

38" RED MAPLE (TREE#45) IN GOOD CONDITION. TREE IS ON SLOPE. VERY LIKELY THAT THE STRUCTURAL ROOT ZONE OF THE TREE WILL BE AFFECTED. TREE TO BE REMOVED.



7" WEeping JAPANESE MAPLE (TREE#44) IN GOOD CONDITION. VERY CLOSE TO PATH OF SIDEWALK. PRUNING MAY BE REQUIRED.



20" YOSHINO CHERRY (TREE#43) IN GOOD CONDITION. ON SLOPE, GRADING MAY IMPACT CRITICAL ROOT ZONE.



12" SAUCER MAGNOLIA (TREE#42) IN GOOD CONDITION. CO-DOMINANT



10" JAPANESE CRYPTOMERIA (TREE#40) & 12" JAPANESE CRYPTOMERIA (TREE#41) BOTH IN EXCELLENT CONDITION. ADJACENT TO THE SIDEWALK AREA. BRANCHES WOULD HAVE TO BE PRUNED AWAY OR TREE TO BE REMOVED.



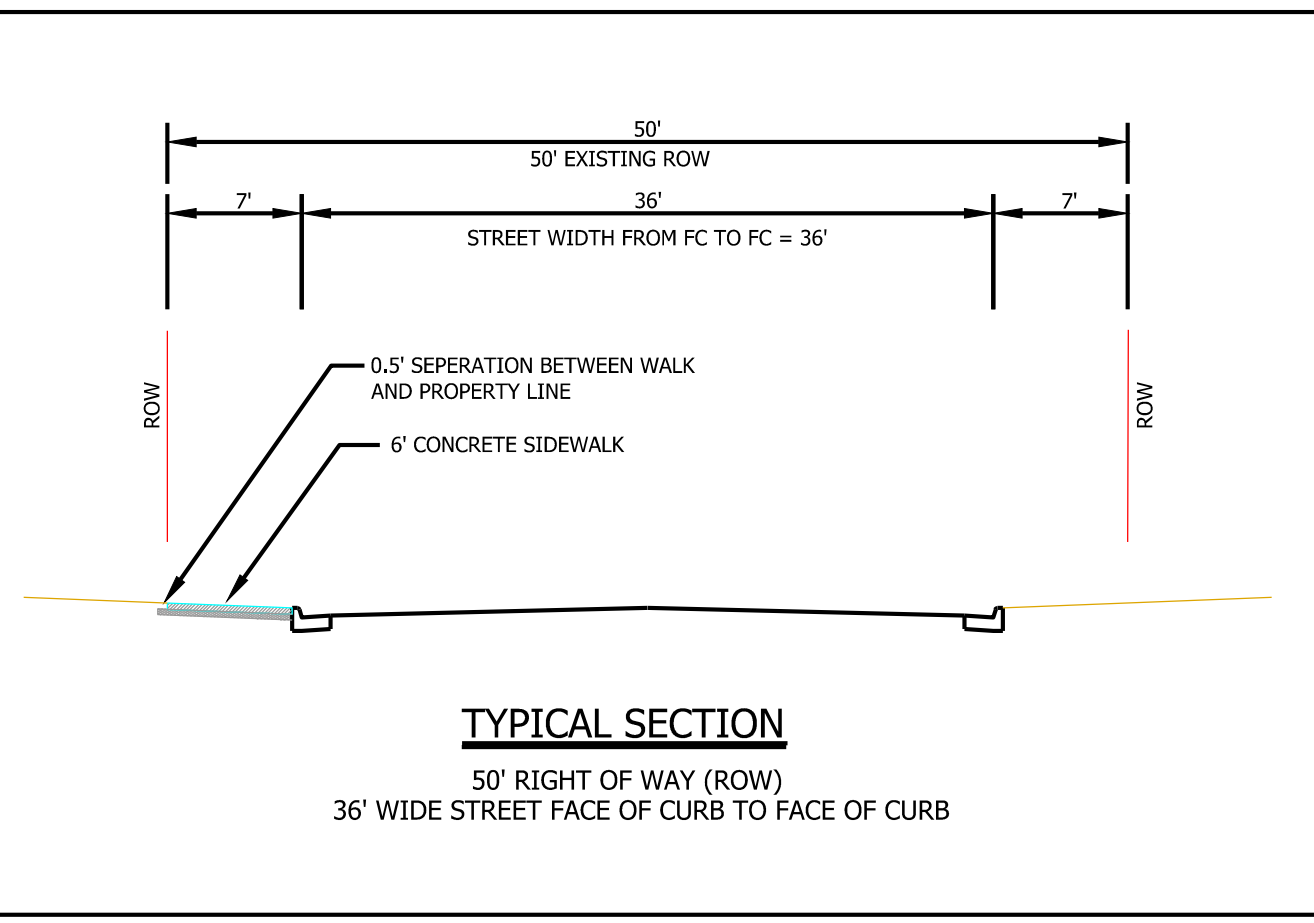
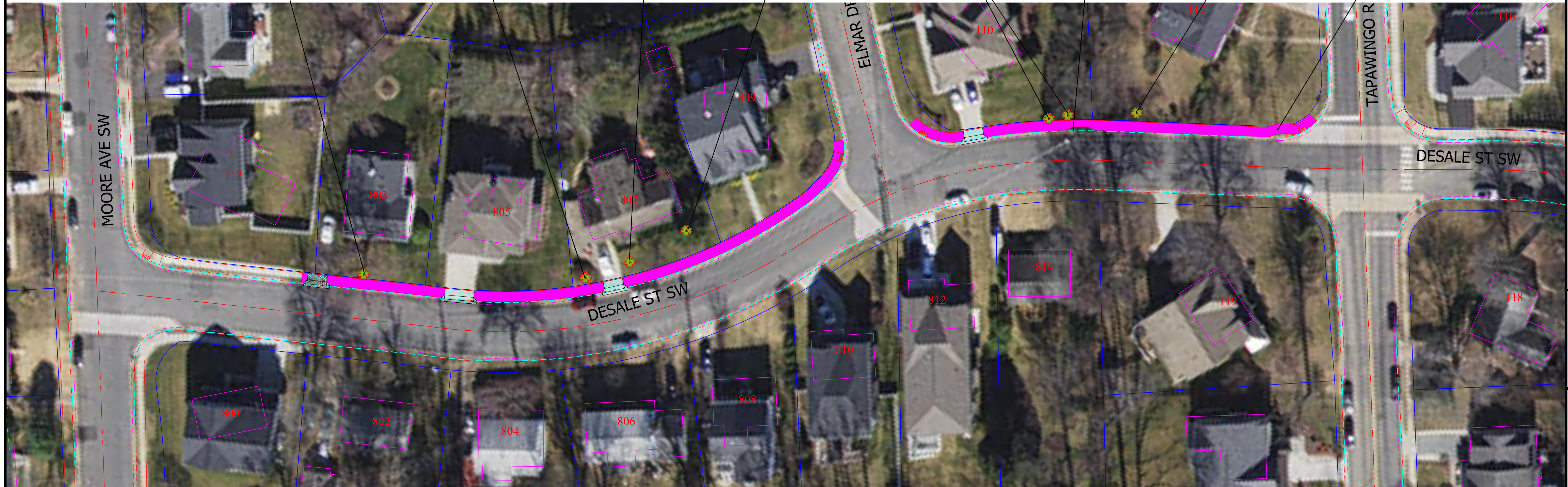
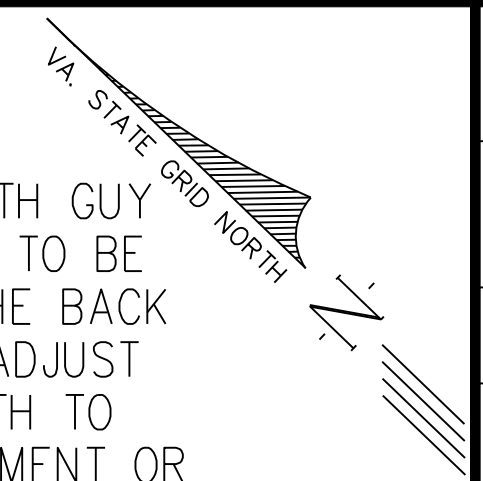
UTILITY POLE WITH GUY WIRE. SIDEWALK TO BE PROPOSED AT THE BACK OF THE POLE. ADJUST SIDEWALK WIDTH TO MINIMUM 4'.



