BROOK ROAD APARTMENTS

2009 BROOK ROAD RICHMOND, VIRGINIA

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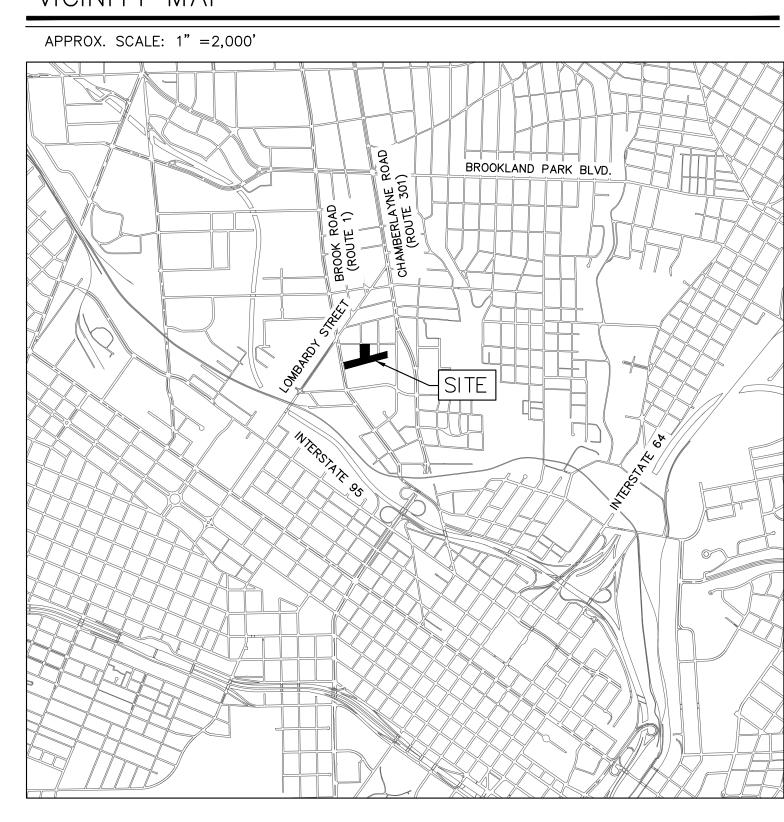
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TELEPHONE

VERIZON 2600 BRITTONS HILL ROAD RICHMOND, VA 23230 TEL: (804) 772-5235

VICINITY MAP



PROJECT DATA

| SITE AREA | 4.45 ACRES |
|------------------------|---|
| PROPOSED USE | MULTI-FAMILY |
| UNITS | 61 STUDIO UNITS (27.2%) 88 1-BEDROOM UNITS (39.3%) 2 1-BEDROOM + DEN UNITS (0.9%) 73 2-BEDROOM UNITS (32.6%) = 224 APARTMENTS TOTAL |
| DENSITY | 50.3 UNITS PER ACRE |
| PARKING REQUIREMENTS | 1.25 SPACES / 1 BR UNIT 1.5 SPACES / 2 BR UNIT = 299 PARKING SPACES |
| PARKING TARGET | 1.5 SPACES / UNIT = 336 PARKING SPACES |
| PARKING PROVIDED | 210 STANDARD SPACES + 58 COMPACT SPACES = 268 TOTAL PARKING SPACES = 1.2 SPACES / UNIT |
| PERCENT COMPACT SPACES | 21.6% COMPACT SPACES |
| | |

CIVIL SHEET INDEX

| SHEET NUMBER | SHEET TITLE | |
|--------------|--------------------------|--|
| CA-001 | COVER SHEET | |
| CV-101 | EXISTING CONDITIONS | |
| CS-101 | SITE PLAN | |
| CP-101 | PLANTING PLAN | |
| CP-501 | PLANTING NOTES & DETAILS | |
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MISS UTILITY OF VIRGINIA



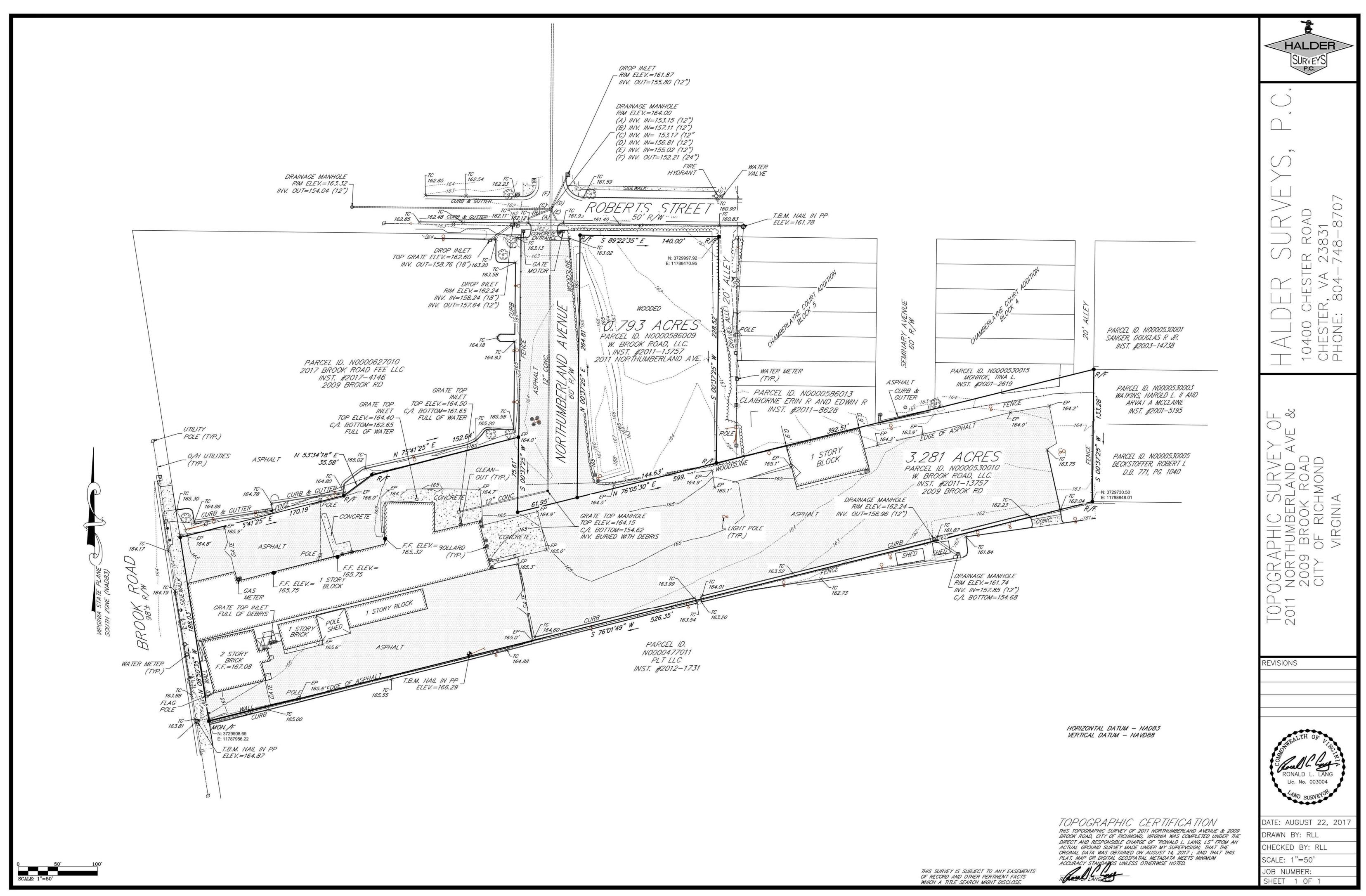
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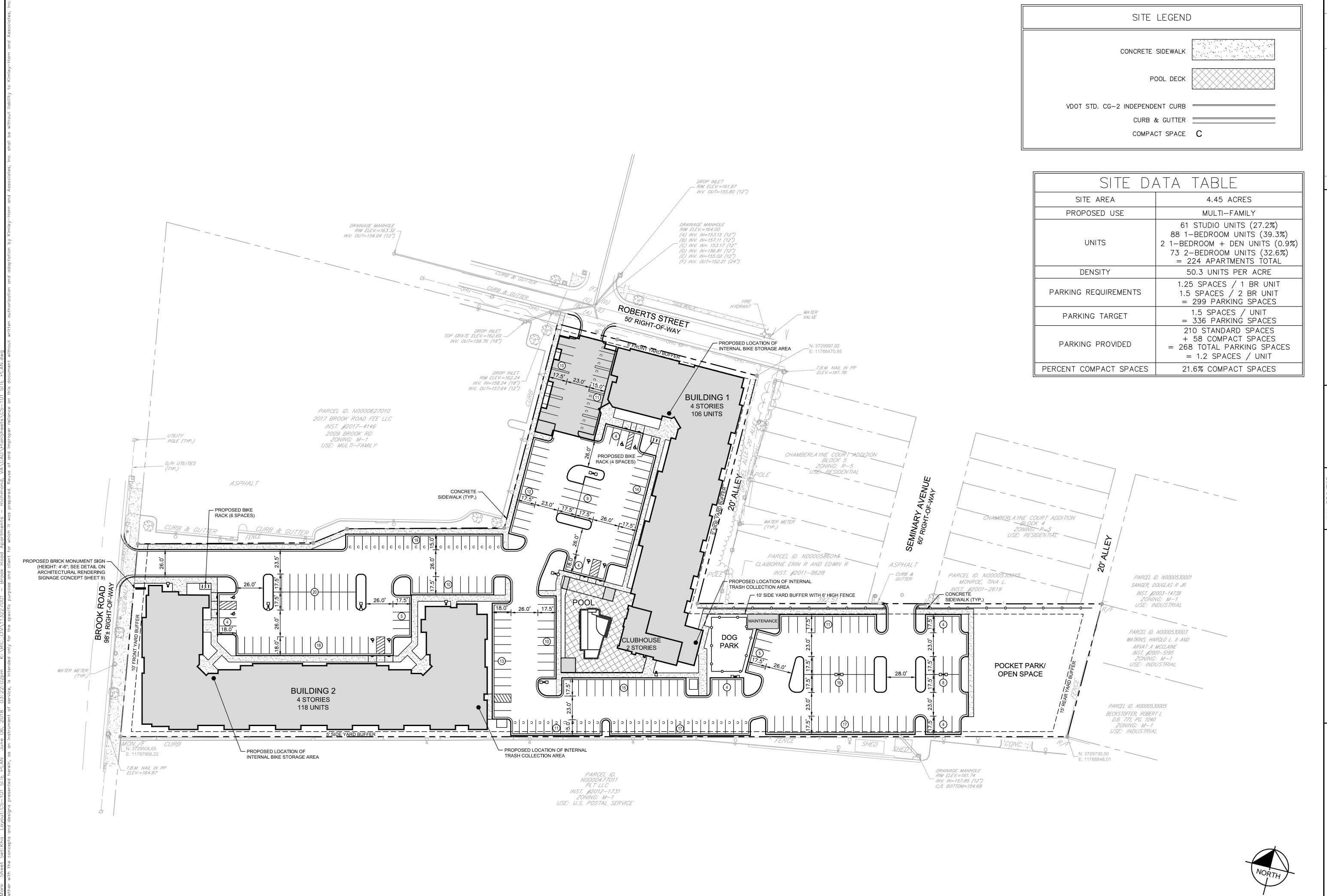
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CITY APPROVAL BLOCK

SHEET NUMBER CA-001





REVISED PER CITY COMMENTS 6/06/18
REVISED PER CITY COMMENTS 4/04/18
REVISIONS DATE

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PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

DATE
12/08/17
SCALE AS SHOWN
DESIGNED BY KRW
DRAWN BY KRW

re Plan

SITE

BROOK ROAD
APARTMENTS
PREPARED FOR

GRAPHIC SCALE IN FEET

SHEET NUMBER
CS-101

LANDSCAPE REQUIREMENTS AND CALCULATIONS PER CITY OF RICHMOND ZONING ORDINANCE

REQUIRED TREE CANOPY COVERAGE

PARKING AREA SERVING A USE OTHER THAN A USE WITH DRIVE-UP FACILITIES OR FACILITIES FOR DISPENSING MOTOR FUELS, OR A PARKING LOT, SHALL HAVE A PROJECTED TREE COVERAGE AREA EQUIVALENT TO NOT LESS THAN 30 SF FOR EACH PARKING SPACE CONTAINED IN THE PARKING AREA OR PARKING LOT.

PARKING SPACES PROVIDED = 247; REQUIRED CANOPY COVER = 247 X 30 OR 8,040 S.F.

TREE CANOPY CALCULATIONS:

19- 2.5" CAL. ROUND-LOBED SWEET GUM AT 250 S.F. = 4,750 S.F. 9- 2.5" CAL. BLOODGOOD LONDON PLANETREE AT 250 S.F. = 2,250 S.F. 5 - 2.5" CAL. ALLEE LACEBARK ELM AT 250 S.F. = 1,250 S.F.

TOTAL 10 YEAR CANOPY COVERAGE = 8,250 S.F.

LANDSCAPE ISLANDS REQUIRED

1 LANDSCAPE ISLAND REQUIRED FOR EACH 15 SPACES FOR THE FIRST 100 PARKING SPACES; PLUS ONE LANDSCAPE ISLAND FOR EVERY 20 ADDITIONAL PARKING SPACES.

