# HIGHLANDS AT MANTUA

CITY OF FAIRFAX, VIRGINIA

#### GENERAL NOTES

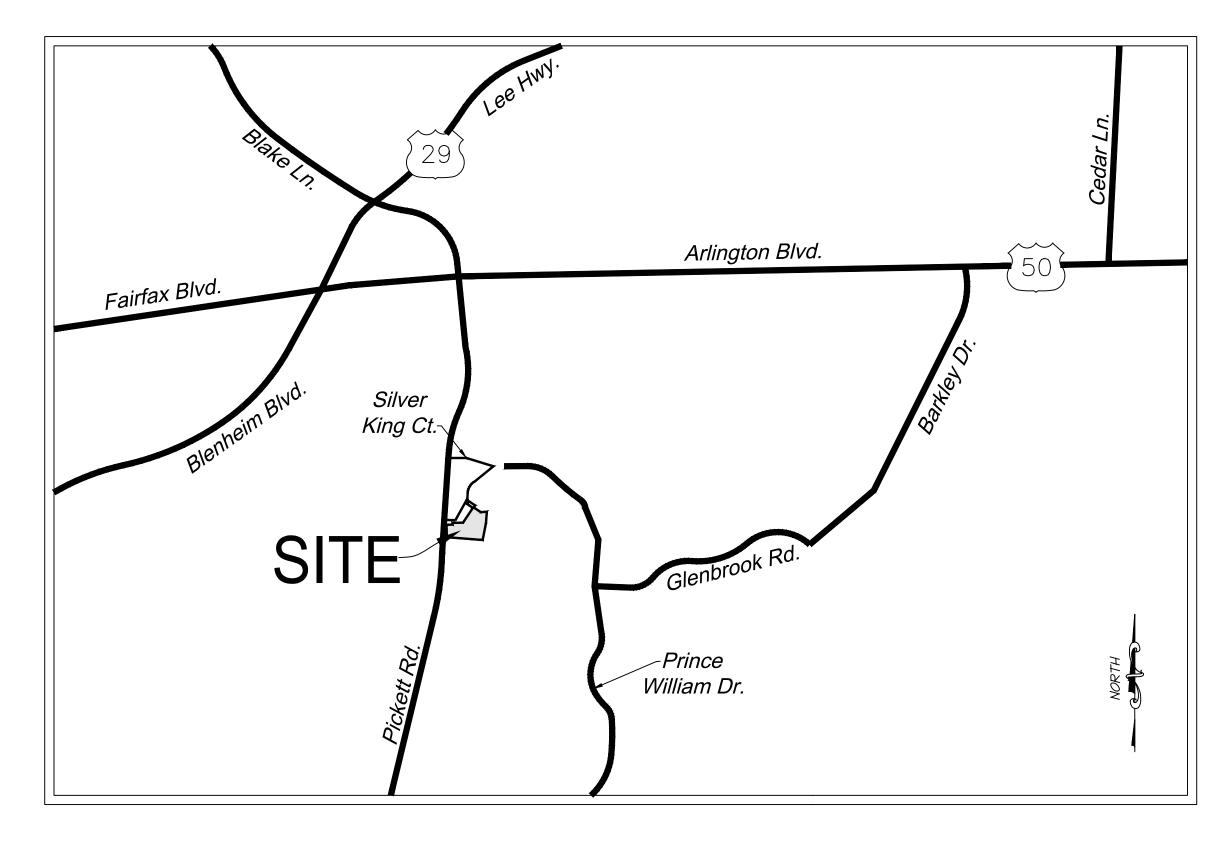
1 THE SUBJECT DEODEDTY IS DECORDED IN THE LAND DECORDS OF EMPERY CITY MECINIA.

PARCEL IDOWNERADDRESSEXISTING ZONINGPARCEL AREA58-2-10-001A1RJL ASSOCIATES9495 SILVER KING COURTPD-C (PLANNED DEVELOPMENT COMMERCIAL)± 2.12 ACRES

- 2. THIS APPLICATION IS FOR A PORTION OF THE MANTUA PROFESSIONAL CENTER PROPERTY, WHICH WAS APPROVED PER GENERALIZED DEVELOPMENT PLAN AMENDMENT DATED 2004, AND WAS COMPRISED OF 9.1 ACRES. THE PROJECT LIMITS FOR THIS APPLICATION INCLUDE CITY OF FAIRFAX TAX MAP PARCEL 58-2-10-001A1 COMPRISED OF 2.12 ACRES. REFER TO SHEET C100 FOR APPLICATION LIMITS. THIS SUBMISSION IS AN APPLICATION FOR A GENERAL DEVELOPMENT PLAN AMENDMENT, MASTER DEVELOPMENT PLAN AND ZONING MAP AMENDMENT TO REZONE THE SUBJECT PROPERTY FROM PD-C (PLANNED DEVELOPMENT COMMERCIAL) TO PD-R (PLANNED DEVELOPMENT RESIDENTIAL) DISTRICT. THE DEVELOPMENT PROGRAM ON THE SUBJECT PROPERTY WILL INCLUDE TOWNHOME REDEVELOPMENT. A COMPREHENSIVE PLAN AMENDMENT WAS SUBMITTED TO THE CITY OF FAIRFAX TO AMEND THE CITY OF FAIRFAX'S 2035 COMPREHENSIVE PLAN FROM COMMERCIAL CORRIDOR PLACE TYPE TO TOWNHOUSE/SINGLE-FAMILY ATTACHED NEIGHBORHOOD PLACE TYPE
- 3. A.) THE BEARINGS SHOWN HEREON ARE REFERENCED TO THE RECORD MERIDIAN (DEED BOOK 24686, PAGE 1228) AND CONFIRMED TO BE VIRGINIA STATE GRID NORTH (VCS 83), BY CURRENT GPS SURVEY.
- B.) THE ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF1929 (NGVD 29), AS ESTABLISHED FROM EXISTING SURVEY CONTROL AND CONFIRMED BY NGS VERTICAL CONVERSION OF CURREN' GPS DATA.
- 4. NO TITLE REPORT FURNISHED. ALL UNDERLYING TITLE LINES, EASEMENTS, SERVITUDES AND OTHER MATTERS OF TITLE MAY NOT SHOWN HEREON.
- 5. THE PHYSICAL IMPROVEMENTS AND TOPOGRAPHY SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY IMEG CONSULTANTS CORP BETWEEN THE DATES OF AUGUST 8, 2023 AND AUGUST 12, 2023.
- 6. NO CERTIFICATION HAS BEEN MADE AS TO THE LOCATIONS OF UNDERGROUND UTILITIES SUCH AS, BUT NOT LIMITED TO
- 7. NO GEOTECHNICAL, SUBSURFACE, FIELD REVIEWS, RESEARCH, AGENCY OR GOVERNMENTAL RECORD REVIEWS, OR OTHER INVESTIGATIONS HAVE BEEN MADE FOR THE PURPOSE OF LOCATING, OR DETERMINING THE EXISTENCE OF HAZARDOUS MATERIALS, OR OTHER ENVIRONMENTAL CONCERNS ON SITE IN THE PERFORMANCE OF IMEG CONSULTANTS CORP SERVICES FOR THE PROJECT AS SHOWN HEREON.
- 8. DURING THE PROCESS OF PHYSICAL SURVEY NO INDICATIONS OF A CEMETERY WERE FOUND. NO FURTHER INSPECTION OF THIS PROPERTY HAS BEEN MADE FOR POSSIBLE CEMETERIES.
- 9. STORM AND SANITARY INVERTS, PIPE SIZES AND MATERIALS HAVE BEEN DETERMINED THROUGH THE USE OF A SEWER VIDEO CAMERA OPERATED BY THIS FIRM ON THE DATE OF AUGUST 8, 2023 AND AUGUST 31, 2023.
- 10. THE TREES SHOWN HEREON WERE TAGGED AND LOCATED BY THIS FIRM BETWEEN THE DATES OF AUGUST 8, 2023 AND AUGUST 31, 2023.
- 11. THE AREA SHOWN HEREON IS LOCATED ON THE FLOOD INSURANCE RATE MAP (FIRM), NO. 5155240003D, WITH AN EFFECTIVE DATE OF JUNE 2,2006.

BY GRAPHIC DEPICTION ONLY, THE PROPERTY SHOWN HEREON IS SHOWN IN:

- FLOOD ZONE "X" (OTHER AREAS), AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.
- A FIELD SURVEY WAS NOT PERFORMED TO DETERMINE THE FLOOD ZONES LISTED HEREON. AN ELEVATION CERTIFICATE MAY BE NEEDED TO VERIFY THIS DETERMINATION OR APPLY FOR A VARIANCE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
- 11. THE SUBJECT PROPERTY IS CURRENTLY SERVED BY PUBLIC WATER AND PUBLIC SEWER PROVIDED BY CITY OF FAIRFAX AND FAIRFAX WATER.
- 12. THIS DEVELOPMENT PROPOSAL IS COMPATIBLE WITH THE EXISTING DEVELOPMENT IN THE VICINITY OF THIS SITE. NO ADVERSE EFFECTS TO NEIGHBORING PROPERTIES ARE ANTICIPATED WITH THIS PROJECT.
- 13. NOTWITHSTANDING THE IMPROVEMENTS AND TABULATIONS SHOWN ON THIS PLAN, THE APPLICANT RESERVES THE RIGHT TO MAKE MINOR MODIFICATIONS TO THE FINAL DESIGN, TO COMPLY WITH FINAL ENGINEERING AND NEW CRITERIA AND REGULATIONS WHICH MAY BE ADOPTED BY THE CITY OF FAIRFAX SUBSEQUENT TO THE SUBMISSION OF THIS APPLICATION, PROVIDED THAT SUCH MODIFICATIONS ARE SUBSTANTIALLY CONSISTENT WITH THE APPROVED DEVELOPMENT PLAN AND COMMITMENTS AND SUBJECT TO THE DETERMINATIONS OF THE DIRECTOR OF COMMUNITY DEVELOPMENT AND PLANNING.
- 14. THE PROPOSED BUILDING FOOTPRINTS AND SITE IMPROVEMENTS SHOWN HEREIN ARE PRELIMINARY. THE PROPOSED SQUARE FOOTAGE FOR THE PROPOSED BUILDINGS IS APPROXIMATE ONLY AND MAY BE SUBJECT TO MINOR REVISIONS AT THE TIME OF SITE PLAN, SUBJECT TO MARKET CONDITIONS, BUT SUBSTANTIALLY CONSISTENT WITH THE APPROVED DEVELOPMENT BLAN.
- 15. SITE LIGHTING WITHIN THE PROJECT SITE AREA (I.E. ALONG SIDEWALKS AND PATHWAYS) WILL BE DETERMINED DURING FINAL SITE PLAN REVIEW AND SHALL BE IN GENERAL CONFORMANCE WITH SECTION 4.8 OF THE ZONING ORDINANCE AND SECTION 2.10 OF THE PUBLIC FACILITIES MANUAL.
- 16. ONSITE STORMWATER MANAGEMENT AND BEST MANAGEMENT PRACTICES SHALL BE PROVIDED AS REQUIRED BY CITY REGULATIONS AT THE TIME OF FINAL SITE PLAN. DETENTION TO PROVIDE THE REQUIRED STORMWATER QUANTITY CONTROLS AND ONSITE BEST MANAGEMENT PRACTICES (BMPs) TO MEET THE STORMWATER QUALITY REQUIREMENTS ARE SHOWN ON SHEETS WITHIN THIS PLAN SET.
- 17. ALL SIGNAGE WILL BE IN CONFORMANCE WITH SECTION 4.6 OF THE ZONING ORDINANCE.



### VICINITY MAP SCALE: 1" = 4000'

#### MODIFICATIONS AND WAIVERS:

TO THE BEST KNOWLEDGE OF THE ENGINEER AND APPLICANT, THIS DEVELOPMENT PLAN CONFORMS TO ALL APPLICABLE ORDINANCES, REGULATIONS AND ADOPTED STANDARDS, WITH THE FOLLOWING MODIFICATION AND WAIVER REQUESTS:

- 1. A WAIVER OF THE ZONING ORDINANCE SECTION 4.5.6. B REQUIREMENT FOR STREET TREES ALONG THE SOUTHERN AND EASTERN ONE WAY PRIVATE STREET DUE TO PROPOSED DEVELOPMENT. STREET TREES ARE PROVIDED ALONG THE NORTHERN AND WESTERN STREET TO THE BEST EXTEND POSSIBLE.
- 2. A MODIFICATION TO PFM DETAIL 401.01: TYPICAL CURB AND GUTTER STREET SECTION, TO ALLOW FOR A REDUCTION IN ROAD WIDTH OF A PRIVATE ONE WAY ROAD FROM 30' TO 23'.
- 3. A MODIFICATION OF THE ZONING ORDINANCE SECTION 4.5.5.D REQUIREMENT FOR FENCE ALONG TRANSITIONAL SCREENING YARD 2. ADDITIONAL TREES ARE SUBSTITUTED FOR THE REQUIRED FENCE VIA ALTERNATIVE COMPLIANCE OF THE ZONING ORDINANCE SECTION 4.5.10.
- 4. A MODIFICATION OF THE ZONING ORDINANCE SECTION 4.5.6. B REQUIREMENT FOR STREET TREES LOCATION ALONG PICKETT ROAD. DUE TO EXISTING EASEMENT, THE STREET TREES ARE LOCATED FURTHER AWAY FROM PICKETT ROAD. TREE QUANTITY IS
- 5. A MODIFICATION HAS BEEN REQUESTED OF SECTION 3.5.1.C.2 OF THE ZONING ORDINANCE REQUIREMENT "NO MORE THAN TWO OF ANY 10 OR ONE OF ANY THREE TO FIVE ABUTTING DWELLING UNITS HAVING THE SAME FRONT YARD SETBACK". NO MORE THAN TWO OF ANY 9 DWELLING UNITS HAS THE SAME FRONT YARD SETBACK FOR THE NINE-UNIT TOWNHOMES.
- 6. A SPECIAL EXCEPTION OF THE ZONING ORDINANCE SECTION 4.11 (D). DUE TO THE FEASABILITY OF INSTALLING UTILITIES UNDERGROUND.

#### PROJECT TEAM:

APPLICANT/ OWNER
R.J.L. ASSOCIATES, INC.
35246 LEESBURG PIKE, SUITE 200
ROUND HILL, VA, 20141

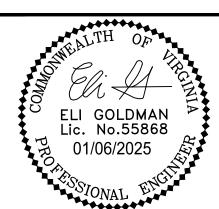
ATTORNEY BEAN, KINNEY & KORMAN 2311 WILSON BLVD, SUITE 500 ARLINGTON, VA 22201

ENGINEER & LANDSCAPE ARCHITECT IMEG CONSULTANTS CORP.
4035 RIDGE TOP ROAD, SUITE 601 FAIRFAX, VA 22030

ARCHITECT
CLINT GOOD ARCHITECTS, PC
POST OFFICE BOX 143
LINCOLN, VA 20160

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C101	SITE DETAILS
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C501	PRELIMINARY BMP AND SWM PLAN
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HIGHLANDS AT MANTUA
GENERAL DEVELOPMENT PLAN AMENDME
MASTER DEVELOPMENT PLAN & ZONING MAP AMENDME
CITY OF FAIRFAX, VA

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PR	1	09-27-2024	ADDRESSED PER CITY COMMENTS
O.IF	2	01-06-2025	ADDRESSED PER CITY COMMENTS
TO:			
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	MARK DATE	DATE	DESCRIPTION

PROJECT No.: 23005060.00
DRAWING No.: 112931
DATE: 2025-01-06
SCALE: 1" = 4000'
DESIGN: QN
DRAWN: QN
CHECKED: JM
SHEET TITLE:

COVER SHEET

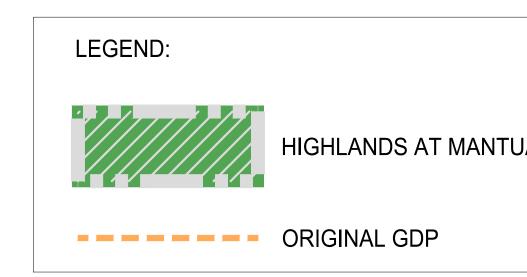
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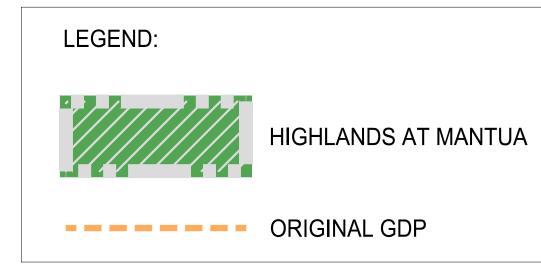
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BROOKINGS COURT D.B. 24686 PG. 1228

RJL ASSOCIATES, INC.

D.B. 24686 PG. 1228





ELI GOLDMAN Lic. No.55868 01/06/2025

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ADDRESSED PER CITY COMMENTS	01-06-2025	2
ADDRESSED PER CITY COMMENTS	09-27-2024	1

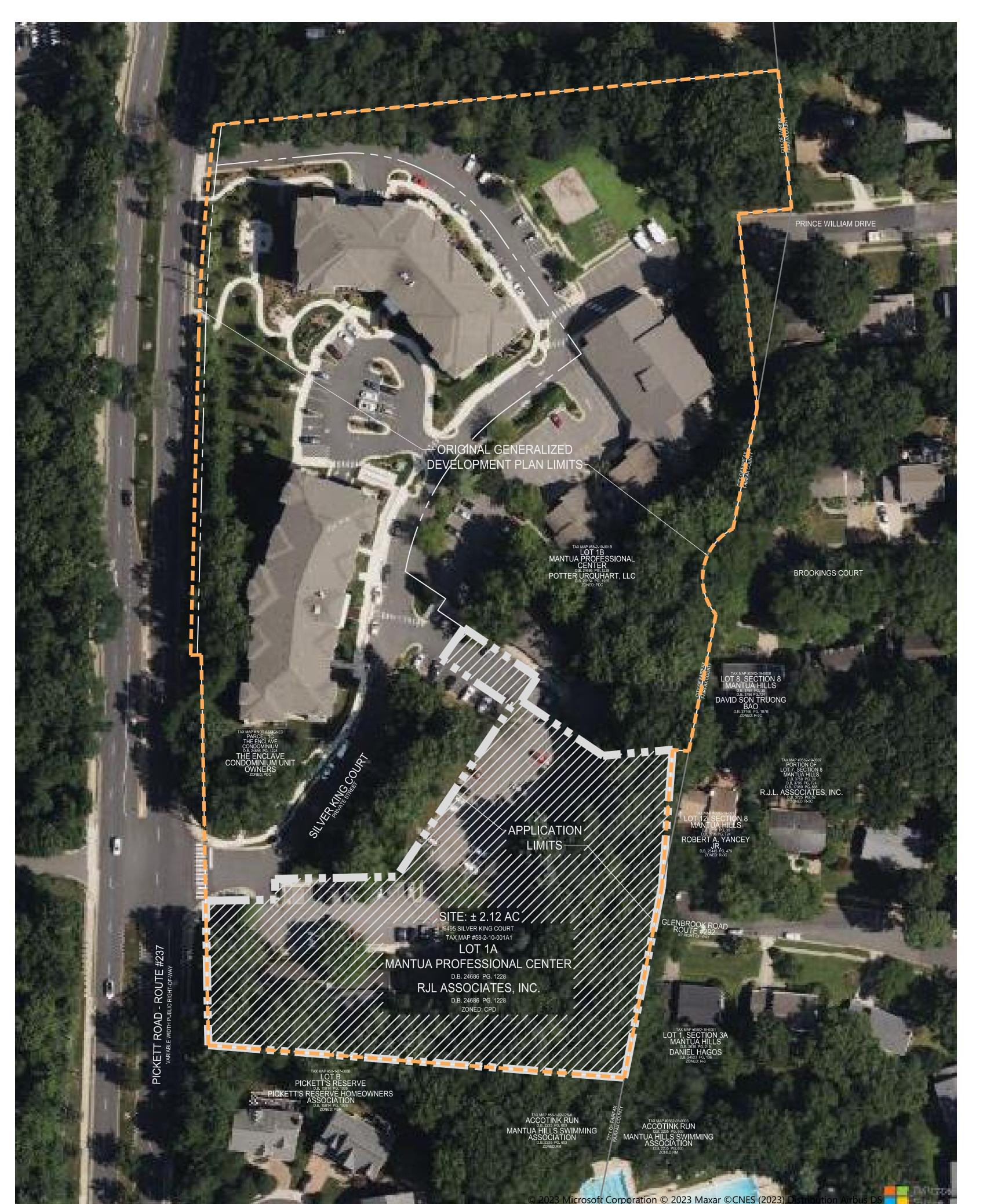
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DRAWING No.: 112931
DATE: 2025-01-06
SCALE: 1" = 50'
DESIGN: QN
DRAWN: QN
CHECKED: JM

SHEET TITLE:

OVERALL

CONTEXTUAL PLAN

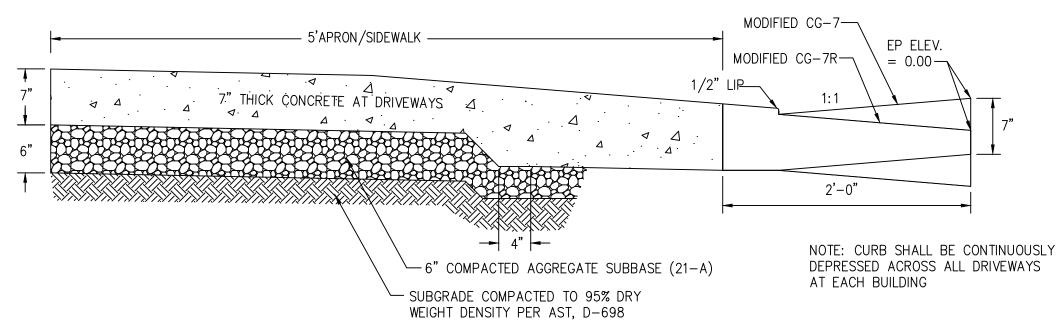
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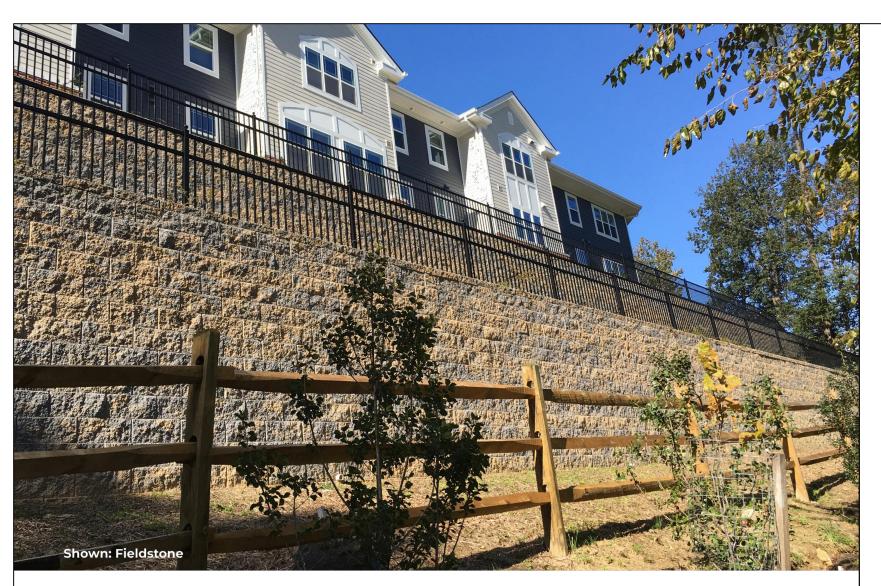


\*COMPACTED SUBGRADE: TOP 12" TO BE COMPACTED TO 95% OF MAX. DRY DENSITY AS PER ST'D. PROCTOR, 2% OF OPTIMUM MOISTURE.

### DRIVEWAY APRON & CURB DETAIL FOR PRIVATE STREET

AND CG-7 N.T.S.





### CornerStone 100®

NEW HOLLAND, PA PLANT

Each lightweight CornerStone 100® unit has a large hollow core, unique SecureLug™ connection, unit gravel infill and tapered sides.

These features allow maximum flexibility, ease of installation and cost savings while maintaining high structural integrity of both gravity and geosynthetic reinforced walls. Setback = 1/4"/course (2 degrees).

When filled with gravel, this unit's interlock provides high shear resistance, excellent connection strength to geosynthetic reinforcement and maximum layout versatility.

CornerStone 100 units are produced in accordance with ASTM C 1372, and are ICC Evaluation Service Approved.

