTTED: DECEMBER 7 2022



10560 Arrowhead Drive, Suite 500
 Fairfax, VA 22030
 Tel: (703) 691-6500

NATIONAL PARK SERVICE - TREE TABLE

	Preserve or Remove	Tree #	Species	Common name	DBH (Inches)	CRZ (Feet)	S-CRZ (Feet)	Number of Stems	Condition Rating %	Condition Rating	Comments
Zone B		27	Platanus occidentalis	American Sycamore	16	16	8	1	80%	Fair	
		28	Ulmus americana	American Elm	14	14	7	1	50%	Good	
		29	Ulmus americana	American Elm	8	12	5	1	50%	Fair	
		30	Quercus rubra	Red Oak	8	12	5	1	80%	Good	
		31	Ulmus americana	American Elm	10	10	6	1	80%	Fair	
		32	Ulmus americana	American Elm	12	12	7	1	50%	Good	
		33	Ulmus americana	American Elm	10	10	6	1	50%	Good	
		34	Ulmus americana	American Elm	10	10	6	1	50%	Good	
		35	Ulmus americana	American Elm	10	10	6	1	50%	Good	
		36	Ulmus americana	American Elm	6	8	5	1	80%	Fair	
		37	Ulmus americana	American Elm	10	10	6	1	50%	Good	
		38	Platanus occidentalis	American Sycamore	20	20	9	1	20%	Poor	
		39	Ilex opaca	American Holly	6	8	5	1	80%	Good	
		40	Ulmus americana	American Elm	8	12	5	1	20%	Poor	
		41	Ilex opaca	American Holly	8	12	5	1	80%	Good	
		42	Ulmus americana	American Elm	14	14	7	1	50%	Fair	
		43	Ilex opaca	American Holly	8	12	5	1	80%	Good	
		44	Morus alba	White Mulberry	10	10	6	1	80%	Fair	
		45	Ulmus americana	American Elm	12	12	7	1	50%	Fair	
	46	Juglans cinerea	Butternut	12	12	7	1	50%	Fair		
	47	Ilex opaca	American Holly	8	12	5	1	50%	Fair		
	48	Acer rubrum	Red Maple	14	14	7	1	0%	Dead	Dead	
	49	Liriodendron tulipifera	Tulip poplar	24	24	10	1	80%	Fair		
Total											

NOTE:

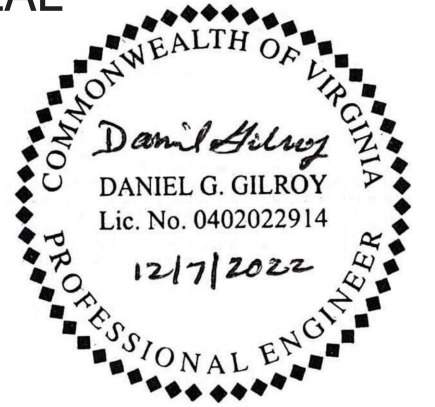
1. TREE SURVEY INFORMATION AS PROVIDED BY VOLKERT, INC.



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<i>[Signature]</i>	12/14/22
WATER, SEWER, STREETS BUREAU CHIEF	
<i>[Signature]</i>	12/14/22
TRANSPORTATION DIRECTOR	
<i>[Signature]</i>	12/15/2022
PROJECT MANAGER	

REVISIONS DATE

REVISIONS	DATE

SPOUT RUN DEEP SEWER REHABILITATION

TREE INVENTORY TABLE 2

DESIGNED: R. PANNEERSELVAM
 DRAWN: J. SOSA
 CHECKED: D. GILROY
 PLOTTED: DECEMBER 7 2022