FIRST 100 SPACES = 7 ISLANDS REMAINING 147 SPACES = 8 ISLANDS TOTAL ISLANDS REQUIRED = 15 ISLANDS PROVIDED = 25

RESIDENTIAL LOT LINE SCREENING:

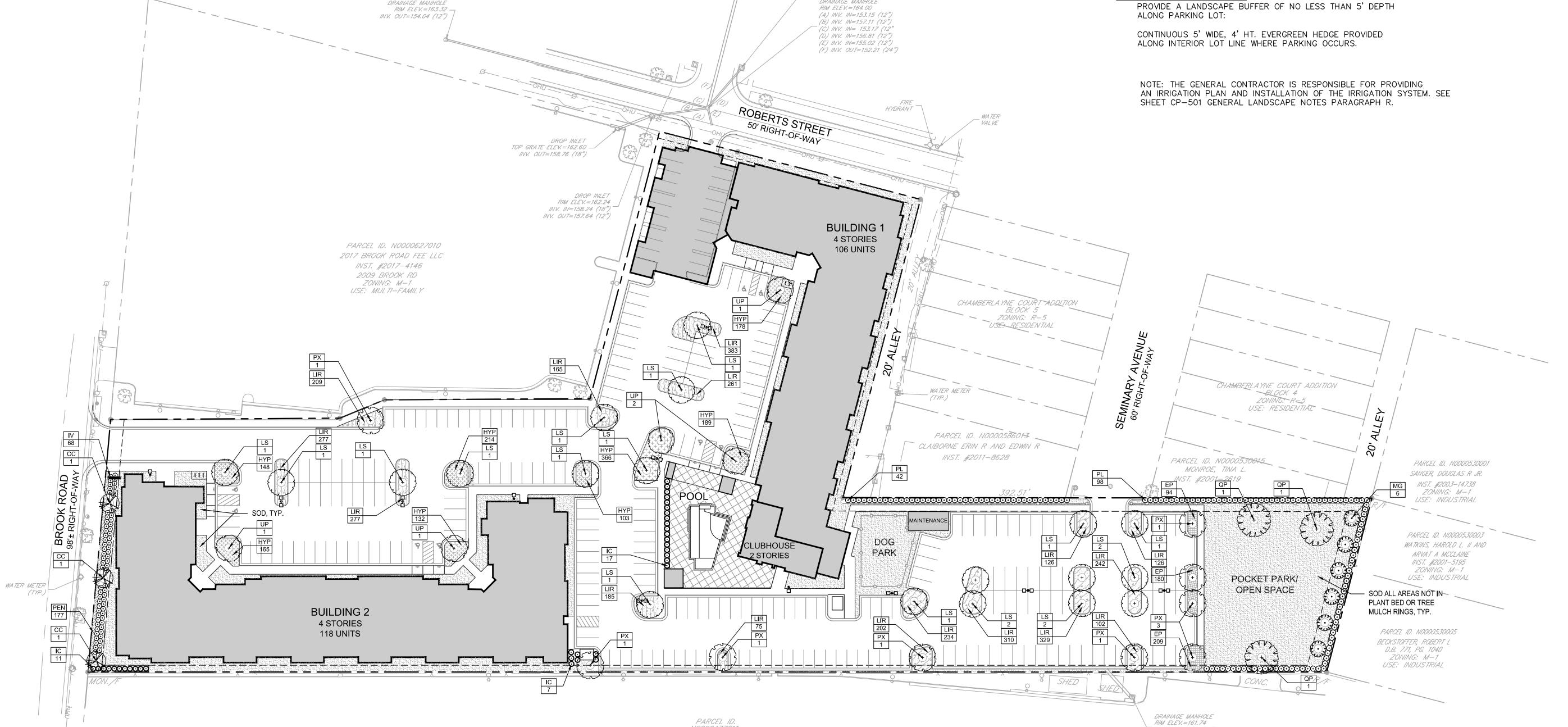
PROVIDE 4' HT. OF SCREENING ALONG PARKING LOT, WITHIN 50' OF R,RO,HO, OR I:

CONTINUOUS 4' HT. EVERGREEN HEDGE PROVIDED ALONG NORTH AND EAST LOT LINE WHERE PARKING OCCURS.

INTERIOR LOT LINE SCREENING:

C/L BOTTOM=154.68

SHEET NUMBER **CP-101**



N0000477011 PLT LLC

INST. #2012-1731 ZONING: M-1 USE: U.S. POSTAL SERVICE (1) SOIL TESTING AND PREPARATION: (2) PROVIDING TOPSOIL AND ALL SOIL AMENDMENTS;

(3) EXCAVATION OF PLANT PITS; (4) PROVIDING ALL PLANT MATERIAL AND MULCH AS INDICATED ON PLANS;

(9) ALL OTHER ITEMS NECESSARY TO MAKE WORK COMPLETE.

(5) FERTILIZING:

(6) STAKING:

(7) CHEMICAL APPLICATION; (8) MAINTENANCE AND GUARANTEE

THE PLANTING CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH THE OTHER CONTRACTORS. THIS PLAN DOES NOT GUARANTEE THE EXISTENCE OR NON-EXISTENCE OF ANY UTILITIES. PRIOR TO ANY CONSTRUCTION, EXCAVATION, OR ROTO-TILLING THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF VERIFYING THE LOCATIONS OF ALL UTILITIES. ABOVE AND/OR BELOW GROUND, PUBLIC AND/OR PRIVATE THAT MAY EXIST AND CROSS THROUGH THE AREAS OF CONSTRUCTION.

(1) SOIL TESTING AND PREPARATION

(1.1) UPON COMPLETION OF ROUGH GRADING AND PRIOR TO COMMENCEMENT OF SOILS PREPARATION WORK THE CONTRACTOR SHALL TAKE SOILS SAMPLES AND OBTAIN AGRONOMIC SOILS TESTS FOR ALL PLANTING AREAS, STOCKPILED TOPSOIL AND IMPORTED TOPSOIL. TESTS SHALL BE PERFORMED BY AN APPROVED AGRONOMIC SOILS TESTING LABORATORY AND SHALL INCLUDE A FERTILITY AND SUITABILITY ANALYSIS WITH WRITTEN RECOMMENDATIONS FOR SOIL PREPARATION, PLANTING BACKELL MIX ALIGER HOLE REQUIREMENTS AND POST PLANT FERTILIZATION PROGRAM THE SOILS REPORT RECOMMENDATIONS WILL TAKE PRECEDENCE OVER THE MINIMUM AMENDMENT AND FERTILIZER APPLICATION RATES SPECIFIED HEREIN ONLY IF THE SOILS REPORT RECOMMENDATIONS EXCEED THE SPECIFIED MINIMUMS. SOILS TEST AND RECOMMENDATIONS SHALL BE SUBMITTED TO THE OWNER AND OWNERS REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO BEGINNING SOILS PREPARATION WORK.

(1.2) BECAUSE OF SOIL COMPACTION DURING CONSTRUCTION, ALL PLANTING, AREAS SHALL BE ROTOTILLED TO A DEPTH AS SHOWN IN DETAILS OR AS SPECIFIED IN WRITTEN SPECIFICATIONS. A PLANTING AREA IS ANY AREA IN WHICH NEW PLANTING OCCURS. EXCAVATE THE ENTIRE AREA BOUNDED BY WALKS, WALLS, FENCES, ETC. REMOVE SPOIL MATERIAL AS DIRECTED BY

(1.3) EXCAVATED SOIL SHOULD BE USED AS BACKFILL MATERIAL IN ORDER TO ELIMINATE OR MINIMIZE THE OCCURRENCE OF HYDROLOGIC DISCONTINUITIES, AND/OR SOIL INTERFACE PROBLEMS COMMON TO PLANTING BEDS CONTAINING SOILS OF DIFFERENT TEXTURE. WHERE THE TEXTURE OF THE EXISTING SOIL IS UNDESIRABLE FOR THE PLANT SPECIES BEING PLANTED (i.e. HEAVY CLAY, PURE SAND) AND WHERE THE pH OF THE EXISTING SOIL IS SUITABLE FOR THE SPECIES BEING PLANTED, THE SOIL SHALL BE BLENDED 66% EXISTING SOIL WITH 33% AMENDED SOIL

(1.4) WHERE IT IS DETERMINED THAT THE EXISTING SOIL EXCAVATED IS TOTALLY LINSUITABLE. FOR LISE AS RACKELL MATERIAL BECAUSE OF IMPROPER PH OR THE PRESENCE OF DEBRIS OR OTHER DELETERIOUS MATTER, THE BACKFILL MATERIAL SHALL BE 100% AMENDED SOIL MIXTURE AS DESCRIBED BELOW WITH THE ADDITION OF 1/2 PART SAND.

AMENDED SOIL: PLANTING SOIL FOR AMENDING BACKFILL SHALL BE 100 % TOPSOIL WITH AMENDMENTS ADDED ACCORDING TO THE RECOMMENDATIONS OF THE SOILS TEST REPORT TO BRING THE pH VALUE OF THE PLANTING BACKFILL MIXTURE WITHIN THE RANGES DESCRIBED BELOW. THE TOPSOIL AND AMENDMENTS SHALL BE MIXED AT AN ON-SITE LOCATION. PLANTING SOIL SHALL NOT BE MIXED AT INDIVIDUAL PLANT LOCATIONS.

(2) TOPSOIL AND ALL SOIL AMENDMENTS

(2.1) NECESSARY QUANTITIES OF TOPSOIL SHALL BE SUPPLIED BY THE CONTRACTOR AND APPROVED BY THE OWNER OR HIS REPRESENTATIVE. THE CONTRACTOR. SHALL APPLY TOPSOIL ONLY AFTER SECURING SOIL TEST (V.P.I.), APPLYING RECOMMENDED TREATMENT THEREOF, AND SUBMITTING FOR APPROVAL

(2.2) ON-SITE TOPSOIL MEETING THE CONDITIONS FOR THESE NOTES MAY BE USED, OR IF INSUFFICIENT QUANTITIES ARE AVAILABLE, OUTSIDE TOPSOIL MEETING THE FOLLOWING CRITERIA SHALL BE PROVIDED.

(2.3) ON-SITE TOPSOIL SHALL BE STOCKPILED TOPSOIL THAT HAS BEEN SALVAGED IN ACCORDANCE WITH SECTION 303.04(A) OF THE V.D.O.T. SPECIFICATIONS. IT SHALL BE FREE FROM REFUSE, OR ANY MATERIAL TOXIC TO PLANT GROWTH, AND REASONABLY FREE FROM SUBSOIL, STUMPS, ROOTS, BRUSH, STONES, CLAY, LUMPS, OR SIMILAR OBJECTS LARGER THAN 3" IN THEIR GREATEST DIMENSION

(2.4) OFF-SITE TOPSOIL, IF NEEDED, SHALL BE TOPSOIL FURNISHED FROM SOURCES OUTSIDE THE PROJECT LIMITS AND SHALL BE THE ORIGINAL TOP LAYER OF A SOIL PROFILE FORMED UNDER NATURAL CONDITIONS, TECHNICALLY DEFINED AS THE "A" HORIZON BY THE SOIL SOCIETY OF AMERICA. IT SHALL CONSIST OF NATURAL, FRIABLE, LOAMY SOIL WITHOUT ADMIXTURES OF SUBSOIL. OR OTHER FOREIGN MATERIALS, AND SHALL BE REASONABLY FREE FROM STUMPS, ROOTS, HARD LUMPS, STIFF CLAY, STONE, NOXIOUS WEEDS, BRUSH, OR OTHER LITTER. IT SHALL HAVE DEMONSTRATED BY EVIDENCE OF HEALTHY VEGETATION GROWING, OR HAVING GROWN ON IT PRIOR TO STRIPPING, THAT IT IS REASONABLY WELL DRAINED AND DOES NOT CONTAIN SUBSTANCES TOXIC TO PLANTS.

(2.4.1) "A" HORIZON: "A" HORIZONS SHALL BE MINERAL HORIZONS CONSISTING OF (1) HORIZONS OR ORGANIC MATTER ACCUMULATION FORMED OR FORMING AT OR ADJACENT TO THE SURFACE; (2) HORIZONS THAT HAVE LOST CLAY, IRON, OR ALUMINUM, WITH RESULTANT CONCENTRATIONS OF QUARTZ OR OTHER RESISTANT MINERALS OF SAND OR SILT SIZE; OR (3) HORIZONS DOMINATED BY 1 OR 2 ABOVE BUT TRANSITIONAL TO AN UNDERLYING B OR C

(2.4.2) "A" HORIZON SUBDIVISIONS: A1 HORIZONS SHALL BE MINERAL HORIZONS, FORMED OR FORMING AT OR ADJACENT TO THE SURFÁCE, IN WHICH THE FEATURE EMPHASIZED IS AN ACCUMULATION OF HUMIDIFIED ORGANIC MATTER INTIMATELY ASSOCIATED WITH THE MINERAL FRACTION. THE SOIL IS A DARK OR DARKER THAN UNDERLYING HORIZONS BECAUSE OF THE PRESENCE OF ORGANIC MATTER. THE ORGANIC MATERIAL IS ASSUMED TO BE DERIVED FROM PLANT AND ANIMAL REMAINS DEPOSITED ON THE SURFACE OF THE SOIL OR DEPOSITED WITHIN THE HORIZON WITHOUT APPRECIABLE TRANSLOCATION. A2 HORIZONS SHALL BE MINERAL HORIZONS IN WHICH THE FEATURE EMPHASIZED IS LOSS OF CLAY, IRON OR ALUMINUM, WITH

RESULTANT CONCENTRATION OF QUARTZ OR OTHER RESISTANT MINERALS. IN SAND AND SILT SIZES (2.4.3) "A" HORIZON TOPSOIL CONTENT: "A" HORIZON TOPSOIL SHALL BE IN ACCORDANCE WITH THE FOLLOWING MATERIALS BY

SILT 42-58% SAND 15-20% CLAY 15-20%

ORGANIC MATERIAL 12-18%

PERCENTAGE OF VOLUME:

(2.5) TOPSOIL SHALL HAVE A pH IN THE RANGE OF 6.0 TO 7.0 PRIOR TO MIXING WITH AMENDMENTS. IF THE pH IS NOT WITHIN THIS RANGE, THE PH SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE OR A DIFFERENT SOURCE OF SUPPLY SHALL BE SELECTED. TOPSOIL SHALL BE SUBJECT TO INSPECTION BY THE OWNER OR THE OWNER'S REPRESENTATIVE AT THE SOURCE OF SUPPLY AND IMMEDIATELY PRIOR TO USE IN THE PLANTING OPERATIONS.

