

# REA FARMS MAJOR INFRASTRUCTURE - PHASE 2 SUBDIVISION PERMIT SET / CONSTRUCTION DOCUMENTS

11120 GOLF LINKS DRIVE  
CITY OF CHARLOTTE, MECKLENBURG COUNTY, NC



**FINAL  
APPROVAL**

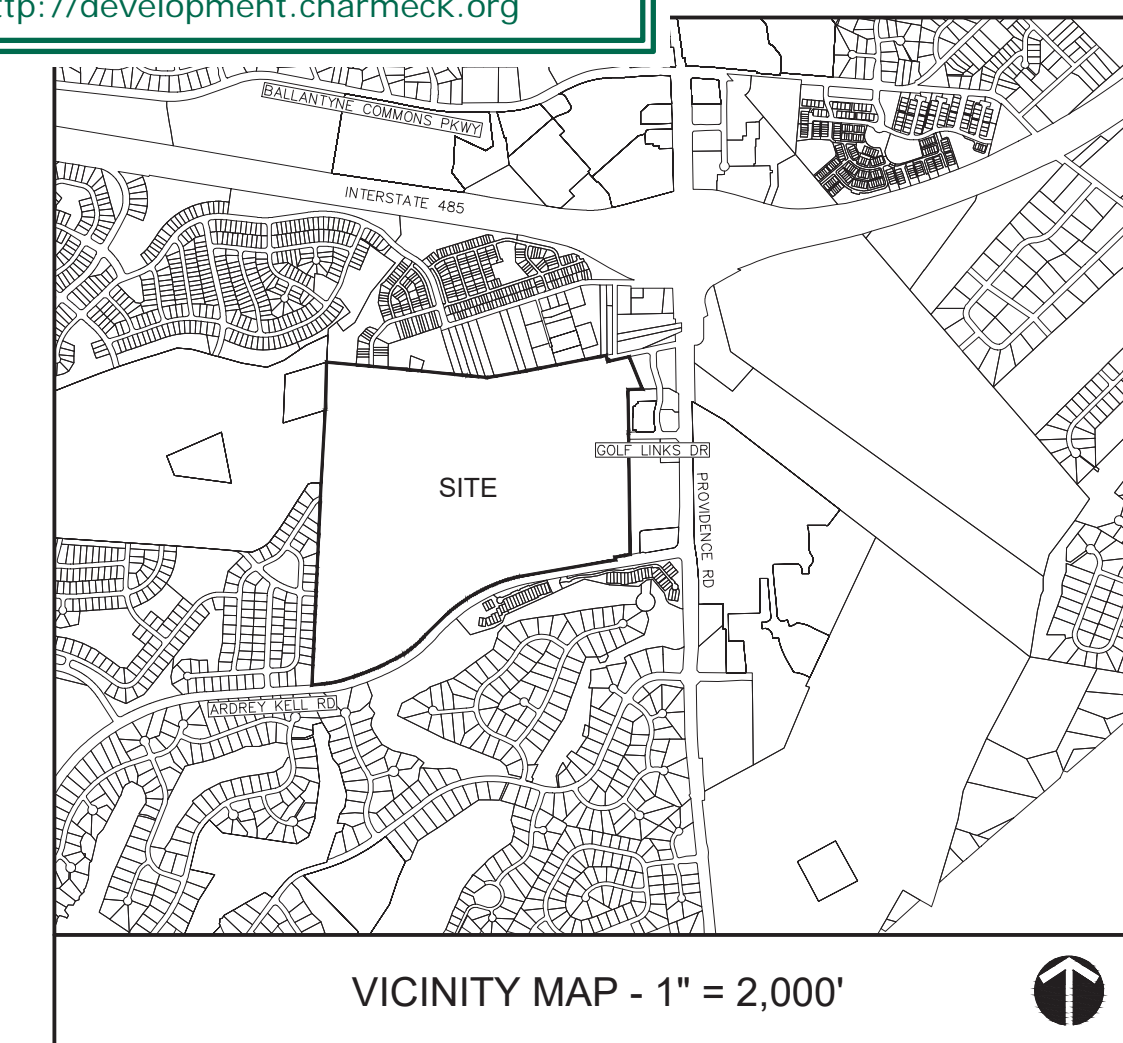
<b>ENGINEERING</b> PCO / DETENTION / DRAINAGE PLAN
<b>EROSION CONTROL</b>
<b>URBAN FORESTRY</b> TREE ORDINANCE
<b>CDOT</b>
NOTE: SCHEDULE PRE-CONSTRUCTION MEETING AT LEAST 48 HRS. PRIOR TO ANY LAND DISTURBING ACTIVITY USING THE ONLINE FORM AT <a href="http://development.charmeck.org">http://development.charmeck.org</a>