14" FLOWERING DOGWOOD (TREE#39) IN FAIR CONDITION. CO-DOMINANT WITH DECAY. SIGNIFICANTLY HIGHER THAN CURB, GRADING FOR WALK MAY IMPACT CRITICAL ROOT ZONE.



UTILITY POLE WITH GUY WIRE. SIDEWALK TO BE PROPOSED AT THE BACK OF THE POLE. ADJUST SIDEWALK WIDTH TO MINIMUM 4'. EASEMENT OR RIGHT OF ENTRY MAY BE REQUIRED.

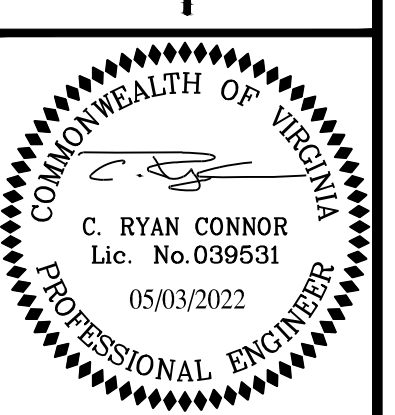
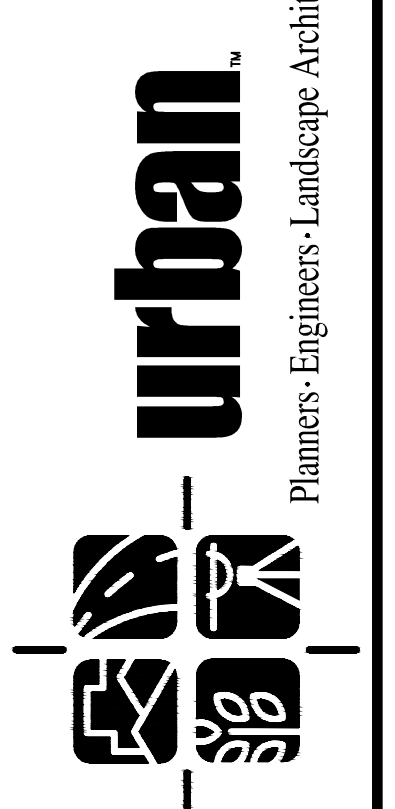


CONCEPT 1
SIDEWALK ALONG ODD SIDE ADDRESS OF DESALE ST SW. THE SIDEWALK WILL EXTEND FROM THE MOORE AVE SW INTERSECTION TO THE DEAD END OF DESALE ST SW. THE CONCEPT INCLUDES THE SIDEWALK AND ADA RAMPS AT EACH INTERSECTION AND PROVIDES CONNECTION WITH ELMAR DR SW, TAPAWINGO RD SW & MELODY LANE SW. THIS WILL ALLOW THE PEDESTRIAN ACCESS TO THE MOORE AVE SW, ELMAR DR SW, TAPAWINGO RD SW & MELODY LANE SW.

No.	DATE	DESCRIPTION	REVIEWED	DATE

PLAN DATE
05/03/2022

Urban Ltd
7110 Little River Turnpike
Annandale, Virginia 22003
Tel: 703.642.8080
Fax: 703.642.8251
www.urban-llc.com



CONCEPT 1
DESALE STREET SW
CONCEPT STUDY
TOWN OF VIENNA
FAIRFAX COUNTY, VIRGINIA
DATE: MAY, 2022
SCALE: 1"=30'
C.I. N/A

SHEET
1
OF
6
FILE No.
PP-2528

UTILITY POLE WITH GUY WIRE. SIDEWALK TO BE PROPOSED AT THE BACK OF THE POLE. ADJUST SIDEWALK WIDTH TO MINIMUM 4'. TIE WITH EX. SIDEWALK



8" ARISTOCRAT PEAR (TREE#37) IN GOOD CONDITION. ON SLIGHT UPHILL SLOPE; GRADING MAY IMPACT TREE.



6" RED MAPLE (TREE#36) IN EXCELLENT CONDITION. CRITICAL ROOT ZONE MAY BE IMPACTED.



5" CHINESE ELM (TREE#34) IN EXCELLENT CONDITION. YOUNG TREE CLOSE TO PATH OF WALK; MAY BE AFFECTED.



14" JAPANESE MAPLE (TREE#33) IN GOOD CONDITION. LOW BRANCHES OVERHANG STREET; TREE IS IN PATH OF WALK, TREE TO BE REMOVED.