(2.6) PLANTING SOIL AFTER AMENDING FOR DECIDUOUS PLANTS SHALL HAVE A DHIVALUE BETWEEN 6.0 AND 7.0. AND FOR EVERGREEN OR SEMI-EVERGREEN PLANTS. SHALL HAVE A PH VALUE BETWEEN 5.0 AND 6.0. A REPRESENTATIVE SAMPLE FROM THE EXCAVATED SOIL SHALL BE TESTED FOR pH BY THE SOILS TESTING LABORATORY PERFORMING AGRONOMIC SOILS TESTING. THE pH VALUE OF THE NATURAL SOIL BACKFILL MIXTURE SHALL BE AMENDED PER THE RECOMMENDATIONS OF THE SOILS

(3) EXCAVATION OF PLANT PITS

(3.1) PRIOR TO EXCAVATION OF TREE PITS, AN AREA EQUAL TO TWO TIMES THE DIAMETER OF THE ROOT BALL SHALL BE ROTO-TILLED TO A DEPTH EQUAL TO THE DEPTH OF THE ROOT BALL

(3.2) IN CONTINUOUS SHRUB AND GROUND COVER BEDS. THE ROTO-TILLED PERIMETER SHOULD EXTEND TO A DISTANCE OF ONE FOOT BEYOND THE DIAMETER OF A SINGLE ROOTBALL. THE BED SHALL BE TILLED TO A DEPTH EQUAL TO THE ROOT BALL DEPTH

(3.3) TREE PITS FOR WELL DRAINED SOILS SHALL BE DUG SO THAT THE BOTTOM OF THE ROOT BALL WILL REST ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL WILL BE FLUSH WITH FINISH GRADE. IN POORLY DRAINED SOILS THE TREE PIT SHALL BE DUG SO THAT THE ROOT BALL RESTS ON UNDISTURBED SOIL AND THE TOP OF THE ROOT BALL IS 1" ABOVE FINISH GRADE. PLANT PIT WALLS SHALL BE SCARIFIED PRIOR TO PLANT INSTALLATION.

(3.4)SHRUB BEDS SHALL BE EXCAVATED TO 6" BELOW THE ROOT BALL OF THE SHRUB.

(3.5) ALL AIR POCKETS SHALL BE REMOVED FROM PLANT PIT UPON BACK FILLING WITH PLANTING SOIL BY FILLING APPROXIMATELY 1/2 TO 2/3 OF THE PIT WITH PLANTING BACKFILL MATERIAL, TAMPING BACKFILL MATERIAL AND THEN WATERING O ENSURE SETTLEMENT OF THE MATERIAL. BACKFILL MATERIAL SHALL THEN BE PLACED WITHIN THE REMAINING CAVITIES OF THE PLANT PIT, TAMPING AND WATERED AGAIN TO ENSURE SETTLEMENT OF THE BACKFILL MATERIAL. UNDER NO CIRCUMSTANCES SHALL ANY SOIL OR BACKFILL MATERIAL BE APPLIED ABOVE THE ROOT BALL OF THE PLANTS.

(3.6) GROUND COVERS SHALL BE PLANTED IN BEDS HAVING A MINIMUM DEPTH. OF 4" BELOW THE PROPOSED ROOT DEPTH PLANTS SHALL BE EVENLY SPACED AND SET TO MAINTAIN THE ORIGINAL GROWING DEPTH WHILE ALLOWING FOR A 2" TOP

(4) PLANT MATERIAL AND MULCH

(4.1) THE NAMES OF PLANTS REQUIRED UNDER THIS CONTRACT CONFORM TO THOSE GIVEN IN L.H. BAILEY'S HORTUS THIRD 1976 EDITION. NAMES OF VARIETIES NOT INCLUDED THEREIN CONFORM GENERALLY WITH NAMES ACCEPTED IN THE NURSERY TRADE. ALL PLANTS SHALL HAVE A HABIT OF GROWTH THAT IS NORMAL FOR THEIR SPECIES AND THEY SHALL BE SOUND, HEALTHY AND VIGOROUS, WITH WELL DEVELOPED ROOT SYSTEMS. ALL PLANT MATERIAL SHALL BE FREE FROM INSECT PESTS, PLANT DISEASES, AND INJURIES. ALL PLANTS SHALL EQUAL OR EXCEED THE MEASUREMENTS SPECIFIED IN THE PLANT LIST, WHICH ARE MINIMUM ACCEPTABLE SIZES. TREES SHALL HAVE SINGLE TRUNKS EXCEPT AS NOTED. ALL SHRUBS SHALL BE HEALTHY, VIGOROUS, AND OF GOOD COLOR. ONLY DAMAGED OR BROKEN BRANCHES OF PLANT MATERIAL MAY BE PRUNED AND ANY NECESSARY PRUNING SHALL BE DONE AT THE TIME OF PLANTING. HOWEVER, UNDER NO CIRCUMSTANCES SHALL THE

(4.2) ALL TAGS. STRINGS OR ANY OTHER MATERIAL ATTACHED TO THE PLANTS. SHALL BE REMOVED AT THE TIME OF THE PLANTING. BALLING AND BURLAPPING OF PLANTS SHALL FOLLOW THE CODE OF STANDARDS CURRENTLY RECOMMENDED BY

(4.3) SUBSTITUTIONS WILL BE PERMITTED ONLY UPON SUBMISSION OF PROOF THAT ANY PLANT IS NOT OBTAINABLE. ALL SUBSTITUTIONS MUST BE AUTHORIZED BY THE OWNER OR THE OWNER'S REPRESENTATIVE IN WRITING PROVIDING FOR USE OF THE NEAREST EQUIVALENT OBTAINABLE SIZE OR VARIETY OF PLANT HAVING THE SAME ESSENTIAL CHARACTERISTICS AS THE ORIGINAL VARIETY WITH AN EQUITABLE ADJUSTMENT OF CONTRACT PRICE.

(4.4) BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF EARTH OF SUFFICIENT DIAMETER AND DEPTH TO ENCOMPASS THE FIBROUS AND FEEDING ROOT SYSTEM NECESSARY FOR FULL RECOVERY OF THE PLANT. BALLS SHALL BE FIRMLY WRAPPED WITH BURLAP OR SIMILAR MATERIAL AND BOUND WITH TWINE OR CORD. BURLAP SHALL NOT BE PULLED OUT FROM UNDER BALLS DURING PLANTING OPERATIONS, B&B PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY ON DELIVERY SHALL BE COVERED WITH MOIST SOIL, MULCH, OR OTHER MATERIAL TO PROVIDE PROTECTION FROM DRYING

(4.5) PLANTS NOTED "CONTAINER" ON THE PLANT LIST MUST BE CONTAINER GROWN WITH WELL ESTABLISHED ROOT SYSTEMS LOOSE CONTAINERIZED PLANT MATERIAL. WILL NOT BE ACCEPTED. ALL PLANTS INJURED AND PLANTS WITH ROOT BALLS BROKEN. DURING TRANSPORT OR PLANTING OPERATIONS WILL BE REJECTED. BARE-ROOTED PLANTS (BR) SHALL BE PLANTED OR HEELED-IN IMMEDIATELY UPON DELIVERY. ALL PLANTS SHALL BE WATERED AS NECESSARY UNTIL PLANTED

4.6) NEW PLANTINGS SHALL BE LOCATED WHERE SHOWN ON THE PLAN EXCEPT. WHERE OBSTRUCTIONS BELOW GROUND ARE ENCOUNTERED OR WHERE CHANGES HAVE BEEN MADE IN THE PROPOSED CONSTRUCTION. NECESSARY ADJUSTMENTS SHALL BE MADE ONLY AFTER APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE. REASONABLE CARE SHALL BE EXERCISED TO HAVE PLANTING PITS DUG AND SOIL PREPARED PRIOR TO MOVING PLANTS TO THEIR RESPECTIVE LOCATIONS TO ENSURE THAT THEY WILL NOT BE UNNECESSARILY EXPOSED TO DRYING OR PHYSICAL DAMAGE

(4.7) A LIST OF PLANTS, INCLUDING SIZES, QUANTITIES AND OTHER REQUIREMENTS, IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE QUANTITIES AS SHOWN ON THE DRAWINGS. IF DISCREPANCIES OCCUR IN THE QUANTITIES SHOWN, THE PLANTING PLANS SHALL GOVERN.

(4.8) THE PLANTING CONTRACTOR WILL BE NOTIFIED BY THE GENERAL CONTRACTOR WHEN OTHER DIVISIONS OF THE WORK HAVE PROGRESSED SUFFICIENTLY TO COMMENCE WORK ON THE PLANTING OPERATION. THEREAFTER, PLANTING OPERATIONS SHALL BE CONDUCTED UNDER FAVORABLE WEATHER CONDITIONS DURING THE NEXT SEASON OR SEASONS WHICH ARE NORMAL FOR SUCH WORK, REMOVAL OF ROCK OR OTHER UNDERGROUND OBSTRUCTIONS, RELOCATIONS TO AVOID OBSTRUCTIONS, AND PROVISION OF DRAINAGE FOR PLANTING AREAS SHALL BE DONE ONLY AS APPROVED BY THE OWNER OR

(4.9) ALL PLANTS SHALL BE PLANTED UPRIGHT AND FACED TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT STRUCTURES ROOTS SHALL BE SPREAD IN THEIR NORMAL POSITION, ALL BROKEN OR FRAYED ROOTS SHALL BE CUT OFF CLEANLY PLANTS WITH CIRCLING ROOTS SHALL NOT BE ACCEPTED BURLAP TWINE AND OTHER FASTENING MATERIAL SHALL BE CUT AND PUSHED TO THE BOTTOM OF THE PLANT PIT PRIOR TO BACKFILL MATERIAL BEING PLACED. THE PLANT SHALL NOT BE ROCKED BACK AND FOURTH TO ENTIRELY REMOVE THE WRAPPING MATERIAL NOR SHALL ANY OTHER PRACTICE BE PERFORMED WHICH COULD CAUSE THE ROOT BALL TO BREAK APART. WHEN WIRE BASKETS ARE USED ON THE ROOT BALL OF PLANTS THE WIRE SHALL BE REMOVED TO AT LEAST 12" BELOW THE TOP OF THE ROOT BALL.

(4.10) AT THE TIME OF PLANTING, AND AS MANY TIMES LATER AS SEASONAL CONDITIONS REQUIRE, EACH PLANT AND THE SOIL AROUND IT SHALL BE THOROUGHLY WATERED. CARE SHOULD BE EXERCISED WHEN VATERING TO AVOID FLOODING OF PLANTS AND BEDS. DISPLACEMENT OF MULCH MATERIAL AND EROSION OF SOIL. AVOID USE OF HIGH PRESSURE HOSES. THE CONTRACTOR SHALL MAKE, AT HIS EXPENSE WHATEVER ARRANGEMENTS MAY BE NECESSARY TO ENSURE AN ADEQUATE SUPPLY OF WATER TO MEET THE NEEDS OF THIS CONTRACT DURING INSTALLATION. THE CONTRACTOR SHALL ALSO, FURNISH ALL NECESSARY HOSE, EQUIPMENT ATTACHMENTS AND ACCESSORIES FOR THE ADEQUATE WATERING OF PLANTED AREAS AS MAY BE REQUIRED UNTIL ACCEPTANCE BY THE OWNER OR THE OWNER'S

(4.11) MULICH SHALL BE CLEAN, GROLIND OR SHREDDED BARK OR HARDWOOD, MULICH, IN PLANTING AREAS WHERE SLOPES EXCEED 3:1 AND AT DRAINAGE DISPERSION POINTS OR ALONG NATURAL WATER WAYS WHERE CONCENTRATIONS OF SURFACE WATER EMPTY FROM CULVERTS OR PAVED DITCHES, HEAVY JUTE MESH SHALL BE INSTALLED. SHREDDED HARDWOOD OR BARK MULCH SHALL HAVE BEEN COMPOSTED FOR AT LEAST TWO MONTHS PRIOR TO APPLICATION. FRESHLY GROUND MULCH WILL NOT BE ACCEPTED. FINELY GROUND MULCH WHICH INHIBITS DRAINAGE, ENCOURAGES WEED GROWTH OR BECOMES

WATERLOGGED WILL NOT BE ACCEPTED. MULCH SHALL BE COMPOSED OF SIMILAR SIZED FRAGMENTS AND SHALL NOT CONTAIN STICKS, CONES, LEAVES, UNSHREDDED, PIECES, OR OTHER DELETERIOUS MATTER. ALL AZALEA AND CAMELLIA PLANTING BEDS SHALL HAVE 1" OF PINE STRAW MULCH UNDER 2" OF BARK OR

(4.12) ALL PLANTS SHALL BE MULCHED IMMEDIATELY AFTER PLANTING. GROUND COVERS SHALL BE MULCHED WITH A 2" LAYER OF SHREDDED HARDWOOD OR BARK MULCH, ALL OTHER PLANTING BEDS SHRUBS AND TREE PLANTINGS SHALL BE MULCHED WITH A 3" MINIMUM LAYER OF MULCH. THIS MULCH SHALL ENTIRELY COVER THE AREA OF THE PLANTING PIT, BED, OR EARTH BERM AROUND EACH PLANT WITH THE EXCEPTION OF THE AREA IMMEDIATELY ADJACENT TO THE PLANT TRUNK OR TRUNKS. THE AREA IMMEDIATELY ADJACENT TO THE PLANT TRUNK OR TRUNKS SHALL BE LEFT FREE OF ANY MULCH.