For more info or technical consultation:

DC, MD, VA, WV: Doug Statler 240.357.8389

DE, NJ, NY, PA: Paul Hartline dstatler@yorkbuilding.com phartline@yorkbuilding.com



yorkbuilding.com

## CornerStone 100®

NEW HOLLAND, PA PLANT











Product	Setback	Batter	Shapes	H (in)	W (in)	D (in)	Approx Wgt.	SF/Pal	Pc/Pal	Lbs/Pal
	1/4"	2°	CS 100 Unit	8	18	12	81	40	40	3270
Cornerstone 100 (New Holland Plant)			8" Solid Corner Unit	8	18	9	98	24	24	2412
			3" Universal Cap	3	15	13	47	56.25 LF	45	2175

New Holland Colors









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C101

SITE DETAILS

PROJECT No.: 23005060.00 DRAWING No.: 112931

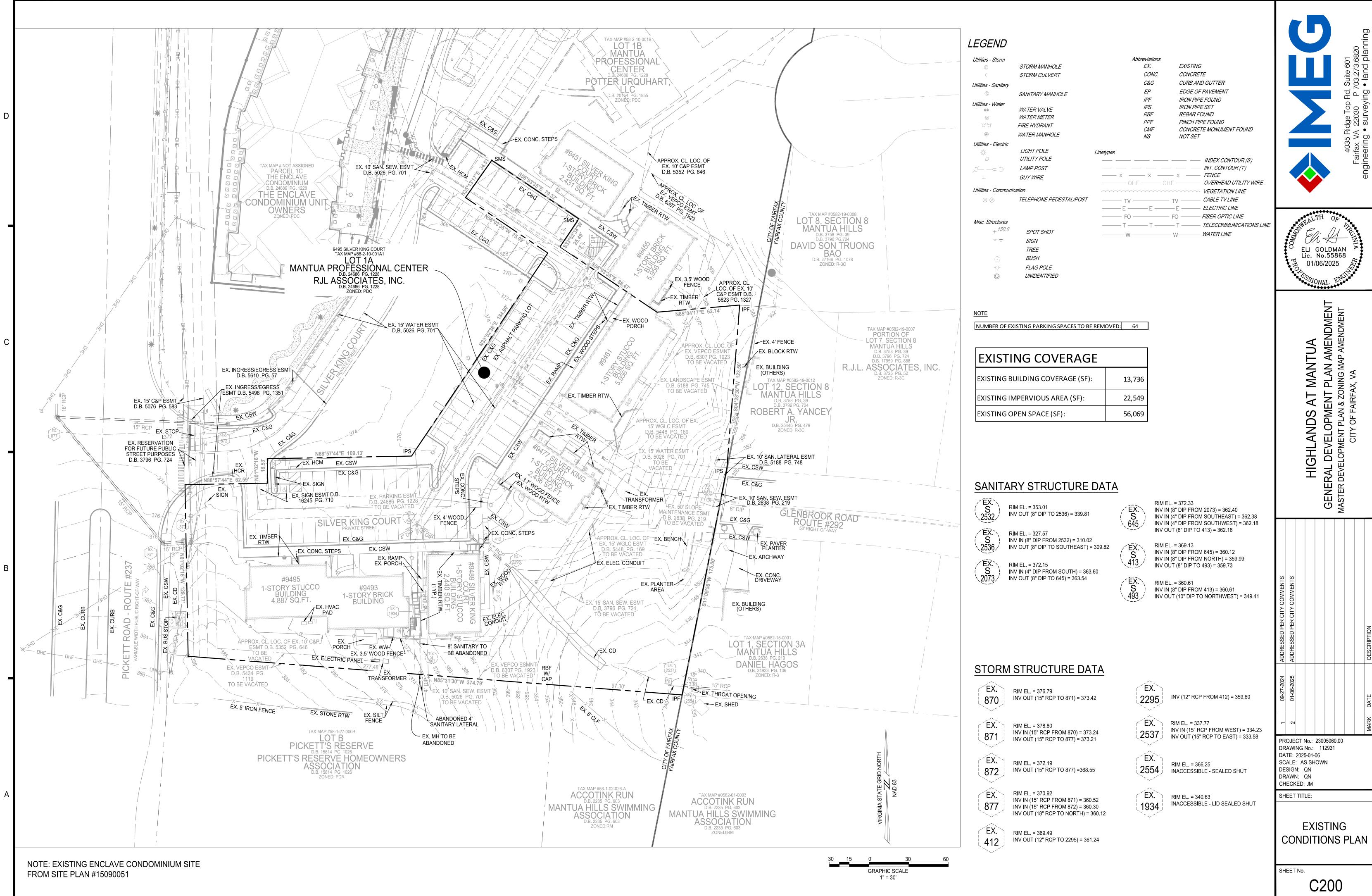
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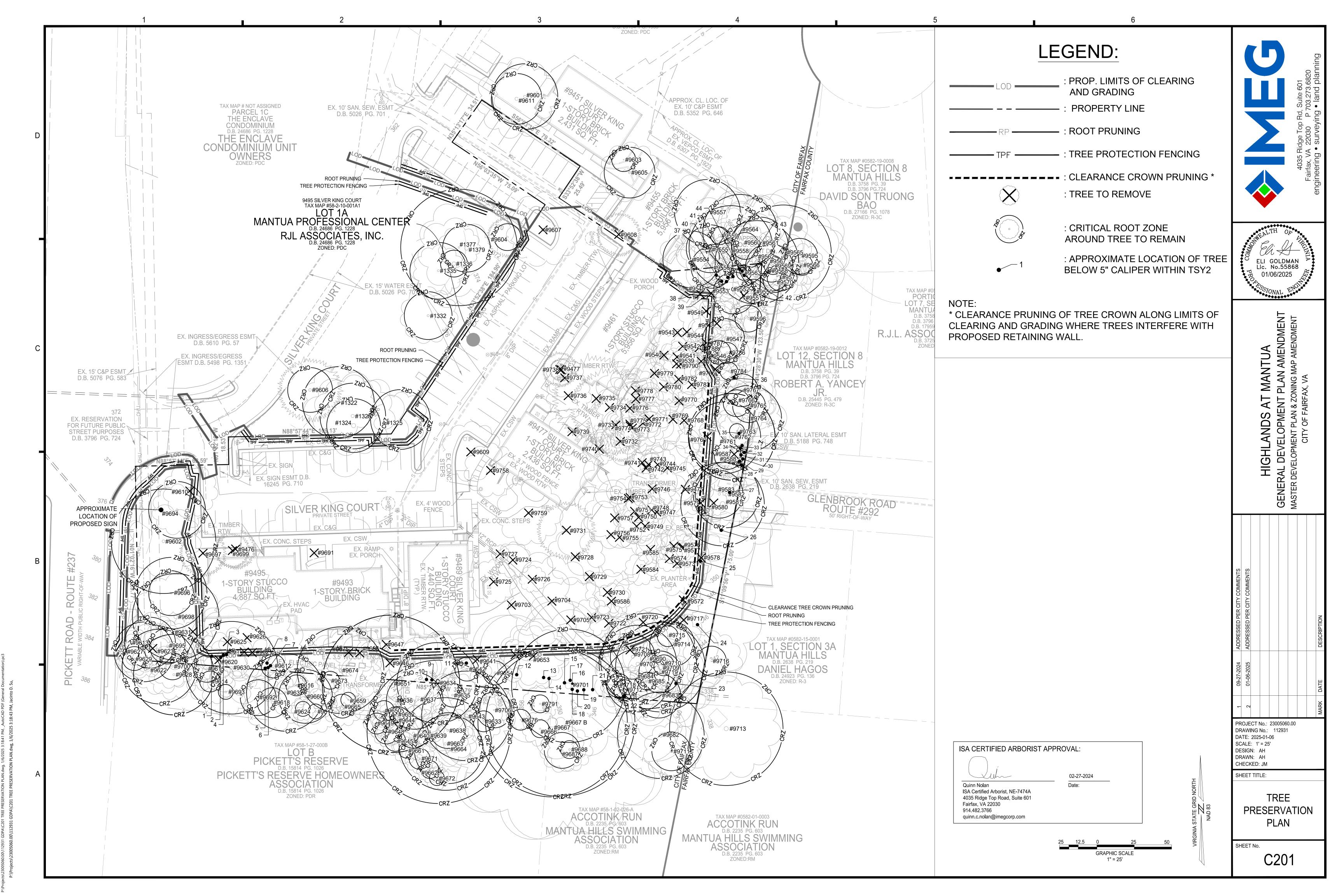
DESIGN: EG DRAWN: JS CHECKED: EG

SHEET TITLE:

SHEET No.

ELI GOLDMAN Lic. No.55868





TREE PRESERVATION SCHEDUL	=

9727 ILEX OPACA

9726 LIRIODENDRON TULIPIFERA

TULIP POPLAR

AMERICAN HOLLY

TREE #	BOTANICAL NAME	COMMON NAME	TRUNK DIAMETER (INCHES) / CRITICAL ROOT ZONE RADIUS (FEET)	SURVEYED DRIPLINE RADIUS (FEET)	CONDITION RATING	LOCATION	PROCEDURE	
	LIRIO DENDRON TULIPIFERA	TULIP POPLAR	24	24	66	OFFSITE	REMAIN	LARGE GIRDLING ROOT. SMALL AMOUNT OF DIEBACK AND TREES BEGINNING TO CHANGE COLOR.
1323 1324	ACER RUBRUM ACER RUBRUM	RED MAPLE RED MAPLE	18	27 35	66 69	OFFSITE OFFSITE	REMAIN REMAIN	SOME CROWN DIEBACK IN UPPER CANOPY. 2-3 SMALL DEAD BRANCHES.  UNEVEN CANOPY STRUCTURE. OLD WOUNDS EXPOSING DECAY. IMPROPERLY
	ACER RUBRUM	RED MAPLE	20	18	69	OFFSITE	REMAIN	PRUNED SCAFFOLD BRANCHES. LARGE HOLE/CAVITY IN TRUNK.  UNEVEN CANOPY STRUCTURE.
1332	PRUNUS SEROTINA	BLACK CHERRY	16	19	53	OFFSITE	REMAIN	LEADER DEAD; SIDE BRANCH HAS TAKEN LEADER POSITION. ROT VISIBLE IN TRUNK. MULTIPLE DEAD AND BROKEN BRANCHES.
1335	LIRIODENDRON TULIPIFERA	TULIP POPLAR	19	17	66	OFFSITE	REMAIN	DUAL TRUNKS. SEVERE INCLUDED BARK. SURFACE DAMAGE TO BARK OF LARGER STEM.
1336	ROBINIA PSEUDOACACIA	BLACK LOCUST	9	30	63	OFFSITE	REMAIN	LEANING. VERY UNEVEN CANOPY. BARK AND TRUNK IS CRACKING WITH WEIGHT OF CANOPY.
1377	LIRIODENDRON TULIPIFERA	TULIP POPLAR	39	14	66	OFFSITE	REMAIN	DUAL TRUNKS. SEVERE INCLUDED BARK. ONE TRUNK GROWING UNEVENLY. ONE
1379	ROBINIA PSEUDOACACIA	BLACK LOCUST	16	33	63	OFFSITE	REMAIN	GIRDLING ROOT VISIBLE.  UNEVEN CANOPY STRUCTURE. LEANING OVER PARKING LOT. 7+ SMALL DEAD  BRANCHES. LARGE FUNGAL FRUITING BODY GROWING ON TRUNK.
	LIRIO DENDRON TULIPIFERA JUNIPERUS VIRGINIANA	TULIP POPLAR  EASTERN REDCEDAR	19	15 9	72 66	ONSITE ONSITE	REMOVE REMOVE	SIGNIFICANT ENGLIGH IVY GROWTH ON TRUNK AND INTO CROWN.  MANY HEALED CAVITIES IN TRUNK. SCAFFOLD BRANCH TEAR-OUT.
9539	JUNIPERUS VIRGINIANA FAGUS GRANDFOLIA	EASTERN REDCEDAR AMERICAN BEECH	6 8	11 15	69 75	ONSITE ONSITE	REMOVE REMOVE	
9540	QUERCUS MONTANA	CHESTNUT OAK	9	35	63	ONSITE	REMOVE	MULTI-TRUNK. ONE TRUNK DEAD.  SMALL HEALED WOUND ON TRUNK. MULTIPLE EXTENSIVE WOUNDS ON UPPER
9541	PINUS VIRGINIANA	VIRGINIA PINE	12	18	56	ONSITE	REMOVE	TRUNK (ONE IS APPROXIMATELY 10 FEET LONG) WITH ROT. CANOPY APPEARS TO BE MOSTLY DEAD.
	FAGUS GRANDFOLIA FAGUS GRANDFOLIA	AMERICAN BEECH AMERICAN BEECH	6 14	8 20	72 72	ONSITE ONSITE	REMOVE REMOVE	SMALL WOUND IN TRUNK. WOUND IN TRUNK, WOUND IN ROOTS, PAINT ON TRUNK.
	FAGUS GRANDFOLIA FAGUS GRANDFOLIA	AMERICAN BEECH AMERICAN BEECH	11 17	25 33	69	ONSITE ONSITE	REMOVE REMOVE	
9546	ROBINIA PSEUDOACACIA	BLACK LOCUST	8	12	72 75	ONSITE	REMOVE	SOIL AROUND ROOTS IS ERODED.
9547 9548	ROBINIA PSEUDOACACIA LIRIODENDRON TULIPIFERA	BLACK LOCUST TULIP POPLAR	14 24	25 17	66 75	ONSITE ONSITE	REMAIN REMOVE	CONKS ON SOME BRANCHES.
	FAGUS GRANDFOLIA	AMERICAN BEECH	13	19	72	ONSITE	REMOVE	TOP PREVIOUSLY BROKEN FROM STORM. REMAINING CANOPY GREW AT 90
9550 9551	FAGUS GRANDFOLIA UNIDENTIFIED	AMERICAN BEECH DEAD TREE	8 13	35 16	66 25	ONSITE ONSITE	REMAIN REMOVE	DEGREES. TREE IS DEAD.
9552	FAGUS GRANDFOLIA PRUNUS PENNSYLVANICA	AMERICAN BEECH PIN CHERRY	14	19	72	ONSITE ONSITE	REMAIN REMOVE	2/3 OF CANOPY IS DEAD. REMAINING FOLIAGE IS ONLY AT TOP OF CROWN.
	FAGUS GRANDFOLIA	AMERICAN BEECH	11 19	22	53 66	OFFSITE	REMAIN	SOIL AROUND ROOTS IS HIGHLY ERODED. CO-DOMINANT CANOPY STRUCTURE.
9555	FAGUS GRANDFOLIA	AMERICAN BEECH	16	20	69	OFFSITE	REMAIN	TWO LARGE GIRDLING ROOTS. LARGE OLD WOUND EXPOSING DECAY WITHIN CROWN.
9556 9557	FAGUS GRANDFOLIA LIRIODENDRON TULIPIFERA	AMERICAN BEECH TULIP POPLAR	14 22	12 28	75 72	OFFSITE OFFSITE	REMAIN REMAIN	
9558	LIRIODENDRON TULIPIFERA	TULIP POPLAR	28	37	72	OFFSITE	REMAIN	
	FAGUS GRANDFOLIA FAGUS GRANDFOLIA	AMERICAN BEECH AMERICAN BEECH	6	21 15	66 72	OFFSITE OFFSITE	REMAIN	LARGE OLD WOUND EXPOSING HEARTWOOD. LARGE DEAD SCAFFOLD BRANCHES.  OLD WOUNDS HEALING OVER ON ROOT FLARE AND TRUNK.
9561	LIRIO DENDRON TULIPIFERA	TULIP POPLAR	19	33	69	OFFSITE	REMAIN	OLD WOUNDS REALING OVER ON ROOT FLARE AND TRONK.
9562 9563	LIRIODENDRON TULIPIFERA FAGUS GRANDFOLIA	TULIP POPLAR  AMERICAN BEECH	28 5	32 9	69 75	OFFSITE ONSITE	REMAIN REMAIN	
9564 9565	LIRIO DENDRON TULIPIFERA LIRIO DENDRON TULIPIFERA	TULIP POPLAR TULIP POPLAR	25 32	26 42	69 72	OFFSITE OFFSITE	REMAIN REMAIN	SMALL BEECH TREE RUBBING ON LOWER TRUNK.
	FAGUS GRANDFOLIA ACER RUBRUM	AMERICAN BEECH RED MAPLE	7 16	14 48	69 69	OFFSITE OFFSITE	REMAIN REMAIN	EXISTING FENCE RUBBING ROOT FLARE.  LEANING HEAVILY OVER NEIGHBORING HOUSE.
	FAGUS GRANDFOLIA FAGUS GRANDFOLIA	AMERICAN BEECH AMERICAN BEECH	9	12 15	75 72	OFFSITE OFFSITE	REMAIN REMAIN	
9570	FAGUS GRANDFOLIA	AMERICAN BEECH	8	23	69	OFFSITE	REMAIN	SOIL HIGHLY ERODED AROUND ROOT FLARE.
9571 9572	ROBINIA PSEUDOACACIA	BLACK LOCUST	9 15	17	72 59	OFFSITE ONSITE	REMAIN REMOVE	MOST OF CROWN PREVIOUSLY BROKEN OUT DUE TO STORM DAMAGE. MAIN SCAFFOLD BRANCH COMPLETELY DEAD. DECAY IN BASE OF TRUNK THAT EXTENDS
	LIRIO DENDRON TULIPIFERA	TULIP POPLAR	33	22	75	ONSITE	REMOVE	UP ENTIRE TRUNK.
9574 9575	ILEX OPACA ILEX OPACA	AMERICAN HOLLY AMERICAN HOLLY	5 5	9 12	72 72	ONSITE ONSITE	REMOVE REMOVE	
9576	FAGUS GRANDFOLIA	AMERICAN BEECH	13	14	69	ONSITE	REMOVE	GROWING OUT OF SAME POINT AS TREE 9577. TREE 9577'S BRANCHES ARE RUBBING TRUNK OF TREE 9576.
9577	ILEX OPACA	AMERICAN HOLLY	7	9	66	ONSITE	REMOVE	GROWING OUT OF SAME POINT AS TREE 9576. TREE 9576'S BRANCHES ARE RUBBING TRUNK OF TREE 9577.
9578	ACER PALMATUM	JAPANESE MAPLE	5	18	75	ONSITE	REMOVE	SIGNIFICANT VINE GROWTH ON TRUNK AND IN CROWN. OLD CONCRETE CURB ON
9579 9580	LIRIO DENDRON TULIPIFERA	TULIP POPLAR TULIP POPLAR	17	7	66 75	ONSITE OFFSITE	REMOVE REMOVE	ROOT FLARE.
9581	PRUNUS SEROTINA LIRIODENDRON TULIPIFERA	BLACK CHERRY TULIP POPLAR	28	39 22	69 72	OFFSITE OFFSITE	REMAIN REMAIN	TIP DIEBACK ON LEADER OVERHANGING NEIGHBORING HOUSE.
9583 9584	LIRIODENDRON TULIPIFERA ILEX OPACA	TULIP POPLAR  AMERICAN HOLLY	16 9	19 11	72 69	OFFSITE ONSITE	REMAIN REMOVE	
9585 9586	ILEX OPACA ILEX OPACA	AMERICAN HOLLY AMERICAN HOLLY	6 5	0 12	69 72	ONSITE ONSITE	REMOVE REMOVE	MULTIPLE TRUNKS. SOME MINOR INCLUDED BARK.
9587	UNIDENTIFIED	DEAD TREE	9	4	25	ONSITE	REMOVE	SEVERE LEAN. CROWN HAS PREVIOUSLY BROKEN OR TWISTED IN STORM.
9588	LIRIODENDRON TULIPIFERA	TULIP POPLAR	9	5	63	ONSITE	REMAIN	SIGNIFICANT VINE GROWTH ON TRUNK.
9595 9596	FAGUS GRANDFOLIA JUNIPERUS VIRGINIANA	AMERICAN BEECH EASTERN REDCEDAR	12 9	30 14	69 69	OFFSITE ONSITE	REMAIN REMAIN	UNEVEN CANOPY.
9601	FAGUS GRANDFOLIA	AMERICAN BEECH	22	21	59	OFFSITE	REMAIN	SOIL AROUND ROOT FLARE HIGHLY ERODED. MANY SMALL GIRDLING ROOTS. 1/3 OF CANOPY DEAD/DYING. LEAVES ARE SCORCHED AND BEGINNING TO TURN
9602	LIRIODENDRON TULIPIFERA	TULIP POPLAR	35	24	72	ONSITE	REMAIN	BROWN. LEAVES BEGINNING TO CHANGE COLOR AND DROP.
9603	MALUS SPP.	CRABAPPLE	8	8	38	OFFSITE	REMAIN	ALMOST COMPLETELY DEAD. TRUNK IS TWISTED AND CRACKED AND IS MISSING SOME BARK. MAIN LEADER REMOVED AT UNION; SECONDARY LEADER DEAD. ROOTS DAMAGED BY LOCATION OF TRAIL AND PLANTER BOXES.
9604	PINUS NIGRA	AUSTRIAN PINE	9	14	63	OFFSITE	REMAIN	POOR PRUNING CUTS CAUSING DECAY. NEEDLE BUNCHES ARE DISCOLORING AND TURNING BROWN. FOUR SMALL DEAD STUBS.  ALMOST COMPLETELY DEAD. TRUNK IS TWISTED AND CRACKED AND HAS ALMOST
9605	MALUS SPP.	CRABAPPLE	17	20	44	OFFSITE	REMAIN	NO BARK ON IT. TWO MAJOR BRANCHES DEAD. ROOTS DAMAGED BY LOCATION OF TRAIL AND PLANTER BOXES.
9606	TSUGA CANADENSIS	EASTERN HEMLOCK	15	22	66	OFFSITE	REMAIN	LEANING. UNEVEN CANOPY STRUCTURE. INTERIOR AND LOWER BRANCH ENDS  DEAD. POOR PRUNING CUT HEALING OVER.
	PYRUS CALLERYANA	CALLERY PEAR	15	25	38	ONSITE	REMOVE	ONE LEADER HAS TORN OUT. MANY SAPSUCKER HOLES IN TRUNK. ALMOST COMPLETELY DEAD. GIRDLING ROOTS.  DUAL LEADERS. MANY SAPSUCKER HOLES ON TRUNKS. MOSS ON TRUNKS. SOME
	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	14	15	59	ONSITE	REMOVE	DEAD MID-SIZE BRANCHES. MULTI-TRUNK. SAPSUCKER HOLES IN TRUNKS. MULTIPLE WOUNDS WITH ROT DUE
9609	MALUS SPP.	CRABAPPLE	29	20	63	ONSITE	REMOVE	TO BRANCH REMOVALS.
9610	ILEX OPACA	AMERICAN HOLLY	13	18	66	ONSITE	REMOVE	ROOT FLARE BURIED; SUCKERS BEGINNING TO GROW OUT OF ROOT FLARE. OLD PRUNING WOUND HEALING OVER WITH ROT PRESENT IN HEARTWOOD.
	LIRIO DENDRON TULIPIFERA	TULIP POPLAR	17	27	69	OFFSITE	REMAIN	MANY LARGE GIRDLING ROOTS. SOIL AROUND ROOT FLARE IS HIGHLY ERODED.  LARGE DEAD SCAFFOLD BRANCH PRESENT.
9612 9613	ACER RUBRUM ACER RUBRUM	RED MAPLE RED MAPLE	8 17	20 20	66 69	ONSITE ONSITE	REMAIN REMAIN	SIGNIFICANT VINE GROWTH ON TRUNK AND IN CANOPY. SIGNIFICANT VINE GROWTH ON TRUNK AND IN CANOPY.
9614 9615	PRUNUS SEROTINA ACER RUBRUM	BLACK CHERRY RED MAPLE	7 9	16 15	72 72	OFFSITE OFFSITE	REMAIN REMAIN	
9616 9617	ACER RUBRUM ROBINIA PSEUDOACACIA	RED MAPLE BLACK LOCUST	7 5	14 15	72 72	OFFSITE OFFSITE	REMAIN REMAIN	MANY VINES IN CANOPY. SMALL SECONDARY TRUNK DEAD.
9618	ROBINIA PSEUDOACACIA LIRIODENDRON TULIPIFERA	BLACK LOCUST TULIP POPLAR	10 29	20	72 69	OFFSITE ONSITE	REMAIN REMOVE	UNEVEN CANOPY. DEAD BRANCHES IN CANOPY. SIGNIFICANT VINE GROWTH ON TRUNK. SOME DEAD SCAFFOLD BRANCHES.