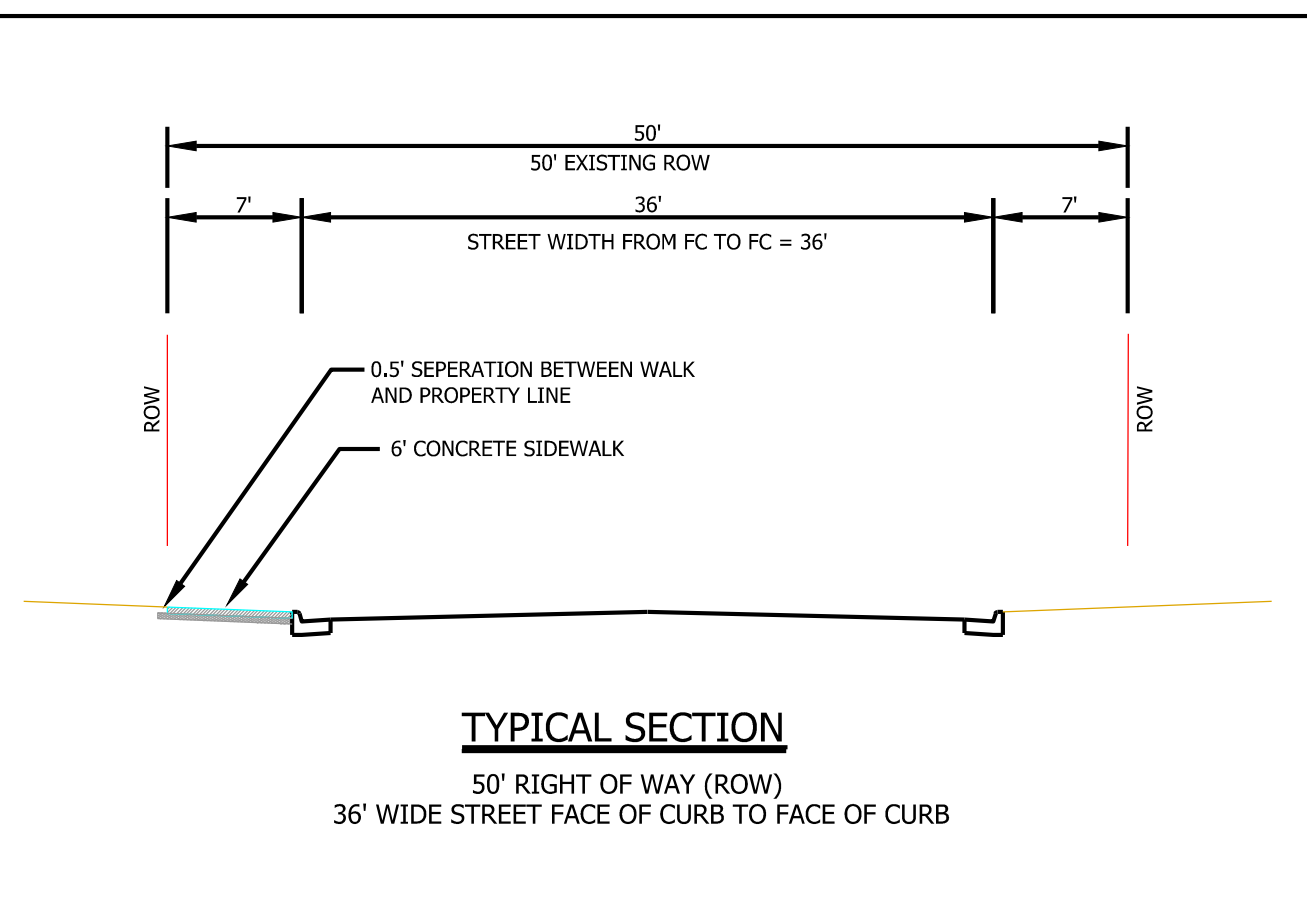
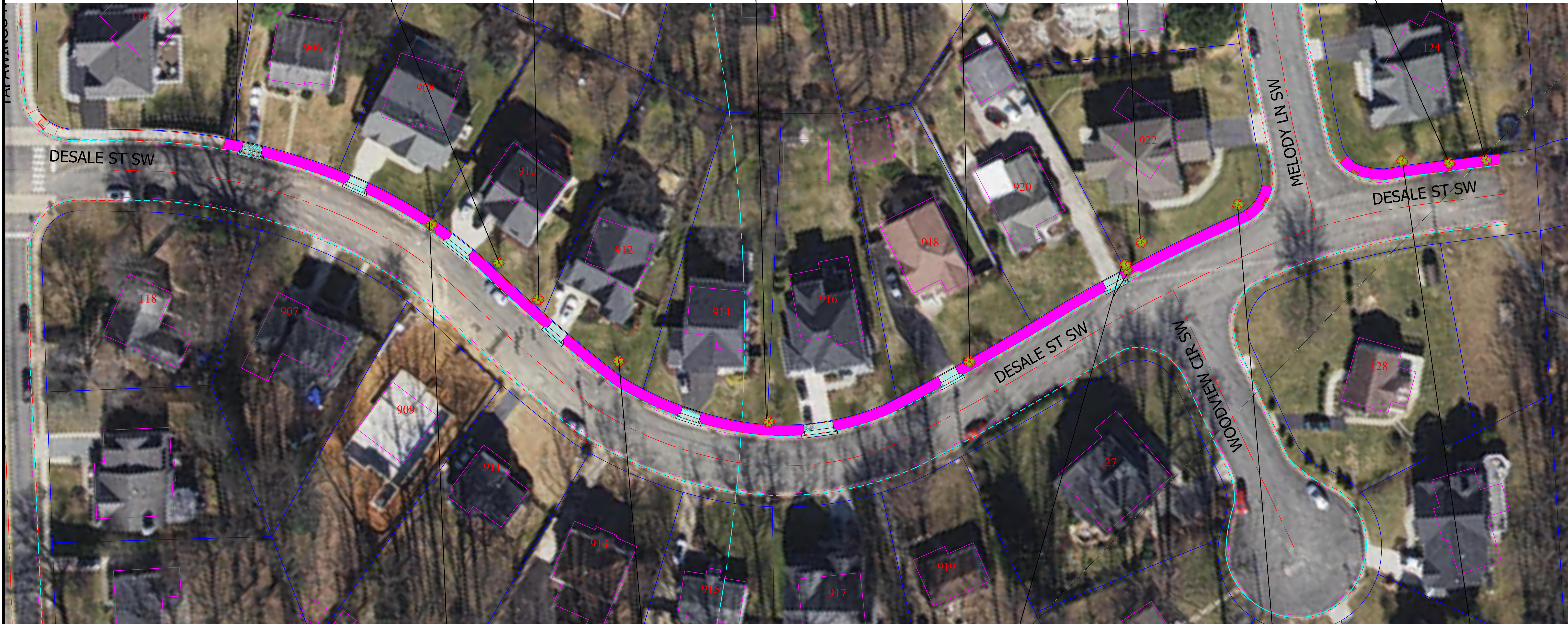
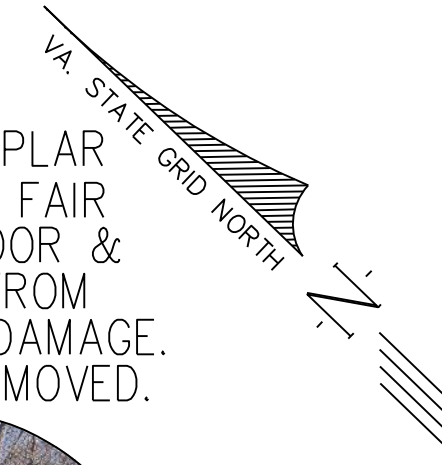
8" WILLOW OAK (TREE#30) IN EXCELLENT CONDITION. YOUNG TREE.



23" VIRGINIA PINE (TREE#27), DEAD. TREE TO BE REMOVED.



13" TULIP POPLAR (TREE#26) IN FAIR CONDITION. POOR & SUFFERING FROM CONSTRUCTION DAMAGE. TREE TO BE REMOVED.



6" YOSHINO CHERRY (TREE#38) IN GOOD CONDITION. SLIGHT LEAN. TREE IS CLOSE TO UTILITY POLE AND IN PATH OF WALK. TREE TO BE REMOVED. PROPOSE SIDEWALK AT THE BACK OF POLE.



6" RED MAPLE (TREE#35) IN EXCELLENT CONDITION. TREE IS CLOSE TO ROW. CRITICAL ROOT ZONE MAY BE AFFECTED.



2-5" AMERICAN ARBORVITAE (TREE#31 & 32) IN EXCELLENT CONDITION. IN PATH OF WALK. TREES TO BE REMOVED. SIDEWALK TO BE PROPOSED AT THE BACK OF POLE WITH MINIMUM 4' WIDTH.



4" SWEETGUM (TREE#29) IN EXCELLENT CONDITION. YOUNG TREE. ON SLIGHT SLOPE, GRADING MAY IMPACT CRITICAL ROOT ZONE.



6" CHESTNUT OAK (TREE#28) IN EXCELLENT CONDITION. YOUNG TREE. UPHILL SLOPE. GRADING MAY IMPACT CRITICAL ROOT ZONE.



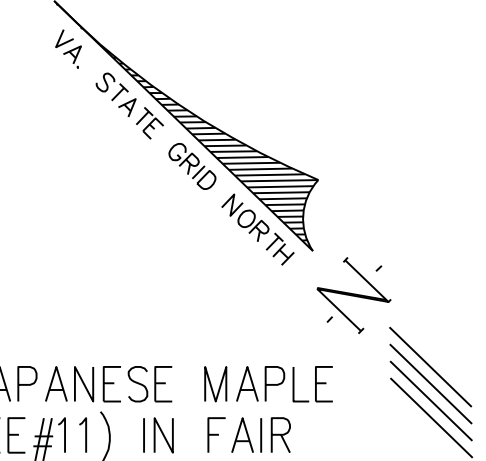
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CONCEPT 1
DESALE STREET SW
CONCEPT STUDY
TOWN OF VIENNA
FAIRFAX COUNTY, VIRGINIA
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SHEET 2 OF 6
FILE No. PP-2528



24" RED MAPLE (TREE#1) IN GOOD CONDITION. SLIGHT LEAN; CO-DOMINANT



24" RED MAPLE (TREE#2) IN POOR CONDITION. NEARLY DEAD, SIGNIFICANT DECAY; ONE-SIDED CANOPY



UTILITY POLE WITH GUY WIRE. INSTALL SIDEWALK AT THE BACK OF THE POLE AND REDUCE WIDTH TO MINIMUM 4'.



8" YOSHINO CHERRY (TREE#5) IN GOOD CONDITION. TREE IS IN ROW. TREE TO BE REMOVED.



UTILITY POLE WITH GUY WIRE. SIDEWALK TO BE PROPOSED AT THE BACK OF THE POLE. ADJUST SIDEWALK WIDTH TO MINIMUM 4'.