(5) FERTILIZING

(5.1) THE FERTILIZER SHOULD BE A DRY SLOW RELEASE FORM OF FERTILIZER. IT SHOULD CONTAIN AT LEAST 25-50% WATER INSOLUBLE NITROGEN. THE FERTILIZER SELECTED SHOULD ALSO HAVE A LOW ADJUSTED SALT INDEX TO PREVENT BURNING. THE N-P-K RATIO SHOULD NOT EXCEED 3-1-2 UNLESS THE SOIL TEST REVEALS THAT ADDITIONAL LEVELS OF P AND K ARE NECESSARY

(5.2) FOR DECIDUOUS TREES, USE OSMOCOTE (18-6-12) AT THE RATE EQUIVALENT TO 4 LBS ACTUAL N/1000 SQ FT OF ROOT ZONE AREA/YEAR. FOR EVERGREEN TREES USE 2 LBS ACTUAL N/1000 SQ FT OF ROOT ZONE

(5.3) MIX THE FERTILIZER INTO THE BACKFILL SOIL OF THE TREE PITS. FOR SHRUB BEDS, MIX THE FERTILIZER INTO THE AREA THAT HAS BEEN ROTO-TILLED FOR THE PLANTS

5.4) THE FERTILIZER RATE FOR CONTINUOUS GROUND COVER AND SHRUB BEDS. SHOULD BE DERIVED BY CALCULATING THE ENTIRE ROOT ZONE AREA. THE ROOT ZONE, AREA IS FOUND BY MEASURING THE AREA. CONTAINING THE MULTIPLE PLANT ROOTS. USE OSMOCOTE (18-6-12) AT A RATE EQUIVALENT TO 2 LBS OF N /1000 SQ FT OF ROOT ZONE AREA. THE FERTILIZER SHOULD BE EVENLY DISTRIBUTED WITHIN THE SHRUB

(5.5) ALWAYS BE SURE THAT ADEQUATE MOISTURE IS AVAILABLE WHEN FERTILIZING SO THAT THE FERTILIZER WILL BE DISSOLVED INTO THE SOIL SOLUTION FOR ROOT UPTAKE AND TO AVOID BURNING THE

(6.1) ALL TREES SHALL BE STAKED ACCORDING TO THE TYPICAL DETAILS PROVIDED.

(6.2) TREE STAKING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. (7) CHEMICAL APPLICATION

(7.1) ALL PESTICIDES SHALL BE PRODUCTS OF RECOGNIZED COMMERCIAL MANUFACTURERS, AND SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL PESTICIDE LAWS. PESTICIDES SHALL BE APPLIED WITH CALIBRATED EQUIPMENT ACCORDING TO EPA LABEL RESTRICTIONS AND REGULATIONS BY A CERTIFIED APPLICATOR. ANY DAMAGE INCURRED TO THE SITE, ADJACENT PROPERTIES, OR APPLICATOR DURING PESTICIDE APPLICATIONS WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

(7.2) PESTICIDES SHOULD BE USED ONLY WHEN NECESSARY TO TREAT AN OUTBREAK OF A HARMFUL PEST OR DISEASE PROBLEM. THE OWNER OR THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED 24 HOURS PRIOR TO THE APPLICATION OF ANY PESTICIDE. (8) MAINTENANCE AND GUARANTEE

(8.1) THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING HIS WORK FOR THE PERIOD OF TWO YEARS AFTER ACCEPTANCE BY THE OWNER OR THE OWNER'S REPRESENTATIVE. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, CULTIVATING, MULCHING, REMOVAL OF DEAD MATERIALS, RESETTING OF PLANTS TO PROPER GRADES OR UPRIGHT POSITIONS, RESTORATION OF EARTH BERMS, AND OTHER NECESSARY OPERATIONS, ADEQUATE PROTECTION FOR LAWN AREAS AGAINST TRESPASSING DURING PLANTING OPERATIONS AND AGAINST DAMAGE OF ANY KIND SHALL BE PROVIDED. NOTHING IN THESE NOTES IS INTENDED TO RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO REPAIR EXISTING LAWN AREAS DAMAGED BY WORKMEN ENGAGED IN THE COMPLETION OF THIS PROJECT.

(8.2) INSPECTION OF THE WORK TO DETERMINE COMPLETION OF THE CONTRACT EXCLUSIVE OF THE POSSIBLE REPLACEMENT OF PLANTINGS. WILL BE MADE BY THE OWNER OR THE OWNER'S REPRESENTATIVE AT THE CONCLUSION OF THE INSTALLATION PERIOD. UPON WRITTEN NOTICE REQUESTING SUCH INSPECTION. REQUEST SHALL BE SUBMITTED BY CONTRACTOR AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED DATE FOR INSPECTION. AFTER INSPECTION, THE CONTRACTOR WILL BE NOTIFIED IN WRITING BY THE OWNER OR THE OWNER'S REPRESENTATIVE OF ACCEPTANCE OF THE WORK, EXCLUSIVE OF THE POSSIBLE REPLACEMENT OF PLANTS SUBJECT TO GUARANTEE: OR. IF THERE ARE ANY DEFICIENCIES. THE CONTRACTOR WILL BE NOTIFIED OF THE REQUIREMENTS NECESSARY FOR COMPLETION OF THE WORK. PLANTINGS SHALL NOT BE CONSIDERED ACCEPTED UNTIL ALL DEFICIENCIES

(8.3) NURSERY STOCK SHALL BE FULLY GUARANTEED FOR TWO FULL YEARS. ALL PLANTS THAT FAIL TO MAKE NEW GROWTH FROM A DORMANT CONDITION OR THAT DIE DURING THE FIRST YEAR AFTER PLANTING SHALL BE REPLACED. ALL REPLACEMENTS. SHALL CONFORM WITH THE ORIGINAL SPECIFICATIONS AS TO SIZE AND TYPE. ALL COSTS OF REPLACEMENTS SHALL BE BORNE BY THE CONTRACTOR (9) ALL OTHER ITEMS NECESSARY TO MAKE WORK COMPLETE

9.1) ANY PLANT MATERIAL NOT PLANTED SHALL BE REMOVED FROM THE SITE. $\,$ THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNUSED RUBBISH AND DEBRIS FROM THE SITE UPON

(10) PERMANENT SEEDING SHALL ONLY APPLY TO DISTURBED AREAS NOT INDICATED TO RECEIVE SOD. (10.1) TOPSOILING: WHERE TOPSOIL IS REQUIRED ON ADVERSE SOIL CONDITIONS. A MINIMUM OF FOUR INCHES OF TOPSOIL SHOULD BE USED. THE TOPSOIL SHOULD CONTAIN A MINIMUM OF 35% FINE GRAINED MATERIAL (SILT AND CLAY AND 1.5% + ORGANIC MATTER).

(10.2) LIME AND FERTILIZER

HAVE BEEN CORRECTED AND APPROVED IN WRITING.

A. LIME - APPLY GROUND LIMESTONE OR B. LIME - APPLY PULVERIZED AGRICULTURAL LIMESTONE OR EQUIVALENT AT THE RATE OF 2 TONS PRE C. FERTILIZER - 500 POUNDS PER ACRE OF 10-20-10 FERTILIZER OR EQUIVALENT

IF SOILS ARE UNIFORM, IT IS DESIRABLE TO HAVE LIME AND FERTILIZER RECOMMENDATIONS BASED ON SOIL TESTS. THE LIME AND FERTILIZER SHOULD BE DISKED OR WORKED INTO A GOOD SEEDBED TO A DEPTH OF THREE TO FOUR INCHES.

(10.3) SPRING AND FALL SEEDING: SEED ONE OF THE FOLLOWING VARIETIES AT THE SPECIFIED RATES PER ACRÉ FOR TURF AREAS SEEDED IN THE SPRING OR FALL (SEE SPECIFIED SEEDING DATES BELOW):

AUGUST 1 TO NOVEMBER 1 FALL SEEDING:

NOTE: PREFERRED FESCUE SEEDING DATES ARE FROM AUGUST 1 TO NOVEMBER 1

SPRING SEEDING DATES WOULD BE FROM FEBRUARY 28, TO MAY 15.

(1) FESCUE SHALL BE SELECTED FROM ONE OF THE FOLLOWING VARIETIES 2ND MILLENNIUM, AVENGER, BILTMORE, BINGO, BLACKWATCH, BRAVO, COCHISE II(3), COCHISE III, CONSTITUTION, COYOTE II, CROSSFIRE II(3.4), DAVINCI(3), DAYTONA(3), ENDEAVOR(3), FALCON IV, FIDELITY FORTE, GOOD-EN(3,4), GRANDE(4), GRANDE II, GREENKEEPER WAF, GUARDIAN 21, HOUNDOG 5, HUNTER, INFERNO, JUSTICE, MAGELLAN, MASTERPIECE, MATADOR(3), MATADOR GT(3), ONYX(3,4), PADRE, PICASSO(3) PENN 1901, RAPTOR, REBEL EXEDA, REGIMENT II, REMBRANDT(3), SOUTHERN CHOICE II(3), SR 8250(3), TAOS TARHEEL, TARHEEL II, TEMPEST, TITANIUM, TOMBSTONE, TURBO, ULTIMATE(3), WATCHDOG, AND WOLFPACK

(10.4) SEED WITH THE FOLLOWING MIXTURE(S) FOR SPECIFIED DATES OUTSIDE THOSE LISTED ABOVE:

2 LBS./1000 SQ. FT.(HULLED SEED) SPRING SEEDING: 7 LBS./1000 SQ. FT. (UNHULLED BERMUDA SEED FALL SEEDING: AND 5 LBS./1000 SQ. FT. WINTER RYE (LOLLIUM MULTIFLORUM)

(2) ONLY THE FOLLOWING VARIETIES OF BERMUDA SHALL BE ACCEPTABLE: BLACKJACK, CONTINENTAL, PRINCESS 77, RIVIERA, YUKON OR SAVANNAH. SEED SHALL HAVE A MINIMUM PURITY OF 95% AND AN 85% GERMINATION RATE.

A. MULCH WITH ANY OF THE MATERIALS LISTED BELOW AND AT THE RATE INDICATED. SPREADING SHOULD BE UNIFORM AND AT A RATE THAT PERMITS NO MORE THAN 25-50% OF THE GROUND SHOWING THROUGH THE MULCH.

B. MULCHING IS SPECIFICALLY REQUIRED ON ALL SOILS EXCEEDING 25% SLOPE STRAW - 1 TO 2 TONS/ACRE DEPENDING ON SEASON AND METHOD OF APPLICATION. WOOD FIBER MATERIALS - 1,000 LBS. PER ACRE.

A. IRRIGATION - IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS AND PLANTINGS WITH ADEQUATE WATER FOR PLANT GROWTH UNTIL THEY ARE FIRMLY ESTABLISHED. REPAIR - INSPECT ALL AREAS FOR PLANTING FAILURES AND MAKE NECESSARY REPAIRS,

REPLACEMENTS, AND RESEEDING WITH THE PLANTING SEASON IF POSSIBLE . LIME AND FERTILIZER - SHALL BE APPLIED UNDER A REGULAR PROGRAM THAT IS BASED ON SOIL FERTILITY TESTS AND ON THE USE AND GENERAL APPEARANCE OF THE VEGETATIVE COVER DURING SUBSEQUENT GROWING SEASONS.

ALL AREAS WITHIN THE LIMITS OF CONSTRUCTION THAT ARE NOT OTHERWISE COVERED BY BUILDINGS, PAVEMENT, SIDEWALKS, WOODED AREAS AND PLANTING / MULCHED BEDS OR OTHERWISE CALLED OUT AS SOD LAWN AREAS SHALL BE SEEDED PER THE PERMANENT SEEDING SPECIFICATIONS IN THE PRECEDING

SEEDED AREAS WILL ONLY BE ACCEPTED AFTER DISTURBED AREAS ARE COMPLETELY COVERED IN A DENSE LAWN CONSISTING OF THE SPECIFIED PERMANENT GRASS.

SODDING NOTES:

(1) VEGETATIVELY PROPAGATED SOD ONLY FROM VARIETIES THAT HAVE PROVEN SUCCESSFUL IN THE PROJECT VICINITY SHALL BE SELECTED FROM VARIETIES AS RECOMMENDED IN THE LATEST EDITION OF THE VIRGINIA TURFGRASS VARIETY RECOMMENDATIONS AVAILABLE FROM VIRGINIA COOPERATIVE EXTENSION, VIRGINIA TECH, VIRGINIA STATE UNIVERSITY.

(2) TURF TYPE TALL FESCUE SOD IS THE PREFERRED SOD. SOD VARIETY AND SPECIES SHALL BE APPROVED IN WRITING BY THE OWNER PRIOR TO PURCHASE AND CUTTING OF THE SOD.

(3) SOD SHALL NOT BE INSTALLED DURING PERIODS WHEN THE GROUND IS FROZEN, EXCESSIVELY WET OR MUDDY, OR WHEN THE SOD IS NOT ACTIVELY GROWING AND ABLE TO ESTABLISH ITSELF BEFORE PERIODS OF FREEZING TEMPERATURES OR PERIODS OF DROUGHT SET IN WITHOUT THE WRITTEN APPROVAL OF THE OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE. DURING SUCH TIMES AS WHEN SOD OR PERMANENT LAWN SEED CANNOT BE ESTABLISHED DUE TO ADVERSE WEATHER CONDITIONS THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TEMPORARY VEGETATIVE COVER AND GROUND STABILIZATION AS REQUIRED BY 9VAC25-870-54 OF THE VIRGINIA ADMINISTRATIVE CODE..

(4) PRIOR TO LAYING SOD CONTRACTOR SHALL PROVIDE 4 INCHES OF TOPSOIL AS SPECIFIED ON ALL AREAS TO RECEIVE SEED OR SOD LAWN AREAS.

(5) THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

(6) THE SOD SHALL BE CERTIFIED TO MEET LOCAL STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.

(7) SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS. PAVED AND PLANTED AREAS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF. IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

(8) DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STORED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE. SOD SHALL NOT BE LEFT STACKED OR ROLLED.

(9) LAWN MAINTENANCE

(10) WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LAWN TO INCLUDE BUT NOT LIMITED TO WATERING, WEEDING, AND FERTILIZING AS NECESSARY AS WELL AS THE REPAIR AND RE-SODDING OF ALL ERODED. SUNKEN OR BARE SPOTS (LARGER THAN 12"X12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER OR OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).