FREE#	BOTANICAL NAME	COMMON NAME	TRUNK DIAMETER (INCHES) / CRITICAL ROOT ZONE RADIUS (FEET)	SURVEYED DRIPLINE RADIUS (FEET)	CONDITION RATING	LOCATION	PROCEDURE	COMMENTS
	ROBINIA PSEUDOACACIA ROBINIA PSEUDOACACIA	BLACK LOCUST BLACK LOCUST	5 10	15 20	72 72	OFFSITE OFFSITE	REMAIN REMAIN	SMALL SECONDARY TRUNK DEAD.  UNEVEN CANOPY, DEAD BRANCHES IN CANOPY.
	LIRIODENDRON TULIPIFERA	TULIP POPLAR	29	18	69	ONSITE	REMOVE	SIGNIFICANT VINE GROWTH ON TRUNK. SOME DEAD SCAFFOLD BRANCHES.
9620	ACER RUBRUM	RED MAPLE	6	18	38	ONSITE	REMOVE	CAVITY IN ROOT FLARE. TOP OF TREE BROKEN OFF. ROT FORMING BELOW WHERE LEADER BROKE OFF.
	LIRIODENDRON TULIPIFERA	TULIP POPLAR	33	35	72	ONSITE	REMOVE	SIGNIFICANT VINE GROWTH ON TRUNK.
	LIRIODENDRON TULIPIFERA UNIDENTIFIED	TULIP POPLAR DEAD TREE	25 10	19 3	69 25	OFFSITE ONSITE	REMAIN REMOVE	LEAVES BEGINNING TO CHANGE COLOR, TURN BROWN, AND DROP.
	PYRUS CALLERYANA	CALLERY PEAR	5	8	69	OFFSITE	REMAIN	MOST BRANCHES DEAD ON ONE SIDE.
9625	LIRIODENDRON TULIPIFERA	TULIP POPLAR	27	25	69	ONSITE	REMOVE	SIGNIFICANT VINE GROWTH ON TRUNK. SECONDARY TREE GROWING OUT OF ROOT FLARE.
9626	LIRIODENDRON TULIPIFERA	TULIP POPLAR	23	30	72	ONSITE	REMOVE	SIGNIFICANT VINE GROWTH ON TRUNK.
627	LIRIODENDRON TULIPIFERA	TULIP POPLAR	20	18	66	ONSITE	REMAIN	LEANING AND OVERHANGING ROAD. LEAVES BEGINNING TO CHANGE COLOR AND DROP.
	LIRIODENDRON TULIPIFERA	TULIP POPLAR	27 8	17 2	72	OFFSITE	REMAIN	ONE LARGE GIRDLING ROOT.
	ACER RUBRUM LIRIODENDRON TULIPIFERA	RED MAPLE TULIP POPLAR	31	20	72 72	OFFSITE OFFSITE	REMAIN REMAIN	SIGNIFICANT VINE GROWTH ON TRUNK.
	UNIDENTIFIED LIRIODENDRON TULIPIFERA	DEAD TREE TULIP POPLAR	10 26	7 15	25 69	ONSITE OFFSITE	REMOVE REMAIN	DUAL TRUNKS. INCLUDED BARK.
	FAGUS GRANDFOLIA	AMERICAN BEECH	7	13	69	OFFSITE	REMAIN	OLD WOUND AT BASE OF TRUNK. DECAY IN HEARTWOOD EXPOSED BY WOUND.
	LIRIODENDRON TULIPIFERA ACER RUBRUM	TULIP POPLAR RED MAPLE	27 8	34 16	72 69	ONSITE OFFSITE	REMAIN REMAIN	UNEVEN CANOPY. MANY VINES.  WOUND ON LOWER TRUNK. ONE DEAD BRANCH.
	UNIDENTIFIED	DEAD TREE	19	13	25	OFFSITE	REMAIN	DEAD TREE.
637	ACER RUBRUM	RED MAPLE	7	14	75	OFFSITE	REMAIN	CO-DOMINANT CROWN STRUCTURE. MAIN SCAFFOLD BRANCHES RUBBING
	ACER RUBRUM	RED MAPLE	12	16	69	OFFSITE	REMAIN	AGAINST ONE ANOTHER AND CREATING WOUNDS.
	LIRIODENDRON TULIPIFERA ROBINIA PSEUDOACACIA	TULIP POPLAR BLACK LOCUST	48 10	25 18	75 66	OFFSITE OFFSITE	REMAIN REMAIN	SIGNIFICANT VINE GROWTH ON TRUNK AND IN CANOPY.
641	UNIDENTIFIED	DEAD TREE	20	2	25	ONSITE	REMOVE	SIGNATIONAL WINE GROWN IT ON TROUNK AIND IN CAINUPY.
	BETULA LENTA LIRIODENDRON TULIPIFERA	BLACK BIRCH TULIP POPLAR	8 30	16 31	75 75	ONSITE OFFSITE	REMAIN REMAIN	
644	ROBINIA PSEUDOACACIA	BLACK LOCUST	9	17	69	OFFSITE	REMAIN	
	ILEX OPACA	AMERICAN HOLLY	7	10	72	OFFSITE	REMAIN	FUNGAL FRUITING BODY GROWING AT BASE OF ROOT FLARE. LARGE SCAFFOLD
646	PRUNUS SEROTINA	BLACK CHERRY	20	33	69	ONSITE	REMOVE	BRANCH OVERHANGING EXISTING BUILDING.
647	FRAXINUS AMERICANA	WHITE ASH	19	20	69	ONSITE	REMOVE	TOP OF CENTRAL LEADER IS COMPLETELY DEAD. DECAY FROM DEAD LEADER APPEARS TO BE SPREADING DOWN TRUNK.
	ILEX OPACA	AMERICAN HOLLY	8	10	75	OFFSITE	REMAIN	AND TO BE STREADING DOWN INCINC.
	ILEX OPACA ROBINIA PSEUDOACACIA	AMERICAN HOLLY BLACK LOCUST	7	9	72 72	OFFSITE OFFSITE	REMAIN REMAIN	
	ROBINIA PSEUDOACACIA LIRIODENDRON TULIPIFERA	TULIP POPLAR	46	32	72	OFFSITE	REMAIN REMAIN	
652	ROBINIA PSEUDOACACIA	BLACK LOCUST	5	12	75	OFFSITE	REMAIN	GROWING AT AN ANGLE. CAVITY IN TRUNK (SMALL). TAGGED WITH TWO TAGS
653	BETULA LENTA	BLACK BIRCH	8	23	69	ONSITE	REMOVE	(9653/9702)
	BETULA LENTA BETULA LENTA	BLACK BIRCH BLACK BIRCH	<u>8</u> 7	17 12	72 75	ONSITE ONSITE	REMAIN REMOVE	
	LIRIODENDRON TULIPIFERA	TULIP POPLAR	26	17	72	ONSITE	REMOVE	OLD WOUND HEALING OVER AT BASE OF TRUNK.
	ROBINIA PSEUDOACACIA LIRIODENDRON TULIPIFERA	BLACK LOCUST TULIP POPLAR	5 18	10 20	72 75	OFFSITE OFFSITE	REMAIN REMAIN	
	ILEX OPACA	AMERICAN HOLLY	5	9	72	OFFSITE	REMAIN	OLD CABLE STUCK IN BRANCH UNION. TREE BEGINNING TO GROW AROUND OLD
	ILEX OPACA	AMERICAN HOLLY	6	9	75	OFFSITE	REMAIN	CABLE.
	LIRIODENDRON TULIPIFERA	TULIP POPLAR	31	20	72	OFFSITE	REMAIN	
	LIRIODENDRON TULIPIFERA ROBINIA PSEUDOACACIA	TULIP POPLAR BLACK LOCUST	23	23 14	69 72	OFFSITE OFFSITE	REMAIN REMAIN	
	FAGUS GRANDFOLIA	AMERICAN BEECH	6	12	69	OFFSITE	REMAIN	LEADER BROKEN OUT.
667	LIRIODENDRON TULIPIFERA	TULIP POPLAR	50	80	69	OFFSITE	REMAIN	SOME GIRDLING ROOTS. TRUNK DISPLAY SURFACE INSECT DAMAGE. SOME CAVITIES IN ROOT FLARE.
667 B	LIRIODENDRON TULIPIFERA	TULIP POPLAR	50	80	69	OFFSITE	REMAIN	SOME GIRDLING ROOTS. TRUNK DISPLAY SURFACE INSECT DAMAGE. SOME
	ILEX OPACA	AMERICAN HOLLY	7	10	72	OFFSITE	REMAIN	CAVITIES IN ROOT FLARE.  OLD WOUND IN TRUNK HEALING OVER.
	ILEX OPACA	AMERICAN HOLLY	5	8	69	OFFSITE	REMAIN	OLD CABLE AROUND TREE. TREE BEGINNING TO GROW AROUND OLD CABLE.
	SASSAFRAS ALBIDUM LIRIODENDRON TULIPIFERA	SASSAFRAS TULIP POPLAR	6 29	9 26	69 75	OFFSITE ONSITE	REMAIN REMAIN	
	PRUNUS VIRGINIANA	CHOKE CHERRY	9	18	72	ONSITE	REMOVE	ADJACENT CHOKE CHERRY IS RUBBING AGAINST TRUNK.
	FAGUS GRANDFOLIA ACER RUBRUM	AMERICAN BEECH RED MAPLE	7 29	16 30	75 72	OFFSITE OFFSITE	REMAIN REMAIN	HIGH NUMBER OF EPICORMIC SPROUTS GROWING ON TRUNK.
	ACER RUBRUM	RED MAPLE	15	30	69	ONSITE	REMAIN	SOLI ADOLINIO DOCTO IS INCIMIVEDODED
	LIRIODENDRON TULIPIFERA PRUNUS VIRGINIANA	TULIP POPLAR CHOKE CHERRY	6	29 12	72 72	ONSITE ONSITE	REMAIN REMAIN	SOIL AROUND ROOTS IS HIGHLY ERODED.  SOIL AROUND ROOTS IS HIGHLY ERODED.
687	FAGUS GRANDFOLIA	AMERICAN BEECH	12	15	75	OFFSITE	REMAIN	
	FAGUS GRANDFOLIA LIRIODENDRON TULIPIFERA	AMERICAN BEECH TULIP POPLAR	6 32	15 35	75 69	OFFSITE ONSITE	REMAIN REMAIN	LARGE SCAFFOLD BRANCH BROKEN DUE TO STORM DAMAGE.
	ACER RUBRUM	RED MAPLE	27	39	69	ONSITE	REMAIN	LARGE GIRDLING ROOT. LEANING OVER PARKING LOT.
	ACER RUBRUM PRUNUS SEROTINA	RED MAPLE BLACK CHERRY	12 5	12 16	72 72	OFFSITE OFFSITE	REMAIN REMAIN	CURVE IN TRUNK.
	ILEX OPACA	AMERICAN HOLLY	19	17	66	ONSITE	REMAIN	OLD WOUND ON TRUNK HEALING OVER. ROT SPREADING UP TRUNK WITH BARK
695	ACER RUBRUM	RED MAPLE	12	17	72	ONSITE	REMAIN	BEGINNING TO PEEL WHERE ROT IS PRESENT.
	LIRIODENDRON TULIPIFERA	TULIP POPLAR	24	15 16	72 63	ONSITE	REMAIN	LAWNMOWER DAMAGE TO SURFACE ROOTS.
	PINUS STROBUS LIRIODENDRON TULIPIFERA	WHITE PINE TULIP POPLAR	10 29	16 29	63 75	ONSITE ONSITE	REMOVE REMAIN	CURVY TRUNK. DEFOLIATION IN NEEDLES. MANY STUBS ON TRUNK.
	JUNIPERUS VIRGINIANA	EASTERN REDCEDAR	8	12	69	ONSITE	REMOVE	MANY HEALED CAVITIES IN TRUNK.
	FAGUS GRANDFOLIA LIRIODENDRON TULIPIFERA	AMERICAN BEECH TULIP POPLAR	38	15 50	75 66	OFFSITE OFFSITE	REMAIN REMAIN	SIGNIFICANT ENGLISH IVY ON TRUNK. CAVITY ON TRUNK WITH SOOTY MILDEW.
	LIRIODENDRON TULIPIFERA	TULIP POPLAR	42	40	63	ONSITE	REMOVE	DUAL TRUNKS. SEVERE INCLUDED BARK.
704	LIRIODENDRON TULIPIFERA	TULIP POPLAR	37	30	69	ONSITE	REMOVE	SIGNIFICANT ENGLISH IVY ON TRUNK. CULVERT NEARBY MEANS MANY ROCKS ON/NEAR ROOTS.
705	ACER RUBRUM	RED MAPLE	30	28	66	ONSITE	REMOVE	THREE TRUNKS; ONE DEAD. INCLUDED BARK BETWEEN TRUNKS. MAIN TRUNK'S
706	ACER RUBRUM	RED MAPLE	12	10	72	OFFSITE	REMAIN	LEADER BROKEN OUT. GIRDLING ROOTS.
	LIRIODENDRON TULIPIFERA LIRIODENDRON TULIPIFERA	TULIP POPLAR TULIP POPLAR	26 15	29 25	72 72	ONSITE ONSITE	REMAIN REMAIN	
709	LIRIODENDRON TULIPIFERA	TULIP POPLAR	30	40	72	ONSITE	REMAIN	SIGNIFICANT VINE GROWTH ON TRUNK.
	FRAXINUS AMERICANA LIRIODENDRON TULIPIFERA	WHITE ASH TULIP POPLAR	7 13	4 19	47 75	ONSITE OFFSITE	REMAIN REMAIN	TOP HALF OF TREE IS DEAD. EPICORMIC SPROUTING ON TRUNK.
	ACER RUBRUM	RED MAPLE	7	15	69	ONSITE	REMAIN	OLD WOUND LEADING TO CAVITY AND EXPOSED DECAY IN UPPER TRUNK.
	ACER RUBRUM	RED MAPLE	38	35	66	OFFSITE	REMAIN	TRUNK IS HOLLOW AND DECAYED ABOUT 2/3 UP MAIN TRUNK.  2/3 OF CROWN BROKEN OUT, MAIN LEADER BROKEN OUT DUE TO STORM
714	LIRIODENDRON TULIPIFERA	TULIP POPLAR	15	20	63	ONSITE	REMAIN	DAMAGE.
715	ILEX OPACA	AMERICAN HOLLY	7	9	75	ONSITE	REMAIN	
716	ACER RUBRUM	RED MAPLE	10	20	69	OFFSITE	REMAIN	BROKEN BRANCH AND HANGER IN CROWN DUE TO TOP FROM NEIGHBORING TRILLIANDING IN IT. OLD PRUNING WOUNDS HEALING OVER.
	LIRIODENDRON TULIPIFERA	TULIP POPLAR	44	50	72	ONSITE	REMOVE	
	ILEX OPACA	AMERICAN HOLLY	8	12	72	ONSITE	REMAIN	CAVITY PRESENT ALONG ENTIRE TRUNK. NUMEROUS SMALL DEAD BRANCHES. VIN
	ACER RUBRUM	RED MAPLE	14	10	59	ONSITE	REMAIN	GROWING UP TRUNK AND THROUGHOUT CANOPY.
	ILEX OPACA FAGUS GRANDFOLIA	AMERICAN HOLLY AMERICAN BEECH	5	8 12	72 66	ONSITE ONSITE	REMOVE REMOVE	
722	ILEX OPACA	AMERICAN HOLLY	6	13	72	ONSITE	REMOVE	MULTIPLE TRUNKS.
	ILEX OPACA FRAXINUS PENNSYLVANICA	AMERICAN HOLLY GREEN ASH	7 6	13 12	72 69	ONSITE ONSITE	REMOVE REMOVE	MULTIPLE TRUNKS.  TWO TRUNKS. GRAPE VINES IN CANOPY.
	BETULA LENTA	BLACK BIRCH	9	15	72	ONSITE	REMOVE	DUAL TRUNKS.
	. ————————————————————————————————————							<u> </u>

ONSITE

ONSITE

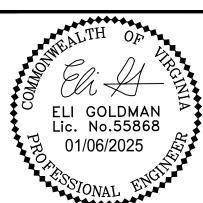
REMOVE GROWING OVER TOP OF CONCRETE CULVERT. INCLUDED BARK BETWEEN TRUNKS.

REMOVE

TREE #	BOTANICAL NAME	COMMON NAME	TRUNK DIAMETER (INCHES)
1	ILEX OPACA	AMERICAN HOLLY	1
2	FAGUS GRANDFOLIA	AMERICAN BEECH	1
3	ILEX OPACA	AMERICAN HOLLY	1
4	FAGUS GRANDFOLIA	AMERICAN BEECH	1
5	PRUNUS SEROTINA	BLACK CHERRY	3
6	ILEX OPACA	AMERICAN HOLLY	1
7	ILEX OPACA	AMERICAN HOLLY	1
8	ILEX OPACA	AMERICAN HOLLY	2
9	ILEX OPACA	AMERICAN HOLLY	2
10	ILEX OPACA	AMERICAN HOLLY	1
11	PRUNUS SEROTINA	BLACK CHERRY	4
12	ILEX OPACA	AMERICAN HOLLY	4
13	ILEX OPACA	AMERICAN HOLLY	3
14	PRUNUS SEROTINA	BLACK CHERRY	2
15	FAGUS GRANDFOLIA	AMERICAN BEECH	1
16	FAGUS GRANDFOLIA	AMERICAN BEECH	4
<u> </u>	FAGUS GRANDFOLIA	AMERICAN BEECH	2
18	ILEX OPACA	AMERICAN HOLLY	2
19	ILEX OPACA	AMERICAN HOLLY	3
20	ILEX OPACA	AMERICAN HOLLY	4
21	PRUNUS SEROTINA	BLACK CHERRY	2
22	PRUNUS SEROTINA	BLACK CHERRY	3
23	PRUNUS SEROTINA	BLACK CHERRY	2
24	CORNUS FLORIDA	FLOWERING DOGWOOD	4
25	ACER PALMATUM	JAPANESE MAPLE	4
26	CORNUS FLORIDA	FLOWERING DOGWOOD	3
27	ROBINIA PSEUDOACACIA	BLACK LOCUST	1
28	ROBINIA PSEUDOACACIA	BLACK LOCUST	2
29	ROBINIA PSEUDOACACIA	BLACK LOCUST	1
30	ROBINIA PSEUDOACACIA	BLACK LOCUST	1
31	ROBINIA PSEUDOACACIA	BLACK LOCUST	1
32	ROBINIA PSEUDOACACIA	BLACK LOCUST	1
33	ROBINIA PSEUDOACACIA	BLACK LOCUST	2
34	ROBINIA PSEUDOACACIA	BLACK LOCUST	2
35	ROBINIA PSEUDOACACIA	BLACK LOCUST	1
36	QUERCUS RUBRA	NORTHERN RED OAK	2
37	FAGUS GRANDFOLIA	AMERICAN BEECH	3
38	ILEX OPACA	AMERICAN HOLLY	2
39	ILEX OPACA	AMERICAN HOLLY	3
40	FAGUS GRANDFOLIA	AMERICAN BEECH	3
41	FAGUS GRANDFOLIA	AMERICAN BEECH	4
42	CARYA GLABRA	PIGNUT HICKORY	5
43	ILEX OPACA	AMERICAN HOLLY	3
44	ILEX OPACA	AMERICAN HOLLY	2

TREE PRESERVATION SCHEDULE FOR TREES BELOW 5" CALIPE





HGHLANDS AT MANTUA

L DEVELOPMENT PLAN AMENDMENT

EVELOPMENT PLAN & ZONING MAP AMENDMENT

CITY OF FAIRFAX, VA HIC GENERAL MASTER DEVE

PROJECT No.: 23005060.00 DRAWING No.: 112931 DATE: 2025-01-06 SCALE: NOT TO SCALE DESIGN: AH, QN DRAWN: AH, QN CHECKED: JM

SHEET TITLE:

ISA CERTIFIED ARBORIST APPROVAL:

Quinn Nolan

ISA Certified Arborist, NE-7474A

4035 Ridge Top Road, Suite 601

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Fairfax, VA 22030

914.482.3766

**PRESERVATION TABULATIONS** 02-27-2024 Date:

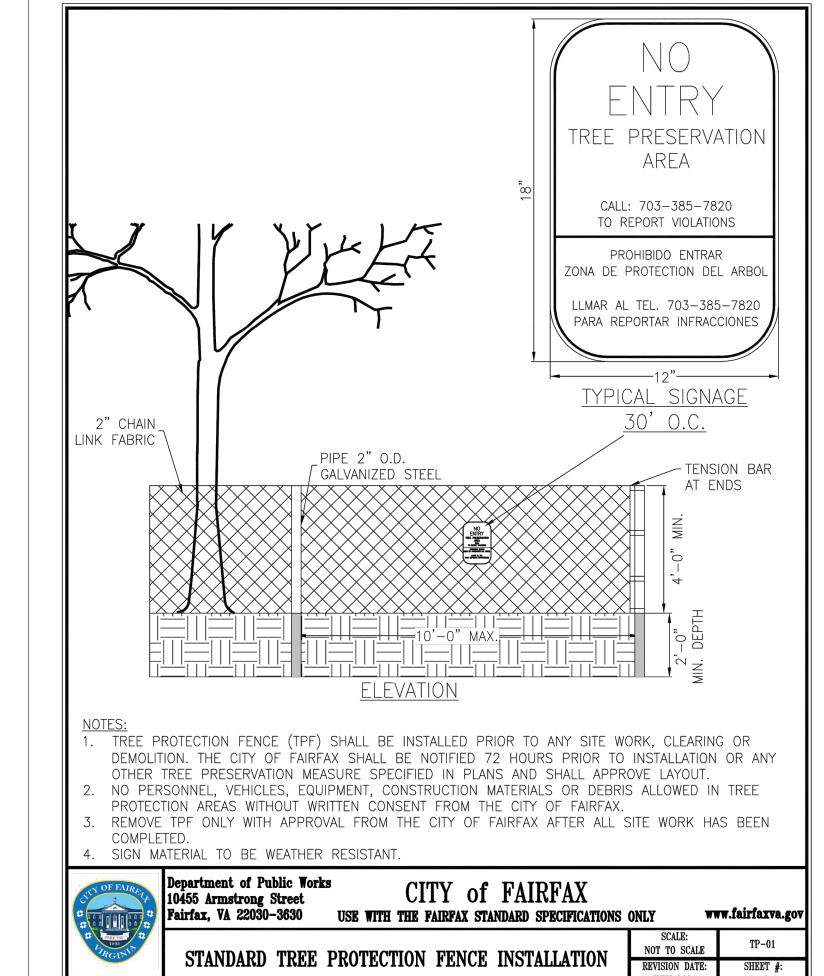
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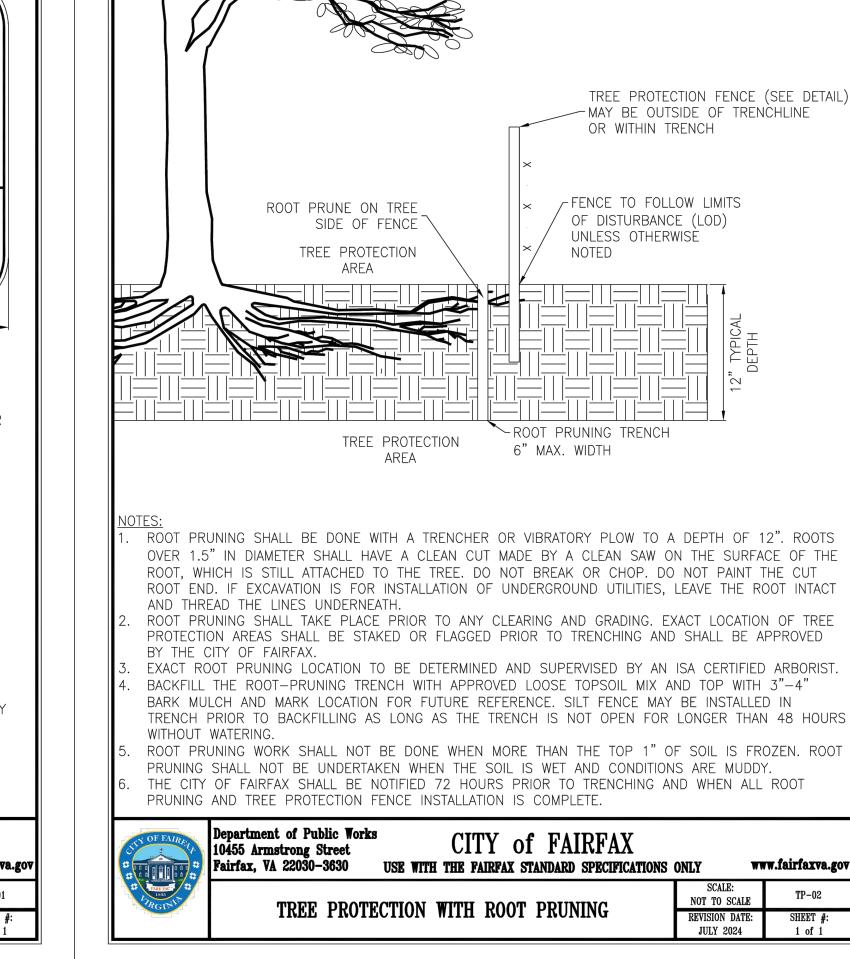
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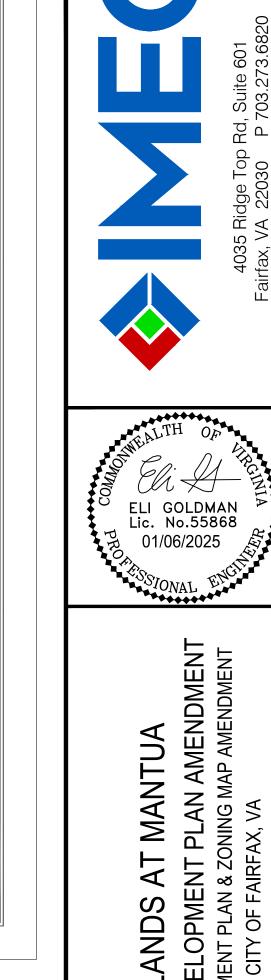
TREE