26" RED MAPLE IN (TREE#7) GOOD CONDITION. CO-DOMINANT. GRADING MAY IMPACT CRITICAL ROOT ZONE.



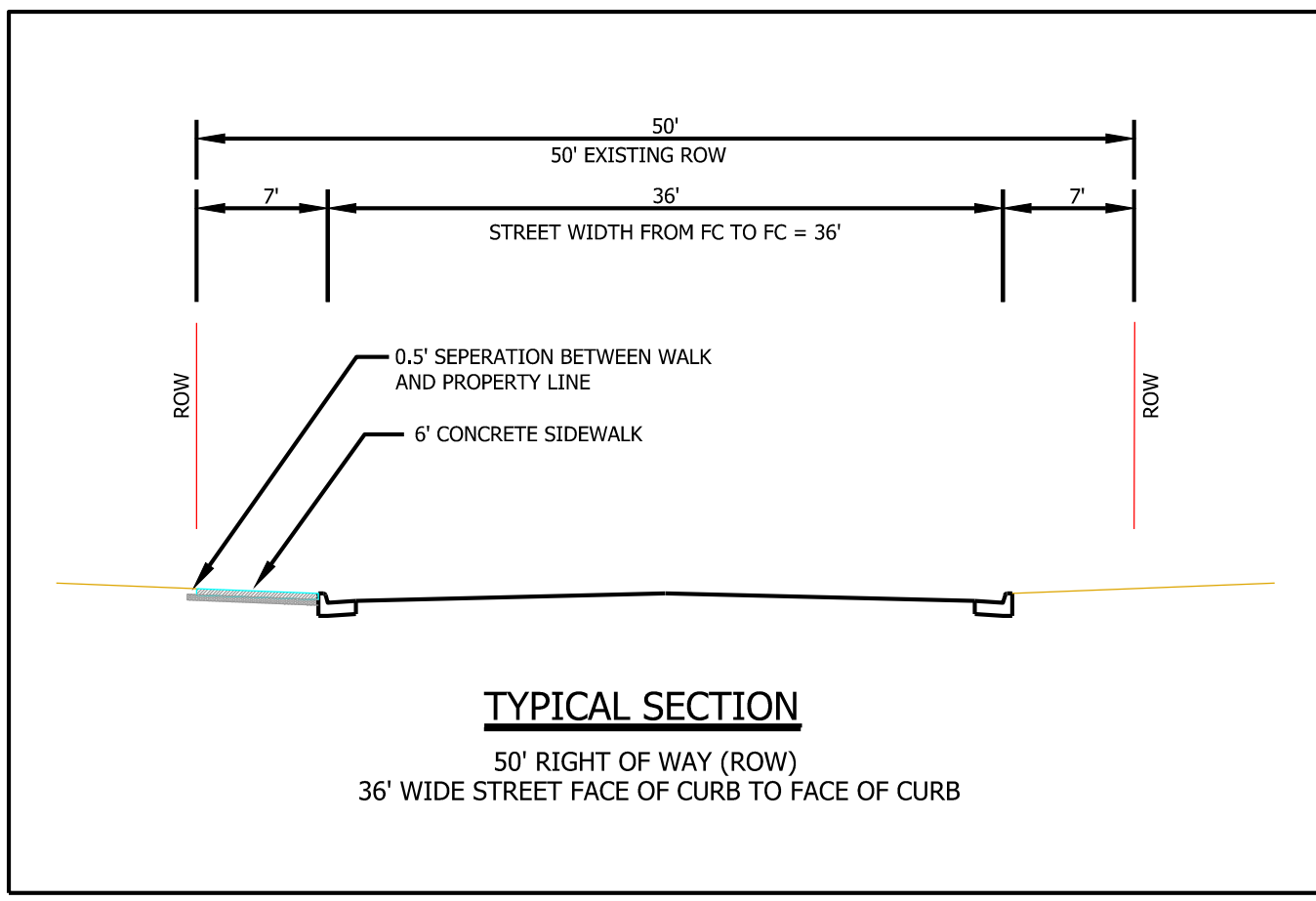
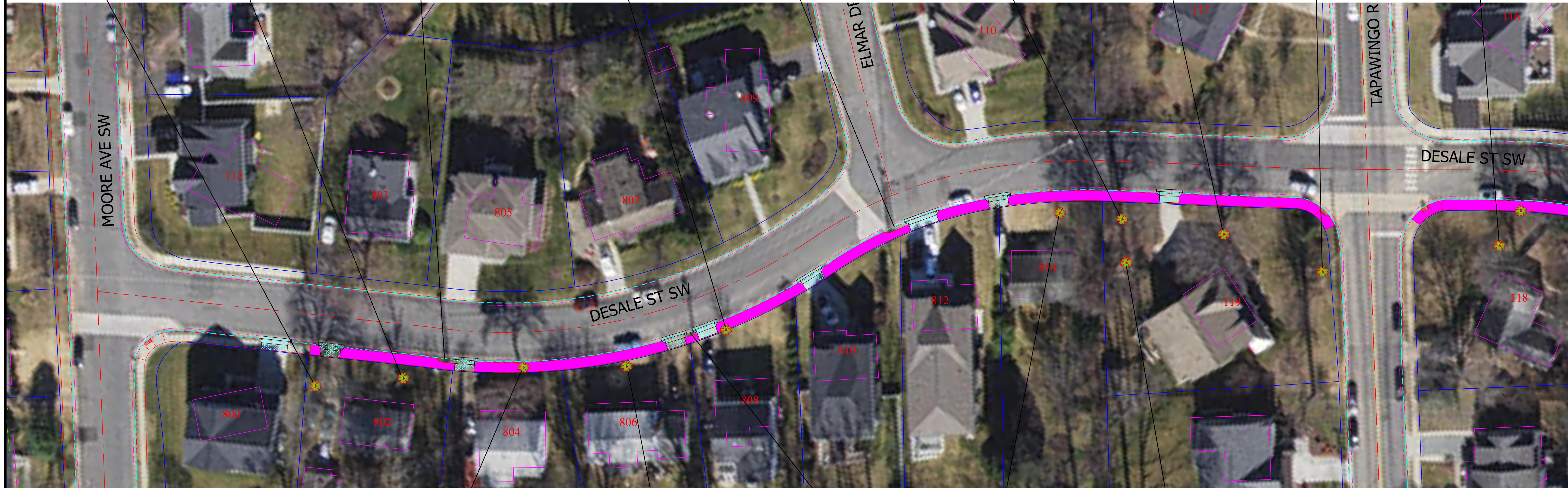
32" RED MAPLE (TREE#9) IN FAIR CONDITION. TRUNK DECAY. MULTI-TRUNK WITH POOR STRUCTURE.



6" DEODAR CEDAR (TREE#10) IN GOOD CONDITION. YOUNG TREE. ON SLOPE; GRADING MAY IMPACT CRITICAL ROOT ZONE.



30" JAPANESE MAPLE (TREE#11) IN FAIR CONDITION. SIGNIFICANT TRUNK DECAY, LOW BRANCHES & DIEBACK.



24" RED MAPLE (TREE#3) IN GOOD CONDITION. STREET SIDE HEAVILY PRUNED FOR POWER LINES. TREE TO BE REMOVED



10" MUTITRUNK DOGWOOD (TREE#4) IN GOOD CONDITION. LOW BRANCHES MAY NEED TO BE PRUNED FOR WALK CLEARANCE. TREE TO BE REMOVED.



UTILITY POLE WITH GUY WIRE. SIDEWALK TO BE PROPOSED AT THE BACK OF THE POLE. ADJUST SIDEWALK WIDTH TO MINIMUM 4'.