(11) CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN FOR A PERIOD OF TWO YEARS UNTIL ACCEPTANCE BY THE OWNER OR OWNER'S REPRESENTATIVE

CONTRACTOR SHALL REVIEW ALL DRAWINGS, SPECIFICATIONS, PERMITS, AND REGULATORY REQUIREMENTS PRIOR TO COMMENCEMENT OF WORK.

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED LANDSCAPING AND IRRIGATION

CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED SITE ELEMENTS AND NOTIFY OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES. SURVEY DATA OF EXISTING CONDITIONS WAS PROVIDED BY THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES

DURING CONSTRUCTION. AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" OF VIRGINIA @ 1-800-552-7001 FOR PROPER IDENTIFICATION OF EXISTING UTILITIES WITHIN THE PROJECT SITE

FINAL LOCATION OF ALL PLANTINGS SHALL BE DETERMINED IN THE FIELD BY THE OWNER'S CHOSEN REPRESENTATIVE

SUBSTITUTIONS AND/OR MODIFICATIONS TO PLANTING LAYOUT, PLANT MATERIALS, ETC. SHALL NOT BE MADE WITHOUT THE WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.

SPECIFICATIONS JOINTLY ADOPTED BY THE VIRGINIA NURSERYMEN'S ASSOCIATION. THE VIRGINIA

G. CONTRACTOR SHALL INSTALL ALL PLANT MATERIALS AS SHOWN IN THE DETAILS, AND AS INDICATED IN THE LANDSCAPE SPECIFICATIONS. THE PLANTING OF TREES SHALL BE DONE IN ACCORDANCE WITH THE STANDARDIZED LANDSCAPE

SOCIETY OF LANDSCAPE DESIGNERS AND THE VIRGINIA CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS. SIZE AND GRADING STANDARDS OF PLANT MATERIALS SHALL CONFORM TO THE LATEST ADDITION OF

ANSI Z60.1, AMERICAN STANDARD FOR NURSERY STOCK, BY THE AMERICAN NURSERY AND LANDSCAP ALL PLANT MATERIALS SHALL BE NURSERY GROWN STOCK AND SHALL BE FREE OF ANY DEFORMITIES,

DISEASES, OR INSECT DAMAGE. ANY MATERIALS WITH DAMAGED OR DISFIGURED/ CROOKED LEADERS. BARK ABRASIONS, SUNSCALD, INSECT DAMAGE, ETC., ARE NOT ACCEPTABLE AND WILL BE REJECTED. K. TREES NOT EXHIBITING A CENTRAL LEADER WILL BE REJECTED UNLESS CALLED OUT IN THE PLANT LIST

ALL PLANTING BEDS AND LAWN AREAS SHALL BE SEPARATED BY SHOVEL EDGING. NO EDGE SHALL BE INSTALLED ADJACENT TO SIDEWALKS OR CURBS.

M. PLANTING BEDS SHALL RECEIVE 3" OF DARK, SHREDDED HARDWOOD MULCH THROUGHOUT. ORANGE AND/ OR RED MULCH IS NOT ACCEPTABLE.

ALL AREAS ON PLANS NOT INDICATED TO RECEIVE SOD PLANTING, PAVEMENT, OR HARDSCAPE WHICH

ARE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE SEEDED WITH FESCUE, UNLESS OTHERWISE

DIRECTED BY THE LANDSCAPE ARCHITECT. SEE SEEDING NOTES THIS SHEET. O. PLANT MATERIALS SHOWN ON PLANS ARE A GRAPHIC REPRESENTATION ONLY. CONTRACTOR SHALL PERFORM ALL LANDSCAPE INSTALLATION ON THE SUBJECT PROPERTY, AND NOT ON ADJACENT PROPERTIES, UNLESS OTHERWISE DIRECTED BY THE OWNER OR THE OWNER'S REPRESENTATIVE ROOTBALLS OF SHRUBS AND TREES SHALL BE PLANTED, IN THEIR ENTIRETY, WITHIN THE BOUNDARIES OF

P. CONTRACTOR SHALL PROVIDE A MINIMUM 2% SLOPE AWAY FROM ALL STRUCTURES, UNLESS OTHERWISE

DIRECTED BY THE CIVIL ENGINEER QUANTITY TAKE-OFFS INDICATED ON THE PLANTING SCHEDULE ARE FOR CONVENIENCE ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLANS AND THE SCHEDULE, THE GRAPHIC REPRESENTATION IN THE PLANS SHALL DICTATE.

R. ALL LANDSCAPED AND LAWN AREAS ARE TO BE IRRIGATED.

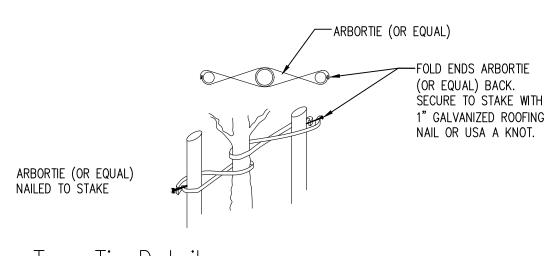
S. SEE CIVIL DRAWINGS FOR TOPSOIL AND TEMPORARY EROSION AND SEDIMENTATION CONTROL SEEDING.

EXISTING GRADE

ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS

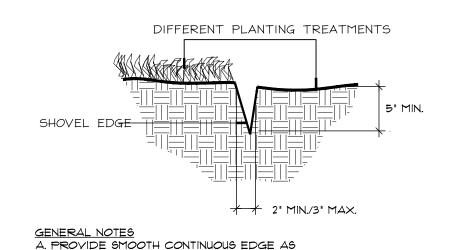
Shrub/Groundcover Planting on a Slope

OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.



(TREES UNDER 3.5" CAL. OR 14' IN HEIGHT) NTS

SHOWN. DIG EDGE WITH COMMON SPADE OR



1. TOP OF SHRUB ROOTBALLS TO BE

MOUNDING UP TO THE TOP OF

2. PRUNE SHRUBS AS DIRECTED BY

3. 3" MINIMUM OF MULCH AS SPECIFIED.

WHERE SHRUBS ARE PLACED IN

4. SOIL BERM TO HOLD WATER. TOP OF

ACROSS PIT. SLOPE DOWNHILL

FINISHED GRADE (SEE GRADING

SCARIFY ROOTBALL SIDES AND

CONTRACTOR SHALL ASSURE

PRIOR TO INSTALLATION.

6. PREPARED PLANTING SOIL AS

PLANTING PIT 'BERM' TO BE LEVEL

PORTION OF BERM AS REQUIRED TO MEET EXISTING GRADE. MULCH OVER

SPECIFIED. (SEE LANDSCAPE NOTES)

PERCOLATION OF ALL PLANTING PITS

MASSES, MULCH SHALL BE SPREAD

OWNER'S REPRESENTATIVE

IN A CONTINUOUS BED.

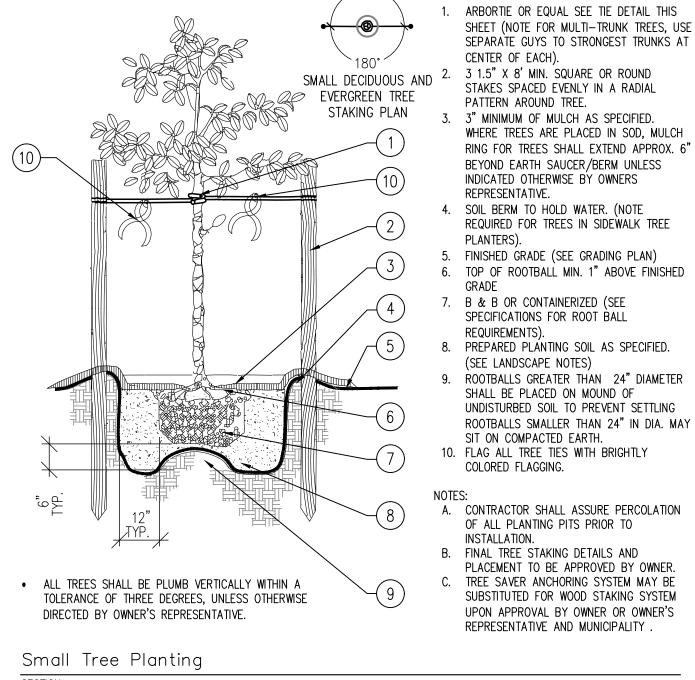
EXPOSED TOPSOIL.

ROOTRAL

PLANTED 1" - 2" HIGH WITH SOIL

SHOVEL EDGE DETAIL

STRAIGHT BLADE SHOVEL



RING FOR TREES SHALL EXTEND APPROX. 6" BEYOND EARTH SAUCER/BERM UNLESS INDICATED OTHERWISE BY OWNERS REPRESENTATIVE. SOIL BERM TO HOLD WATER. (NOTE REQUIRED FOR TREES IN SIDEWALK TREE PLANTERS) FINISHED GRADE (SEE GRADING PLAN) TOP OF ROOTBALL MIN. 1" ABOVE FINISHED '. B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS). 8. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES) ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING

SIT ON COMPACTED EARTH. 10. FLAG ALL TREE TIES WITH BRIGHTLY COLORED FLAGGING. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION. B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.

TREE SAVER ANCHORING SYSTEM MAY BE SUBSTITUTED FOR WOOD STAKING SYSTEM UPON APPROVAL BY OWNER OR OWNER'S REPRESENTATIVE AND MUNICIPALITY.

NTS

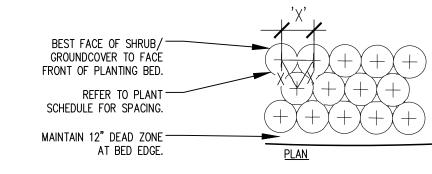
(TREES UNDER 3.5" CAL. OR 14' IN HEIGHT)

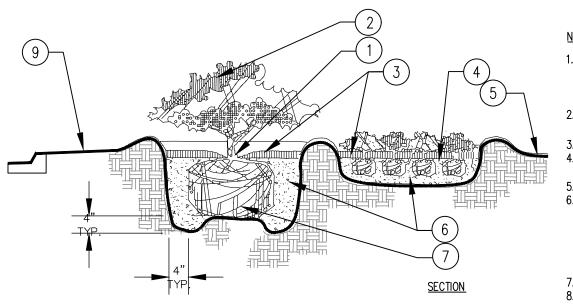
MIN. 1/2 MATURE SHRUB WIDTH (1) INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN. MULCH SHALL BE MIN. 3" DEEP. NO POP-UP IRRIGATION HEADS SHALL BE

PARKING SPACE/CURB PLANTING

(2) curb / parking lot edge.

LOCATED WITHIN 24" OF A PARKING SPACE ON ANY SIDE.





DIRECTED BY OWNER'S REPRESENTATIVE.

 ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE SHRUB/GROUNDCOVER PLANTING

1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF 2. PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT. 3" MINIMUM MULCH AS SPECIFIED. EXCAVATE ENTIRE BED SPECIFIED FOR

GROUNDCOVER BED. FINISHED GRADE (SEE GRADING PLAN). PREPARED PLANTING SOIL AS SPECIFIED (SEE LANDSCAPE NOTES) NOTE: WHEN GROUND- COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS 7. SCARIFY ROOTBALL SIDES AND BOTTOM. 8. ALL SHRUBS SHALL BE PLANTED A MIN. OF 3.5' FROM THE BACK OF CURBS.

SHEET NUMBER

DATA:

BUILDING 1 4 STORIES / 106 UNITS

GROUND FLOOR: 18 UNITS

4 - STUDIO UNITS6 - 1 BR UNITS8 - 2 BR UNITS

2ND FLOOR: 26 UNITS • 7 - STUDIO UNITS

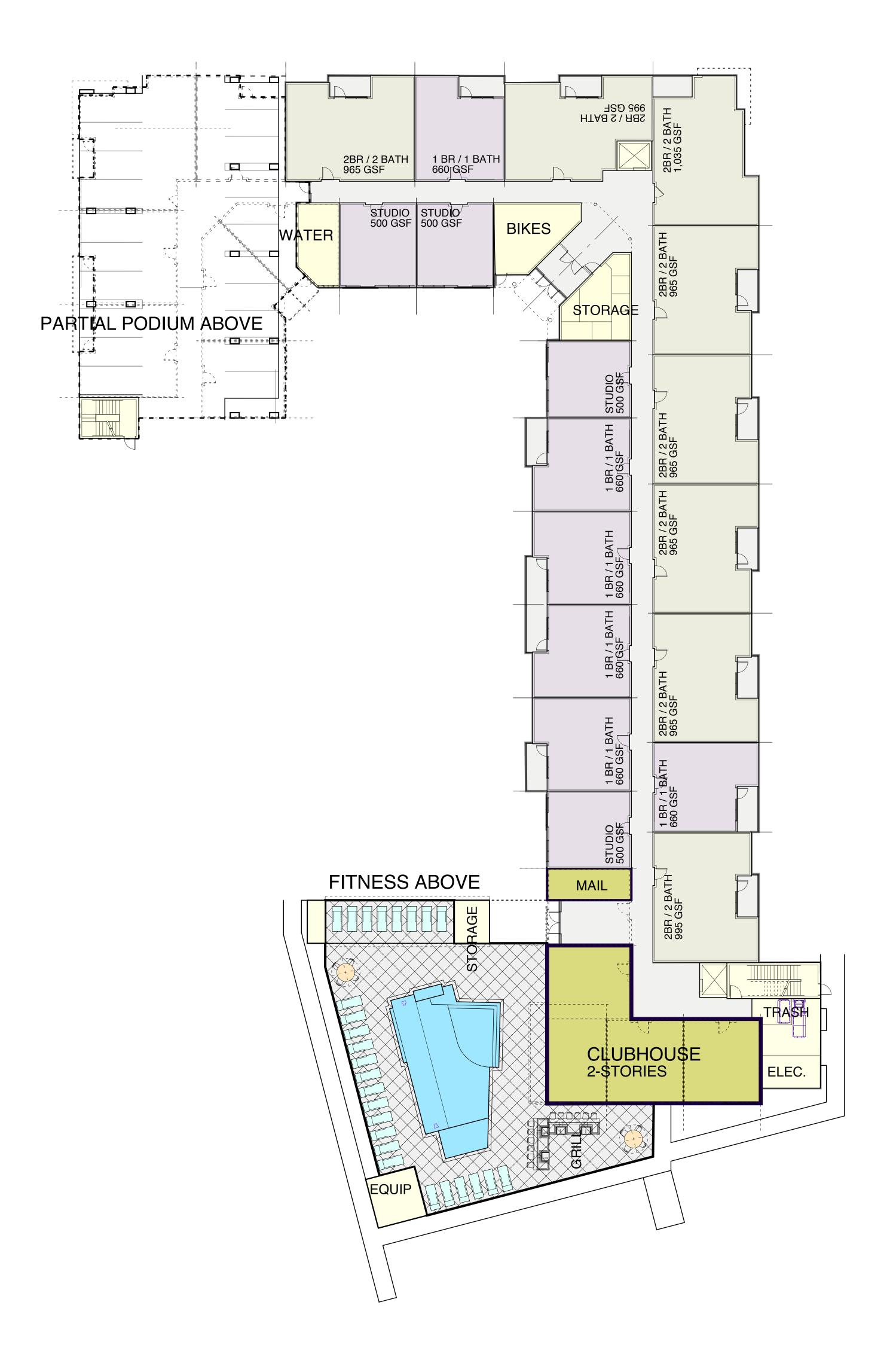
10 - 1 BR UNITS9 - 2 BR UNITS

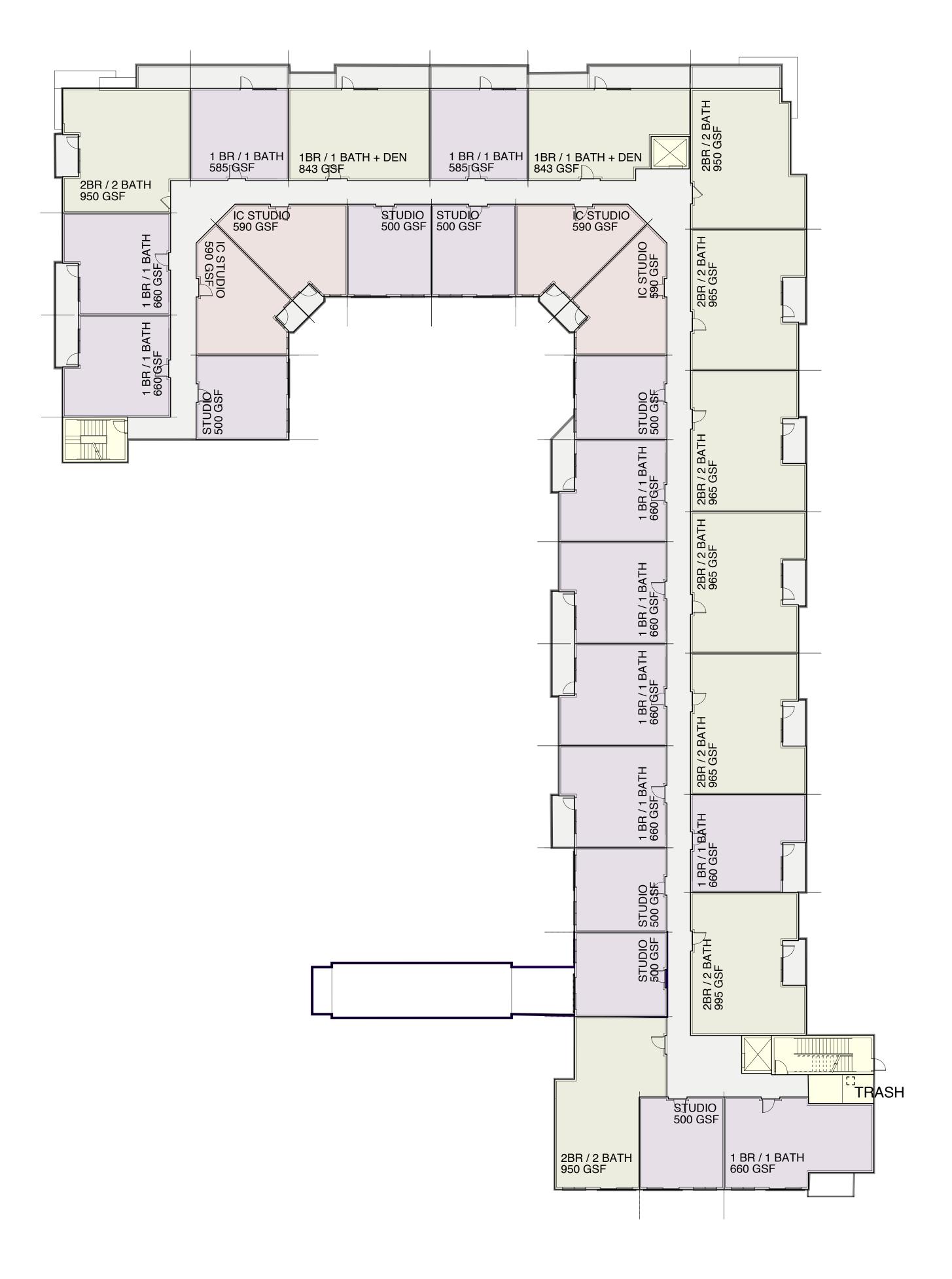
3RD FLOOR: 31 UNITS

• 11 - STUDIO UNITS • 10 - 1 BR UNITS • 10 - 2 BR UNITS

4TH FLOOR: 31 UNITS

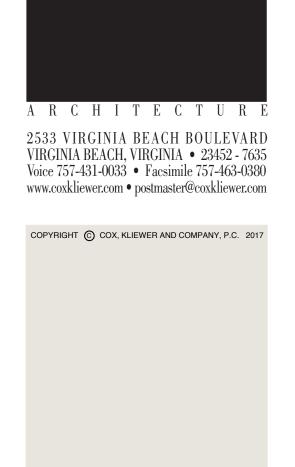
11 - STUDIO UNITS
10 - 1 BR UNITS
2 - 1 BR + DEN UNITS • 8 - 2 BR UNITS





GROUND FLOOR PLAN SCALE: 1/16" = 1' - 0"

SCALE: 1/16" = 1' - 0"



Cox, Kliewer &

Company, P.C.

MEN

0 5 10 15 25 SCALE: 1/16" = 1' - 0"

BUILDING 2 4 STORIES / 118 UNITS

GROUND FLOOR: 25 UNITS

4 - STUDIO UNITS13 - 1 BR UNITS8 - 2 BR UNITS

2ND - 4TH FLOOR: 31 UNITS

8 - STUDIO UNITS
 13 - 1 BR UNITS
 10 - 2 BR UNITS

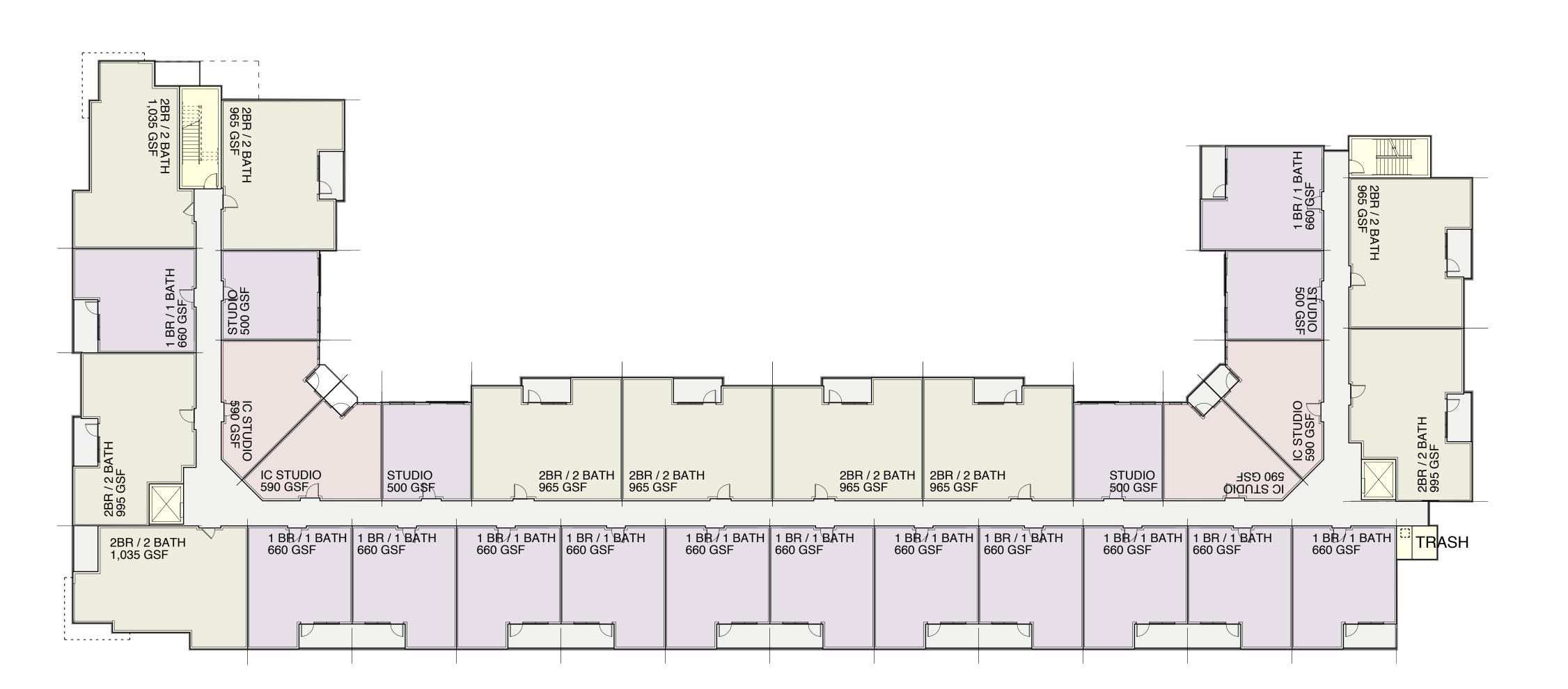
LEASING STUDIO 500 GSF WATER STORAGE 2BR / 2 BATH 965 GSF 2BATH 965 GSF STUDIO 500 G\$F STUDIO 500 GSF **BIKES BIKES** TENANT ENTRANCE 1 BB / 1 BATH 1 BR / 1 BATH 660 GSF 660 GSF 1 BB / 1 BATH 1 BR / 1 BATH 660 GSF 660 GSF 1 BB / 1 BATH 1 BR / 1 BATH 660 GSF 660 GSF 1 BB / 1 BATH 1 BR / 1 BATH 660 GSF 660 GSF 1 BB/1 BATH 660 GSF 2BR / 2 BATH 1,035 GSF

TRASH

ELEC.

XFMR

SCALE: 1/16" = 1' - 0"



SCALE: 1/16" = 1' - 0"