	TREE#	BOTANICAL NAME	COMMON NAME	TRUNK DIAMETER (INCHES) / CRITICAL ROOT ZONE RADIUS (FEET)	SURVEYED DRIPLINE RADIUS (FEET)	CONDITION RATING	LOCATION	PROCEDURE	COMMENTS
	9728	LIRIODENDRON TULIPIFERA	TULIP POPLAR	13	19	72	ONSITE	REMOVE	SIGNIFICANT ENGLISH IVY ON TRUNK.
	9729	UNIDENTIFIED	DEAD TREE	14	4	25	ONSITE	REMOVE	DEAD TREE.
	9730	LIRIODENDRON TULIPIFERA	TULIP POPLAR	14	15	75	ONSITE	REMOVE	
	9731	PINUS STROBUS	WHITE PINE	24	20	75	ONSITE	REMOVE	
ı	9732	PINUS STROBUS	WHITE PINE	11	14	72	ONSITE	REMOVE	
ı	9733	PINUS STROBUS	WHITE PINE	21	20	69	ONSITE	REMOVE	
ı	9734 9735	PINUS STROBUS PINUS STROBUS	WHITE PINE WHITE PINE	22	27 30	69 72	ONSITE ONSITE	REMOVE REMOVE	
ı	9736	CORNUS FLORIDA	FLOWERING DOGWOOD	7	15	59	ONSITE	REMOVE	DECAY IN BOTH TRUNKS. BARK IS SLOUGHING OFF, EXPOSING HEARTWOOD.  APPROXIMATELY 1/3 OF CANOPY IS DEAD.
ı	9737	CORNUS FLORIDA	FLOWERING DOGWOOD	9	13	66	ONSITE	REMOVE	LEAVES INDICATE THAT TREE IS SUFFERING FROM FUNGAL DISEASE.
	9738	UNIDENTIFIED	DEAD TREE	7	8	25	ONSITE	REMOVE	TREE IS DEAD.
- 1	9739	CORNUS KOUSA	KOUSA DOGWOOD	7	16	72	ONSITE	REMOVE	
	9740	CORNUS KOUSA	KOUSA DOGWOOD	5	11	69	ONSITE	REMOVE	
	9741	ACER SACCHARINUM	SILVER MAPLE	13	40	69	ONSITE	REMOVE	SEVERE LEAN OVER EXISTING BUILDING.
	9742	ACER SACCHARINUM	SILVER MAPLE	12	12	69	ONSITE	REMOVE	FUNGAL FRUITING BODIES GROWING ON ROOT FLARE. DECAY PRESENT IN ROOT FLARE.
4	9743	ACER SACCHARINUM	SILVER MAPLE	15	35	75	ONSITE	REMOVE	
	9744	ACER SACCHARINUM	SILVER MAPLE	11	12	69	ONSITE	REMOVE	SIGNIFICANT EPICORMIC GROWTH ON TRUNK.
		ACER SACCHARINUM	SILVER MAPLE	9	17	66	ONSITE	REMOVE	SIGNIFICANT POISON IVY GROWTH ON TRUNK AND INTO CANOPY. HEAVY LEAN.
	9746	LIRIODENDRON TULIPIFERA	TULIP POPLAR	19	15	75	ONSITE	REMOVE	
	9747	LIRIODENDRON TULIPIFERA	TULIP POPLAR	27	28	66	ONSITE	REMOVE	ROOTS ARE HIGHLY ERODED. OLD WOUND EXPOSING DECAY. OLD WOUND HAS CREATED WEEPING CANKER.
	9748	ACER RUBRUM	RED MAPLE	8	9	75	ONSITE	REMOVE	
	9749	FAGUS GRANDFOLIA	AMERICAN BEECH	9	20	69	ONSITE	REMOVE	OLD TRUNK ON TOP OF ROOT FLARE.
	9750	FAGUS GRANDFOLIA	AMERICAN BEECH	8	17	75	ONSITE	REMOVE	
	9751	ILEX OPACA	AMERICAN HOLLY	<del>  '</del>	8	75	ONSITE	REMOVE	
ı	9752 9753	FAGUS GRANDFOLIA FAGUS GRANDFOLIA	AMERICAN BEECH AMERICAN BEECH	8 8	12	75	ONSITE	REMOVE REMOVE	
	9753	ACER RUBRUM	RED MAPLE	22	14 34	75 72	ONSITE ONSITE	REMOVE	
ı	9755	LIRIODENDRON TULIPIFERA	TULIP POPLAR	30	27	72	ONSITE	REMOVE	DEAD SCAFFOLD BRANCHES. SIGNIFICANT ENGLISH IVY ON TRUNK.
ı	9756	LIRIODENDRON TULIPIFERA	TULIP POPLAR	34	36	69	ONSITE	REMOVE	SIGNIFICANT ENGLISH IVY ON TRUNK. CURVE IN TRUNK BASE.
	9757	LIRIODENDRON TULIPIFERA	TULIP POPLAR	11	21	69	ONSITE	REMOVE	STORT TO THE ENGLISH TO THE TROTAL CORVE IN TROTAL BY SE.
	9758	CORNUS FLORIDA	FLOWERING DOGWOOD	8	18	66	ONSITE	REMOVE	DOUBLE TRUNK. THIRD TRUNK REMOVED. ROT POCKET IN TRUNK DUE TO REMOVED BRANCH. ROT POCKET IN SECOND TRUNK DUE TO TEAR OUT. FEW WOUNDS IN TRUNK.
	9759	MALUS SPP.	CRABAPPLE	12	22	63	ONSITE	REMOVE	SIGNIFICANT SAPSUCKER HOLES ON TRUNK AND ALL BRANCHES. MECHANICAL DAMAGE TO ROOT.
	9760	PRUNUS SEROTINA	BLACK CHERRY	10	12	63	ONSITE	REMOVE	ROT IN TRUNK FROM DEAD SECONDARY TRUNK REMOVAL. OTHER WOUNDS IN TRUNK. SIGNIFICANT ENGLISH IVY ON TRUNK. MANY SMALL BRANCHES, NOT MANY LARGE SCAFFOLD BRANCHES.
	9761	LIRIODENDRON TULIPIFERA	TULIP POPLAR	24	18	72	ONSITE	REMAIN	SIGNIFICANT ENGLISH IVY ON TRUNK.
ı	9762	LIRIODENDRON TULIPIFERA	TULIP POPLAR	29	38	72	ONSITE	REMAIN	SIGNIFICANT ENGLISH IVY ON TRUNK.
ı	9763	LIRIODENDRON TULIPIFERA	TULIP POPLAR	5	12	72	ONSITE	REMAIN	DEAD TRUNK ATTACHED
	9764	ACER SACCHARUM	SUGAR MAPLE	22	21	66	ONSITE	REMAIN	DEAD TRUNK ATTACHED.
	9765 9766	LIRIODENDRON TULIPIFERA ACER RUBRUM	TULIP POPLAR RED MAPLE	9	16 25	72 69	ONSITE ONSITE	REMAIN REMAIN	CAVITY IN TRUNK.
	9767	LIRIODENDRON TULIPIFERA	TULIP POPLAR	11	22	69	ONSITE	REMAIN	
1	9768	LIRIODENDRON TULIPIFERA	TULIP POPLAR	21	47	63	ONSITE	REMOVE	WOUNDS IN TRUNK. LARGE TORN-OFF BRANCH ON TRUNK. TRUNK IS TWISTY AND UNEVEN.
	9769	LIRIODENDRON TULIPIFERA	TULIP POPLAR	19	21	69	ONSITE	REMOVE	TWISTY TRUNK.
	9770	UNIDENTIFIED	DEAD TREE	7	2	25	ONSITE	REMOVE	DEAD TREE.
	9771	ROBINIA PSEUDOACACIA	BLACK LOCUST	7	24	69	ONSITE	REMOVE	
	9772	ROBINIA PSEUDOACACIA	BLACK LOCUST	8	16	72	ONSITE	REMOVE	
	9773	ROBINIA PSEUDOACACIA	BLACK LOCUST	12	18	72	ONSITE	REMOVE	
	9774	ROBINIA PSEUDOACACIA	BLACK LOCUST	12	14	69	ONSITE	REMOVE	TRUNK SEVERELY RUBBING TREE 9774.
	9775	ROBINIA PSEUDOACACIA	BLACK LOCUST	9	28	66	ONSITE	+	TRUNK SEVERELY RUBBING TREE 9774. HAS HEAVY LEAN TOWARDS ADJACENT BACKYARD.
	9776	SASSAFRAS ALBIDUM	SASSAFRAS	13	23	75	ONSITE	REMOVE	
	9777	FAGUS GRANDFOLIA	AMERICAN BEECH	24	28	75	ONSITE	REMOVE	
	9778	FAGUS GRANDFOLIA	AMERICAN BEECH	7	15	72	ONSITE	REMOVE	SMALL WOUND ON TRUNK. ROOTS EXPOSED.
	9779	LIRIODENDRON TULIPIFERA	TULIP POPLAR	15 5	30	72	ONSITE	REMOVE	SOME EXPOSED ROOTS.
3	9780 9782	FAGUS GRANDFOLIA FAGUS GRANDFOLIA	AMERICAN BEECH AMERICAN BEECH	12	12 19	75 66	ONSITE ONSITE	REMOVE REMOVE	SMALL WOUND ON TRUNK.  GROWING DIRECTLY INTO ADJACENT DEAD TREE TRUNK.
	9783	SASSAFRAS ALBIDUM	SASSAFRAS	6	16	44	ONSITE	REMOVE	ALMOST ENTIRELY DEAD. WEEPING WOUND IN TRUNK. ROT IN TRUNK.
	9784	FAGUS GRANDFOLIA	AMERICAN BEECH	6	12	72	ONSITE	REMAIN	MULTIPLE WOUNDS ON MULTIPLE BRANCHES. CANOPY OF TREE 9785 LAYING IN CANOPY OF TREE 9784.
	9785	PRUNUS SEROTINA	BLACK CHERRY	8	17	66	ONSITE	REMOVE	LEAN IN TRUNK. EXTREMELY UNEVEN CANOPY.
	9786	PRUNUS SEROTINA	BLACK CHERRY	7	19	63	ONSITE	REMAIN	EXTREME LEAN. ROT IN TRUNK.
	9787 9788	CARYA GLABRA LIRIODENDRON TULIPIFERA	PIGNUT HICKORY TULIP POPLAR	6 28	11 32	72 72	ONSITE ONSITE	REMOVE REMOVE	INCLUDED BARK AT TOP OF TREE.  ROT IN ROOT FLARE.
	9788	FAGUS GRANDFOLIA	AMERICAN BEECH	6	14	75	ONSITE	REMOVE	NOT HA NOOT I LANE.
	9790	FAGUS GRANDFOLIA	AMERICAN BEECH	7	12	75	ONSITE	REMOVE	
		#5V 0D4 C4	l==		1			DENAMEN	DUAL TRUNKS. INCLUDED BARK AND SMALL CAVITY IN UNION. SOME SCAFFOLD

BRANCHES GROWING TOGETHER WITH INCLUDED BARK.









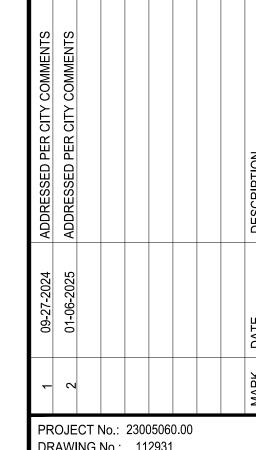
**GENERAL NOTES:** 

CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING ANY WORK. ALL CONSTRUCTION ACTIVITY BEYOND THE LIMITS OF CLEARING AND GRADING SHOWN WITHIN THIS PLAN

SET SHALL BE PROHIBITED UNLESS PREVIOUSLY APPROVED BY THE CITY OF FAIRFAX.

3. ANY TREES REQUIRED TO BE CLEARED OUTSIDE OF THE LIMITS OF DISTURBANCE MAY ONLY BE CLEARED BY

ISA CERTIFIED ARBORIST APPROVAL: 02-27-2023 Quinn Nolan ISA Certified Arborist, NE-7474A 4035 Ridge Top Road, Suite 601 Fairfax, VA 22030 914.482.3766 quinn.c.nolan@imegcorp.com



GHL DEVE ELOPM

HI LERAL TER DEVI

GEN

DRAWING No.: 112931 DATE: 2025-01-06 SCALE: NOT TO SCALE DESIGN: AH, QN DRAWN: AH, QN

CHECKED: JM

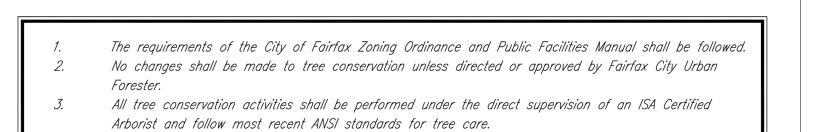
SHEET TITLE:

TREE

**PRESERVATION** PLAN NOTES AND **DETAILS** 

SHEET No.

C203



Prior to the pre-construction meeting, the contractor shall have the limits of clearing and grading clearly marked in the field with flagging. These limits shall not exceed those shown on the approved

Prior to installation of erosion and sediment controls, grading, demolition, or other disturbance, including tree removal, a pre-construction meeting shall be held with Fairfax City Urban Forester. Changes to the plan, based on field conditions, may be requested by the Urban Forester at the time of the pre-construction meeting.

Removal of trees, noted for removal on the plan, inside a tree preservation area shall be performed, by hand, without ground disturbance, or disturbance to nearby preserved trees. Trees in these areas shall be cut flush to the ground, without stump grinding. If stump grinding is necessary then approval by Fairfax City Urban Forester may be requested.

7. All pruning shall be in accordance to most recent ANSI standards for tree care. Any tree maintenance not in accordance with these standards may be a violation of the zoning ordinance. If additional pruning is needed to meet clearance standards for rights of way approval by Fairfax City Urban Forester may be requested.

8. No person shall remove or destroy any tree which is five (5) inches or greater at standard height (4.5 feet from base of ground), on any residential zone lot greater than one-half acre and in all other zoned districts without first obtaining a tree removal permit from the zoning administrator. Any tree removed, damaged or destroyed will be replaced at the discretion of the zoning administrator. The contractor shall not disturb and shall protect all trees and shrubs outside of construction limits,

including trees on other properties, or rights-of-way. Tree protection areas shall have all non-native invasive vines removed at the end of the project. An invasive management plan shall be provided when deemed necessary by Fairfax City Urban Forester or per the approved plan to ensure tree survival. Tree protection area shall be covered with shredded

hardwood mulch, or other organic mulch as approved by Fairfax City Urban Forester. 10. Any substitutions or changes to the approved landscape plan shall be requested and approved by

Fairfax City Urban Forester prior to installation. 11. All planting materials and work shall comply with recommendations and requirements of most recent ANSI standards for nursery stock and per the approved plan. Any material below this standard will not be accepted and will require replacement.

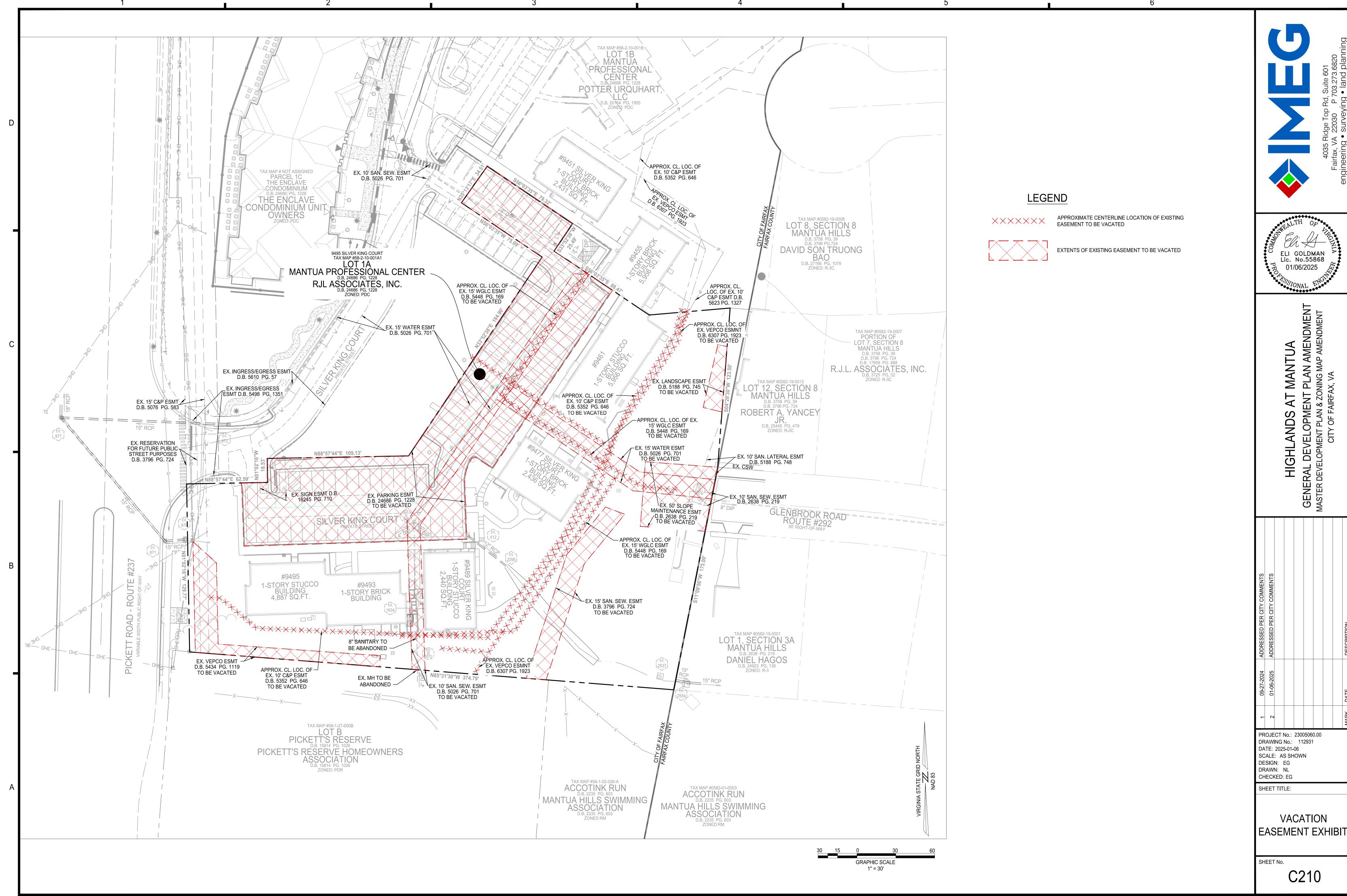
12. Installation of plants shall be within Fairfax City's approved planting seasons approximately March-May or September-December during unfrozen soil conditions. Planting outside these seasons require approval by Fairfax City Urban Forester prior to installation. All material shall be installed within 72 hours from delivery to the project site. An inspection of materials by Fairfax City Urban Forester may

be requested with minimum five (5) days notice prior to installation. 13. At the end of the project, conserved and planted trees must be inspected and approved by Fairfax City Urban Forester. Changes to the plan, based on field conditions, may be requested by the Urban Forester at the time of inspection.

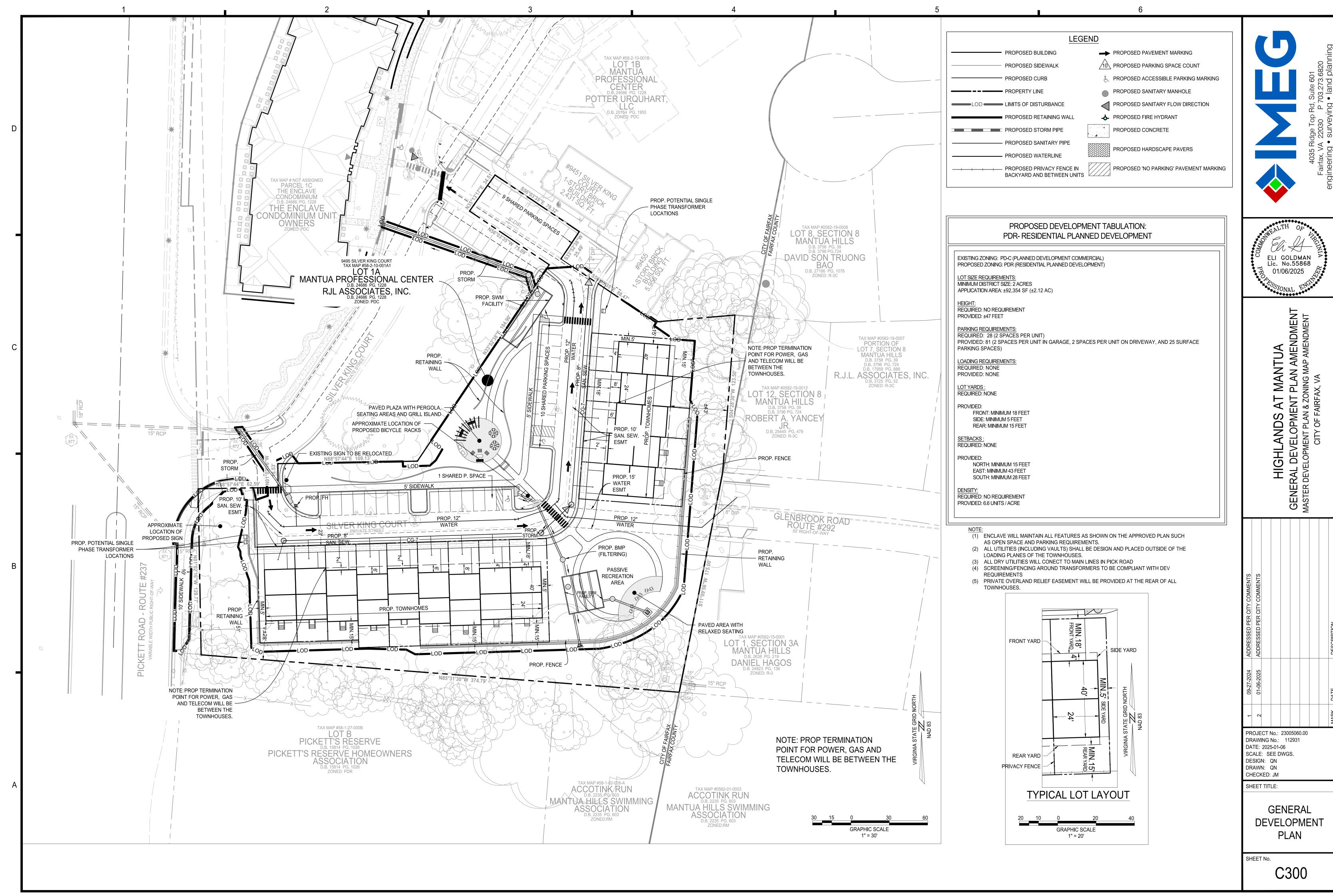
55° ;	Department of Public Works 10455 Armstrong Street Fairfax, VA 22030-3630 USE WITH THE FAIRFAX STANDARD SPECIFICATIONS	ONLY W	vw.fairfaxv
PARE FACTOR 1805	TREE CONSERVATION AND LANDSCAPING NOTES	SCALE: NOT TO SCALE	
	IREE CONSERVATION AND LANDSCAPING NOTES	REVISION DATE: JULY 2024	SHEET : 1 of 1