8" RED MAPLE (TREE#6) IN GOOD CONDITION. CO-DOMINANT; SEVERE V CROTCH



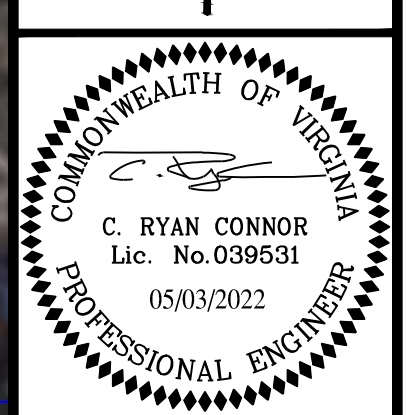
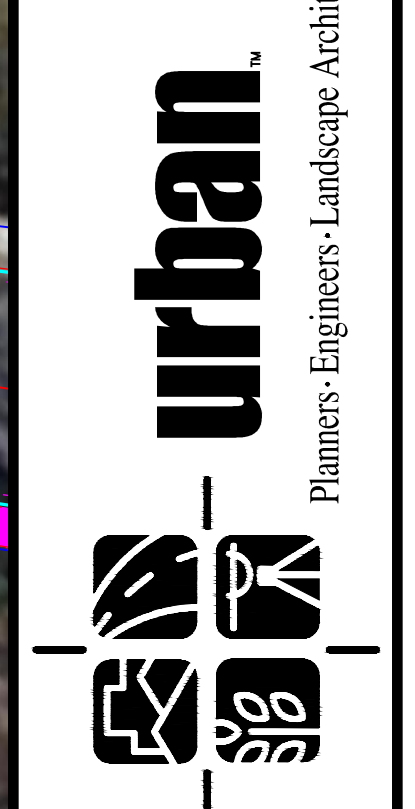
38" TULIP POPLAR (TREE#8) IN EXCELLENT CONDITION. LARGE TREE WITH EXTENSIVE CRITICAL ROOT ZONE.

CONCEPT 2
SIDEWALK ALONG EVEN SIDE ADDRESS OF DESALE ST SW. THE SIDEWALK WILL EXTEND FROM THE MOORE AVE SW INTERSECTION TO THE DEAD END OF DESALE ST SW. THE CONCEPT INCLUDES THE SIDEWALK AND ADA RAMPS AT EACH INTERSECTION AND PROVIDES DIRECT CONNECTION WITH TAPAWINGO RD SW & WOOD VIEW CIRCLE SW. THIS WILL ALLOW THE PEDESTRIAN ACCESS TO THE MOORE AVE SW, TAPAWING RD SW & WOOD VIEW CIRCLE SW..

NO.	DATE	DESCRIPTION	REV/BY	APPROVED	DATE

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CONCEPT 2
DESALE STREET SW
CONCEPT STUDY
TOWN OF VIENNA
FAIRFAX COUNTY, VIRGINIA
DATE: MAY, 2022
SCALE: 1"=30'
C.I. N/A

SHEET
3
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20" RED MAPLE (TREE#12) IN GOOD CONDITION. SIDEWALK MAY IMPACT THE STRUCTURAL ROOT ZONE. TREE TO BE REMOVED.



46" TULIP POPLAR (TREE#13) IN GOOD CONDITION. VERY LARGE CO-DOMINANT WITH EXTENSIVE CRITICAL ROOT ZONE.



16" MULTI-TRUNK RED MAPLE (TREE#14) IN FAIR CONDITION. LEANING OVER. VERY CLOSE TO WALKWAY LOCATION, IMPACT TO CRITICAL ROOT ZONE.



6" WEeping CHERRY (TREE#15) IN GOOD CONDITION. TRUNK DECAY, TREE IN PATH OF WALK. TREE TO BE REMOVED.



6" SAUCER MAGNOLIA (TREE#16) IN GOOD CONDITION. TREE AT PATH OF THE SIDE WALK. SIGNIFICANT IMPACT TO TREE. TREE TO BE REMOVED.



UTILITY POLE WITH GUY WIRE. SIDEWALK TO BE PROPOSED AT THE BACK OF THE POLE. ADJUST SIDEWALK WIDTH TO MINIMUM 4'.



2" FLOWERING DOGWOOD (TREE#23) IN GOOD CONDITION. TREE IN THE PATH OF SIDEWALK. TREE TO BE REMOVED.



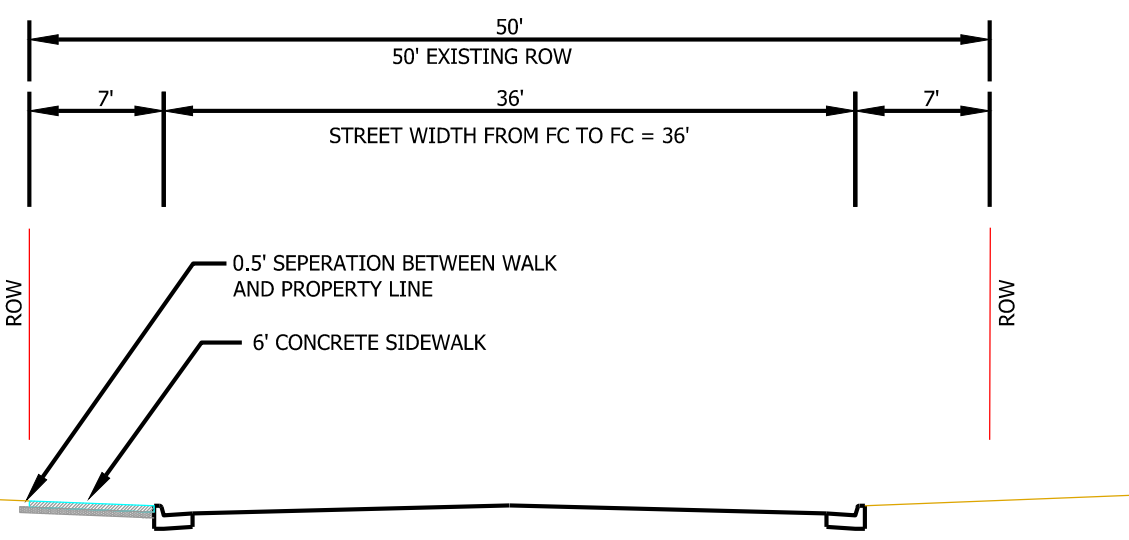
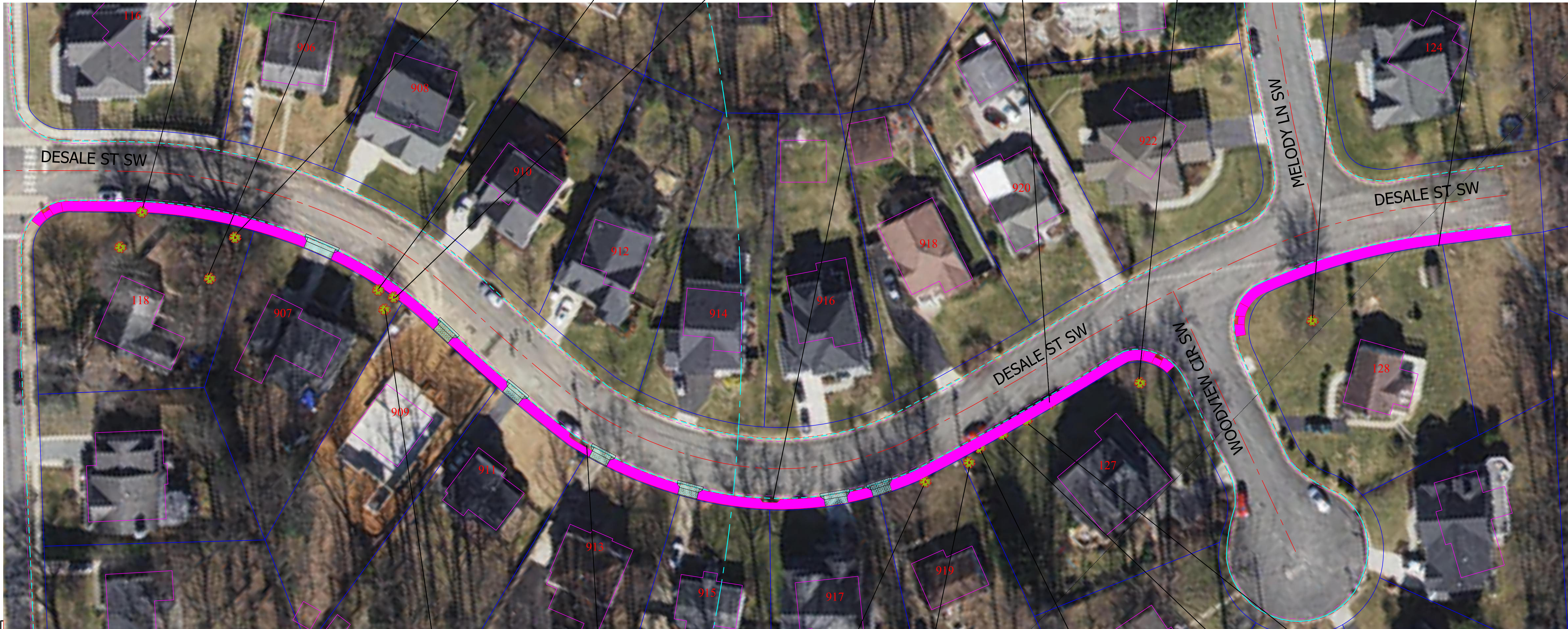
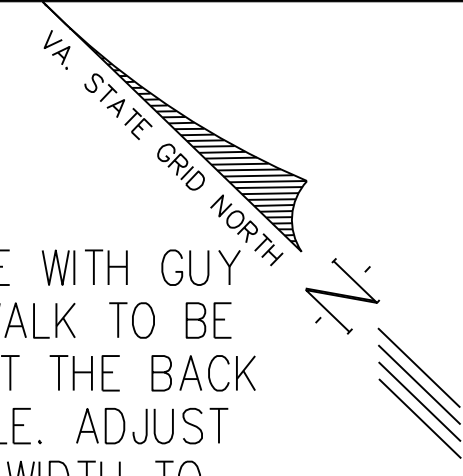
11" RED MAPLE (TREE#24) IN EXCELLENT CONDITION. TREE ON SLOPE, GRADING WOULD IMPACT CRITICAL ROOT ZONE.