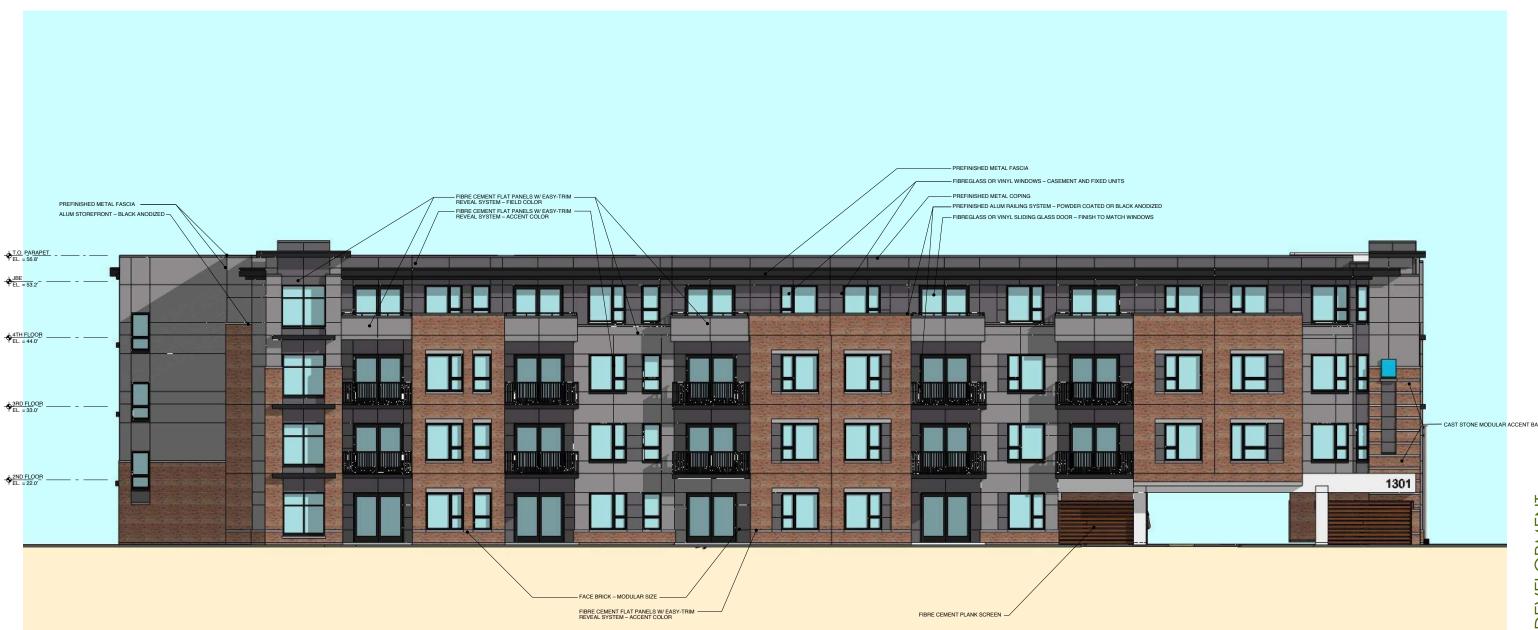
DEVELOPMENT

II-FAMILY

NEW

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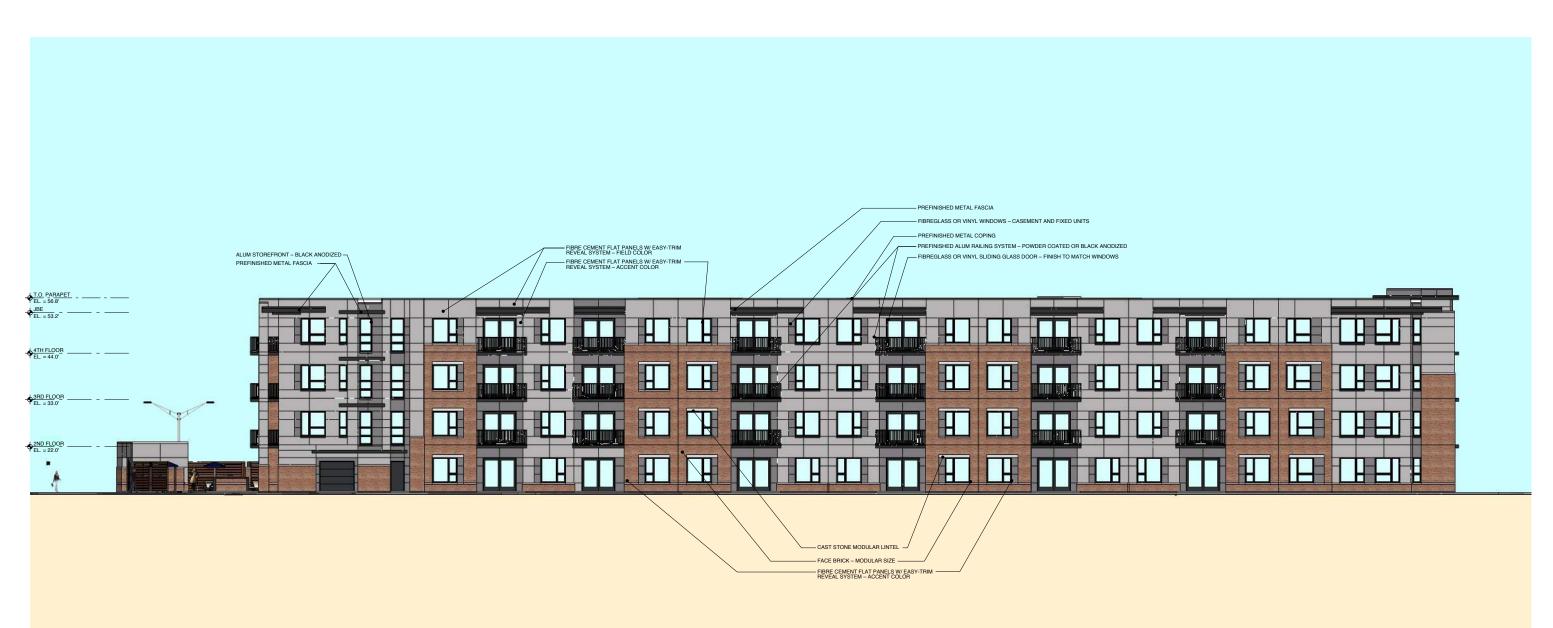
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NEW MULTI-FAMILY DEVELOPMENT

PRELIMINARY RENDERING - BUILDING 1 NORTH ELEVATION

LOUGHRIDGE & COMPANY, LLC
BROOK ROAD
RICHMOND, VIRGINIA
JUNE 6, 2018



NEW MULTI-FAMILY DEVELOPMENT

LOUGHRIDGE & COMPANY, LLC
SROOK ROAD
INTER 2018

PRELIMINARY RENDERING - BUILDING 1 EAST ELEVATION



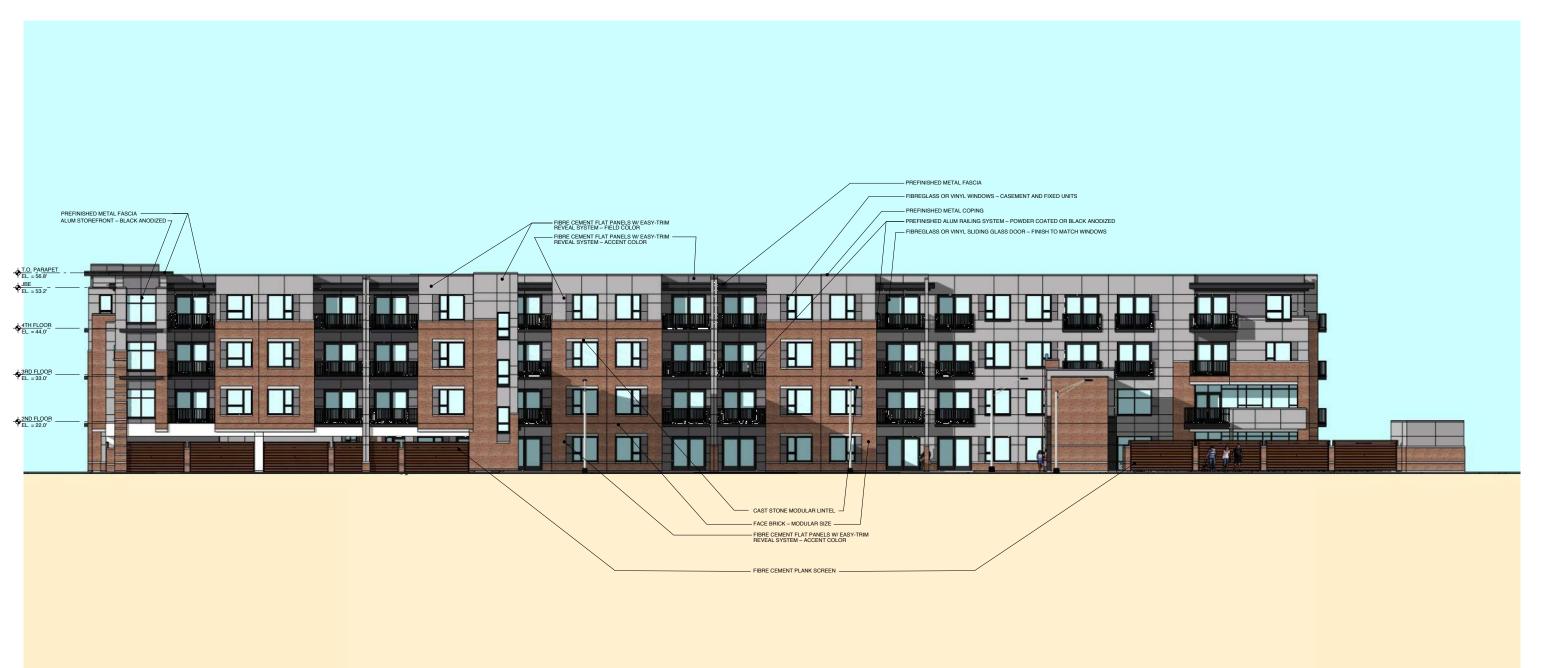
NEW MULTI-FAMILY DEVELOPMENT

LOUGHRIDGE & COMPANY, LLC
BROOK ROAD
RICHMOND, VIRGINIA
JUNE 6, 2018

PRELIMINARY RENDERING - BUILDING 1 SOUTH ELEVATION

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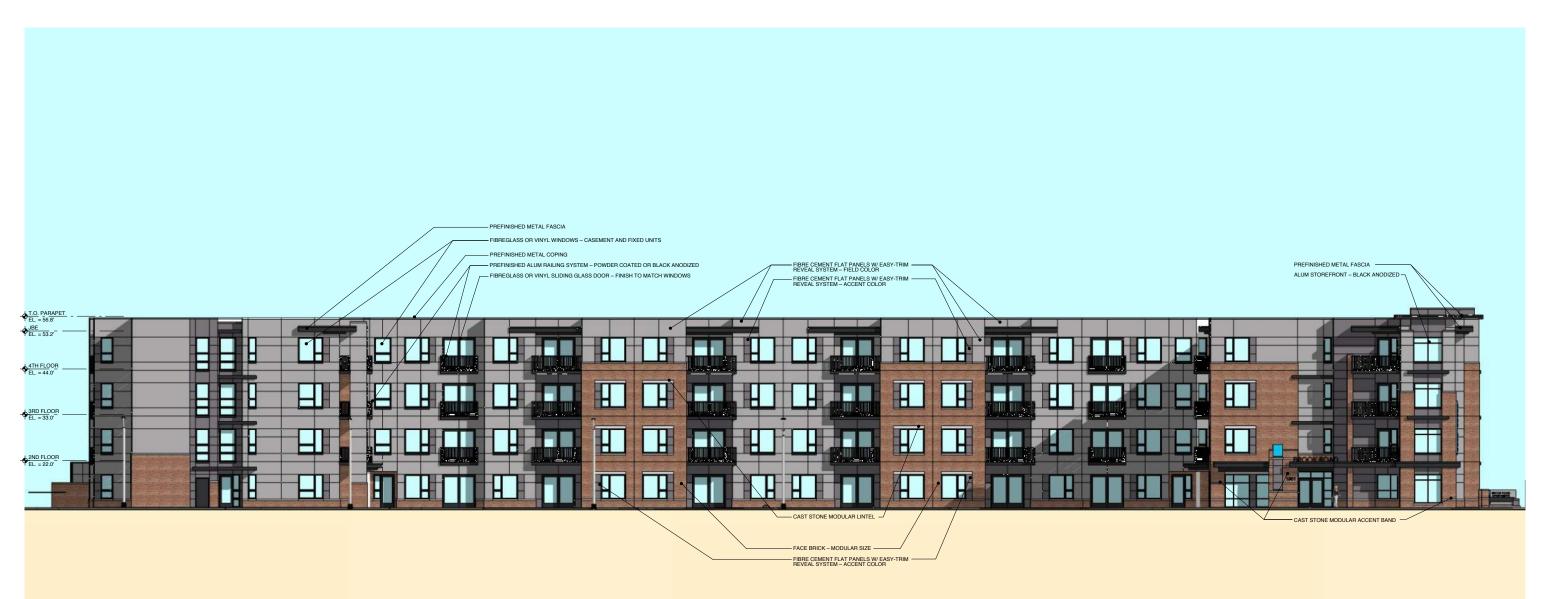
NEW MULTI-FAMILY DEVELOPMENT

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PRELIMINARY RENDERING - BUILDING 1 WEST ELEVATION

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NEW MULTI-FAMILY DEVELOPMENT

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PRELIMINARY RENDERING - BUILDING 2 NORTH ELEVATION

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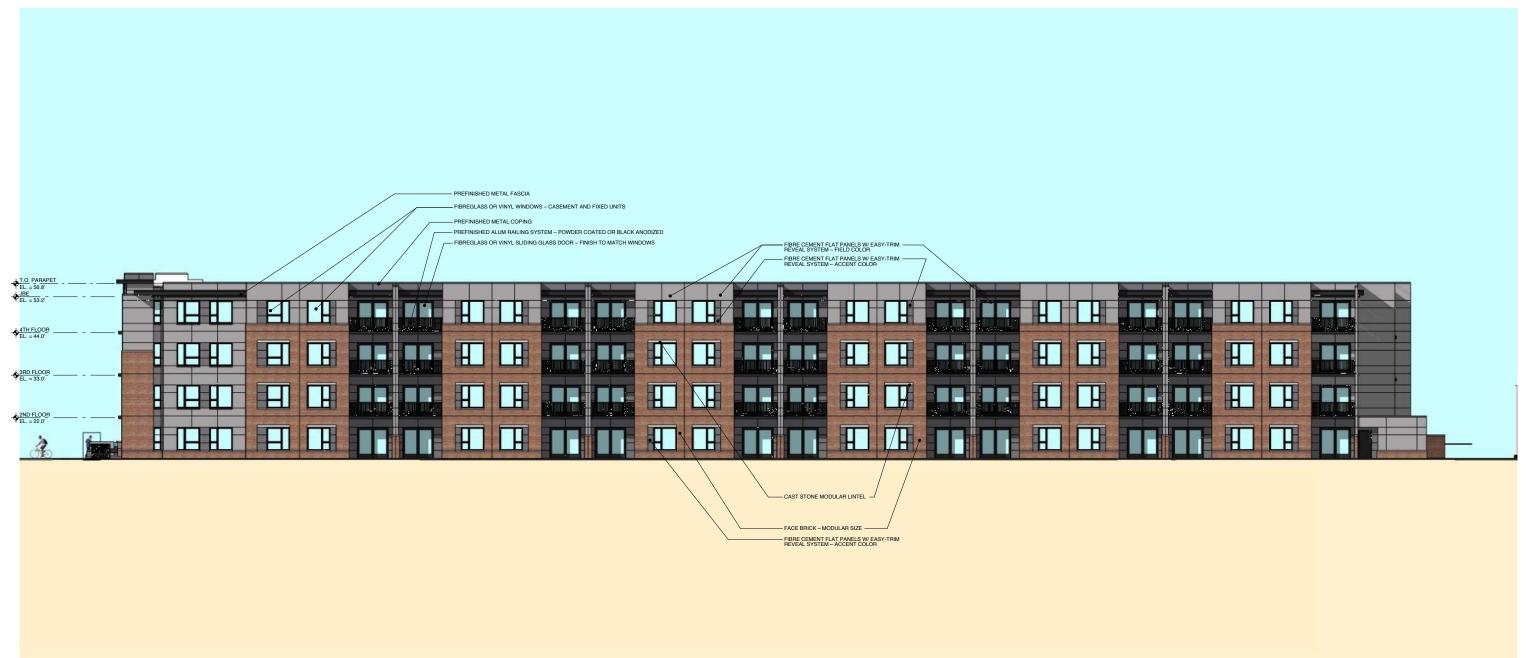
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NEW MULTI-FAMILY DEVELOPMENT