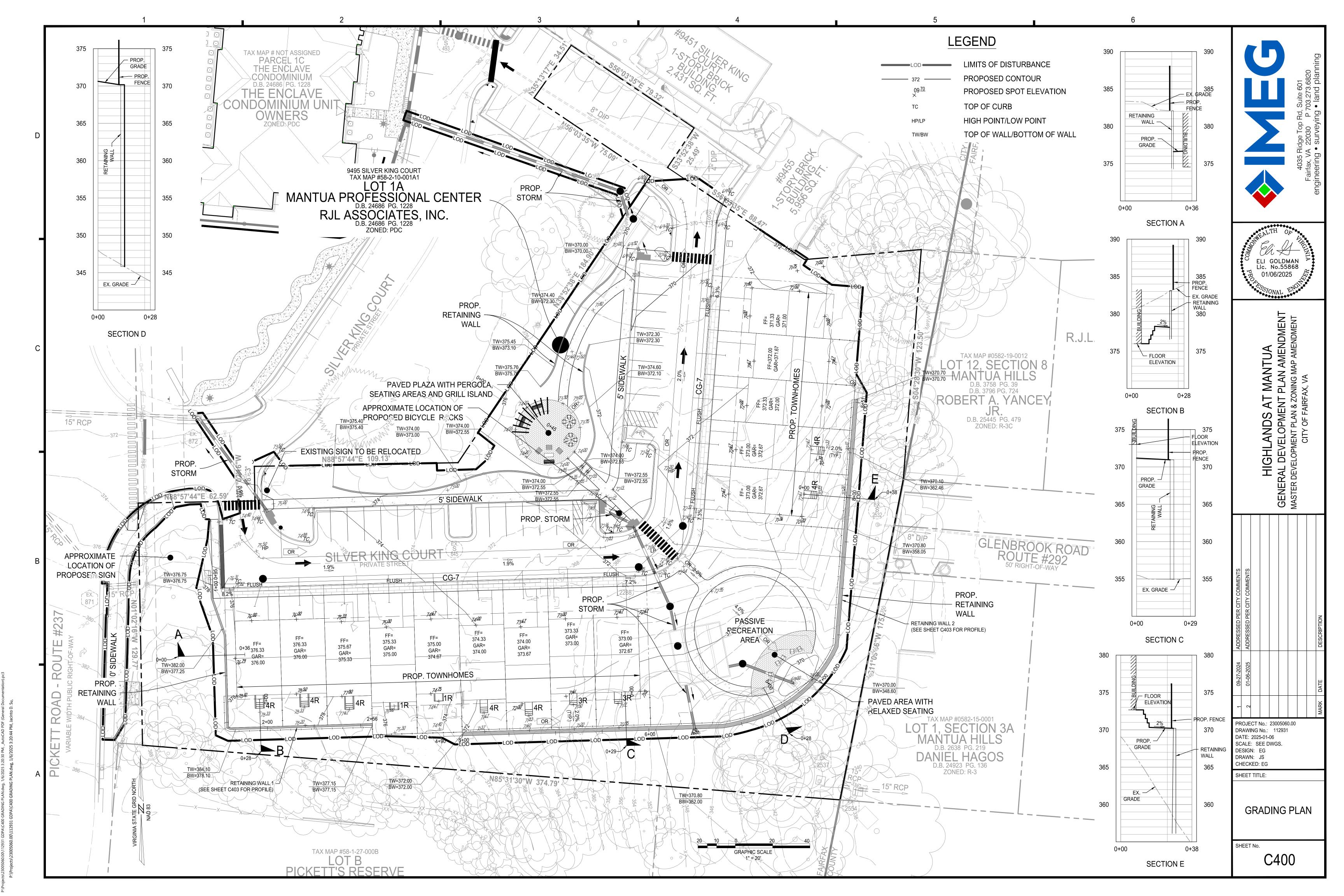
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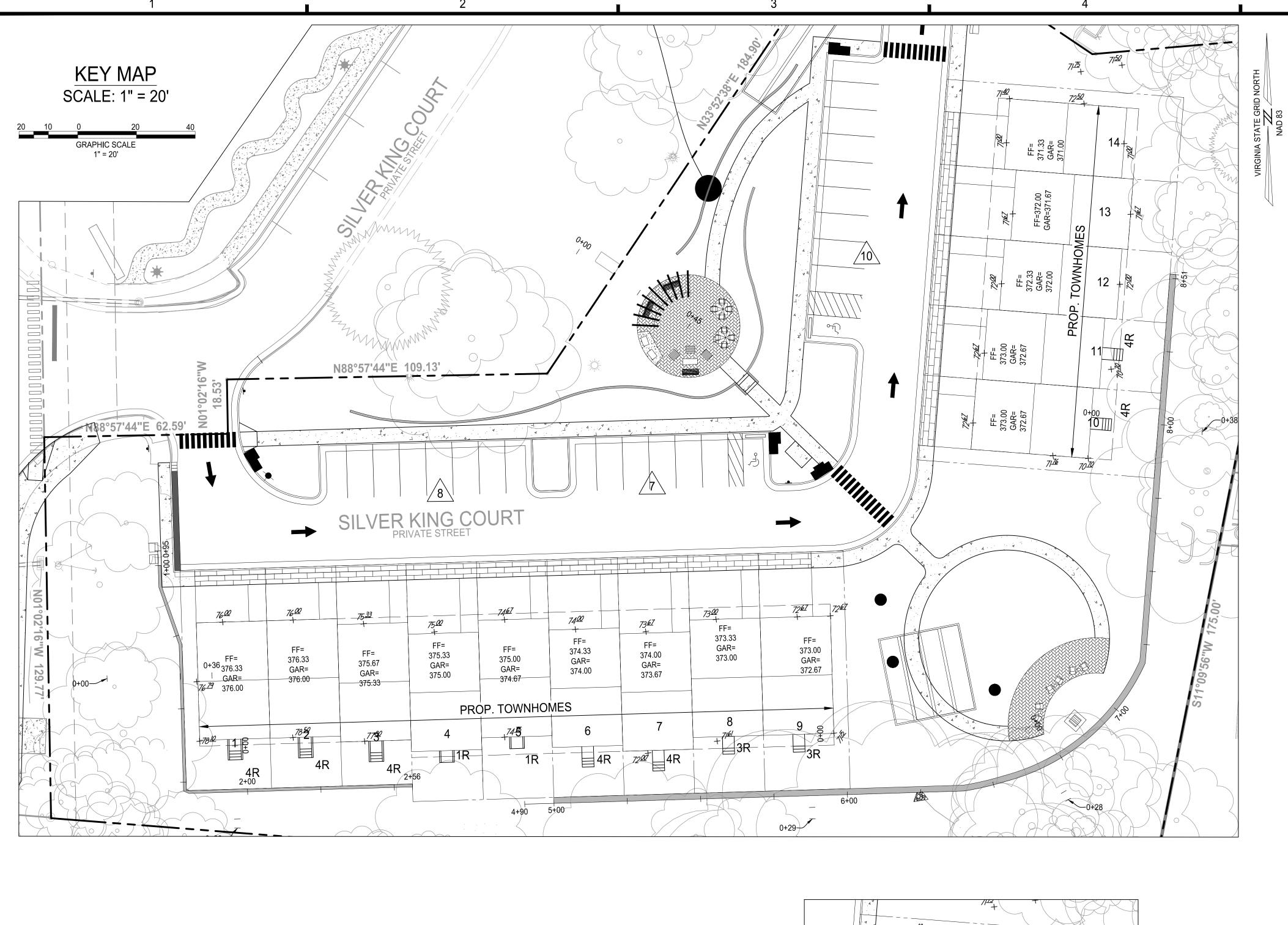
AMERICAN HOLLY



ADDRESSED PER CITY COMMENTS	ADDRESSED PER CITY COMMENTS							
09-27-2024	01-06-2025							
1	2							
PR	OJE	CT I	No.:	2300	05060	0.00		







			Т	ownhouse 1	L - 9			
TH. No.	FF (First Floor) elev.	Height (From FF to MidPoint)	FF+BLG HT* = Midpoint ht elev.	Front Elev.	Back elev.	Side Elev. (If Applicable)	Averaged grade	Midpoint ht elev Averaged grade = Building HT.
1	76.33	43.75	120.08	76.00	78.50	77.25	77.25	42.83
2	76.33	43.75	120.08	76.00	78.50		77.25	42.83
3	75.67	43.75	119.42	75.33	77.80		76.57	42.86
4	75.33	43.75	119.08	75.00	76.00		75.50	43.58
5	75.00	43.75	118.75	74.67	74.75		74.71	44.04
6	74.33	43.75	118.08	74.00	72.00		73.00	45.08
7	74.00	43.75	117.75	73.67	71.48		72.58	45.18
8	73.33	43.75	117.08	73.00	71.61		72.31	44.78
9	73.00	43.75	116.75	72.67	71.15	72.00	71.94	44.81

	Townhouse 10 - 14									
TH. No.	FF (First Floor) elev.	Height (From FF to Midpoint)	FF+BLG HT* = Midpoint ht elev.	Front Elev.	Back elev.	Side Elev. (If Applicable)	Averaged grade	Midpoint ht elev Averaged grade = Building HT.		
10	73.00	43.75	116.75	72.67	70.70	71.76	71.71	45.04		
11	73.00	43.75	116.75	72.67	70.70		71.69	45.07		
12	72.33	43.75	116.08	72.00	72.00		72.00	44.08		
13	72.00	43.75	115.75	71.67	71.67		71.67	44.08		
14	71.33	43.75	115.08	71.00	71.00	72.50	71.50	43.58		

NOTE: REFER TO SHEET C400 FOR GRADING PLAN.

403 Fairfax,
ELI GOLDMAN Lic. No.55868 01/06/2025

GHLANDS AT MANTUA DEVELOPMENT PLAN AMENDMENT HI( GENERAL

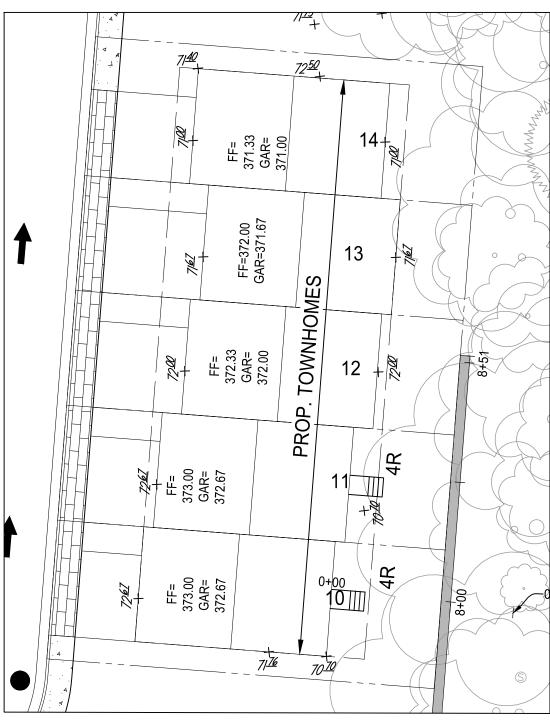
ADDRESSED PER CITY COMMENTS								DESCRIPTION
01-06-2025								DATE
2								MARK DATE
OJECT No.: 23005060.00 AWING No.: 112931								

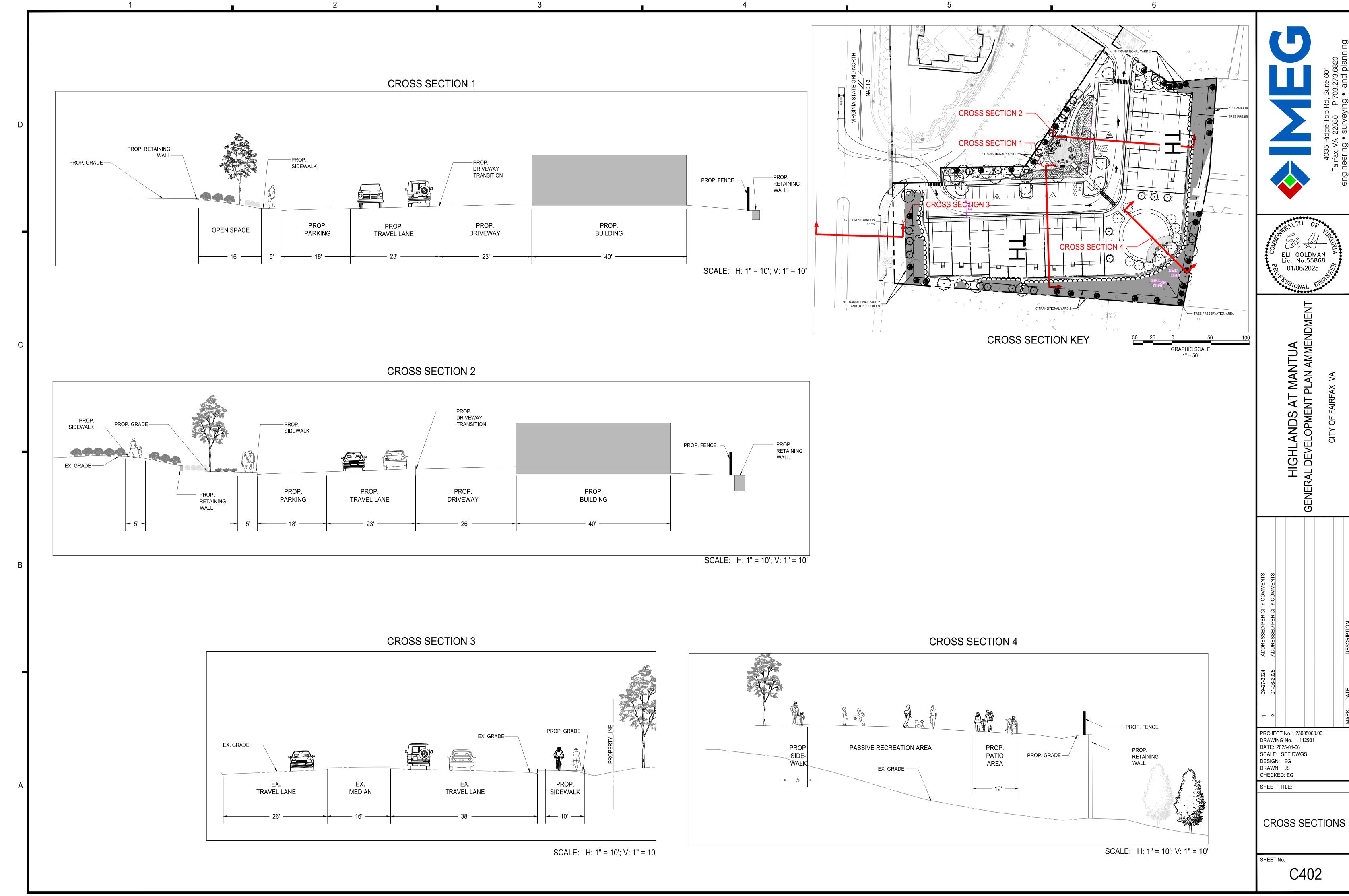
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SHEET TITLE:

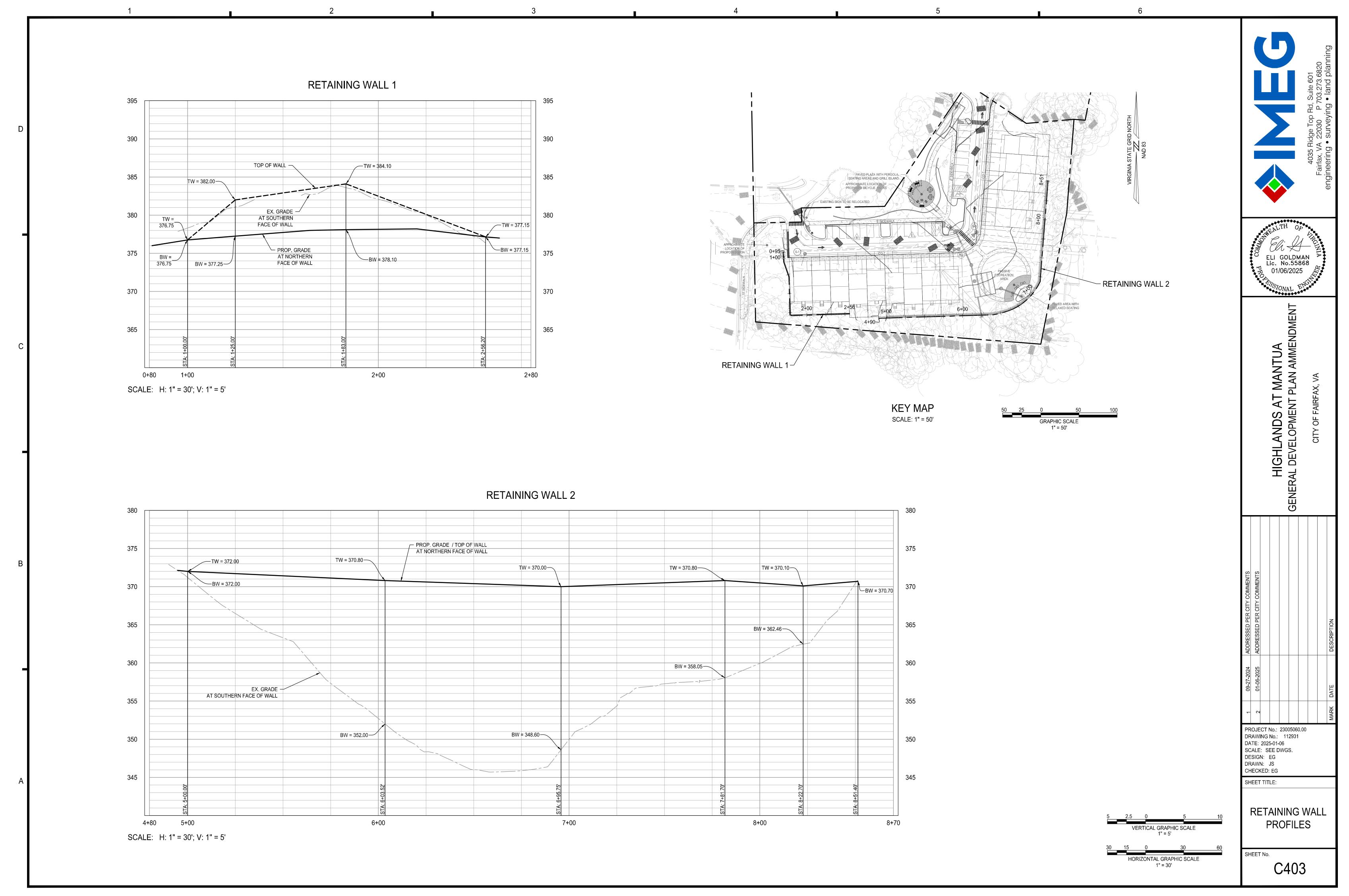
AVERAGE FINISHED **GRADE EXHIBIT** 

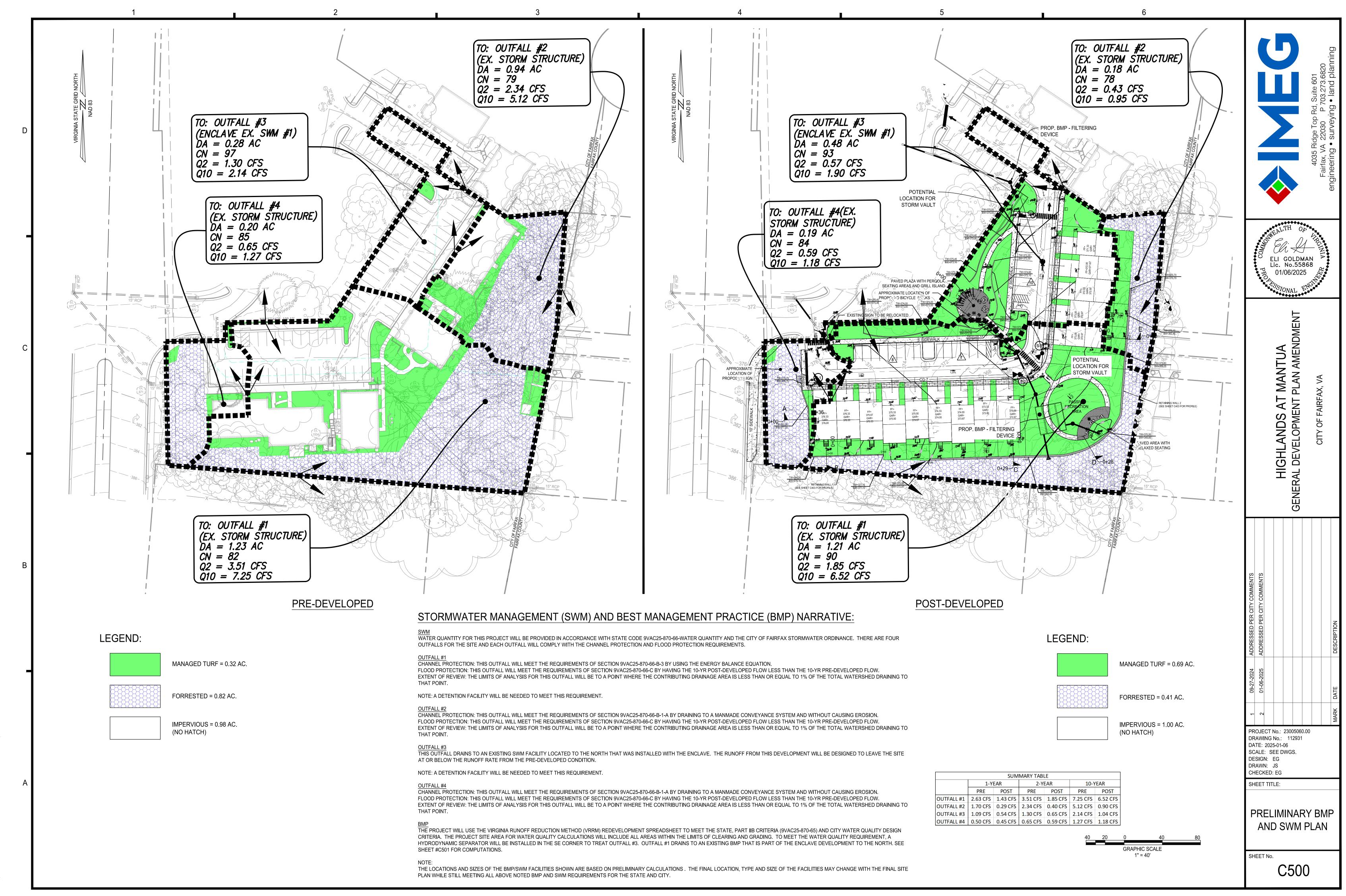
TOWNHOUSES	S AVERAGE GRADES	20 10 0 20 40 GRAPHIC SCALE
		1" = 20'
36,000,000		
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0+36 376.33   GAR= 76 29 376.00	FF= 376.33 FF= 375.33 FF= 375.00 FF= 374.00 GAR= 375.33 GAR= 375.00 GAR= 375.33 GAR= 375.00 GAR= 375.33	373.33 FF= GAR= 373.00 373.00 GAR= 372.67
	PROP. TOWNHOMES	
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4R 2+00	4R 4R 2+56 4R 7200 4	4R 3R
0+28-	4+90 5+00	0+29



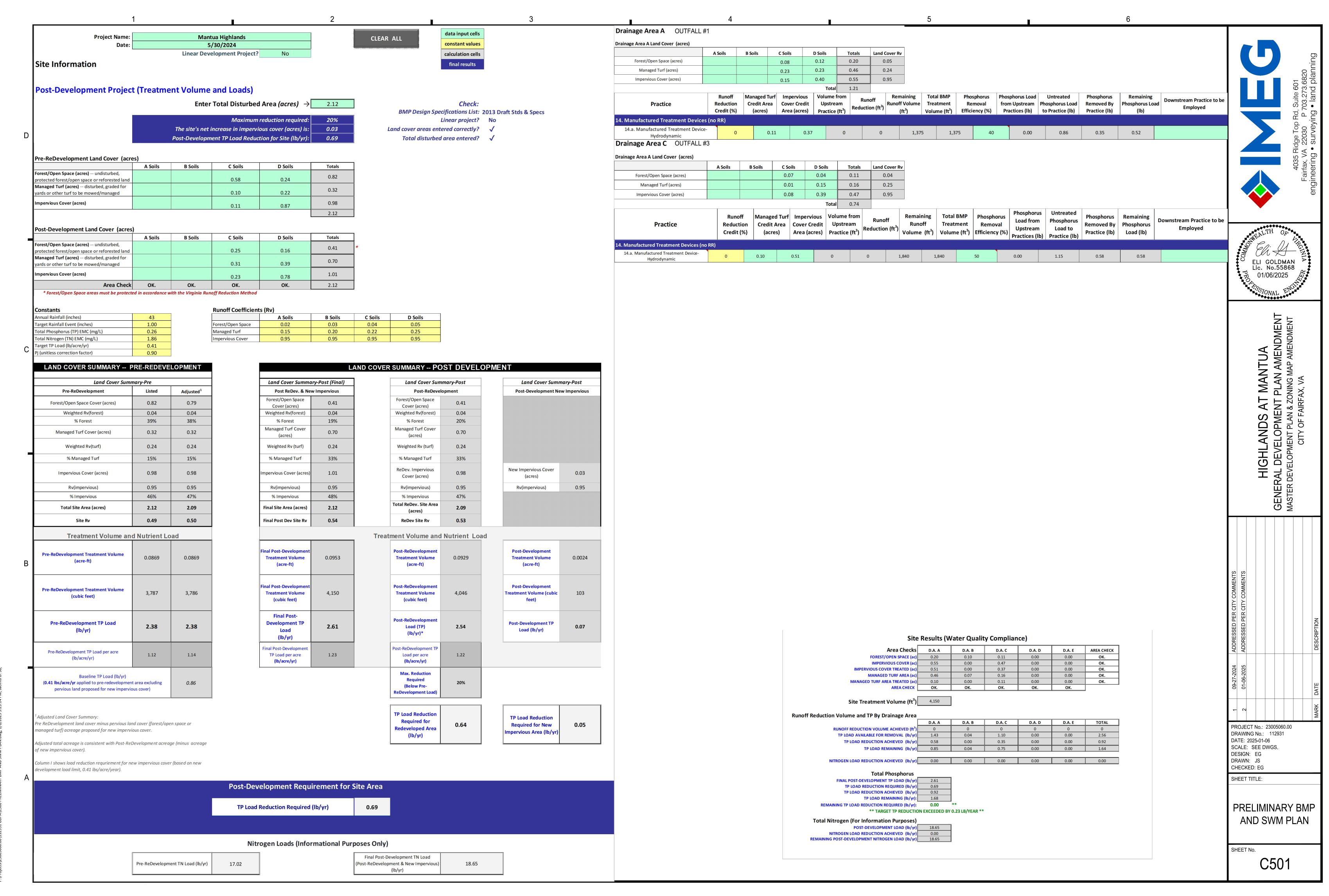


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FROM	то	UPPER INV	LOWER INV	L (FT)	SLOPE (%)	DIA (IN)	MATERIAL	N	CAPACITY (cfs)	CAPACITY (MGD)	DESIGN FLOW (cfs)	DESIGN FLOW (MGD)	V (ft/s)	Percent Full	Assumptions	Inc (MGD)	Peak Flow Factor	Design Inc (MGD)	Cummulative Combined Flow (MGD)
S-1	Ex. S645	362.90	362.18	109.00	0.66	8	PVC	0.013	0.98	0.63	0.01	0.009	1.0	0.01	5 Proposed TH - SOUTHWEST (0.0014 MGD)	0.0014	6.5	0.0091	0.009
S-2	Ex. S645	362.46	362.18	54.59	0.51	8	PVC	0.013	0.87	0.56	0.03	0.016	1.0	0.03	4 Proposed TH - SOUTHEAST (0.0011 MGD)	0.0011	6.5	0.0073	0.016
S-3	Ex. S413	361.12	360.12	156.59	0.64	8	PVC	0.013	0.97	0.62	0.04	0.025	1.2	0.04	5 Proposed TH - NORTHEAST (0.0014 MGD)	0.0014	6.5	0.0091	0.025
Ex. 645	Ex. 413	360.12	359.73	234.79	0.17	8	DIP	0.013	0.49	0.32	0.04	0.025	0.8	0.08					0.025
Ex. 413	Ex. 493	360.61	349.41	158.38	7.07	8	DIP	0.013	3.21	2.08	0.05	0.032	3.2	0.02	Existing Buildings to Remain (9455 Silver King Ct (0.0005 MGD) + 9451 Silver King Ct (0.0005 MGD))	0.0010	6.5	0.0063	0.032
Ex. 493	Ex. S12	348.09	347.82	14.91	1.82	8	PVC	0.010	2.12	1.37	0.05	0.032	2.4	0.02					0.032
Ex. S12	Ex. S11	347.72	335.53	150.04	8.12	8	PVC	0.010	4.48	2.89	0.17	0.110	5.8	0.04	Flow from SP#15090051 (The Enclave)	0.0120	6.5	0.0780	0.110
Ex. S11	Ex. 1356	335.11	329.12	139.27	4.30	8	PVC	0.010	3.26	2.11	0.29	0.188	5.7	0.09	Flow from SP#15090051 (The Enclave)	0.0120	6.5	0.0780	0.188
Ex. 1356	Ex. 1387	329.09	327.50	27.66	5.75	8	PVC	0.010	3.77	2.43	0.32	0.209	6.2	0.09	Flow from SP#15090051 (The Enclave)	0.0033	6.5	0.0211	0.209
Ex. 1387	Ex. 1913	327.46	310.01	162.74	10.72	8	PVC	0.010	5.14	3.32	0.32	0.209	7.9	0.06					0.209
Natas																			

1. See contributing sewage flow estimate (this sheet) per 9VAC25-790-460 Standards. 2. All velocities shown are calculated per a partial flow analysis.