**APPROVED**  
By Brendan Smith at 2:03 pm, Aug 23, 2016

**APPROVED**

**APPROVED**

**APPROVED**



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LANDSCAPE ARCHITECT/  
CIVIL ENGINEER

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TRANSPORTATION  
CONSULTANT

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REVISIONS:

DATE: MAY 11, 2016  
DESIGNED BY: BWC  
DRAWN BY: BWC  
CHECKED BY: KWR  
Q.C. BY: KWR  
SCALE: 1"=150'  
PROJECT #: 1016065

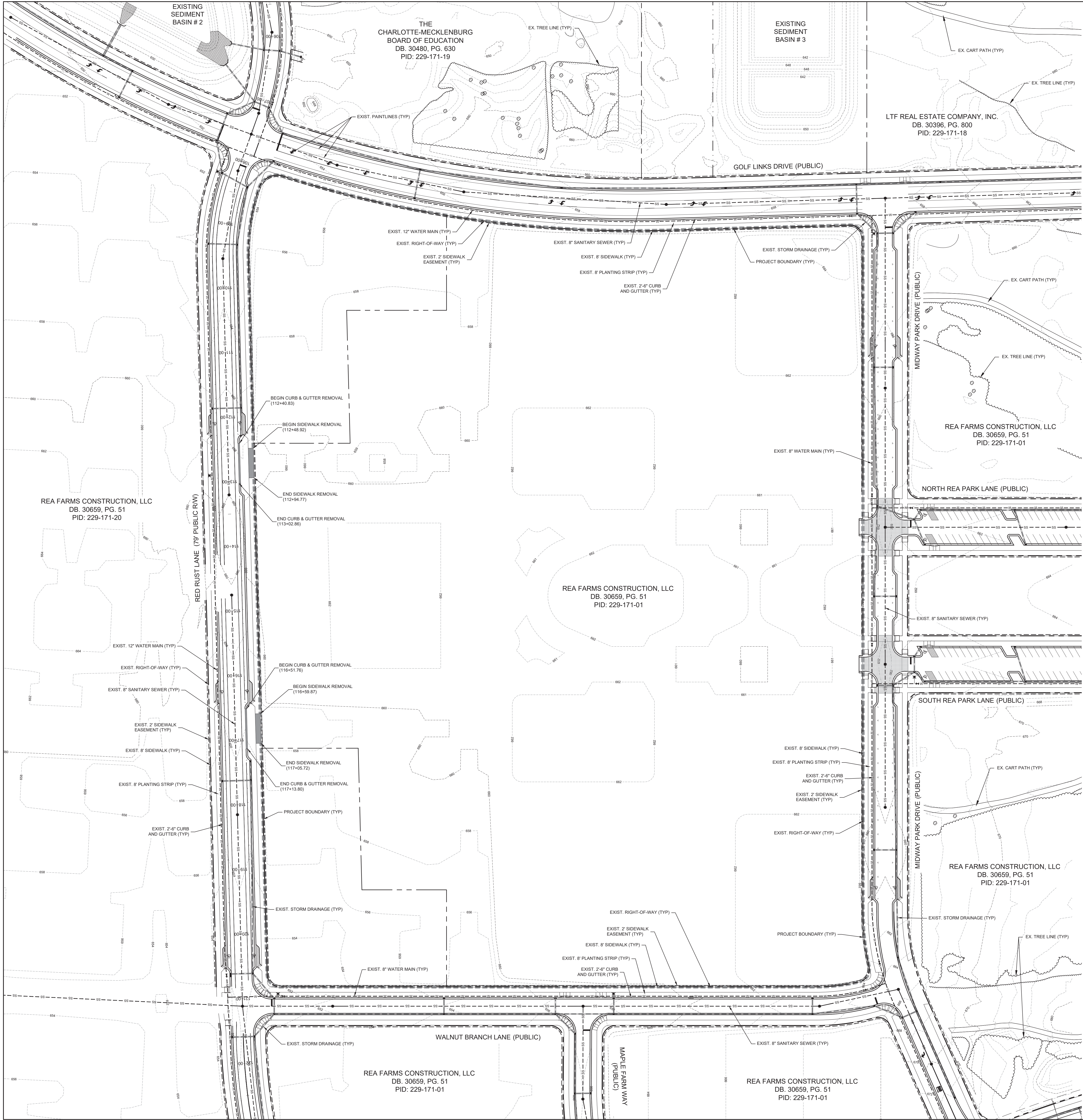
SHEET #:  
C-1.0

REA FARMS MAJOR INFRASTRUCTURE - PHASE 2  
City of Charlotte, Mecklenburg County, North Carolina  
REA FARMS CONSTRUCTION, LLC, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA  
COVER SHEET

**LandDesign.**  
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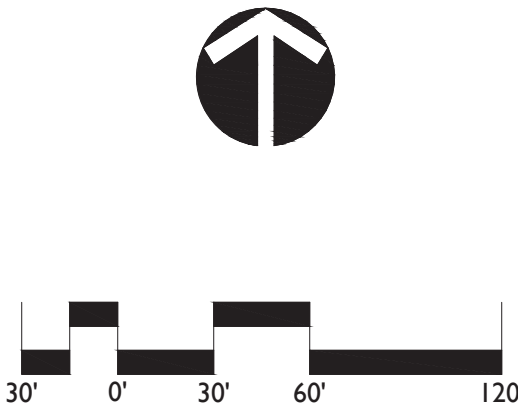


- NOTES:
- SEE SHEET C-1.2 FOR ADDITIONAL NOTES.
  - SEE REA FARMS MAJOR INFRASTRUCTURE FOR ORIGINAL SEALED SURVEY.
  - EXISTING CONDITIONS AND DEMOLITION PLAN BASED OFF OF:  
A. EXISTING SURVEY BY CESI  
B. REA FARMS MAJOR INFRASTRUCTURE PLANS - CITY PERMIT # SDR-2015-00050  
C. REA FARMS MASS GRADING PLANS - CITY PERMIT # LDC-2016-00080
  - HORIZONTAL AND VERTICAL CONTROL PROVIDED BY CESI.  