PRELIMINARY RENDERING - BUILDING 2 EAST ELEVATION

LOUGHRIDGE & COMPANY, LLC
BROOK ROAD
RICHMOND, VIRGINIA
JUNE 6, 2018



NEW MULTI-FAMILY DEVELOPMENT

COMPANY, LLC Ø

LOUGHRIDGE

PRELIMINARY RENDERING - BUILDING 2 SOUTH ELEVATION

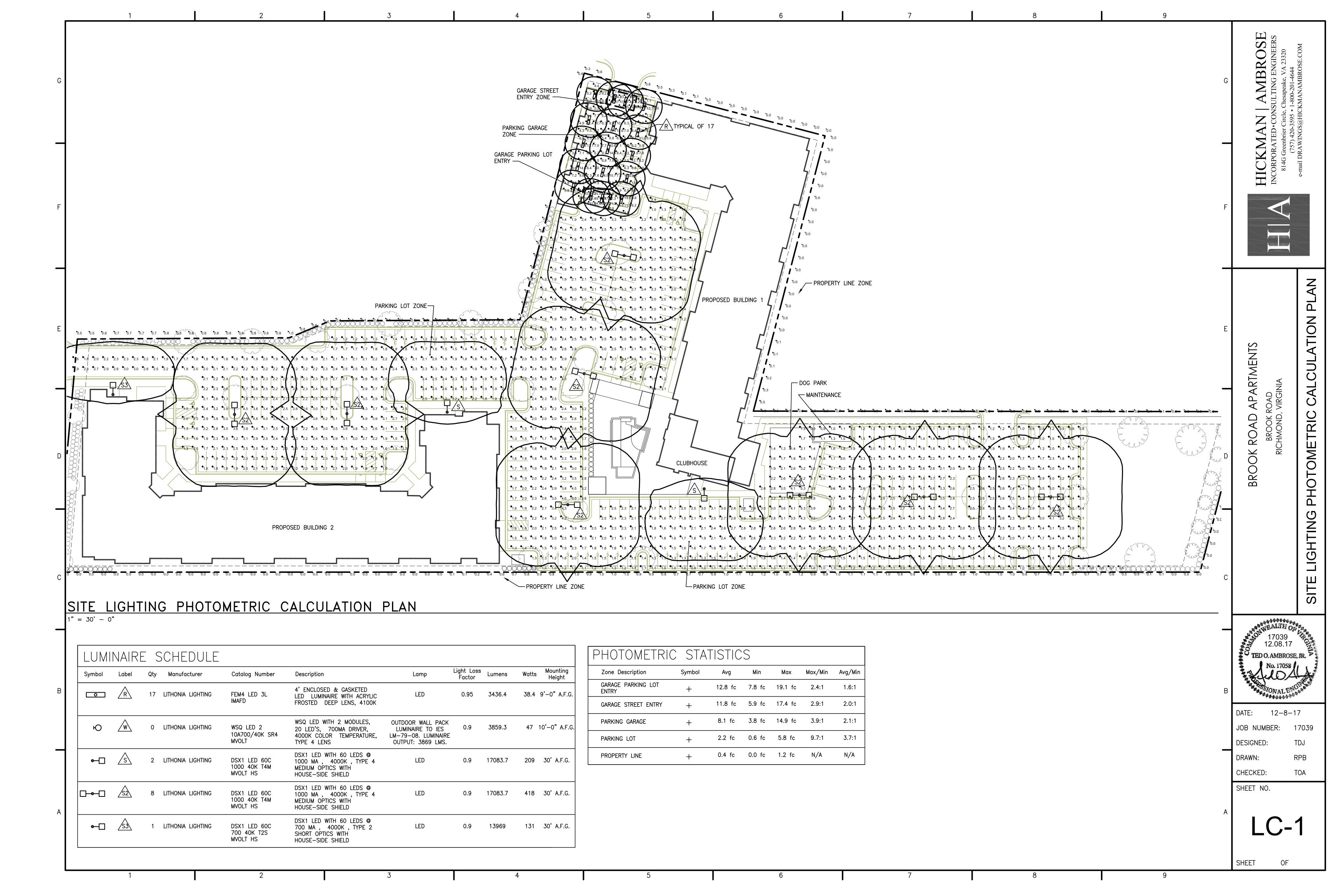
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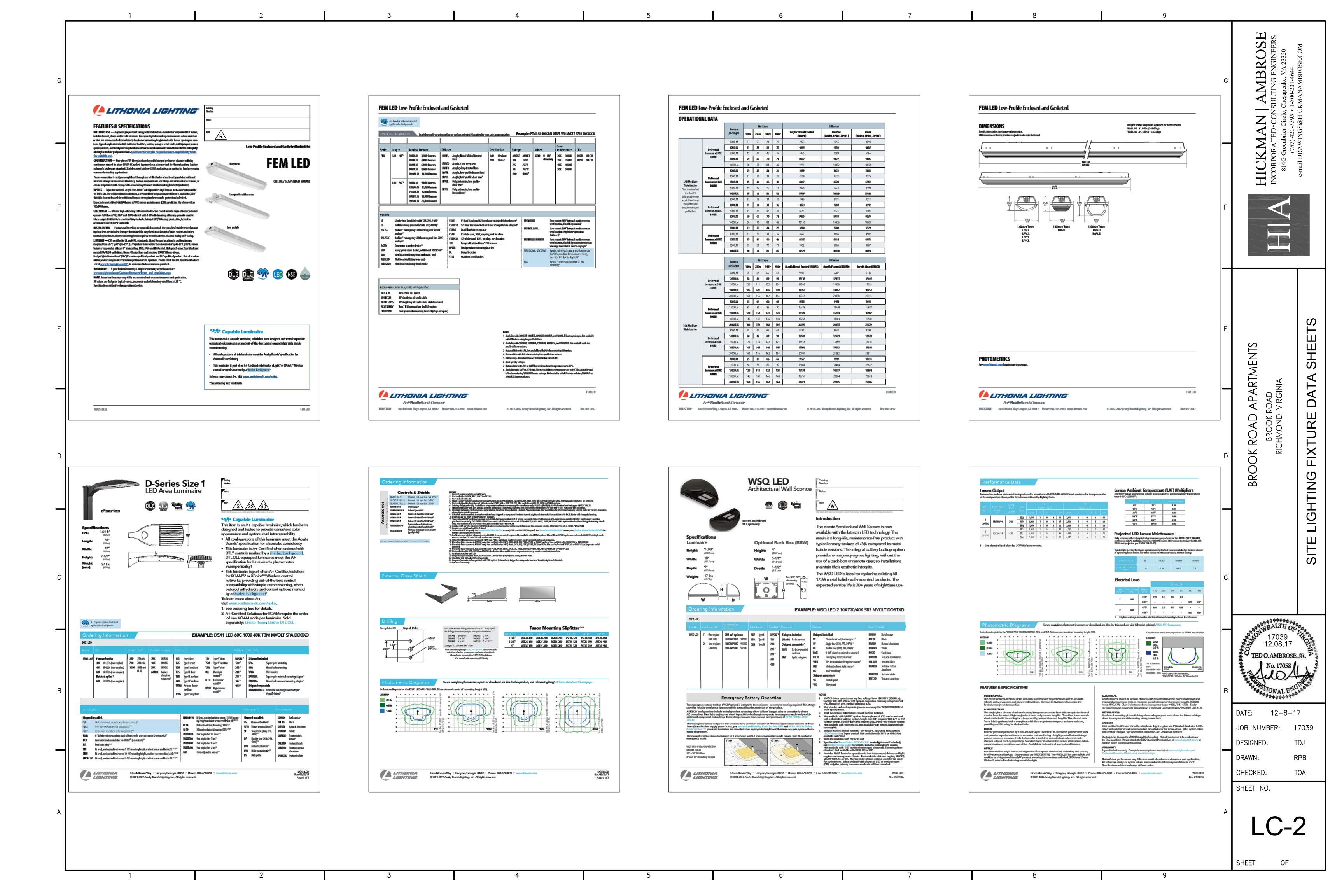
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NEW MULTI-FAMILY DEVELOPMENT

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BROOK ROAD
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JUNE 6, 2018





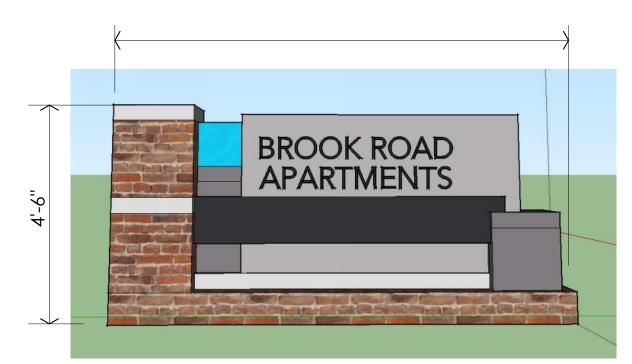


• 8"H INDIVIDUAL LETTERS, BACK LIT



SECONDARY SIGNAGE

10'-0"



PRELIMINARY ENTRANCE SIGN ON BROOK ROAD

BROOK ROAD ENTRANCE

- ENTRANCE SIGN:

 8"H INDIVIDUAL LETTERS, BACK LIT

 BRICK, CASTS STONE, FIBRE CEMENT

 PANELS, CLASS
- PANELS, GLASS

- BUILDING SIGN:

 ILLUMINATED PANEL: 2'W X 13'H

 12"H INDIVIDUAL LETTERS

 BOTTOM @ 13' ABOVE GRADE

PRELIMINARY BUILDING SIGN

-INDIVIDUAL LETTERS 8" H -BACK LIT ADDRESS

– INDIVIDUAL LETTERS 16" H -LIT FROM BUILDING

-BUILDING SIGN - SEE DETAIL BELOW -ENTRANCE SIGN - SEE DETAIL BELOW

B



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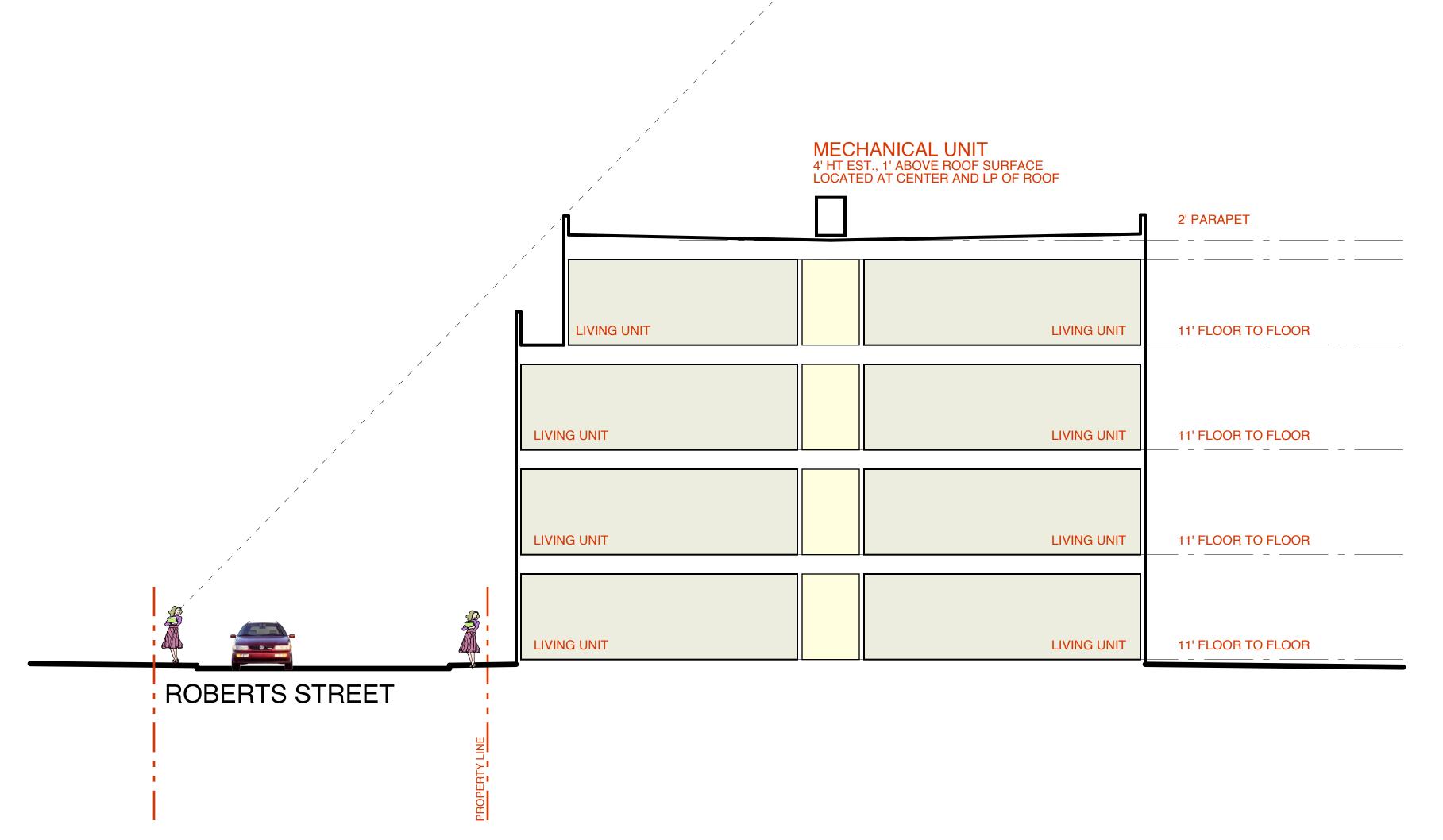
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PRELIMINARY SIGNAGE CONCEPTS





ROBERTS STREET R.O.W.

