444 MAPLE AVENUE WEST

SITE PLAN TOWN OF VIENNA, VIRGINIA

DEPARTMENT OF PUBLIC WORKS NOTES

1) WATERLINES, ALL WATERLINE INSTALLATION SHALL SUBSCRIBE TO THE TOWN OF VIENNA'S CONSTRUCTION STANDARDS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- a. WATERLINES SHALL HAVE A MINIMUM COVER OF FOUR FEET (4'), UNLESS OTHERWISE SHOWN ON THE DRAWING, MEASURED FROM THE TOP OF THE PIPE TO THE FINISHED GROUND ELEVATION. IN NO EVENT SHALL THE DEFLECTION PER JOINT OF LENGTH EXCEED THE RECOMMENDED MAXIMUM DEFLECTION AS SET FORTH BY THE PIPE MANUFACTURER.
- b. FIRE HYDRANTS SHALL BE PLACED A MINIMUM OF EIGHTEEN INCHES (18") OR A MAXIMUM OF THIRTY—SIX INCHES (36") FROM THE FACE OF THE CURB, MEASURED FROM THE FACE OF THE CURB TO THE CENTER OF THE BARREL, AT A POINT ON THE HYDRANT IMMEDIATELY BELOW THE SWIVEL FLANGE. THE PUMPER NOZZLE SHALL BE EIGHTEEN INCHES (18") ABOVE THE CURB. c. FIRE HYDRANTS SHALL BE SO PLACED THAT THEY DO NOT FALL WITHIN THE SIDEWALK, UNLESS SO DIRECTED BY THE
- INSPECTOR FOR THE TOWN OF VIENNA. d. A SUITABLE SUMP MUST BE PROVIDED TO ALLOW DRAINING OF THE HYDRANT. FIRE HYDRANTS SHALL NOT TO BE PLACED IN
- e. HYDRANTS SHALL BE PLACED ON FIRM FOUNDATION TO SUPPORT THE UNDERBASE AND A CONCRETE BLOCK BRACE SHALL BE
- POURED AGAINST FIRM UNDISTURBED GROUND TO KEEP THE HYDRANT FROM BLOWING OFF. f. GRAVEL SHALL BE PLACED AROUND CIRCUMFERENCE OF THE HYDRANT BASE FOR A DISTANCE OF TWELVE INCHES (12") AND A HEIGHT OF EIGHTEEN INCHES (18") TO ASSURE POSITIVE DRAINAGE OF HYDRANT BARREL. GRAVEL SHALL BE CLEAN AND NOT LESS THAN THREE-FOURTHS INCH (3/4") SIZE.
- g. POLYETHYLENE ENCASEMENT SHALL BE PROVIDED AROUND ALL WATER LINES, ENCASEMENT SHALL BE SEAMLESS AND IN ACCORDANCE WITH ANSI/AWWA STANDARD CLOS CLASS C, AND SHALL BE INSTALLED IN ACCORDANCE WITH PROCEDURES DESCRIBED IN ANSI/AWWA STANDARD CLOS AROUND THE WATER MAIN, INCLUDING ALL PIPE, FITTINGS, VALVES, HYDRANTS AND BRANCH CONNECTIONS WHERE SHOWN ON THE PLANS. THERE SHALL BE TWO FEET OF OVERLAP BETWEEN THE CUT SECTIONS OF POLYETHYLENE. ALL OVERLAPPING SECTIONS SHALL BE COMPLETELY TAPED IN ORDER TO HOLD THEM IN POSITION DURING BACKFILLING. ALL HOLES, SLITS, OR OPENINGS OF ANY SIZE SHALL BE REPAIRED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION SUCH THAT THE INTEGRITY OF THE POLYETHYLENE ENCASEMENT IS COMPLETELY RESTORED TO THE SATISFACTION OF THE TOWN. POLYETHYLENE ENCASEMENT WILL NOT BE REQUIRED FOR WATER MAIN INSTALLED INSIDE OF
- 2) SEWER LINES: ALL SEWER LINE INSTALLATION SHALL SUBSCRIBE TO THE TOWN OF VIENNA'S CONSTRUCTION STANDARDS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
- a. PVC SEWER PIPE SHALL BE SCHEDULE 35 AND SHALL CONFORM TO THE A.S.T.M. DESIGNATION D3034.
- b. INFILTRATION TEST, THE INFILTRATION INTO THE COMPLETED SEWER SHALL NOT EXCEED A RATE OF TWO-HUNDRED (200) GALLONS PER INCH OF DIAMETER, PER MILE, PER DAY FOR EIGHT INCH (8") UP TO AND INCLUDING TWENTY-FOUR INCH (24") DIAMETER AND NOT MORE THAN FIVE-THOUSAND (5,000) GALLONS PER MILE, PER DAY FOR ALL SIZED OVER TWENTY-FOUR INCH (24") DIAMETER. FOR SHORT STRETCHES OF LESS THAN FIVE-HUNDRED FEET (500'), RATES UP TO FIFTY PERCENT (50%) MORE THAN THE ABOVE AMOUNTS WILL BE PERMITTED PROVIDED THAT THE TOTAL LEAKAGE IN THE COMPLETED CONTRACT DOES NOT EXCEED THE ABOVE LIMITS.
- c. TESTS FOR INFILTRATION SHALL BE MADE UNDER THE DIRECTION OF THE TOWN AND AT LOCATIONS SELECTED BY HIM. ALL LABOR, TEMPORARY EQUIPMENT, AND MATERIALS INCLUDING WEIRS NECESSARY FOR SUCH TESTS SHALL BE FURNISHED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION. SUFFICIENT WEIR MEASUREMENTS SHALL BE MADE IN MANHOLES TO FURNISH THE NECESSARY INFORMATION. WHERE WEIR MEASUREMENTS ARE NOT SUITABLE IN THE TOWN'S OPINION, OTHER METHODS OF MEASUREMENTS AS HE SHALL DETERMINE MAY BE ADOPTED. WHERE PRACTICABLE, SEWERS SHALL BE TESTED IN LENGTHS BETWEEN MANHOLES OF NOT MORE THAT FIFTEEN-HUNDRED FEET (1,500').
- d. SEWERS WILL NOT BE TESTED FOR INFILTRATION UNTIL AT LEAST TWO (2) WEEKS AFTER INSTALLATION AND PRIOR TO ANY SERVICE CONNECTIONS UNLESS OTHERWISE APPROVED BY THE TOWN. SEWERS WHICH FAIL TO MEET TESTS SHALL BE REPAIRED UNTIL NECESSARY REQUIREMENTS OF THIS SPECIFICATION, AS EVIDENCED BY SUBSEQUENT TESTS, ARE COMPLIED WITH.
- 3) STORMWATER LINES: ALL STORMWATER LINE INSTALLATION SHALL SUBSCRIBE TO THE TOWN OF VIENNA'S CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- 4) THE OWNER MUST PHYSICALLY DISCONNECT EXISTING WATER, SEWER LATERALS THAT ARE TO BE ABANDONED AT THEIR CONNECTION
- 5) THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF PROPOSED UTILITIES. A MINIMUM OF 18 INCHES VERTICAL AND FIVE FEET HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM ANY UTILITIES
- AND PUBLIC WATER AND SEWER MAINS. 6) ALL WATER AND SEWER FACILITIES SHALL BE INSTALLED BY A LICENSED CONTRACTOR IN THE STATE OF VIRGINIA.
- 7) ALL WATER AND SEWER CONSTRUCTION IS INSPECTED AND TESTED AS PER VIENNA STANDARDS PRIOR TO FINAL ACCEPTANCE BY THE TOWN.
- 8) THE VIENNA SEWER DEPARTMENT SHALL BE NOTIFIED AT A MINIMUM 48 HOURS (MONDAY THROUGH FRIDAY) PRIOR TO COMMENCING ANY WORK, TESTING, AND PRIOR TO MAKING ANY CONNECTIONS TO EXISTING SEWER LINES OR MANHOLES.
- 9) THERE SHALL BE NO UNMETERED CONNECTIONS TO THE TOWN'S WATER SYSTEM, INCLUDING CONNECTIONS BYPASSING METERS FOR TESTING ON-SITE PLUMBING OR FOR OBTAINING CONSTRUCTION WATER.
- 10) PRESSURE TESTING AGAINST VALVES WILL NOT BE ALLOWED.
- 11) A NOMINAL FOUR FEET OF COVER IS REQUIRED FOR ALL WATER MAINS AT FINAL GRADE.
- 12) THE USE OF A FIRE HYDRANT AS A WATER SOURCE IS PROHIBITED UNLESS A METER HAS BEEN OBTAINED FROM VIENNA FOR USE OF A SPECIFIC HYDRANT(S).
- 13) ABANDONMENTS OF EXISTING WATER AND SEWER CONNECTIONS ARE CLEARLY INDICATED ON THE PLANS WITH APPROPRIATE NOTES DESCRIBING HOW THE SERVICES ARE TO BE ABANDONED AT THE MAINS. INDIVIDUAL SERVICES MUST BE CUT AND THE REMAINING SERVICE LINE CRIMPED NOT LESS THAN 12" FROM THE MAIN AND NOT MORE THAN 3'. THE TOWN IS TO BE NOTIFIED 48 HOURS IN ADVANCE OF DISCONNECTION AND MAY INSPECT THE DISCONNECTION AT ITS CHOOSING SO AS TO PREVENT SLOW LEAKS, INCOMPLETELY TURN OFF CORPORATIONS AND OR FUTURE CONSTRUCTION ISSUES WITH TRENCHING THROUGH NONE CUT SERVICE
- 14) PER SECTION TOWN OF VIENNA CONSTRUCTION SPECIFICATIONS SECTION I.B.10: SUPPORTS SHALL BE CONSTRUCTED BEHIND ALL BENDS, TEES, CAPS, PLUGS AND HYDRANTS. THE USE OF SUPPORTS BEHIND FITTINGS REFERS TO FITTINGS IN THE VERTICAL PLANE AS WELL AS THOSE USED IN THE HORIZONTAL PLAN." THEY SHALL BE DESIGNED TO CARRY THE LOAD THAT WILL REASONABLY BE REQUIRED OF THEM UNDER MAXIMUM HEAD AND A REASONABLE ALLOWANCE FOR WATER HAMMER."
- 15) POLYETHYLENE ENCASEMENT IS REQUIRED FOR ALL LINES IN VIENNA IN ACCORDANCE WITH ANSI/AWWA STANDARD C105 CLASS C, PER SECTION1.B.14.B OF THE VIENNA STANDARD CONSTRUCTION SPECIFICATIONS.