HORIZONTAL DATUM: NAD 83 (2011)  
VERTICAL DATUM: NAVD 88
  - EXISTING UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. LANDDESIGN WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITY OWNERS WHOSE FACILITIES WILL BE AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE CONTRACTOR SHALL HOLD LANDDESIGN HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY.
  - CONTRACTOR SHALL VERIFY AND PROTECT ALL PUBLIC UTILITIES. ANY WORK ASSOCIATED WITH SAID UTILITIES TO BE COORDINATED WITH APPROPRIATE UTILITY COMPANY
  - PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REGULATORY AUTHORITIES AND SHALL BE THOROUGHLY FAMILIAR WITH CONDITIONS OF SAID PERMITS AND INSPECTION REQUIREMENTS.
  - THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAYS, PUBLIC OR PRIVATE, PRIOR TO WORKING IN THESE AREAS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE THE CONSTRUCTION LIMITS.
  - DEMOLITION WORK SHALL NOT COMMENCE UNTIL GRADING PERMIT HAS BEEN ISSUED.
  - PROJECT INFORMATION:  
- ZONING: MUDD-O  
- PETITION #2015-022  
- POST CONSTRUCTION DISTRICT  
- JURISDICTION: CHARLOTTE  
- DISTRICT: SIX MILE CREEK (85% TSS & 70% PHOSPHORUS)  
- WITHIN DISTRESSED BUSINESS DISTRICT: YES  
- WITHIN TRANSIT ORIENTED DISTRICT: YES