14" RED MAPLE (TREE#25) IN GOOD CONDITION.



UTILITY POLE WITH GUY WIRE. SIDEWALK TO BE PROPOSED AT THE BACK OF THE POLE. ADJUST SIDEWALK WIDTH TO MINIMUM 4'.



TYPICAL SECTION

50' RIGHT OF WAY (ROW)
36' WIDE STREET FACE OF CURB TO FACE OF CURB



9" YOSHINO CHERRY (TREE#17) IN GOOD CONDITION. SLIGHT LEAN TO HOUSE. CRITICAL ROOT ZONE MAY BE IMPACTED.



UTILITY POLE WITH GUY WIRE. SIDEWALK TO BE PROPOSED AT THE BACK OF THE POLE. ADJUST SIDEWALK WIDTH TO MINIMUM 4'.



26" TULIP POPLAR (TREE#18) IN GOOD CONDITION. CRITICAL ROOT ZONE MAY BE IMPACTED. TREE TO BE REMOVED.



4" KOUSA DOGWOOD (TREE#19) IN EXCELLENT CONDITION. TREE IN PATH OF SIDEWALK. TREE TO BE REMOVED.



4" KOUSA DOGWOOD (TREE#20) IN EXCELLENT CONDITION. TREE IN PATH OF SIDEWALK. TREE TO BE REMOVED.



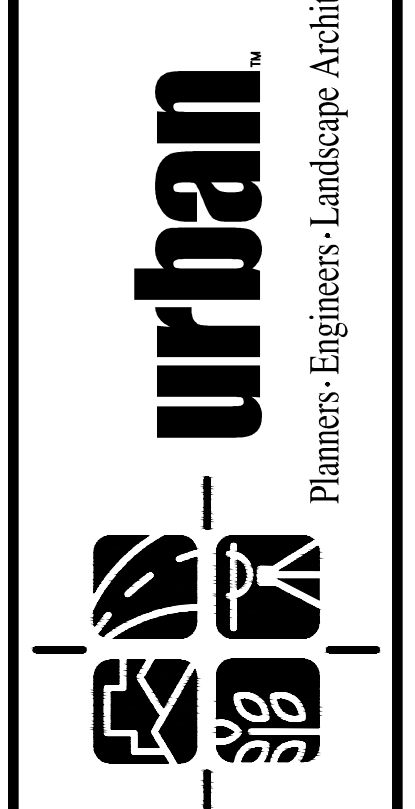
3" KOUSA DOGWOOD (TREE#21) IN GOOD CONDITION. TREE IN PATH OF SIDEWALK. TREE TO BE REMOVED.



3" KOUSA DOGWOOD (TREE#21) IN GOOD CONDITION. TREE IN PATH OF SIDEWALK. TREE TO BE REMOVED.

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DESALE STREET SW
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 TOWN OF VIENNA
 FAIRFAX COUNTY, VIRGINIA
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 4
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 6
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ANALYSIS OF CONCEPT 1-DESALE ST SW