TOWN OF VIENNA - NOTES

- 1. A PRE-CONSTRUCTION MEETING MUST BE HELD PRIOR TO THE START OF CONSTRUCTION. CALL 703-255-6384 TO SCHEDULE THE PRE-CONSTRUCTION MEETING.
- 2. ALL CONSTRUCTION GENERATED DEBRIS MUST BE HAULED AWAY BY THE CONTRACTOR OR OWNER.
- PRIOR TO THE REMOVAL OF ANY TOWN TREES (TREES WITHIN THE RIGHT OF WAY), THE APPLICANT OR THEIR REPRESENTATIVE SHALL CONTACT THE TOWN OF VIENNA ARBORIST AT 703-255-6360 TO COORDINATE HAVING THE TOWN ARBORIST ONSITE DURING ALL TOWN TREE REMOVAL.
- 4. TREE PROTECTION FOR ANY TOWN TREE, AS SHOWN ON PLAN, MUST BE INSTALLED PRIOR TO ANY SITE WORK.
- 5. IT IS UNLAWFUL TO PERFORM ANY CONSTRUCTION ABOVE FOUNDATION CORNERS PRIOR TO APPROVAL OF SETBACKS. WORK COMPLETED IN VIOLATION OF THIS REQUIREMENT IS SUBJECT TO DEMOLITION.
- 6. ALL DUMPSTERS/PODS ARE TO BE PLACED ON PRIVATE PROPERTY.
- 7. FRONT ELEVATION CHECKS ARE REQUIRED.
- 8. WALL CHECK SURVEYS ARE REQUIRED AND MUST BE SUBMITTED PRIOR TO CONSTRUCTION ABOVE FOUNDATION CORNERS.
- 9. A CERTIFICATE OF OCCUPANCY IS REQUIRED PRIOR TO OCCUPANCY. ALL REQUIRED DOCUMENTATION AND INSPECTION MUST BE SUBMITTED/COMPLETED BEFORE THE TOWN OF VIENNA WILL ISSUE A CERTIFICATE OF OCCUPANCY.
- 10. EXISTING SANITARY SEWER LATERALS ARE TYPICALLY CAPPED AT OR NEAR THE PROPERTY LINE. THE REUSE OF THE PORTION OF THE EXISTING SANITARY SEWER LATERAL BETWEEN THE TOWN OWNED SEWER MAIN AND THE CAPPED END MAY BE ALLOWED PROVIDING THAT A LICENSED PLUMBER CERTIFIES THAT THE EXISTING PIECE OF PIPE IS GRADED PROPERLY AND IN LIKE NEW CONDITION. THE REUSE OF A PORTION OF THE EXISTING LATERAL DOES NOT IMPLY THAT THE TOWN IS WARRANTING THE CONDITION IN ANY WAY.