SANITARY SEWER ANALYSIS

THE PURPOSE OF THIS ANALYSIS IS TO DEMONSTRATE THE CAPACITY AND HYDRAULIC ADEQUACY OF THE DOWN STREAM SANITARY SEWER MAIN.

**EXISTING CONDITIONS:** 

CURRENTLY, THE EXISTING SITE CONSISTS OF SIX (6) OFFICE BUILDINGS WITH SEWER LATERALS THAT TIE INTO EXISTING MANHOLE S645 AND EXISTING MANHOLE S413. THE SITE FLOWS TO THE NORTH.

NOTE: EXISTING MANHOLE S2073 MAY RECEIVE FLOW FROM A LATERAL SOUTH OF THE SITE. THIS LATERAL IS TO BE FIELD VERIFIED TO CONFIRM IF ABANDONED.

#### PROPOSED CONDITIONS:

THE EXISTING SANITARY SEWER PIPE CONNECTING EXISTING MANHOLE S2073 TO EX MANHOLE S645 WILL BE DEMOLISHED AS THEY CANNOT BE USED TO SERVICE THE PROPOSED DEVELOPMENT. THE SANITARY SEWER IS REROUTED AROUND THE PROPOSED DEVELOPMENT AND CONNECTS TO EXISTING MANHOLE S645 WHICH THEN FLOWS INTO EXISTING MANHOLE S413. THE PROPOSED MANHOLE S-5 CONNECTS TO **EXISTING MANHOLE S645.** 

#### CAPACITY AND HYDRAULIC ANALYSIS:

THE SANITARY SEWER WAS ANALYZED FROM THE EXISTING MANHOLE S2073 TO EXISTING MANHOLE 1913. AT MANHOLE S614, THE PROPOSED FLOW FROM THIS PROJECT IS COMBINED WITH THE FLOW FROM THE ENCLAVE PROJECT.

#### CONCLUSION:

IT IS OUR CONCLUSION THAT THE PROPOSED ON-SITE 8-INCH SEWER AND EXISTING DOWNSTREAM 8-INCH SEWER HAS CAPACITY AND HYDRAULIC ADEQUACY WITH THE ADDED REDEVELOPMENT FLOWS.

#### SANITARY DESIGN FLOWS

18,150 SF OFFICE SPACE **EXISTING**:

PROPOSED: 14 TOWNHOMES

CITY OF FAIRFAX AVERAGE DESIGN FLOWS:

280 GPD/UNIT (FOR SINGLE FAMILY ATTACHED) 200 GPD/1,000 SF (FOR OFFICE/RETAIL)

**EXISTING FLOW:** 

18,100 SF X (200 GPD/1,000 SF) = 0.00362 GPD

PEAK FACTOR: 6.5 DESIGN FLOW = 0.00362 GPD X 6.5 = 0.0235 GPD

PROPOSED FLOW:

280 GPD/UNIT X 14 UNITS = 3,920 GPD (0.004 MGD)

PEAK FACTOR: 6.5

DESIGN FLOW = 3,920 GPD X 6.5 = 25,480 GPD

NET INCREASE IN FLOW = 25,480 GPD - 0.0235 GPD = 25,479.98 GPD

#### PROPOSED SANITARY STRUCTURE DATA

FROM	INV. OUT
S-1	362.90
S-2	362.46
S-3	361.12

#### PROPOSED PIPE SCHEDULE

FROM	то	LENGTH (FT)	MATERIAL				
S-1	Ex. S645	109.00	PVC				
S-2	Ex. S645	54.59	PVC				
S-3	Ex. S413	156.59	PVC				

#### EXISTING BUILDING TO REMAIN FLOWS

Building	SF	Flow (GPD)	Flow (MGD)
9455 Silver King Ct	2,387	477	0.0005
9451 Silver King Ct	2,431	486	0.0005

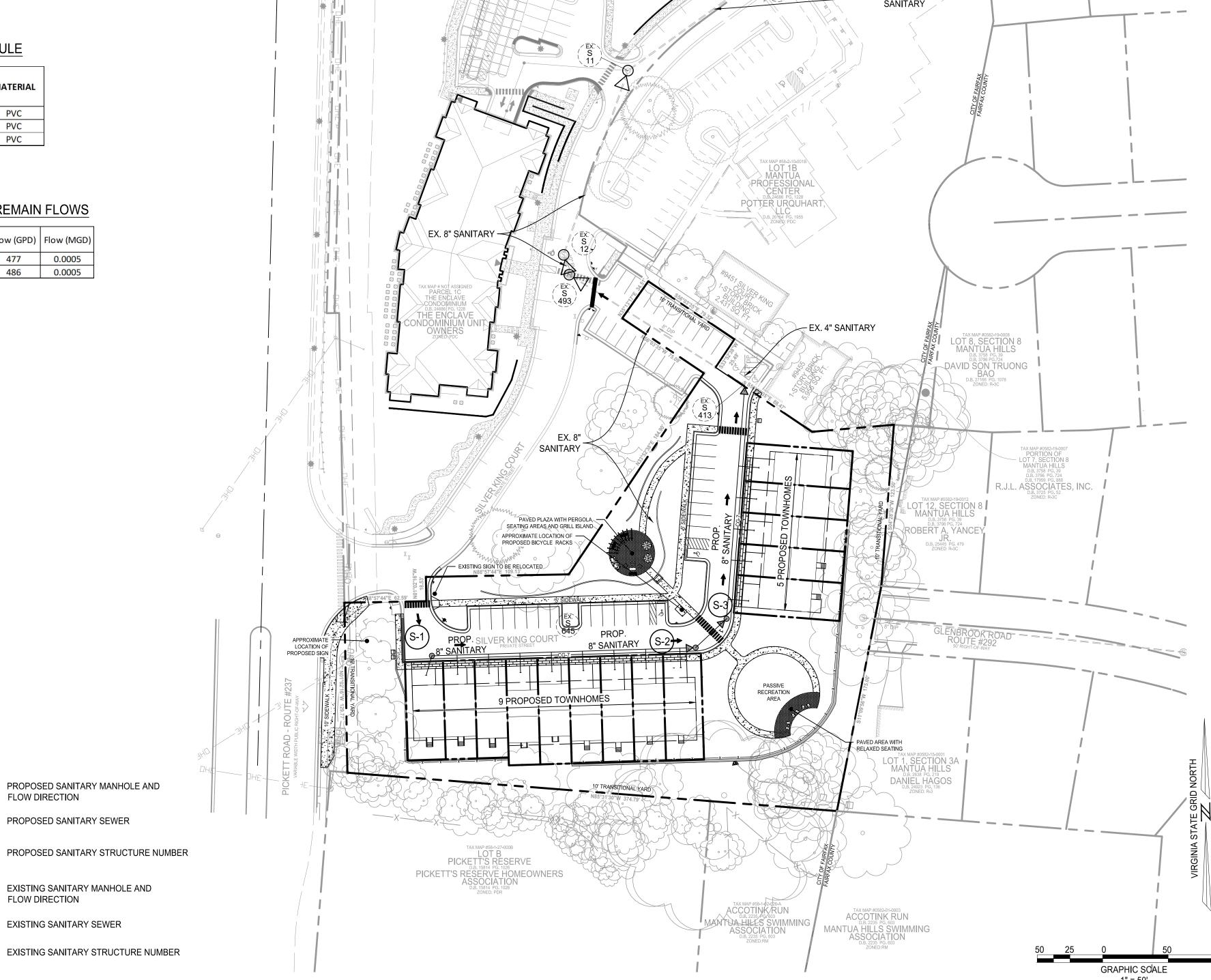
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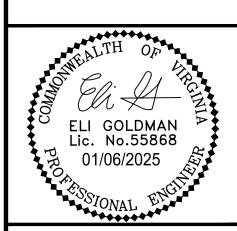
FLOW DIRECTION

PROPOSED SANITARY SEWER

EXISTING SANITARY MANHOLE AND FLOW DIRECTION

EXISTING SANITARY SEWER





LIMITS OF SANITARY ANALYSIS

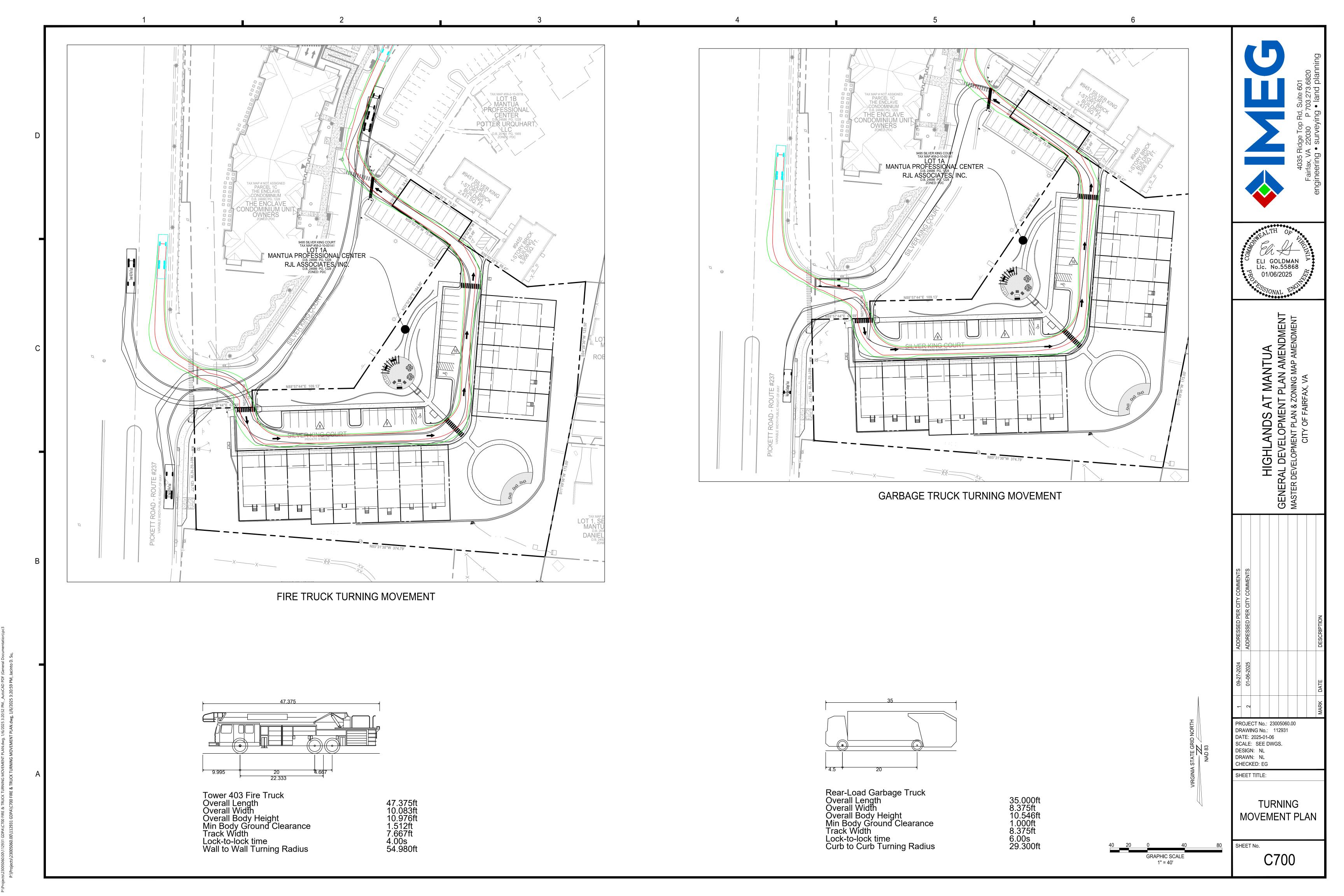
GH DE/ HIC GENERAL MASTER DEVE

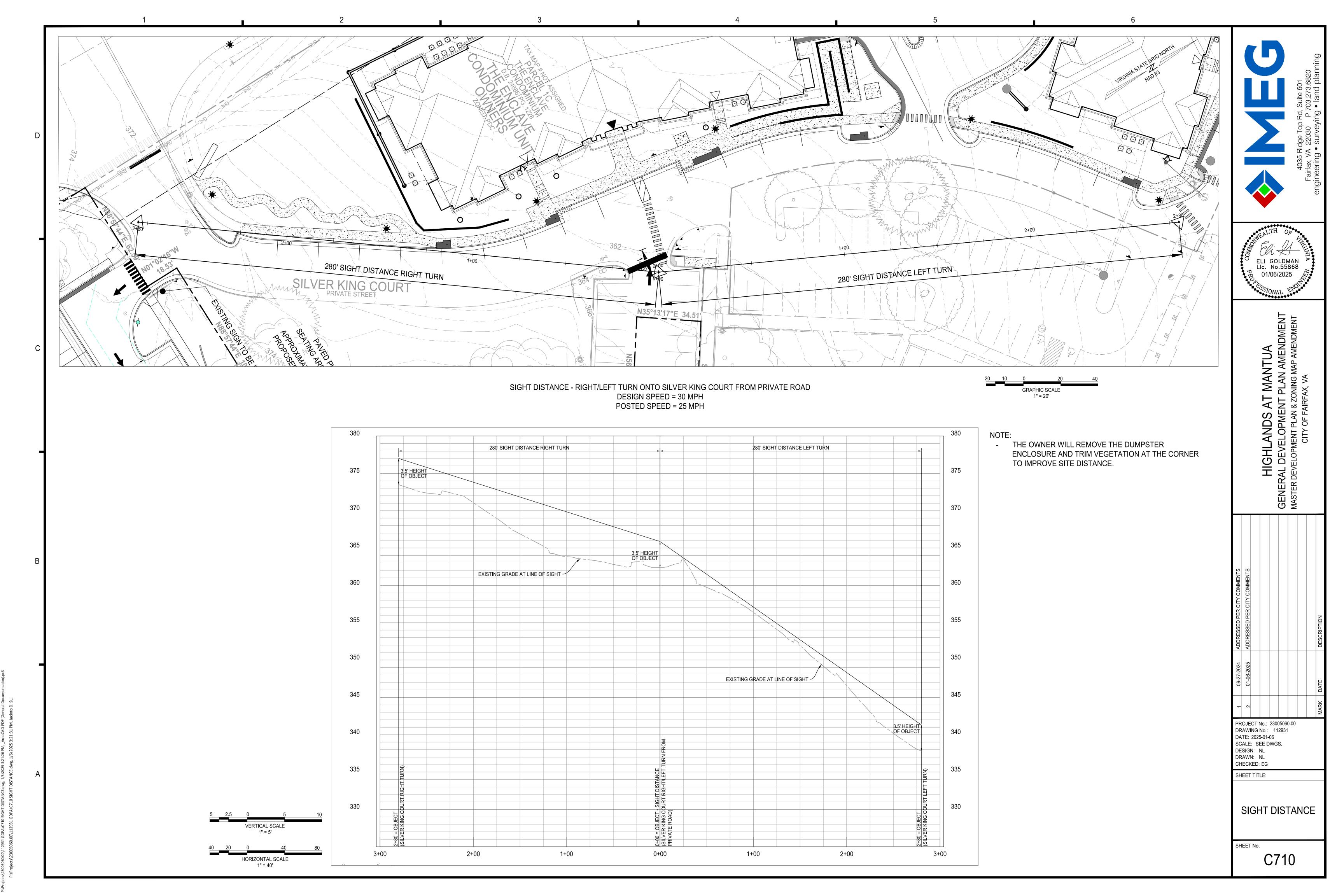
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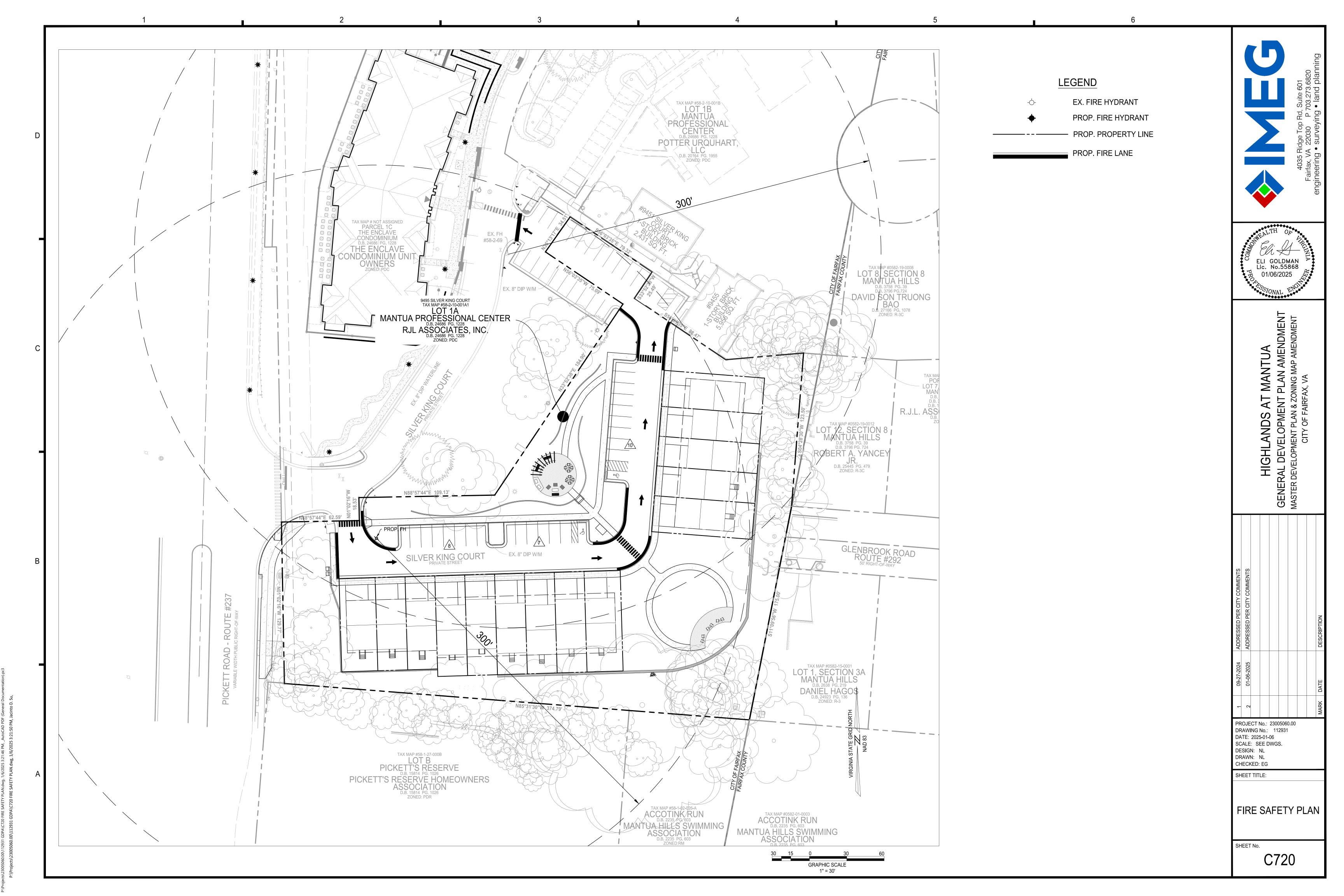
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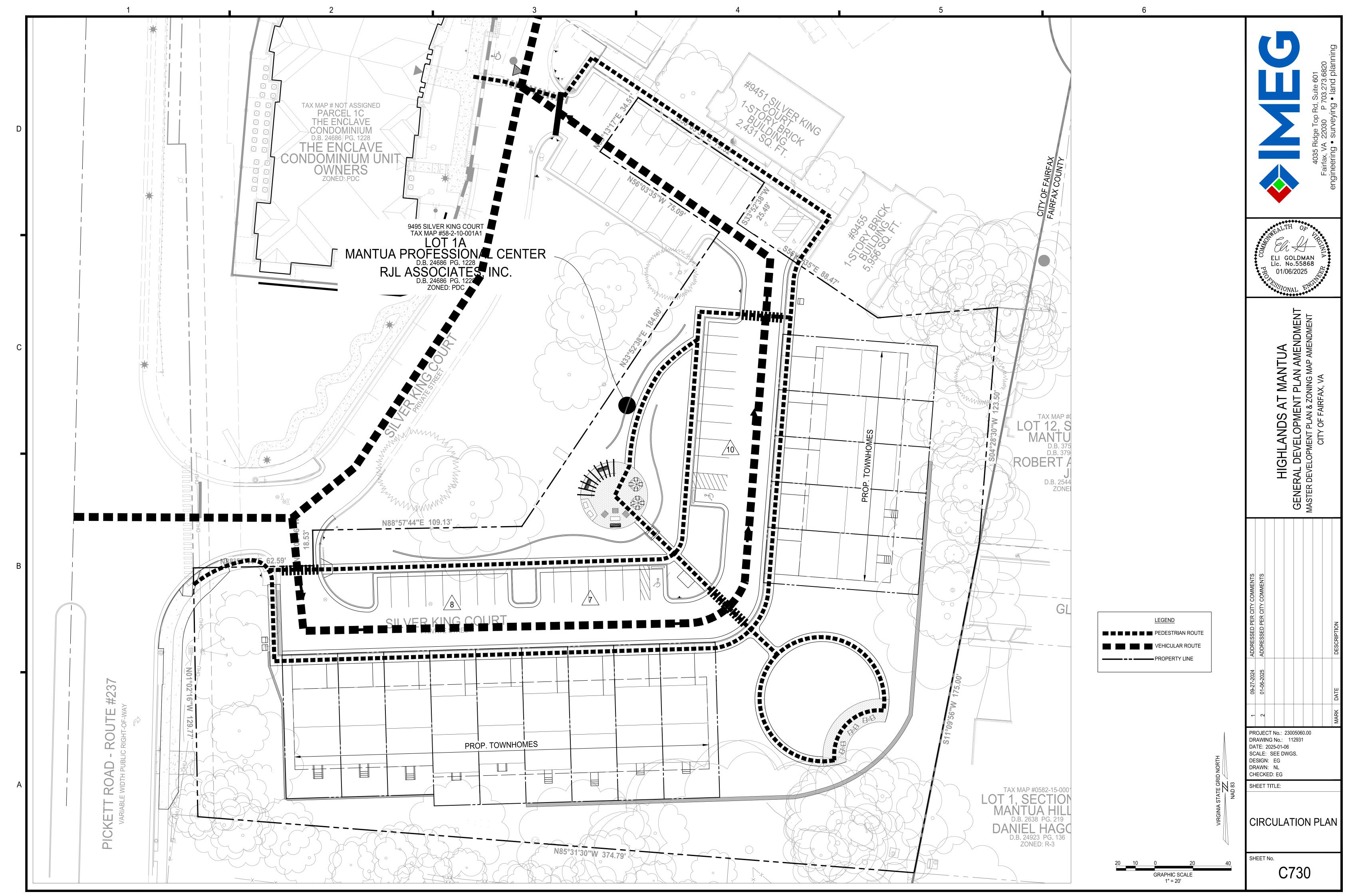
SANITARY SEWER **ANALYSIS** 