ANALYSIS OF CONCEPT 2- DESALE ST SW

DESCRIPTION	SIDEWALK ALONG ODD SIDE ADDRESS OF DESALE ST SW. THE SIDEWALK WILL EXTEND FROM THE MOORE AVE SW INTERSECTION TO THE DEAD END OF DESALE ST SW. THE CONCEPT INCLUDES THE SIDEWALK AND ADA RAMPS AT EACH INTERSECTION AND PROVIDES CONNECTION WITH ELMAR DR SW, TAPAWINGO RD SW & MELODY LANE SW. THIS WILL ALLOW THE PEDESTRIAN ACCESS TO THE MOORE AVE SW, ELMAR DR SW, TAPAWINGO RD SW & MELODY LANE SW.	SIDEWALK ALONG EVEN SIDE ADDRESS OF DESALE ST SW. THE SIDEWALK WILL EXTEND FROM THE MOORE AVE SW INTERSECTION TO THE DEAD END OF DESALE ST SW. THE CONCEPT INCLUDES THE SIDEWALK AND ADA RAMPS AT EACH INTERSECTION AND PROVIDES DIRECT CONNECTION WITH TAPAWINGO RD SW & WOOD VIEW CIRCLE SW. THIS WILL ALLOW THE PEDESTRIAN ACCESS TO THE MOORE AVE SW, TAPAWING RD SW & WOOD VIEW CIRCLE SW.
TREE IMPACT	EIGHT TO ELEVEN TREES IN VARYING CONDITIONS (MANY GOOD, SOME DEAD OR NEARLY DEAD) WILL HAVE TO BE REMOVED TO INSTALL THE SIDEWALK ON THIS CONCEPT. AN ADDITIONAL SEVEN TREES MAY BE AFFECTED DEPENDING UPON THE EXTENT OF THE GRADING FOR THE WALK.	SEVEN TO ELEVEN TREES, MOST OF THEM IN GOOD TO EXCELLENT CONDITION, WILL NEED TO BE REMOVED TO IMPLEMENT CONCEPT 2. OF THE TOTAL OF ELEVEN, THE FOUR KOUSA DOGWOODS LOCATED WEST OF WOODVIEW CIRCLE SW, MAY BE POSSIBLE TRANSPLANT CANDIDATES. AN ADDITIONAL SIX TREES MAY HAVE THEIR CRITICAL ROOT ZONES AFFECTED DEPENDING ON THE EXTENT OF GRADING TO CONSTRUCT THE SIDEWALK.
IMPACTS ON VEGETATION (OTHER THAN TREES)	THERE ARE MINIMAL IMPACTS TO OTHER VEGETATION BY THIS CONSTRUCTION. THIS ANALYSIS IS FOCUSED MORE ON THE POTENTIAL CONSTRUCTION IMPACTS TO LARGER TREES. IF THIS CONCEPT IS PURSUED REPLACEMENT VEGETATION AND POSSIBLY TRANSPLANTATION OF PLANTS/ SHRUBS WILL BE CONSIDERED.	THERE ARE MINIMAL IMPACTS TO OTHER VEGETATION BY THIS CONSTRUCTION. THIS ANALYSIS IS FOCUSED MORE ON THE POTENTIAL CONSTRUCTION IMPACTS TO LARGER TREES. IF THIS CONCEPT IS PURSUED REPLACEMENT VEGETATION AND POSSIBLY TRANSPLANTATION OF PLANTS/ SHRUBS WILL BE CONSIDERED.
GRADING IMPACTS	MOST OF THE LOTS HAVE RELATIVELY FLATTER SLOPE. GRADING APPEARS TO BE MINIMAL. THE CONSTRUCTION LIMITS WILL BE DETERMINED DURING LATER STAGE OF DESIGN IF THIS CONCEPT IS PURSUED.	MOST OF THE LOTS HAVE RELATIVELY FLATTER SLOPE. GRADING APPEARS TO BE MINIMAL. THE CONSTRUCTION LIMITS WILL BE DETERMINED DURING LATER STAGE OF DESIGN IF THIS CONCEPT IS PURSUED.
CONSTRUCTABILITY ISSUE	THERE DO NOT APPEAR TO BE SIGNIFICANT CONSTRUCTABILITY ISSUES WITH THIS CONCEPT. THERE ARE SOME UTILITY POLE ALONG THE PROPOSED SIDEWALK PATH. SIDEWALK WIDTH TO BE REDUCED TO MINIMUM 4' WHERE THERE ARE UTILITY POLES. CONCEPT 1 HAS LESSER QUANTITY OF DRIVEWAY APRONS TO BE INSTALLED.	THERE DO NOT APPEAR TO BE SIGNIFICANT CONSTRUCTABILITY ISSUES WITH THIS CONCEPT. THERE ARE SOME UTILITY POLE ALONG THE PROPOSED SIDEWALK PATH. SIDEWALK WIDTH TO BE REDUCED TO MINIMUM 4' WHERE THERE ARE UTILITY POLES. CONCEPT 2 HAS LARGER QUANTITY OF DRIVEWAY APRONS TO BE INSTALLED.
COST	THE COST OF THIS CONCEPT IS COMPARABLE TO OTHER ROBINSON SIDEWALK PROJECTS. THIS CONCEPT HAVE LESSER QUANTITY OF DRIVEWAY APRON INSTALLATIONS AND LESSER QUANTITY OF TREE REMOVAL BUT HAS GREATER NUMBER OF RAMP INSTALLATIONS COMPARED TO CONCEPT 2. HOWEVER, IT HAS LESSER LENGTH OF THE SIDEWALK INSTALLATION AS THERE IS ALREADY A PORTION OF SIDEWALK INSTALLED ALONG THIS SIDE. BOTH THE CONCEPT WOULD HAVE SIMILAR COST BUT PREDICTIVELY CONCEPT 1 WOULD HAVE SILGHTLY LOWER COST.	THE COST OF THIS CONCEPT IS COMPARABLE TO OTHER ROBINSON SIDEWALK PROJECTS. THIS CONCEPT HAVE LARGER QUANTITY OF DRIVEWAY APRON INSTALLATIONS AND MORE QUANTITY OF TREE REMOVAL BUT HAS LESSER NUMBER OF RAMP INSTALLATIONS COMPARED TO CONCEPT 1. BOTH THE CONCEPT WOULD HAVE SIMILAR COST BUT PREDICTIVELY CONCEPT 2 WOULD HAVE SILGHTLY HIGHER COST.
CONNECTIVITY	BOTH THE SIDEWALK CONCEPTS HAVE SIMILAR CONNECTIVITY TO NEIGHBORING STREET HAVING DIRECT CONNECTION TO ELMAR DR SW, TAPAWINGO RD SW & MELODY LANE SW.	BOTH THE SIDEWALK CONCEPTS HAVE SIMILAR CONNECTIVITY TO NEIGHBORING STREET HAVING DIRECT CONNECTION TOTAPAWINGO RD SW & WOOD VIEW CIRCLE SW.
RECOMMENDATION	CONCEPT 1 HAS MINIMUM GRADING IMPACT LESSER LENGTH OF SIDEWALK INSTALLATION WITH LESSER TREE IMPACT. CONCEPT 1 PROVIDES DIRECT PEDESTRIAN ACCESS TO MULTIPLE STREETS. HENCE, CONCEPT 1 IS RECOMMENDED.	

PLAN DATE	05/03/2022																																																																		
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<p align="center">  urban Planners • Engineers • Landscape Architects • Land Surveyors Urban Ltd 7120 Little River Turnpike Alexandria, Virginia 22303 Tel: 703.642.8080 Fax: 703.642.8251 www.urban-llc.com </p>																																																																			
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<p align="center"> ANALYSIS OF CONCEPT 1 AND CONCEPT 2 DESALE STREET SW CONCEPT STUDY TOWN OF VIENNA FAIRFAX COUNTY, VIRGINIA SCALE: N/A DATE: MAY, 2022 C.I. N/A </p>																																																																			
<p align="center"> SHEET 5 OF 6 FILE No. PP-2528 </p>																																																																			



TREE LOCATIONS FOR INVENTORY BY URBAN - LTD 12/22/2021

DESALE ST. SW



Desale St. SW
Vienna, VA

Tree Inventory and Condition Analysis
Completed: 12/22/2021
Kevin J. Tankersley, ISA Certified Arborist #MA-5871A

TREE INVENTORY & CONDITION ANALYSIS

TREE NO.	SPECIES		SIZE		CRITICAL ROOT ZONE	STRUCTURAL ROOT ZONE	CONDITION	CONDITION RATING	STATUS	COMMENTS
	Botanical Name	Common Name	DBH (in)	R (ft.)						
1	<i>Acer rubrum</i>	Red Maple	24"	20'	24'	12'	Good	68.75	(Remove or Preserve)	Slight lean; Co-dominant
2	<i>Acer rubrum</i>	Red Maple	24"	12'	24'	12'	Poor	34.38		Nearly dead; Significant decay; One-sided canopy
3	<i>Acer rubrum</i>	Red Maple	24"	16.0'	24'	12'	Good	68.75		Street side heavily pruned for power lines
4	<i>Cornus spp.</i>	Dogwood	10"	8'	10'	5'	Good	75.00		Multitrunk; low branches may need to be pruned for walk clearance.
5	<i>Prunus x yedoensis</i>	Yoshino Cherry	8"	8'	8'	4'	Good	75.00		In ROW
6	<i>Acer rubrum</i>	Red Maple	8"	4.0'	8'	4'	Good	68.75		Co-dominant; Severe V crotch
7	<i>Acer rubrum</i>	Red Maple	26"	26'	26'	13'	Good	62.50		Co-dominant; grading will impact critical root zone. Recommend locating walk at curb to minimize grading impacts.
8	<i>Liriodendron tulipifera</i>	Tulip Poplar	38"	20'	38'	19'	Excellent	87.50		Large tree with extensive critical root zone.
9	<i>Acer rubrum</i>	Red Maple	32"	22.0'	32'	16'	Fair	50.00		Trunk decay; multi-trunk with poor structure.
10	<i>Cedrus deodara</i>	Deodar Cedar	6"	7'	6'	3'	Good	71.88		Young tree. On slope; grading will impact critical root zone.
11	<i>Acer palmatum</i>	Japanese Maple	30"	10'	30'	15'	Fair	43.75		Significant trunk decay, low branches; dieback; multi-trunk.
12	<i>Acer rubrum</i>	Red Maple	20"	12.0'	20'	10'	Good	75.00		Walk will likely impact the structural root zone.
13	<i>Liriodendron tulipifera</i>	Tulip Poplar	46"	35'	46'	23'	Good	71.88		Very large co-dominant with extensive critical root zone.
14	<i>Acer rubrum</i>	Red Maple	16"	12'	16'	8'	Fair	50.00		Leaning over; multi-trunk. Very close to walkway location, probably severe impacts to critical root zone.
15	<i>Prunus pendula</i>	Weeping Cherry	6"	6.0'	6'	3'	Good	62.50		Trunk decay; tree in path of walk, would need to be removed.
16	<i>Magnolia x soulangeana</i>	Saucer Magnolia	6"	6'	6'	3'	Good	68.75		Tree right at path of walk; significant impacts.
17	<i>Prunus x yedoensis</i>	Yoshino Cherry	9"	10'	9'	5'	Good	68.75		Slight lean to house; tree right at path of walk; significant impacts.
18	<i>Liriodendron tulipifera</i>	Tulip Poplar	26"	12.0'	26'	13'	Good	71.88		Tree in ROW in path of walk; would have to be removed.
19	<i>Cornus kousa</i>	Kousa Dogwood	4"	4'	4'	2'	Excellent	84.38		Tree in ROW in path of walk; would have to be removed.