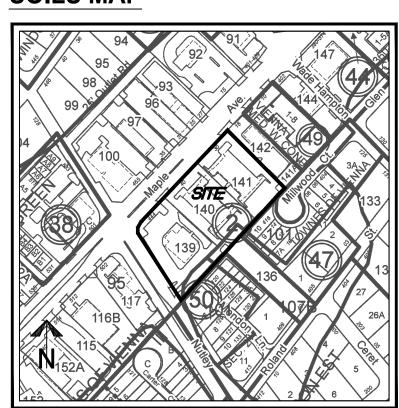
CONSTRUCTION NOTES

CONTRACTOR AND DEVELOPER ARE ADVISED THAT ANY ELECTRONIC FILES ASSOCIATED WITH THE PREPARATION OF THESE PLANS WILL NOT BE RELEASED TO OTHERS FOR USE IN CONSTRUCTION STAKEOUT OR RELATED SERVICES.

- 1. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES WHICH MAY OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND UTILITIES. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN IN THOSE SHOWN ON THE PLANS. HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF SERVICE.
- 2. THE CONTRACTOR SHALL DIG TEST PITS AS REQUIRED FOLLOWING NOTIFICATION AND MARKING OF ALL EXISTING UTILITIES BY MISS UTILITY TO VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES. TEST HOLES TO BE PERFORMED AT LEAST 30 DAYS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE OWNER AND ENGINEER. REDESIGN AND APPROVAL BY REVIEWING AGENCIES SHALL BE OBTAINED IF THIS INSTANCE OCCURS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER AND THE ENGINEER OF ANY CHANGES OR CONDITIONS ATTACHED TO PERMITS OBTAINED FROM ANY AUTHORITY ISSUING PERMITS.
- 4. THE CONTRACTOR SHALL VISIT THE SITE AND SHALL VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
- 5. THE CONTRACTOR SHALL CLEAR THE SITE OF ALL TREES, BUILDINGS, FOUNDATIONS, ETC. WITHIN THE LIMITS OF CONSTRUCTION UNLESS OTHERWISE SPECIFIED, AND SHALL BE RESPONSIBLE FOR CAUSING EXISTING UTILITIES TO BE DISCONNECTED
- 6. THE DEVELOPER SHALL PROVIDE OVER-LOT GRADING TO PROVIDE POSITIVE DRAINAGE AND PRECLUDE PONDING OF WATER.
- 7. FINISHED GRADES SHOWN FOR FINISHED TOP OF CURB GRADES ON EXISTING ROADS SHALL BE FIELD ADJUSTED AS REQUIRED TO CONFORM TO THE INTENT OF THE TYPICAL SECTION USING THE EXISTING EDGE OF PAVEMENT AS THE CONTROL POINT. A SMOOTH GRADE SHALL BE MAINTAINED FROM THE CENTERLINE OF THE EXISTING RIGHT-OF-WAY TO THE FACE OF CURB TO PRECLUDE THE FORMING OF FALSE GUTTERS AND/OR THE PONDING OF WATER ON THE ROADWAY. THE EXISTING PAVEMENT SHALL BE RECAPPED AND/OR REMOVED AND REPLACED AS REQUIRED TO ACCOMPLISH THIS REQUIREMENT. CURB FORMS SHALL BE INSPECTED AND APPROVED FOR HORIZONTAL AND VERTICAL ALIGNMENT BY CITY OF FALLS CHURCH INSPECTORS PRIOR TO PLACING OF CONCRETE. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FINISHED GRADES ON TOP OF STRUCTURED PARKING DECK.
- 8. AREAS ON OR OFF-SITE, WHICH ARE DISTURBED BY THIS CONSTRUCTION AND WHICH ARE NOT PAVED OR BUILT UPON, SHALL BE ADEQUATELY STABILIZED TO CONTROL EROSION AND SEDIMENTATION. THE MINIMUM ACCEPTABLE STABILIZATION SHALL CONSIST OF PERMANENT GRASS, SEED MIXTURE TO BE AS RECOMMENDED BY THE CITY AGENT. ALL SLOPES 3:1 AND GREATER SHALL BE SODDED AND PEGGED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE TOWN OF VIENNA.
- 9. EXISTING WELLS SHALL BE PERMANENTLY ABANDONED IN ACCORDANCE WITH VIRGINIA STATE WATER CONTROL BOARD REQUIREMENTS.
- 10. ALL OVER HEAD POLE LINES SHALL BE RELOCATED OR REMOVED AS SHOWN BY THE OWNING UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ARRANGEMENTS AND COORDINATING ALL WORK REQUIRED FOR THE
- 11. SUBBASE MATERIAL SHOWN ON THE TYPICAL STREET SECTION SHALL CONFORM TO VDOT SPECIFICATIONS SECTION 209. PAVEMENT THICKNESS AS SHOWN ON THE PLAN 31. ALL STREET CUTS TO MEET VDOT STREET RESTORATION DETAILS ARE BASED ON AN ASSUMED SOIL SUPPORT VALUES (S.S.V.) OF 10 UNLESS OTHERWISE NOTED. A QUALIFIED SOILS TESTING FIRM SHALL BE ENGAGED BY THE CONTRACTOR TO DETERMINE THE ACTUAL S.S.V. IN ACCORDANCE WITH "A DESIGN GUIDE FOR SUBDIVISION PAVEMENTS IN VIRGINIA" BY N.K. VASWANI, OCTOBER 1973. VHRC 73-821 AS AMENDED. SOIL SUPPORT VALUES SHALL BE OBTAINED AT EACH CHANGE IN SUBGRADE SOILS AND AT A MAXIMUM SPACING OF 500 FEET WHERE SUBGRADE SOILS REMAIN CONSTANT. S.S.V. SHALL BE FURNISHED TO THE ENGINEER AND THE ENGINEER SHALL REVISE THE PAVEMENT DESIGN THICKNESS TO SHOW THE ACTUAL DEPTH OF PAVEMENT MATERIAL REQUIRED AND SHALL SUBMIT THE REVISION TO THE CITY OF FALLS CHURCH FOR REVIEW AND APPROVAL. THE CONTRACTOR IS ADVISED NOT TO BRING THE AREA SUBJECT TO THIS REVISION TO FINISHED GRADE UNTIL AFTER THE REVISED PAVEMENT SECTION IS APPROVED.
- 12. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL VERIFY FROM THE ARCHITECTURAL DRAWINGS ALL DIMENSION, DETAILS, AND TREATMENTS FOR THE PROPOSED BUILDINGS, WALKWAYS, AND OTHER PROPOSED CONSTRUCTION WHERE INDICATED ON THE PLANS. ANY DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO DESIGN ENGINEER.
- 13. THE CONTRACTOR IS TO VERIFY INVERT, SIZE AND LOCATION OF BUILDING UTILITY CONNECTIONS WITH THE MECHANICAL PLANS PRIOR TO PLACEMENT OF UNDERGROUND UTILITIES.
- 14. NO UNDERGROUND SOILS INVESTIGATION HAS BEEN PERFORMED BY WALTER L. PHILLIPS, INC. ALL SOILS INFORMATION PRESENTED AS PART OF THIS SITE PLAN HAS BEEN PREPARED BY OTHERS AND IS INCLUDED AS REQUIRED FOR CITY OF FALLS SITE PLAN APPROVAL.
- 15. THE CONTRACTOR SHALL REMOVE EXISTING BUILDINGS, FENCES AND OTHER EXISTING PHYSICAL FEATURES AS REQUIRED.