- DEMOLITION NOTES:
- SEE SHEET C-1.2 FOR ADDITIONAL NOTES.
  - DEMOLITION WORK SHALL NOT COMMENCE UNTIL GRADING PERMIT HAS BEEN ISSUED.
  - CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
  - CONTRACTOR TO SUBMIT DEMOLITION PLAN TO THE CITY OF CHARLOTTE BUILDING STANDARDS BEFORE DEMOLITION IS TO BEGIN AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL DEMOLITION PERMITS IF REQUIRED.
  - EXTENT OF SITE CLEARING IS SHOWN ON EROSION CONTROL PLANS.
  - CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
  - ALL PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING UNLESS OTHERWISE SPECIFICALLY EXEMPTED BY THESE PLANS.
  - REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF-SITE IN A LEGAL MANNER. (PERMIT REQUIRED FOR OFF-SITE DISPOSAL)
  - LOCATE EXISTING ABOVE GROUND AND UNDERGROUND UTILITIES IN AREAS OF WORK. IF UTILITIES ARE TO REMAIN IN PLACE, PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION DURING DEMOLITION OPERATION.
  - SHOULD UNCHARTED, OR INCORRECTLY CHARTED PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING DEMOLITION, CONSULT PROJECT ENGINEER AND UTILITY OWNER FOR IMMEDIATE ACTION.
  - DEMOLISH AND COMPLETELY REMOVE FROM SITE MATERIAL INDICATED ON PLAN OR NOTED "TO BE REMOVED".
  - PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.
  - CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER.
  - CONTRACTOR SHALL MAINTAIN POSITIVE STORM DRAINAGE DURING CONSTRUCTION TO INSURE NO DAMAGE TO ADJACENT PROPERTIES OCCURS DURING STORM EVENTS.
  - CONTRACTOR TO REMOVE ALL VISIBLE OR REASONABLY IDENTIFIABLE MATERIAL, EQUIPMENT, ETC. FROM THE SITE IF NOT NEEDED FOR NEW CONSTRUCTION.
  - EXISTING UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. LANDDESIGN WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITY OWNERS WHOSE FACILITIES WILL BE AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE CONTRACTOR SHALL HOLD LANDDESIGN HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY.
  - ALL DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH APPLICABLE BUILDING CODES AND LOCAL RESTRICTIONS. THE CONTRACTOR MUST COMPLY WITH ALL OF THE CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES.
  - PRIOR TO THE COMMENCEMENT OF DEMOLITION, THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH ALL UTILITY COMPANIES SERVING THIS AREA. THE CONTRACTOR IS TO COORDINATE FULLY WITH THE UTILITY COMPANIES ON THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DEMOLITION, CONSTRUCTION, AND EXCAVATION.
  - MINIMUM DEPTH FOR REMOVAL OF ALL OBJECTS SHALL BE THREE (3) FEET BELOW GRADE. THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL WASTE MATERIAL.