Desale St. SW
Vienna, VA

Tree Inventory and Condition Analysis
Completed: 12/22/2021
Kevin J. Tankersley, ISA Certified Arborist #MA-5871A

TREE INVENTORY & CONDITION ANALYSIS

TREE NO.	SPECIES		SIZE		CRITICAL ROOT ZONE	STRUCTURAL ROOT ZONE	CONDITION	CONDITION RATING	STATUS	COMMENTS
	Botanical Name	Common Name	DBH (in)	R (ft.)						
20	<i>Cornus kousa</i>	Kousa Dogwood	4"	4'	4'	2'	Excellent	84.38		Tree in ROW in path of walk; would have to be removed.
21	<i>Cornus kousa</i>	Kousa Dogwood	3"	3.0'	3'	2'	Good	75.00		Tree in ROW in path of walk; would have to be removed.
22	<i>Cornus kousa</i>	Kousa Dogwood	3"	3'	3'	2'	Good	75.00		Tree in ROW in path of walk; would have to be removed.
23	<i>Cornus florida</i>	Flowering Dogwood	2"	2'	2'	1'	Good	75.00		Tree in ROW in path of walk; would have to be removed.
24	<i>Acer rubrum</i>	Red Maple	11"	14.0'	11'	6'	Excellent	81.25		Tree on slope; grading would impact critical root zone.
25	<i>Acer rubrum</i>	Red Maple	14"	18'	14'	7'	Good	65.63		Far back OK
26	<i>Liquidambar styraciflua</i>	Tulip Poplar	13"	4.0'	13'	7'	Fair	37.50		Poor; suffering from construction damage.
27	<i>Pinus virginiana</i>	Virginia Pine	23"	15'	23'	12'	Dead	0.00		Dead
28	<i>Quercus montana</i>	Chestnut Oak	6"	6'	6'	3'	Excellent	90.63		Young; on uphill slope; recommend putting walk curb to minimize impact
29	<i>Liquidambar styraciflua</i>	Sweetgum	4"	6.0'	4'	2'	Excellent	84.38		Young tree. On slight slope, grading may impact critical root zone.
30	<i>Quercus phellos</i>	Willow Oak	8"	7'	8'	4'	Excellent	84.38		Young tree; probably OK
31	<i>Thuja occidentalis</i>	American Arborvitae	5"	2'	5'	3'	Excellent	90.63		In path of walk; would have to be removed.
32	<i>Thuja occidentalis</i>	American Arborvitae	5"	2.0'	5'	3'	Excellent	93.75		In path of walk; would have to be removed.
33	<i>Acer palmatum</i>	Japanese Maple	14"	8'	14'	7'	Good	78.13		Low branches overhang street; tree is in path of walk, would have to be removed.
34	<i>Ulmus parvifolia</i>	Chinese Elm	5"	5'	5'	3'	Excellent	90.63		Young tree close to path of walk; may be affected.
35	<i>Acer rubrum</i>	Red Maple	6"	8.0'	6'	3'	Excellent	93.75		Tree is close to ROW; recommend walk at curb to minimize impact.
36	<i>Acer rubrum</i>	Red Maple	6"	8'	6'	3'	Excellent	93.75		Tree is close to ROW; recommend walk at curb to minimize impact.
37	<i>Pyrus calleryana 'Aristocrat'</i>	Aristocrat Pear	8"	6'	8'	4'	Good	75.00		On slight uphill slope; grading may impact tree.
38	<i>Prunus x yedoensis</i>	Yoshino Cherry	6"	6.0'	6'	3'	Good	75.00		Slight lean. Tree is close to utility pole and in path of walk. Would have to be removed.

Desale St. SW
Vienna, VA

Tree Inventory and Condition Analysis
Completed: 12/22/2021
Kevin J. Tankersley, ISA Certified Arborist #MA-5871A

TREE INVENTORY & CONDITION ANALYSIS

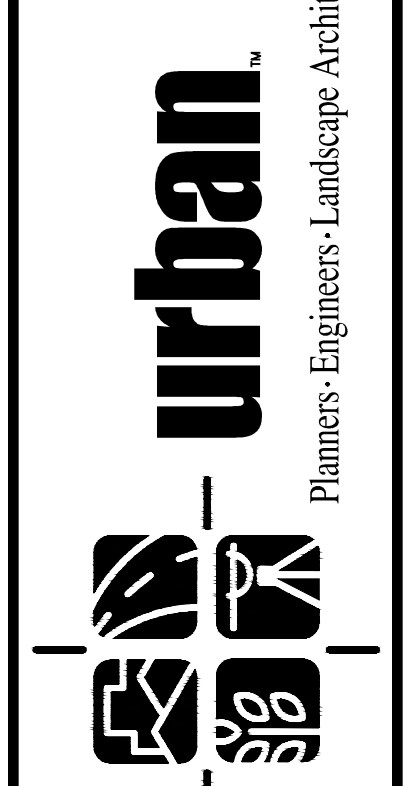
TREE NO.	SPECIES		SIZE		CRITICAL ROOT ZONE	STRUCTURAL ROOT ZONE	CONDITION	CONDITION RATING	STATUS	COMMENTS
	Botanical Name	Common Name	DBH (in)	R (ft.)						
39	<i>Cornus florida</i>	Flowering Dogwood	14"	12'	14'	7'	Fair	43.75		Co-dominant with decay; significantly higher than curb; grading for walk would significantly impact critical root zone.
40	<i>Cryptomeria japonica</i>	Japanese Cryptomeria	10"	6'	10'	5'	Excellent	84.38		Immediately adjacent to walk area; branches would have to be pruned away or tree removed.
41	<i>Cryptomeria japonica</i>	Japanese Cryptomeria	12"	7.0'	12'	6'	Excellent	84.38		Immediately adjacent to walk area; branches would have to be pruned away or tree removed.
42	<i>Magnolia x soulangeana</i>	Saucer Magnolia	12"	6'	12'	6'	Good	65.63		Co-dominant
43	<i>Prunus x yedoensis</i>	Yoshino Cherry	20"	16'	20'	10'	Good	68.75		On slope, grading may impact critical root zone. Recommend walk at curb.
44	<i>Acer palmatum var. dissectum</i>	Weeping Japanese Maple	7"	8.0'	7'	4'	Good	78.13		Very close to path of walk; may require pruning which would affect shape.
45	<i>Acer rubrum</i>	Red Maple	38"	28'	38'	19'	Good	71.88		Tree is on slope. Very likely that the structural root zone of the tree will be affected, even if the walk is positioned against the curb.

Note: Tree sizes are by visual estimate as most trees are located on private property and were not measured; Tree locations are approximate and not surveyed.

NO.	DATE	DESCRIPTION	REVIEW/ APPROVED	DATE

PLAN DATE
05/03/2022

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COMMONWEALTH OF VIRGINIA
C. RYAN CONNOR
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05/03/2022
PROFESSIONAL ENGINEER

TREE INVENTORY AND CONDITION ANALYSIS
DESALE STREET SW
CONCEPT STUDY
TOWN OF VIENNA
FAIRFAX COUNTY, VIRGINIA
SCALE: NTS
DATE: MAY, 2022
C.I. N/A