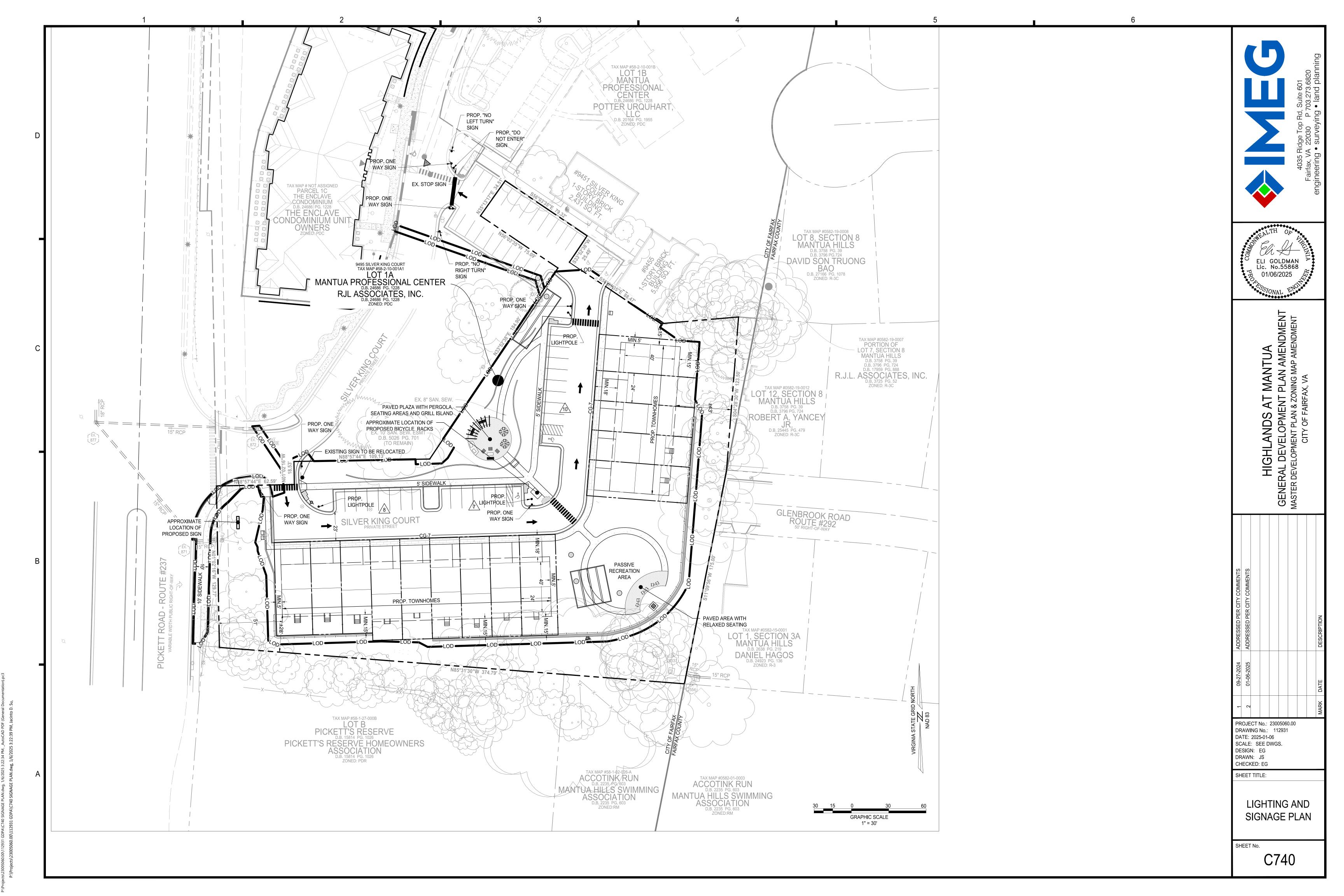
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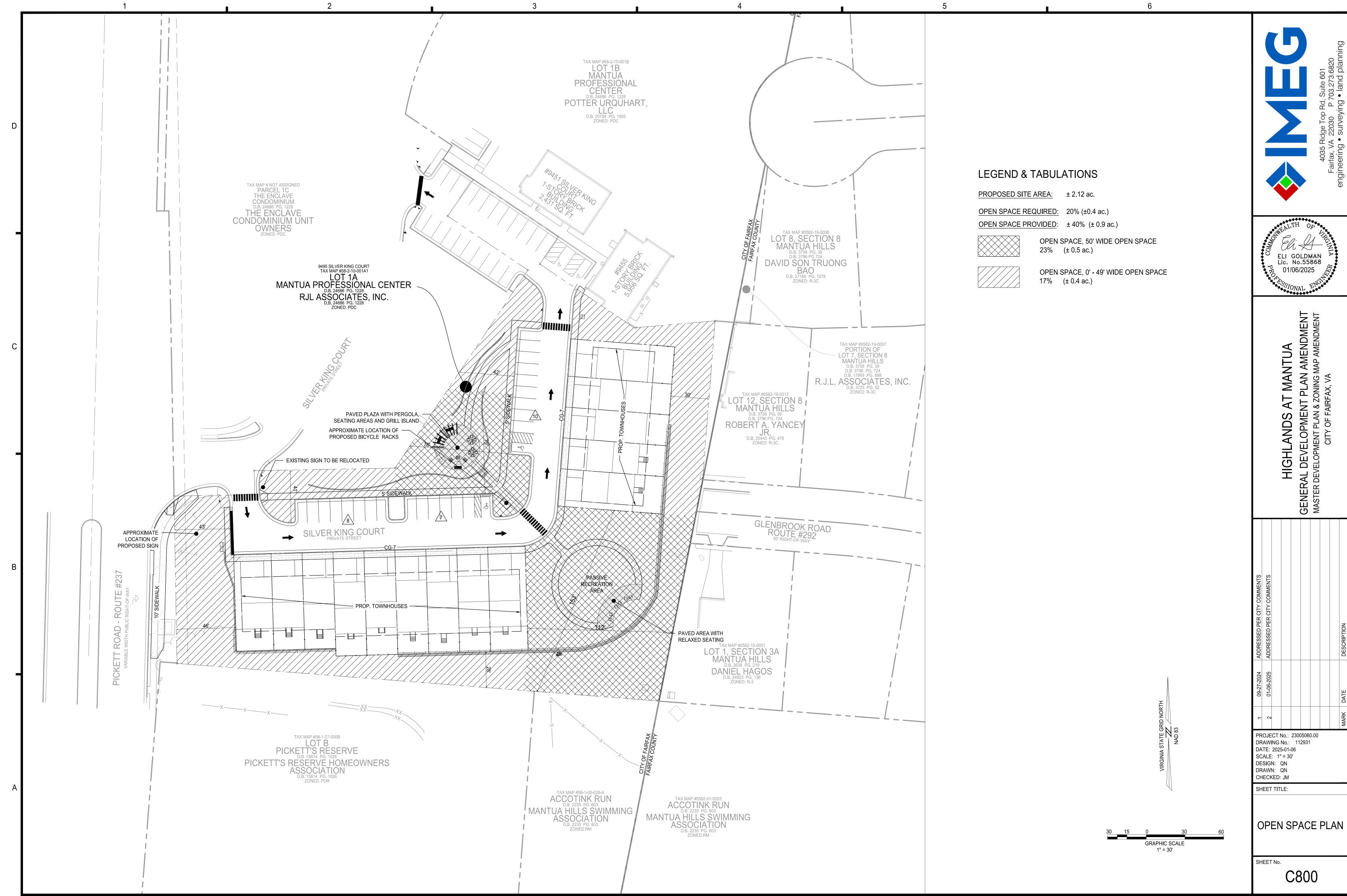


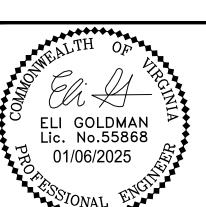














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Clint Good ARCHITECTS, P.C. "HARDIE"-TRIM, **1X8 FASCIA BOARD WITH** "HARDIE"-PLANK SIDING "HARDIE"-PLANK SIDING 1X4 TOP TRIM. "HARDIE"-PLANK SIDING "HARDIE"-PLANK SIDING **BLANCHED ALMOND,** "HARDIE"-PLANK SIDING, **BLANCHED ALMOND,** "HARDIE"-PLANK SIDING **COLOR; TIMBER BARK MYSTIC MAUVE, 7"EXPOSURE CORAL SAND, 7"EXPOSURE** 7"EXPOSURE **BRANDYWINE, 7"EXPOSURE** 7"EXPOSURE **REFER TO FRONT ELEVATIONS** TYPICAL AT ALL UNITS. TYPICAL AT THIS UNIT. FOR COLOR. 4"EXPOSURE ATTACHMENT #7 ATTACHMENT #6d -ATTACHMENT #6c -ATTACHMENT #6a-**ATTACHMENT #6b** ATTACHMENT #6b -TYPICAL AT THIS UNIT. ATTACHMENTS #6a, #6b or #6d 1FT PROJECTED GLAZED "HARDIE"-PLANK SIDING **TOWNHOUSE SOLARIUM W/ BRONZE AL REFER TO FRONT ELEVATIONS** FINISH. TYPICAL **UNIT BEYOND 1FT PROJECTED** FOR COLOR. 7"EXPOSURE **AT ALL SOLARIUM BAY WITH DOUBLE** TYPICAL AT THIS UNIT. PROJECTIONS. **WINDOWS. TYPICAL** ATTACHMENT #6a, #6b or #6d **AT ALL BAYS TERRACE FL TERRACE FL TERRACE FL** TERRACE FL "HARDIE"-TRIM, "MI"- V3000, DOUBLE-HUNG 1X8 TRIM WITH CROWN. **WINDOWS & TRANSOMS, BRONZE** 1FT PROJECTED GLAZED SOLARIUM **COLOR- TIMBER BARK** COLOR, W/SIMULATED DIVIDED W/ BRONZE AL FINISH. TYPICAL TYPICAL AT ALL UNITS. LITES. TYPICAL THROUGHOUT. AT ALL SOLARIUM PROJECTIONS.-ATTACHMENT #7 ATTACHMENT #2 2ND FL 2ND FL **ARCHITECTURAL CAST** "HARDIE"-TRIM, "MI"- V3000, DOUBLE-HUNG STONE WATER TABLE, **1X4 EDGE TRIM.** WINDOWS W/ TRANSOMS, **OLIVE BUFF COLOR- TIMBER BARK BRONZE COLOR, W/ SIMULATED** ATTACHMENT #5 **TYPICAL AT ALL UNITS. DIVIDED LITES. TYP. THROUGHOUT.** ATTACHMENT #7 ATTACHMENT #2 MAIN FL MAIN FL MAIN FL "KICHLER"-WALL SCONCE OPEN **OLDE BRONZE** ARCHITRAVE AT ENTRY TYPICAL AT ALL UNITS. T MANTUA

F PLAN AMENDMENT

CONING MAP AMENDMENT

FAX, VA **OPENING, COLOR; TIMBER ATTACHMENT #8 BARK. ATTACHMENT #7** LOWER FL **LOWER FL LOWER FL** LOWER FL 24'-0" 24'-0" 24'-0" 24'-0" ELEVATED DECK, 2X2 PICKETS — "KICHLER"-RECESSED LIGHT **BRICK SOLDIER WROUGHT WROUGHT WITH 2X4 TOP AND BOTTOM** FIXTURE AT ARCHITRAVE **BRICK, "GENERAL SHALE" COURSE, TYPICAL** IRON GATE, IRON FENCE, **SUPPORT BOARDS, 2X6 TOP RAIL** TYPICAL AT ALL UNITS. **BRICK SOLDIER** "HARDIE"-PANELS, LATROBE W/ MORTAR BRICK "CLOPAY"-GARAGE DOORS, **MATTE BLACK BRICK, "GENERAL SHALE"** MATTE BLACK **ARCHITECTURAL CAST** & ALL SUPPORT FRAMING. **COLOR SAME AS ATTACHMENT #9 COURSE, TYPICAL COLOR-MOCHA BROWN WITH COLOR AS SHOWN. ATTACHMENT #4 LATROBE W/ MORTAR** STONE WATER TABLE, **COLOR- TIMBER BARK ADJACENT SIDING & TRIM** TYPICAL AT ALL BRICK. **SQ22 WINDOWS & WOODGRAIN COLOR AS SHOWN. OLIVE BUFF, TYPICAL** TYPICAL AT ALL DECKS. **TYPICAL. ATTACHMENT #7** ATTACHMENT #4 **ATTACHMENT #4 TEXTURE. TYPICAL** TYPICAL AT ALL BRICK. ATTACHMENT #5 **ATTACHMENT #7 ATTACHMENT #3 ATTACHMENT #4 TYPICAL END UNIT ELEVATION** FRONT ELEVATION AT FIVE UNIT GROUPING (NOT TO SCALE) (NOT TO SCALE) AND H RAL "HARDIE"-PLANK SIDING, "HARDIE"-PLANK SIDING. "HARDIE"-PLANK SIDING, "HARDIE"-PLANK SIDING. **BLANCHED ALMOND,** BLANCHED ALMOND. "HARDIE"-PLANK SIDING, "HARDIE"-PLANK SIDING, "HARDIE"-PLANK SIDING, **BLANCHED ALMOND.** "HARDIE"-PLANK SIDING. "HARDIE"-PLANK SIDING, **MYSTIC MAUVE, 7"EXPOSURE** 7"EXPOSURE 7"EXPOSURE **BRANDYWINE. 7"EXPOSURE CORAL SAND, 7"EXPOSURE MYSTIC MAUVE, 7"EXPOSURE BRANDYWINE, 7"EXPOSURE CORAL SAND, 7"EXPOSURE** 7"EXPOSURE TYPICAL AT THIS UNIT. ATTACHMENT #6d— ATTACHMENT #6b -ATTACHMENT #6b — ATTACHMENT #6a ATTACHMENT #6c ATTACHMENT #6a -ATTACHMENT #6d -ATTACHMENT #6c ATTACHMENT #6b — "HARDIE"-CROWN TRIM. - COLOR- TIMBER BARK. **TYPICAL AT ALL UNITS.** ATTACHMENT #7 TERRACE FL **TERRACE FL** 'HARDIE"-TRIM, **1X8 TRIM WITH CROWN. COLOR- TIMBER BARK** TYPICAL AT ALL UNITS. ATTACHMENT #7 2ND FL 2ND FL "HARDIE"-TRIM, **ARCHITRAVE AT** 1X4 EDGE TRIM. ENTRY OPENING **COLOR- TIMBER BARK** COLOR;TIMBER BARK TYPICAL AT ALL UNITS. **ATTACHMENT #7** ATTACHMENT #7 MAIN FL MAIN FL "KICHLER"-WALL SCONCE **WROUGHT OLDE BRONZE** IRON GATE, TYPICAL AT ALL UNITS. **MATTE BLACK ATTACHMENT #8** PROJECT No.: 23005060.00 LOWER FL LOWER FL DRAWING No.: 112931 DATE: 2025-01-06 24'-0" 24'+0" 24'-0" 24'-0" 24'-0" 24'-0" 24'-0" 24'-0" SCALE: NOT TO SCALE DESIGN: JM "KICHLER"-RECESSED LIGHT DRAWN: JM "MI"- V3000, DOUBLE-HUNG **BRICK, "GENERAL SHALE"** ARCHITECTURAL CAST -**BRICK SOLDIER FIXTURE AT ARCHITRAVE** CHECKED: JM WINDOWS W/ TRANSOMS. "CLOPAY"-GARAGE DOORS, -LATROBE W/ MORTAR STONE WATER TABLE. **COURSE, TYPICAL** TYPICAL AT ALL UNITS. ATTACHMENTS LEGEND **BRONZE COLOR, W/ SIMULATED COLOR AS SHOWN. COLOR-MOCHA BROWN WITH OLIVE BUFF, TYPICAL** BRICK ATTACHMENT #9 SHEET TITLE: **DIVIDED LITES. TYP. THROUGHOUT.** TYPICAL AT ALL BRICK. **SQ22 WINDOWS & WOODGRAIN ATTACHMENT #5 ATTACHMENT #4** (REFER TO RENDERINGS) **ATTACHMENT #2 TEXTURE. TYPICAL ATTACHMENT #4 ATTACHMENT #1- DOORS ATTACHMENT #3 ATTACHMENT #2- WINDOWS** TOWNHOME **ATTACHMENT #3- GARAGE DOORS** FRONT ELEVATION AT NINE UNIT GROUPING ATTACHMENT #4- BRICK AND MORTAR BUILDING ATTACHMENT #5- ARCHITECTURAL CAST STONE -WATER TABLE ATTACHMENT #6a- SIDING -BRANDYWINE COLOR **ELEVATIONS** (NOT TO SCALE) ATTACHMENT #6b- SIDING -BLANCHED ALMOND COLOR ATTACHMENT #6c- SIDING -CORAL SAND COLOR ATTACHMENT #6d- SIDING -MYSTIC MAUVE COLOR NOTES: ATTACHMENT #7- TRIM & DECK- TIMBER BARK COLOR SHEET No. 1. THESE ELEVATIONS ARE CONCEPTUAL IN NATURE AND ARE INTENDED TO ILLUSTRATE THE GENERAL CHARACTER OF THE PROPOSED DEVELOPMENT AND THE QUALITY ATTACHMENT #8- WALL SCONCE LIGHT FIXTURE OF CONSTRUCTION AND MATERIALS. THESE DRAWINGS ARE NOT INTENDED TO REPRESENT FINAL BUILDING DESIGN OR TO BE INTERPRETED AS A COMMITMENT TO C900 ATTACHMENT #9- RECESSED LIGHT FIXTURE SPECIFIC DIMENSIONS OR BUILDING ELEMENTS. FINAL DESIGN FOR ALL BUILDINGS WILL BE DETERMINED AT THE TIME OF SITE PLAN SUBMISSION. 2. REFER TO BAR PACKAGE FOR ATTACHMENTS MENTIONED IN ELEVATIONS.

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RENDERING VIEW FROM THE ENCLAVE (NOT TO SCALE)



RENDERING VIEW FROM PICKET ROAD (INDICATING DENSE VEGETATION BEHIND NEW TOWNHOMES) (NOT TO SCALE)



RENDERING VIEW FROM PICKET'S RESERVE (REFER TO PHOTO ON RIGHT OF EXISTING TALL TREES BEHIND HOMES) (NOT TO SCALE)



RENDERING VIEW FROM THE NEW SCHOOL (NOT TO SCALE)



(REFER TO PHOTO BELOW OF DENSE VEGETATION BEHIND TOWNHOMES) (NOT TO SCALE)



PANORAMIC VIEW FROM MANTUA HILLS/GLENBROOK ROAD INDICATING DENSE VEGETATION



VIEW FROM PRESERVATION DRIVE/PICKET'S RESERVE INDICATING DENSE VEGETATION BEHIND HOMES (RED LINE INDICATES THE APPROXIMATE HEIGHT OF THE TOWNHOUSES)

(NOT TO SCALE)



THESE RENDERINGS ARE CONCEPTUAL IN NATURE AND ARE INTENDED TO CHECKED: EG ILLUSTRATE THE GENERAL CHARACTER OF THE PROPOSED DEVELOPMENT AND THE QUALITY OF CONSTRUCTION AND MATERIALS. THESE DRAWINGS ARE NOT INTENDED TO REPRESENT FINAL BUILDING DESIGN OR TO BE INTERPRETED AS A COMMITMENT TO SPECIFIC DIMENSIONS OR BUILDING ELEMENTS. FINAL DESIGN FOR ALL BUILDINGS WILL BE DETERMINED AT THE TIME OF SITE PLAN SUBMISSION.

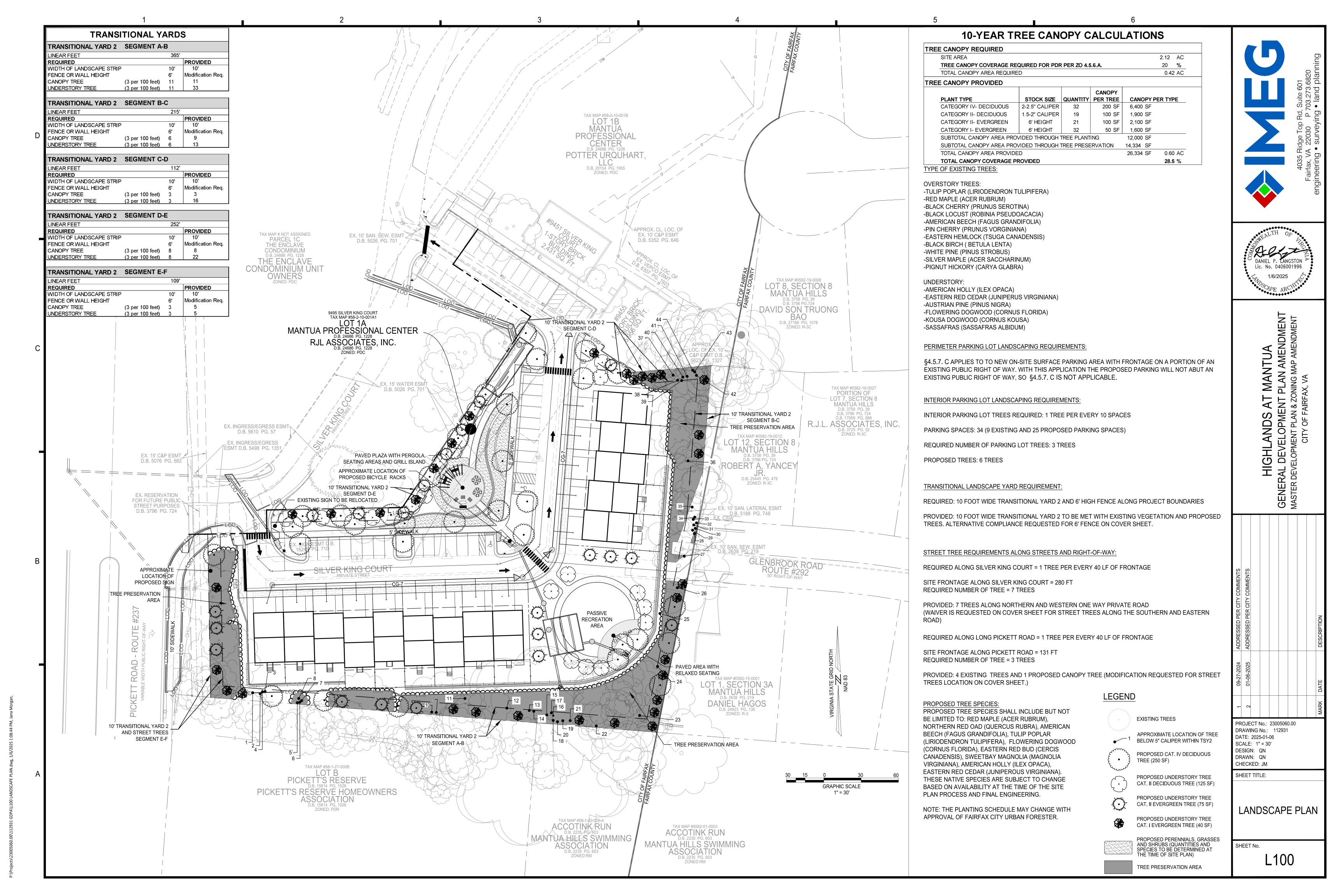
Clint Good ARCHITECTS, P.C.

PROJECT No.: 23005060.00 DRAWING No.: 112931 DATE: 2025-01-06 SCALE: AS SHOWN DESIGN: EG DRAWN: JS

SHEET TITLE:

**VIEWS** 

SHEET No.



SPECIFICATION: THIS IS A SUMMARY OF CHRISTOPHER CONSULTANTS, LTD. GENERAL LANDSCAPE SPECIFICATION. ALL WORK SHALL FOLLOW THE PROCEDURES OUTLINED IN THE SPECIFICATIONS AND DETAILS CONTAINED HEREIN, WHICH ARE DESIGNED TO EXCEED CURRENT INDUSTRY STANDARDS. SHOULD THERE EXIST A DISCREPANCY BETWEEN THIS SPECIFICATION AND THE INCLUDED CONSTRUCTION DETAILS, THE WRITTEN SPECIFICATION SHALL TAKE PRECEDENCE.

REFERENCES: IN LIEU OF PROVIDING COMPREHENSIVE PROPRIETARY SPECIFICATIONS THE FOLLOWING ARE REFERENCED TO BE GENERAL DEFAULT SPECIFICATIONS WITH THE FOLLOWING MODIFICATIONS. THESE MODIFICATIONS AND THE CONSTRUCTION DETAILS SHOWN IN THIS PLAN SET SHALL TAKE PRECEDENCE OVER THE GENERAL REFERENCED SPECIFICATIONS.

- "LANDSCAPE SPECIFICATION GUIDELINES" LANDSCAPE CONTRACTORS ASSOCIATION OF MD, DC, VA - MOST CURRENT EDITION.
- "AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1" BY AMERICANHORT -MOST CURRENT EDITION
- "TT-77 RECOMMENDED TURFGRASS CULTIVARS FOR CERTIFIED SOD PRODUCTION IN MARYLAND" - MARYLAND TURFGRASS COUNCIL
- "LANDSCAPE ARCHITECTURE/DESIGN SPECIFICATIONS FOR COMPOST USE" US COMPOSTING COUNCIL

IF THERE ARE DISCREPANCIES OR CONTRADICTIONS IN SPECIFICATION SECTIONS OR DETAILS, THE STRICTER SPECIFICATION SHALL TAKE PRECEDENCE. A REQUEST FOR INFORMATION (RFI) CAN ALSO BE SUBMITTED FOR CLARIFICATION.

LIST OF PLANT MATERIAL: THE CONTRACTOR WILL VERIFY PLANT QUANTITIES PRIOR TO BIDDING AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PLANT MATERIALS REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS. QUANTITIES IN THE PLANTING SCHEDULE SHALL TAKE PRECEDENCE OVER QUANTITIES GRAPHICALLY SHOWN ON THE PLAN. SUBSTITUTIONS SHALL NOT BE MADE WITHOUT THE WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.

PLANT IDENTIFICATION: ALL TREES SHALL BE TRUE TO NAME AS ON PLANT SCHEDULE OR SHOWN ON PLANTING PLANS AND SHALL BE CORRECTLY LABELED INDIVIDUALLY OR IN GROUPS BY GENUS, SPECIES, VARIETY AND CULTIVAR. LABELS ARE TO REMAIN INTACT UNTIL SITE IS APPROVED THROUGH AGENCY INSPECTION, SUBSTANTIAL COMPLETION APPROVAL, OR PER OWNER'S REPRESENTATIVE'S INSTRUCTION.