- 16. ALL PROPOSED SIDEWALK, CG-6, CG-2 OR CG-6R IS TO BE CONSTRUCTED WITH A MINIMUM 6" AGGREGATE BASE. SEE SHEET C-0202 AND C-0203 FOR DETAILS
- 17. EXISTING CONSTRUCTION SHALL BE REMOVED TO NEAREST JOINT. NEW CONSTRUCTION SHALL BE PROVIDED AS SHOWN AND ANY DAMAGED AREA SHALL BE REPAIRED TO MATCH CONDITIONS EXISTING PRIOR TO CONSTRUCTION.
- 18. DAMAGE TO ANY EXISTING ENTRANCES, CURB AND GUTTER, PAVEMENT OR OTHER EXISTING STRUCTURES NOT PROPOSED TO BE DISTURBED WITH THIS DEVELOPMENT, WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE REPAIRED TO THE SATISFACTION OF THE TOWN OF VIENNA, THE VIRGINIA DEPARTMENT OF TRANSPORTATION AND ANY ADJOINING OWNERS THAT MAY BE AFFECTED.
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING A SMOOTH TRANSITION TO EXISTING CURB.
- 20. ALL PRIVATE BUILDING CONNECTIONS ARE TO BE INSTALLED IN ACCORDANCE WITH THE CURRENT PLUMBING CODE.
- 21. SEE ARCHITECTURAL AND/OR LANDSCAPE DRAWINGS FOR DIMENSIONS AND DETAILS FOR ALL RETAINING WALLS. ALL ON-SITE RETAINING WALLS ARE SUBJECT TO A SEPARATE BUILDING PERMIT TO BE OBTAINED BY OWNER. THIS PLAN IS FOR APPROXIMATE LOCATION AND PROPOSED GRADING ONLY. GEOTECHNICAL AND STRUCTURAL DESIGN TO BE ACCOMPLISHED BY OTHERS. RETAINING WALLS SHOWN ON THIS PLAN ARE FOR THE PURPOSES OF DEMONSTRATING THE PROPOSED TOP AND BOTTOM ELEVATIONS AND LOCATION OF THE WALLS ONLY. RETAINING WALLS ARE TO BE MAINTAINED BY THE PROPERTY OWNERS.
- 22. TOPS OF EXISTING STRUCTURES WHICH REMAIN IN USE ARE TO BE ADJUSTED IN ACCORDANCE WITH THE GRADING PLAN. ALL PROPOSED STRUCTURE TOP ELEVATIONS ARE TO BE VERIFIED BY THE CONTRACTOR WITH THE SITE GRADING PLANS. IN CASE OF CONFLICT, THE GRADING PLAN SHALL SUPERSEDE PROFILE ELEVATIONS. MINOR ADJUSTMENTS TO MEET FINISHED GRADE ELEVATIONS MAY BE REQUIRED.
- 23. SEE LANDSCAPE PLAN FOR ALL ON-SITE SIDEWALK, PLANTING AND IRRIGATION
- 24. THE DESIGN, CONSTRUCTION, FIELD PRACTICES AND METHODS SHALL CONFORM TO THE REQUIREMENTS SET FORTH BY THE TOWN OF VIENNA AND ITS CURRENT ZONING ORDINANCE AND CONSTRUCTION STANDARDS MANUAL, FAILURE TO COMPLY WITH THE CODE, APPLICABLE MANUALS, PROVISIONS OF THE CONSTRUCTION AND ESCROW AGREEMENTS OR THE PERMITS SHALL BE DEEMED A VIOLATION.
- 25. THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE OWNER/DEVELOPER OR HIS AGENT OF ANY LEGAL RESPONSIBILITIES WHICH MAY BE REQUIRED BY THE CODE OF VIRGINIA OR ANY ORDINANCE ENACTED BY THE GOVERNING AGENCY.
- 26. A MINIMUM PERMISSIBLE GRADE OF 1.00% IS REQUIRED FOR PAVEMENT TO ASSURE POSITIVE DRAINAGE. IF THERE IS EXISTING PAVEMENT WHICH IS TO REMAIN DISTURBED DURING CONSTRUCTION AND IS LESS THAN 1.00%, THEN THE CONTRACTOR IS TO CHECK TO MAKE SURE THE SITE AREA WILL HAVE ADEQUATE DRAINAGE.
- 27. NO EVIDENCE OF GRAVES OR BURIAL SITES HAS BEEN FOUND ON THIS PROPERTY.
- 28. CONSTRUCTION STAKEOUT SHALL BE UNDER THE DIRECT SUPERVISION OF A LICENSED LAND SURVEYOR IN THE COMMONWEALTH OF VIRGINIA.
- 29. CONTRACTOR TO COORDINATED TIE BACK LOCATIONS WITH EXISTING AND PROPOSED UTILITIES AND OBTAIN APPROVALS REQUIRED BY THE TOWN OF VIENNA.
- 30. ALL SITE WORK TO MEET TOWN OF VIENNA STANDARDS AND SPECIFICATIONS PER THE CURRENT PUBLIC INFRASTRUCTURE MANUAL (PIM). IF A STANDARD IS NOT INCLUDED IN THE PIM REFER TO THE FAIRFAX COUNTY PUBLIC FACILITIES MANUAL (PFM).
- 32. RELOCATED STORM SEWER TO BE INSTALLED AND BACKFILLED PER TOWN OF VIENNA