  - ALL PAVING REMOVAL AND DEMOLITION SHALL BE PERFORMED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER OR OWNER.
  - RELOCATION OR REMOVAL OF OVERHEAD OR UNDERGROUND UTILITIES SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY. RELOCATION OR REMOVAL OF EXISTING UTILITIES SHALL BE DONE BY OTHERS AND PAID FOR BY CONTRACTOR UNLESS PREVIOUS NEGOTIATIONS HAVE BEEN MADE WITH OWNER.
  - CONTRACTOR SHALL REMOVE ALL EXISTING LIGHT POLES IN THE DEMOLITION AREA AT THE OWNERS DIRECTION.
  - ALL PROPOSED PAVEMENT CUTS SHALL BE SAW CUT ONLY.
  - WHERE CURB AND GUTTER IS CALLED OUT TO BE REMOVED, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT (1' OFF EXISTING EDGE OF PAVEMENT) AND REMOVE PAVEMENT.
  - CONTRACTOR SHALL PROVIDE A MINIMUM OF 72 HOURS ADVANCE NOTICE TO THE OWNER PRIOR TO STARTING DEMOLITION ACTIVITIES.
  - CONTRACTOR SHALL VERIFY AND PROTECT ALL PUBLIC UTILITIES. ANY WORK ASSOCIATED WITH SAID UTILITIES TO BE COORDINATED WITH APPROPRIATE UTILITY COMPANY
  - THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER AND ENGINEER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS AND SHALL WAIT FOR INSTRUCTIONS PRIOR TO PROCEEDING.
  - PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED FROM ALL REGULATORY AUTHORITIES AND SHALL BE THOROUGHLY FAMILIAR WITH CONDITIONS OF SAID PERMITS AND INSPECTION REQUIREMENTS.
  - THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAYS, PUBLIC OR PRIVATE, PRIOR TO WORKING IN THESE AREAS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE THE CONSTRUCTION LIMITS.
  - CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC ARE PROTECTED FROM INJURY.
  - LANDDESIGN SHALL NOT BE IN CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR ACTUAL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK, OR FOR THE ACTS OR OMISSIONS OF CONTRACTORS OR ANY OTHER PERSONS NOT UNDER THE EMPLOYMENT OF LANDDESIGN.
  - SHOULD THE CONTRACTOR ENCOUNTER ANY ADDITIONAL ITEMS THAT MAY REQUIRE DEMOLITION (FENCES, GUARD RAIL, ETC.), THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR FURTHER DIRECTION.
  - PRIOR TO TREE REMOVAL, CONTRACTOR SHALL COORDINATE REMOVAL WITH PROJECT LANDSCAPE ARCHITECT AND CITY OF CHARLOTTE.
  - CONTRACTOR SHALL MAINTAIN STORM WATER MANAGEMENT SYSTEM DURING CONSTRUCTION TO INSURE NO DAMAGE TO ADJACENT PROPERTIES
  - CONTRACTOR TO REMOVE ALL VISIBLE OR REASONABLY IDENTIFIABLE MATERIAL, EQUIPMENT, ETC. FROM THE SITE IF NOT NEEDED.
  - ALL UNDERGROUND UTILITIES PREVIOUSLY SERVING EXISTING STRUCTURES TO BE REMOVED AND OR ABANDONED IN PLACE UNLESS INDICATED TO REMAIN.
  - CONTRACTOR SHALL COORDINATE STORM DEMOLITION WITH STORM DRAIN IMPROVEMENTS TO MAINTAIN POSITIVE DRAINAGE.
  - CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