PLANT QUALITY: ALL PLANT MATERIALS SHALL CONFORM TO THE SIZE AND FORM STANDARDS SET FORTH IN THE LATEST EDITION OF AMERICANHORT'S "AMERICAN STANDARD FOR NURSERY STOCK - ANSI Z60.1". ABOVE GROUND: TREES SHALL BE HEALTHY WITH THE COLOR, SHAPE, SIZE, AND DISTRIBUTION OF TRUNK, STEMS, BRANCHES, BUDS AND LEAVES TYPICAL OF THE PLANT SPECIFIED. ANY SIGNS OF STRESS, IMPROPER HANDLING (WOUNDS OR BROKEN BRANCHES), INSECT OR DISEASE DAMAGE, OR DEAD/DISTORTED BRANCHES SHOULD NOT BE PRESENT. TREES SHALL HAVE ONE CENTRAL LEADER (UNLESS OTHERWISE SPECIFIED) AND GRAFTS SHOULD BE FULLY CLOSED AND VISIBLE ABOVE THE SOIL LINE. BELOW GROUND: A MINIMUM OF 3 STRUCTURAL ROOTS SHOULD BE REASONABLY DISTRIBUTED AROUND THE TRUNK (REJECT A TREE WITH STRUCTURAL ROOTS ONLY ON ONE SIDE), THE ROOT CROWN SHOULD NOT BE MORE THAN 2 INCHES BELOW THE SOIL LINE, THE TOP 2 STRUCTURAL ROOTS SHOULD NOT BE MORE THAN 3 INCHES BELOW THE SOIL LINE WHEN MEASURED 4 INCHES AWAY FROM THE TRUNK. THE TOP OF THE OTHER STRUCTURAL ROOT SHOULD NOT BE MORE THAN 5 INCHES BELOW THE SURFACE. THE ROOT SYSTEM SHOULD BE FREE OF POTENTIALLY STEM-GIRDLING OR KINKED ROOTS ABOVE THE ROOT COLLAR AND MAIN STRUCTURAL ROOTS.

INSPECTION: PLANTS ARE TO BE INSPECTED UPON DELIVERY TO CONTRACTOR BY A CONTRACTOR'S REPRESENTATIVE AND/OR OWNER'S REPRESENTATIVE. TREES NOT PRESENTING PROPER FORM, INCORRECT VARIETY, SIGNS OF POOR HEALTH OR OVER-STRESS, AND GIRLDING ROOTS ARE TO BE REJECTED.

STORAGE & TRANSPORT: PLANT MATERIALS SHOULD BE PROTECTED FROM DESSICATION DURING TRANSPORT VIA BREATHABLE FABRIC COVERING THE CANOPY AND BY WATERING ROOTBALL/POT THOROUGHLY IMMEDIATELY PRIOR TO TRANSPORT PLANT MATERIALS SHOULD BE INSTALLED ON DAY OF DELIVERY TO SITE. IF THAT IS NOT POSSIBLE, A TEMPORARY STORAGE AREA CAN BE CONSTRUCTED ON-SITE. PLANTS ARE NOT TO BE STORED ON BARE ASPHALT. IF STORAGE AREA IS ASPHALT, COVER BARE ASPHALT WITH A LAYER OF WOODCHIPS, STORAGE SHOULD BE IN SHADE. AND PLANTS BE REGULARLY WATERED AT ROOT-BALL LEVEL, AND SPACED SO FOLIAGE MARYLAND TURFGRASS COUNCIL. USE OF CULTIVARS ALSO APPEARING ON THE FROM ONE PLANT DOES NOT INTERFERE WITH FOLIAGE OF ANOTHER. TALL PLANT MATERIALS ARE TO REMAIN UPRIGHT DURING STORAGE. LONGER TERM STORAGE PLANTS ARE TO BE HEELED-IN OR STORED IN MULCH TO THE TOP OF THE CONTAINER/ROOT BALL. PLANT MATERIALS SHALL NOT BE STORED ON-SITE FOR MORE THAN TWO WEEKS. PLANTS STORED IMPROPERLY OR FOR TOO LONG MAY BE SUBJECT TO REJECTION AND REPLACEMENT DEPENDENT ON ULTIMATE PLANTING CONDITION.

PLANTING: PLANTINGS SHALL BE INSTALLED IN ACCORDANCE WITH DETAILS AND SPECIFICATIONS ON THIS SHEET. DETAILS AND SPECIFICATIONS FOR OTHER SPECIFIC LANDSCAPE ITEMS, SUCH AS TREE PRESERVATION OR EROSION CONTROL MAY BE FOUND ELSEWHERE IN THIS DRAWING SET ON THEIR OWN RESPECTIVE SHEET. FOR ITEMS NOT SPECIFICALLY ADDRESSED BY THIS PLAN SET, REFER TO THE LATEST EDITION OF THE "LANDSCAPE SPECIFICATION GUIDELINES" DEVELOPED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF MD, DC, AND VA. SHOULD THERE BE ANY AMBIUGUITIES OR QUESTIONS, PLEASE UTILIZE THE FORMAL RFI/SUBMITTAL PROCESS.

TREES: THE PLANTING HOLE DIAMETER IS TO BE AT A MINIMUM THREE TIMES THE DIAMETER OF THE ROOT BALL. THE DEPTH OF THE PLANTING HOLE SHALL BE DUG SO THAT THE SHOULDER OF THE ROOT BALL IS LEVEL WITH THE EXISTING GRADE LEAVING THE ROOT FLARE SLIGHTLY HIGHER. WHEN PLANTING ON A SLOPE, THE DEPTH OF THE HOLE SHALL BE DUG SO THAT THE BOTTOM OF THE ROOT FLARE IS AT THE LEVEL OF THE EXISTING GRADE AT THE SIDES OF THE HOLE. IF THE PLANTING HOLE IS MECHANICALLY DUG, THE HOLE IS TO BE SCARIFIED BY SLIGHTLY ENLARGING HOLE BY HAND DIGGING THE SIDES AND BOTTOM TO PREVENT GLAZING. THE SIDES OF THE HOLE SHOULD BE VERTICAL OR SLOPING OUTWARDS. HOLES ARE NOT TO BE DUG WHEN SOIL IS SATURATED. FOR BALLED AND BURLAPPED TREES, THE WIRE ROOT BALL CAGE IS TO BE REMOVED AND BURLAP IS TO BE CUT AND COMPLETELY REMOVED FROM THE TOP AND A MINIMUM OF 8" TO 12" DOWN THE SIDE OF THE ROOT BALL. DO NOT FOLD BURLAP DOWN INTO HOLE, IT MUST BE REMOVED. ANY SYNTHETIC MATERIALS ARE TO BE COMPLETELY REMOVED FROM THE TRUNK AND ROOT BALL. BACKFILL IN LIFTS USING THE SAME SOIL DUG TO CREATE THE HOLE, BEING CAREFUL NOT TO OVER-COMPACT THE SOIL. INOCULATE BACKFILL SOIL OR ROOTBALL WITH AN APPROVED BALANCED (ENDO/ECTO) COMMERCIAL MYCORRHIZAE APPLICATION. DO NOT AMEND OR ADD FERTILIZER UNLESS EXPRESSLY SPECIFIED TO DO SO OR IS PART OF THE APPROVED MYCORRHIZAE INNOCULANT PRODUCT. DO NOT PLACE ANY SOIL ON TOP OF ROOT BALL. TREES ARE TO BE MULCHED TO FULL DEPTH SPECIFIED IMMEDIATELY AFTER PLANTING. A  $\frac{1}{2}$ " LAYER OF APPROVED COMPOST IS TO BE PLACED

UNDER THE MULCH LAYER. DO NOT PLACE MULCH AGAINST TREE TRUNK.

IMEG CORP. GENERAL LANDSCAPE SPECIFICATION SUMMARY - SHORT FORM (REV. 7/20) STAKING: STAKING (IF ANY) IS TO BE INSTALLED PER THE ACCOMPANYING DETAILS, UTILIZING TREE WEBBING STRAPS WITH GROMMETS TO PREVENT WIRE FROM COMING IN CONTACT WITH THE TREE. WHILE NOT PREFERRED, FULL TREE WEBBING SYSTEMS ARE ALSO PERMISSIBLE IF APPROVED THROUGH SUBMITTAL, AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS. WIRE IS TO BE TENSIONED TO ALLOW FOR 1/2 INCH OF DEFLECTION UP OR DOWN, AND TENSION SHALL BE RECHECKED AND ADJUSTED ON A REGULAR BASIS. STAKING IS TO BE REMOVED AS SOON AS POSSIBLE AFTER ONE YEAR. GARDEN HOSE IS NOT TO BE UTILIZED FOR STAKING.

> IRRIGATION: FOR PERMANENT SYSTEMS, IRRIGATION SHOULD BE LARGELY INSTALLED PRIOR TO PLANT INSTALLATION TO AVOID HAVING TO DISTURB PLANTING BEDS OR MOVE PLANTS TO ACCOMMODATE THE INSTALLATION OF THE IRRIGATION SYSTEM. FOR SITES WITH NO PERMANENT IRRIGATION SYSTEM, TREES ARE TO BE IRRIGATED UNTIL ESTABLISHED BY THE USE OF TEMPORARY WATER BAGS THROUGH ONE GROWING YEAR OR UNTIL ESTABLISHED. SHRUBS, PERENNIAL BEDS, AND LAWNS ARE TO BE THOROUGHLY HAND-WATERED OR BY MOVABLE TEMPORARY IRRIGATION (SPRINKLERS OR DRIP HOSE) AS NECESSARY TO REFLECT LOCAL WEATHER CONDITIONS. WATERING IS TO BE DEEP INTO THE SOIL AND INFREQUENT, AS OPPOSED TO LIGHT SURFICIAL WATERING PERFORMED OFTEN.

SHRUBS: FOR CONTAINER SHRUBS, THE PLANTING HOLE IS TO BE DUG 3 TIMES THE WIDTH OF THE INTACT CONTAINER. THE CONTAINER IS TO BE COMPLETELY REMOVED AND THE SIDES OF THE SOIL/ROOT CLUMP SCARIFIED WITH A STERILE SHARP KNIFE. THEY SHALL BE PLANTED SO THAT THE TOP OF THE SOIL LEVEL OF THE CONTAINER IS NO MORE THAN 1.5" ABOVE THE ORIGINAL GRADE. FOR BALLED AND BURLAPPED SHRUBS, REMOVE AS MUCH BURLAP AS POSSIBLE FROM THE TOP AND SIDES OF THE ROOTBALL. DO NOT FOLD BURLAP INTO HOLE. PLANT WITH THE ROOT FLARE SLIGHTLY HIGHER THAN THE SURROUNDING GRADE. BACKFILL WITH SOIL DUG TO CREATE THE HOLE. DO NOT COVER TOP OF ROOT BALL/CLUMP.

GROUND COVERS/PERENNIALS: BEDS ARE TO BE PREPARED BY TILLING WELL TO A MINIMUM DEPTH OF 6", AND SOILS SHALL BE AMENDED BY INCORPORATING 1" OF COMPOST MEETING THE US COMPOSTING COUNCIL REFERENCE SPECIFICATION, 1" OF WORM CASTINGS AND/OR WELL DECOMPOSED COMMERCIALLY PRODUCED COMPOST, OR A CLASS A BIOSOLID ALSO MEETING THE REFERENCED US COMPOSTING COUNCIL SPECIFICATION PRIOR TO PLANTING. APPLY 3" OF SHREDDED NON-DYED HARDWOOD MULCH IMMEDIATELY AFTER PLANTING.

COMPACTED OR POORLY DRAINED SOILS: FOR SITES WITH HEAVILY COMPACTED OR POORLY DRAINING SOILS, ALTERNATE PLANTING METHODS WILL NEED TO BE EMPLOYED. CONTACT PROJECT LANDSCAPE ARCHITECT FOR ADDITIONAL PLANTING DETAILS AND SPECIFICATIONS SHOULD EITHER UNFORESEEN CONDITION BE ENCOUNTERED.

CONFLICTS WITH EXISTING ROOTS: PROPOSED LANDSCAPE MAY BE SHOWN TO BE PLANTED IN THE CRITICAL ROOT ZONES OF EXISTING LARGE TREES. SHOULD, IN THE COURSE OF PLANTING, LARGE WOODY ROOTS BE DISCOVERED BELONGING TO ADJACENT LARGE TREES THAT ARE TO BE PRESERVED, SHIFT THE PLANTING LOCATION OF THE TREE TO BE PLANTED TO AVOID CUTTING THE WOODY ROOT. SHOULD A SUITABLE PLANTING LOCATION NOT BE FOUND WITHIN THE PROXIMITY OF WHERE A PROPOSED TREE IS TO BE PLANTED, CONTACT THE PROJECT LANDSCAPE ARCHITECT FOR ALTERNATE PLANTING LOCATION AND RECORDING OF THE DISCREPANCY FOR LANDSCAPE INSPECTION/APPROVAL PURPOSES.

IRRIGATION: NEW PLANT MATERIALS ARE TO BE WATERED AS NECESSARY TO MAINTAIN HEALTH. IF NO PERMANENT IRRIGATION SYSTEM IS INSTALLED, TREES ARE TO BE WATERED UNTIL ESTABLISHED THROUGH THE USE OF TEMPORARY WATER BAGS. SHRUBS, PERENNIALS, AND GROUND COVERS SHALL BE HAND-WATERED. INFREQUENT DEEP WATERING IS PREFERRED TO MORE FREQUENT QUICK/SHALLOW WATERING.

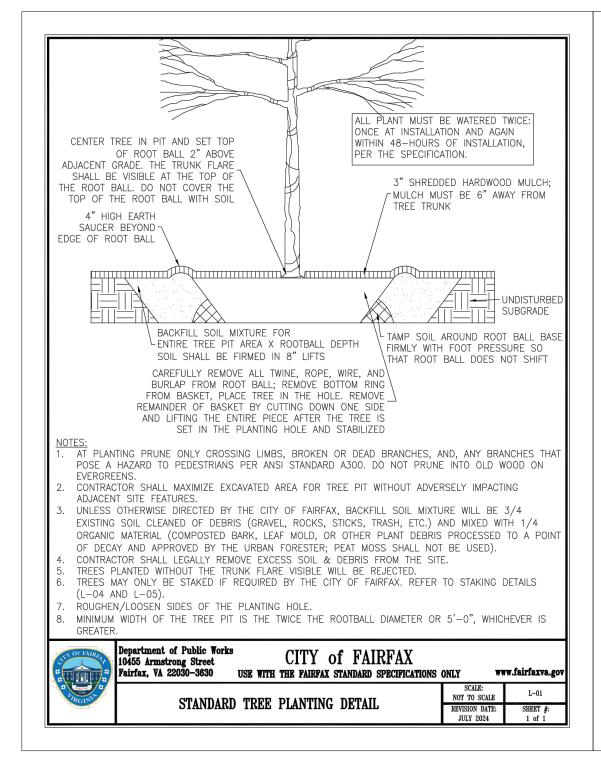
#### LAWN AREAS:

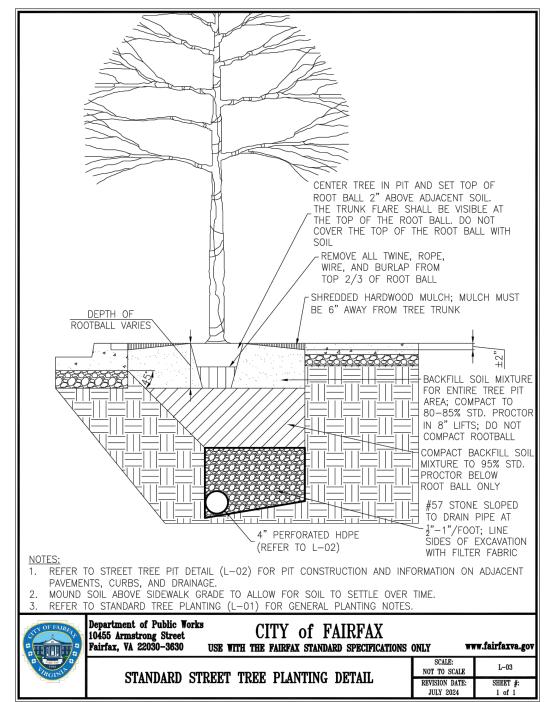
SEEDED LAWN AREA: AREAS TO BE SEEDED SHALL HAVE PLANTING SOIL TILLED TO A DEPTH OF 6" AND FREE OF STONES GREATER THAN 1" DIAMETER OR LENGTH. ANY AMENDMENTS THAT ARE TO BE ADDED SHOULD BE TILLED INTO SOIL PRIOR TO SEEDING. A SEED MIX COMPOSITION CHART SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. UNLESS SPECIFIED BY THE OWNER'S REPRESENTATIVE, THE SEED MIX MUST CONTAIN A MINIMUM OF THREE CULTIVARS OR TYPES OF GRASS IN THE BLEND, CHOSEN FROM THE RECOMMENDED CULTIVARS LIST OF THE MOST RECENT "TT-77 RECOMMENDED TURFGRASS CULTIVARS FOR CERTIFIED SOD PRODUCTION IN MARYLAND" DOCUMENT PRODUCED BY THE UNIVERSITY OF MARYLAND AND THE TURFGRASS WATER CONSERVATION ALLIANCE APPROVED LIST IS ENCOURAGED. SEEDS COATINGS THAT AID IN GERMINATION. MOISTURE RETENTION AND PREVENT LOSS TO BIRD CONSUMPTION ARE ACCEPTABLE. SEEDED AREAS ARE TO BE COVERED BY A LIGHT AND LOOSE LAYER OF RAPIDLY DEGRADABLE MULCH SUCH AS STRAW OR HYDRAULICALLY APPLIED CELLULOSE. USE OF EROSION CONTROL BLANKETS OR ANY SYNTHETIC WEBBING IS NOT PERMISSIBLE FOR LAWN AREAS UNLESS SPECIFIED BY THE OWNER'S REPRESENTATIVE.

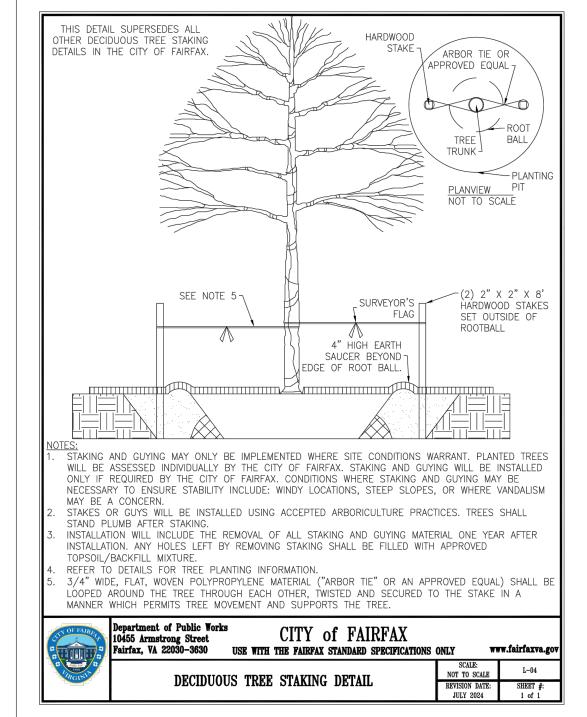
SODDED LAWN AREA: UNLESS A PROPRIETARY SOD IS SPECIFIED BY THE OWNER'S REPRESENTATIVE, SOD MUST BE OF A MARYLAND OR VIRGINIA CERTIFIED VARIETY SUITED TO THE SPECIFIC GROWING REQUIREMENTS OF WHERE IT IS TO BE INSTALLED. GROWER AND VARIETY TO BE SUBMITTED TO OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO ORDERING. CERTIFICATION DOCUMENTATION FOR ALL SOD IS TO BE PROVIDED TO THE OWNER'S REPRESENTATIVE UPON DELIVERY. FOR INSTALLATION ON SLOPES, THE CONTRACTOR SHALL USE BIODEGRADABLE SOD SPIKES TO SECURE SOD IN PLACE. METAL SOD STAPLES ARE NOT TO BE UTILIZED FOR INSTALLATION.

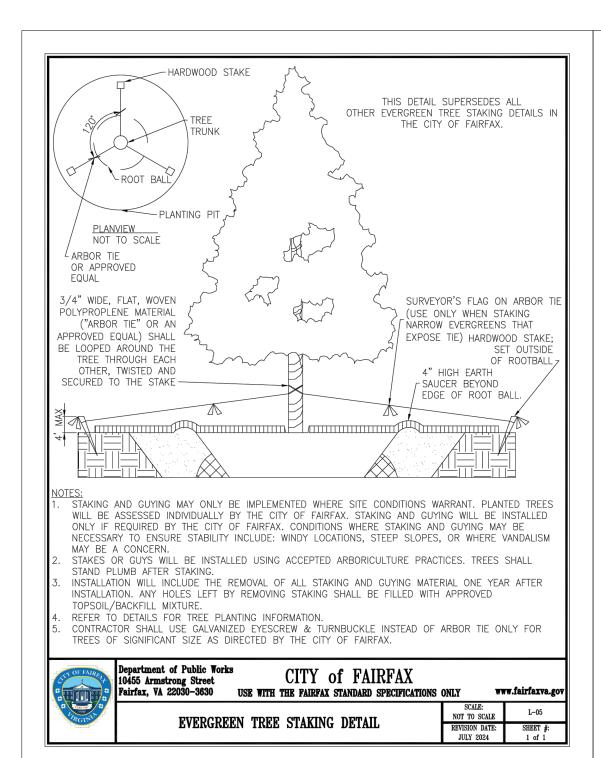
INVASIVE SPECIES: EXISTING INVASIVE SPECIES ARE TO BE REMOVED UTILIZING APPROPRIATE APPROVED METHODS INCLUDING IN THE INVASIVE SPECIES MANAGEMENT PLAN (IF APPLICABLE) PRIOR TO THE INSTALLATION OF NEW PLANT MATERIALS, AND IS SUBJECT TO INSPECTION, AND IS A FACTOR IN THE CERTIFICATION OF INSTALLATION.

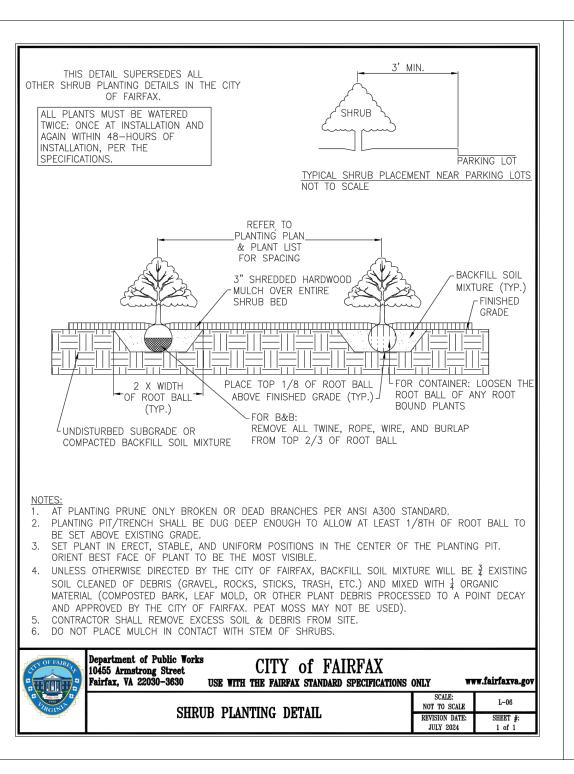
NOTE: THESE SPECIFICATIONS AND DETAILS ARE BASED ON THOSE DEVELOPED BY THE URBAN TREE FOUNDATION, AND HAVE BEEN IMPROVED TO REFLECT CURRENT RESEARCH INTO EFFECTIVE PLANTING. THE ISA HAS ALSO REPLACED THEIR OWN DETAILS AND NOW REFERENCE THE UTF DETAILS. THE SPECIFICATIONS AND DETAILS ILLUSTRATED IN THIS PLAN SET EXCEED THE STANDARDS SET IN THE ISA, LCA, AND LOCAL JURISDICTIONAL PLANTING DETAILS AND SPECIFICATIONS.

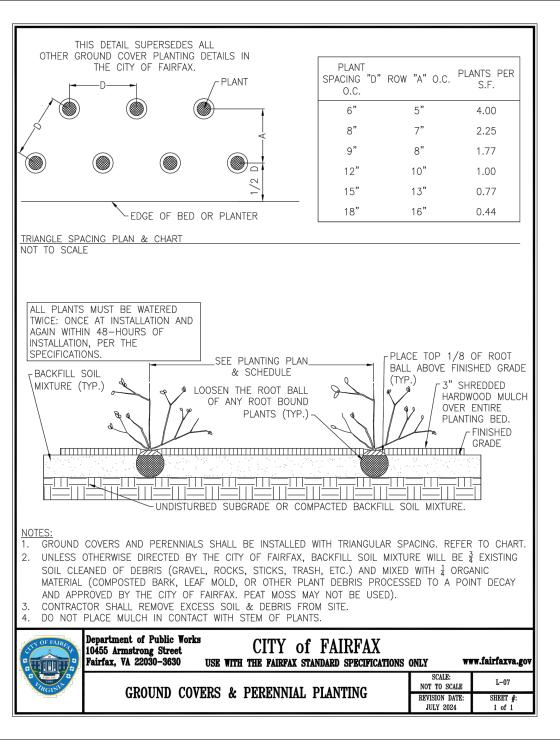










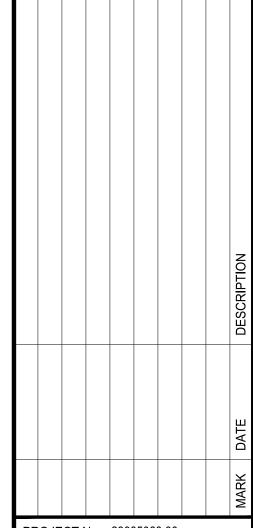








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PROJECT No.: 23005060.00 DRAWING No.: 112931 DATE: 2025-01-06 SCALE: NOT TO SCALE DESIGN: QN DRAWN: QN CHECKED: JM

SHEET TITLE:

LANDSCAPE **DETAILS & SPECIFICATIONS** 

SHEET No.