SOILS MAP



SOILS DATA

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SOIL #'S	SERIES NAME	HYDROLOGIC SOIL GROUP	PROBLEM CLASS	FOUNDATION SUPPORT	SUBSURFACE DRAINAGE	ERODABIL
95	URBAN LAND	N/A	IVB	N/A	N/A	N/A
107B	WHEATON- MEADOWVILLE COMPLEX	D	IVB	FAIR	MARGINAL	MEDIUM

SCALE: 1"=300

STRUCTURAL ENGINEER TO DETERMINE LEVEL OF REQUIRED INVESTIGATION FOR BUILDING DESIGN PURPOSES.

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DRY UTILITY PROFILES

DRY UTILITY PROFILES

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NOTE:

NO SITE PLAN MODIFICATIONS REQUESTED

DRY UTILITY PLAN

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FIRE FLOW INFORMATION

SEE SHEET C-1302, FIRE MARSHAL APPROVAL WILL BE OBTAINED PRIOR TO TOWN APPROVAL. FILE # 79830

FIRE MARSHAL APPROVAL - MICHAEL PARUTI DATE 01/21/2021

GENERAL NOTES:

PROPERTY ADDRESS: 430,440,444 MAPLE AVENUE WEST SITE AREA: 120,091 SF OR 2.76 ACRES TYPE OF PLAN: MAPLE AVENUE REZONING APPROVED 10/29/2018 EXISTING ZONE: RS-16/C-1 PROPOSED/APPROVED ZONE: MAC (SE CLERK LETTER SHEET C-0201)

see sheet **T-ogwyn ao f**on**iv i pornaton** OWNER INFORMATION OF THE NA DEVELOPMENT AS DICITIES, LLC C/C HEKEMIAN & COMPANY

505 MAIN STREET SHITE SW2021 HACKENSACK, NJ 07601 ATTN: CHRIS BELL (410) 626 9607

COMMUNITY CONTACT:

CHRIS BELL CHRIS@HEKEMIAN.COM

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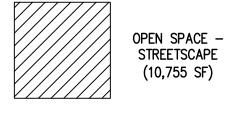
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OPEN SPACE CALCULATION

LOT AREA:		120,091 SF (2.76 AC)
MIN OPEN SPACE REQUIRED	15% OF LOT AREA	18,014 SF MIN.
OPEN SPACE PROVIDED	20.0% OF LOT AREA	24,042 SF



OPEN SPACE — SIDE AND REAR (13,287)

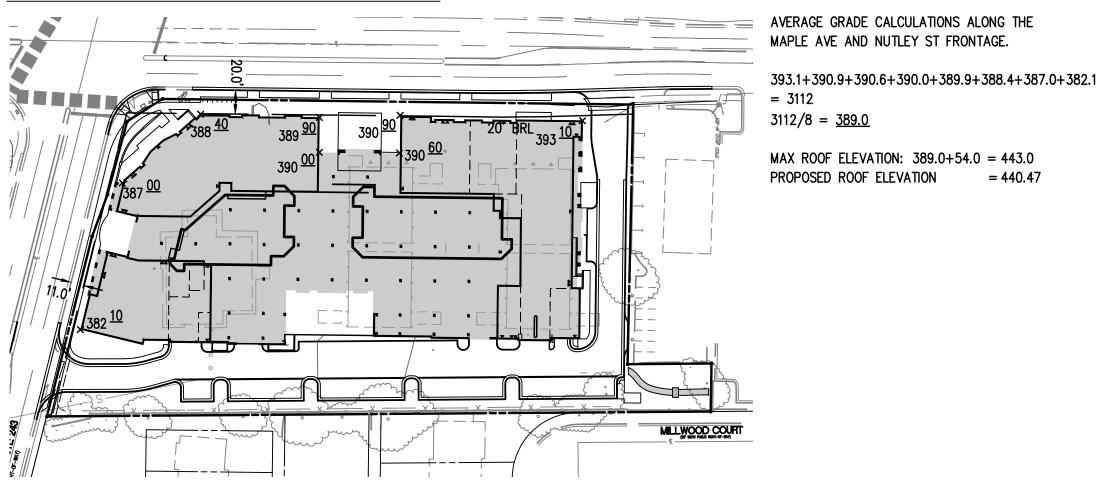
ZONING TABULATION

PROPOSED ZONE: MAPLE AVENUE COMMERCIAL (MAC)

	MAC ZONING REQUIREMENTS	<u>PROVIDED</u>
LOT AREA	NONE	120,091 SF (2.76 AC)
LOT WIDTH	NONE	392.28'
BUILDING WIDTH	NONE	196'
BUILDING HEIGHT**	54'	51.47'
YARD REQUIREMENTS		
FRONT ON MAPLE	20' MINIMUM TO FACE OF CURB	20.1'
FRONT OF NUTLEY	15' MINIMUM TO FACE OF CURB	15.7'
SIDE (EAST PL)	WITH WALLS OR DOORS = 8' IF ABUTS A COMMERCIAL USE	40.3'
REAR (SOUTH PL)	20'	58.1'
MAX IMPERVIOUS SURFACE	80% OF THE LOT + 5% INCENTIVE BONUS = 85% (102,077 SF)	84.7% (101,664 SF)
OPEN SPACE	15% OF LOT AREA (18,014 SF)	20.0% (24,042 SF)
LOADING		
LOADING SPACE DEPTH	25'	38' MINIMUM
LOADING SPACE WIDTH	15'/50' OF BUILDING WIDTH = 60' TOTAL	25',35' (60' TOTAL)
LOADING SPACE HEIGHT	15'	17' RES.; 19' RETAIL

SCALE: 1" = 80'

FINISHED LOT GRADE CALCULATION



PARKING TABULATION

9	6.0%
	0.070
84	56.0%
57	38.0%

PARKING SUMMARY		
PARKING REQUIRED	REQUIREMENT	REDUCTION
RESIDENTIAL	249	212
RETAIL	168	144
TOTAL PARKING REQUIRED	417	356
PARKING PROVIDED	ACTUAL	BONUS**
RESIDENTIAL (BASEMENT)	181	226
RETAIL (GROUND FLOOR / SURFACE)	127	148
TOTAL PARKING PROVIDED	308	374

*15% REDUCTION BASED ON VIENNA ZONING CODE SECTION 18-95.19 **25% BONUS BASED ON VIENNA ZONING CODE SECTION 18-95.10 A ***Assumed 1 seat per 15 SF ****PARKING TOTALS EXCLUDE COMPACT SPACES

PARKING DETAILS

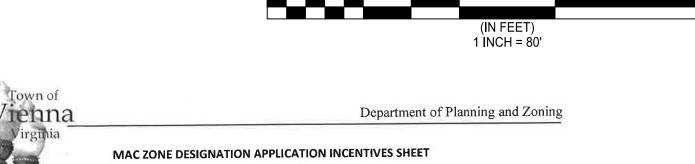
PARKING REQUIRED					
RESIDENTIAL	COUNT	RATIO	REQUIREMENT	REDUCTIO)N*
STUDIO	9	1 / UNIT	9	x0.85	8
1 BEDROOM	84	1.5 / UNIT	128	x0.85	109
2 BEDROOM	57	2 / UNIT	112	x0.85	95
TOTAL	150		249		212
RETAIL					
RETAIL	11,052 SF	5 / 1000 SF	56	x0.85	48
RESTAURANT	368 SEATS***	1 / 4 SEATS	92	x0.85	79
OUTDOOR SEATING	79 SEATS***	1 / 4 SEATS	20	x0.85	17
TOTAL			168		144
TOTAL PARKING REQUIRED			417		356
PARKING PROVIDED					
	GARAGE (G)	SURFACE (S)	TOTAL	BONUS**	
RESIDENTIAL PARKING	181	0	181	Gx1.25+S	226
RETAIL PARKING	84	43	127	Gx1.25+S	148
TOTAL PARKING PROVIDED	265	43	308		374

COMPACT PARKING RATIO			5.2%
RESIDENTIAL PARKING PROVIDED	ACTUAI	L	BONUS**
STANDARD (100% OF REQUIRED SPACES)	181	Gx1.25+S	228
COMPACT (0% OF REQUIRED SPACES)	16	Gx1.25+S	21
TOTAL	197		249
RESIDENTIAL PARKING REQUIRED AFTER REDI	UCTION*		211
SURPLUS PARKING AFTER BONUS AND REDUC	TION * **		38

BICYCLE PARKING DETAILS	
PARKING REQUIRED	
RESIDENTIAL (1 / 10 DU LONG TERM + 1 / 50 DU SHORT TERM)	

RETAIL (1 / 5,000 SF PUBLIC + 1 / 25,000 SF EMPLOYEE)

TOTAL PARKING REQUIRED PARKING PROVIDED RESIDENTIAL (INTERIOR) RESIDENTIAL (EXTERIOR) **TOTAL PARKING PROVIDED**



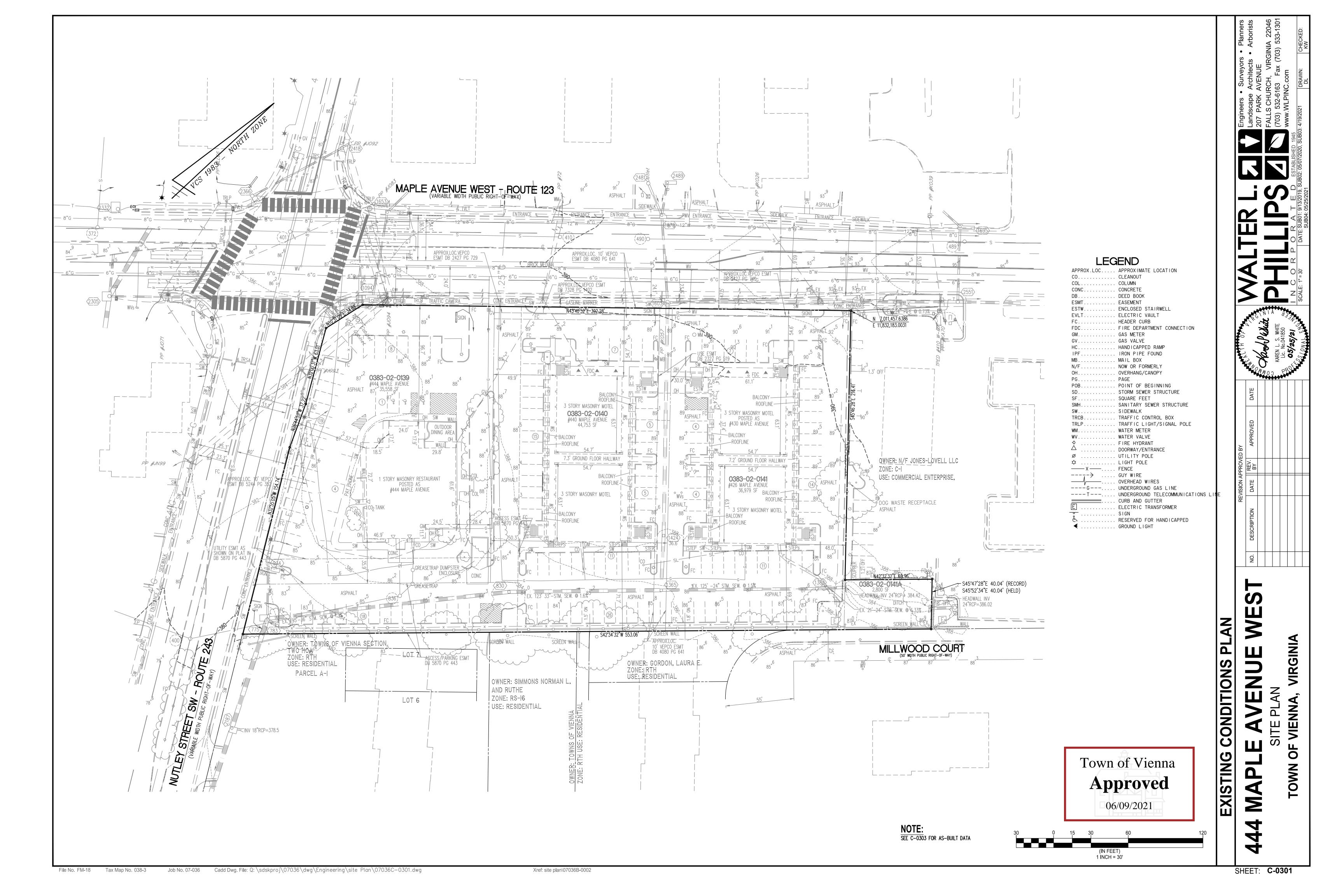
	Minimum Number of	Features to be Provide	d
Type of Incentive Requested	From Schedule A	From Schedu	ule B
A five percent increase in the maximum impervious surface	2	2	(X)
A ten percent increase in the maximum impervious surface	2	3	O
A 7.5 percent reduction in the minimum number of parking spaces required	1	2	С
A 15 percent reduction in the minimum number of parking spaces required	2	3	(X)
Inclusion of a mezzanine level for a commercial use which shall not count as an additional story.	1	1	0

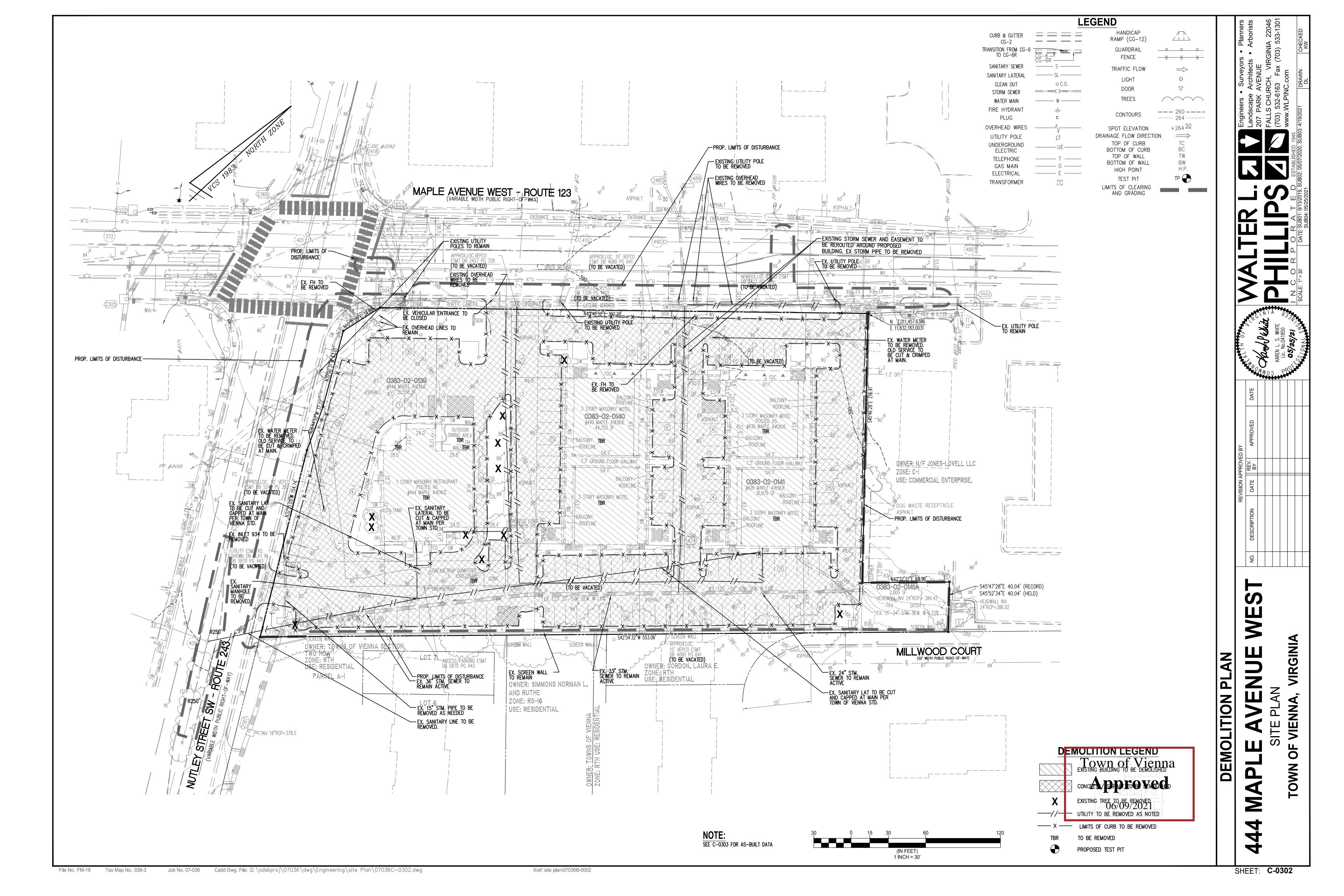
Please check boxes for all incentive features being used in MAC project

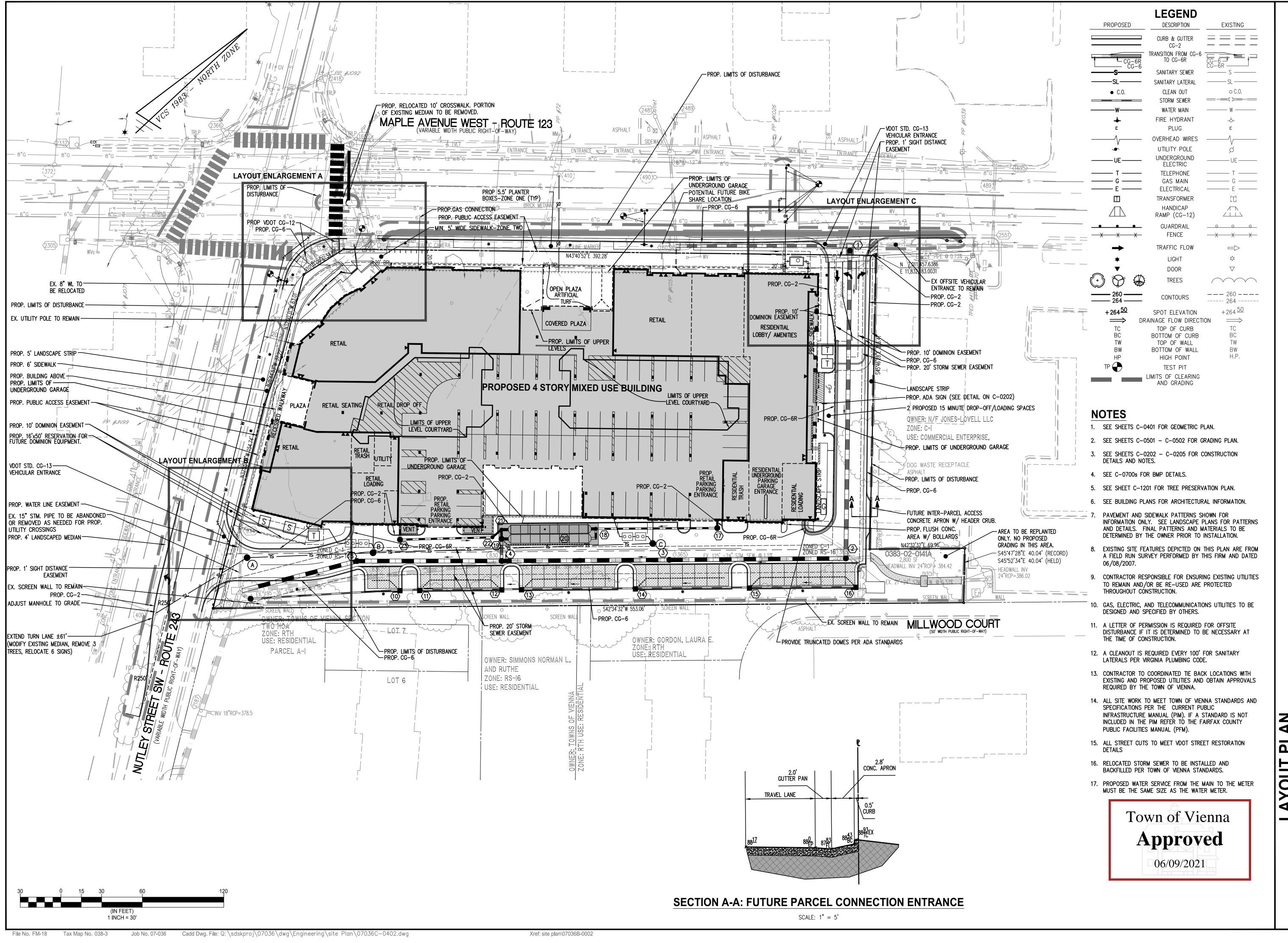
Schedule	Type of Feature		
GREEN BU	LDING CERTIFICATION		
AA	Designed to Earn the Energy Star certification (EPA program)	_O_	
В	Structure design that can accommodate the installation and operation of solar photovoltaic panels or solar thermal heating devices (including appropriate wiring and water transport systems)	(X)	
ввв	Construction of the principal structure to meet or exceed LEED Silver certification standards or another equivalent green building certification program	0	
ВВ	Construction of the principal structure to Earn the Design for Energy Star certification or similar program	0	
WATER CO	NSERVATION AND QUALITY PROTECTION		
AA	Configuration of the principal structure's roof so that at least 50 percent of the roof is a "green" roof intended to capture and hold rain water	0	
Α	Inclusion of rain water capture and re-use devices such as cisterns, rain filters, and underground storage basins with a minimum storage capacity of 500 gallons	0	
Α	Provision of open space set-asides at a rate 200 percent or more beyond the minimum required	0	
В	Provision of rain gardens or other appropriate stormwater infiltration system(s) of at least two percent of the total site area.	\otimes	
В	Use of xeriscape landscaping techniques without irrigation		
SITE CONF	IGURATION		
AA	Inclusion of underground parking or parking structures sufficient to accommodate 51 percent or more of the off-street parking requirements	⊗	
AA	Closure of one existing accessway, vehicular entrance or driveway on Maple Avenue	\otimes	
Α	Provision of public art with a value meeting at least one percent of the total construction cost		
Α	Provision of all required long-term bicycle parking spaces in weather-protected rooms or cages with controlled access for bicycle users, and that also contain racks for the socure attachment of bicycles using a lock or other similar device.	n of Vie	enna
ВВ	Provision of transit facilities (e.g., designated park-and-ride parking spaces, t us shelters*, bicycle share facilities or similar features)	(X)	
В	Inclusion of showering and dressing facilities in nonresidential development: for employees alternative forms of transportation	pprov	ea
В	Provision of at least one enclosed recycling station per building suitable for s orage and collection of recyclable generated on-site	06/09/2021	
BBB	Provision of public parking in an amount to exceed 110 percent of the required parking for the development ation and installation of the bus shelter shall receive an agreement of the pertinent transit authorities before the textuming appropriate to the pertinent transit authorities before the textuming appropriate to the pertinent transit authorities before the textuming appropriate the pertinent transit authorities before the textuming appropriate the pertinent transit authorities before the textuming appropriate the pertinent transit authorities are the pertinent transit authorities and the pertinent transit authorities are the pertinent transities are the pertin	00/09/202	

127 Center Street, South • Vienna, Virginia 22180 p: (703) 255-6341 • f: (703) 255-5729 • TTY711 www.viennava.gov

EXISTING IMPERVIOUS AREA = 100,766 SF (83.9%)







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VIRGINIA

SHEET: **C-0402**