LEGEND:

EASEMENT	---
FENCE	---
PROPERTY LINE	---
RIGHT-OF-WAY	---
GAS LINE	---
SANITARY SEWER LINE	---
FORCE MAIN	---
OVERHEAD UTILITIES	---
WATER LINE	---
STORM SEWER	---
TREE LINE	---
UNDERGROUND TELEPHONE	---



REVISIONS:

DATE: MAY 11, 2016  
DESIGNED BY: JN  
CHECKED BY: JN  
O.C. BY: KWR  
PROJECT # 1016065  
SHEET #

REA FARMS MAJOR INFRASTRUCTURE - PHASE 2  
City of Charlotte, Mecklenburg County, North Carolina  
REA FARMS CONSTRUCTION, LLC, CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA  
EXISTING CONDITIONS AND DEMOLITION PLAN

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NC Eng. Firm License: C-06658

LANDDESIGN, INC.  
CORPORATE  
SEAL  
NORTH CAROLINA

Just Love  
32966  
REGISTERED PROFESSIONAL ENGINEER  
EXPIRATION DATE 12/31/2016  
7-11-2016

C-1.1



SITE, GRADING AND STORM WATER NOTES:

1. ALL CONSTRUCTION, MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH NCDOT, CDOT AND THE CITY OF CHARLOTTE STANDARDS AND SPECIFICATIONS AND ALL OTHER CITY, STATE AND FEDERAL REGULATIONS AND/OR STANDARDS.
2. ALL "STD." NUMBERS REFER TO THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL.
3. ALL INSPECTORS SHALL BE GIVEN 24 HOURS NOTICE PRIOR TO START OF CONSTRUCTION.
4. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE IMMEDIATELY REPORTED TO THE OWNER AND ENGINEER AND SHALL WAIT FOR INSTRUCTIONS PRIOR TO PROCEEDING.
5. APPROVAL OF THIS PLAN IS NOT AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF SITE GRADING, WRITTEN PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
6. LANDDESIGN SHALL NOT BE IN CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR ACTUAL CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES, OR SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK, OR FOR THE ACTS OR OMISSIONS OF CONTRACTORS OR ANY OTHER PERSONS NOT UNDER THE EMPLOYMENT OF LANDDESIGN.
7. ALL DIMENSIONS ARE GIVEN TO BACK OF CURB UNLESS OTHERWISE NOTED.
8. ALL SHORING SHALL BE IN ACCORDANCE TO OSHA TRENCHING STANDARDS, PART 1926 SUBPART P, AS AMENDED.
9. EXISTING UTILITIES ARE ILLUSTRATED FOR INFORMATION PURPOSES ONLY. LANDDESIGN WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF UTILITY LOCATIONS, SIZES, DEPTHS, OR FOR COMPLETENESS OF UTILITY INFORMATION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY AND MEET WITH ALL UTILITY OWNERS WHOSE FACILITIES WILL BE AFFECTED TO DETERMINE UTILITY LOCATIONS. THE CONTRACTOR SHALL PROTECT ALL UTILITIES FROM DAMAGE CAUSED BY HIS OPERATIONS OR THOSE OF HIS AGENTS. THE CONTRACTOR SHALL HOLD LANDDESIGN HARMLESS FOR ANY THIRD-PARTY INCONVENIENCE CREATED BY WORK OF HIS OWN FORCES OR THAT OF HIS AGENTS. ANY DAMAGES INCURRED SHALL BE THE CONTRACTORS FINANCIAL RESPONSIBILITY.
10. CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ANY CONFLICTS WITH EXISTING UTILITIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
11. IF PROPOSED UTILITIES ARE INSTALLED WITHIN 12 INCHES, HORIZONTAL OR VERTICAL, FROM A GAS MAIN, THE CONTRACTOR SHALL INFORM PIEDMONT NATURAL GAS COMPANY, (704) 525-5585
12. RESPONSIBILITY FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SAFETY DEVICES FOR THE PROTECTION OF THE PUBLIC, THE WORKERS, AND GENERAL PROTECTION OF THE WORK SHALL REST WITH THE CONTRACTOR DOING THE WORK.
13. NEW FINISHED CONTOURS SHOWN ARE TOP OF PAVING IN AREAS TO RECEIVE PAVEMENT AND TOP OF TOPSOIL IN AREAS TO BE SEEDED.
14. THE PROPOSED CONTOURS SHOWN IN DRIVES, PARKING LOTS AND SIDEWALKS ARE FINISHED ELEVATIONS INCLUDING ASPHALT. REFER TO PAVEMENT CROSS-SECTION DATA TO ESTABLISH CORRECT SUB-BASE OR AGGREGATE BASE COURSE ELEVATIONS.
15. DIMENSIONS AND ELEVATIONS ON BUILDINGS ARE FOR GRADING PURPOSES ONLY AND ARE NOT TO BE USED TO LAYOUT.
16. CONTRACTOR SHALL NOTIFY AND COOPERATE WITH ALL UTILITY COMPANIES OR FIRMS HAVING FACILITIES ON OR ADJACENT TO THE SITE BEFORE DISTURBING, ALTERING, REMOVING, RELOCATING, ADJUSTING OR CONNECTING TO SAID FACILITIES. CONTRACTORS SHALL PAY ALL COSTS IN CONNECTION WITH THE ALTERATION OF OR RELOCATION OF THE FACILITIES.
17. THE CONTRACTOR SHALL ADJUST EXISTING STRUCTURES BOTH HORIZONTALLY AND VERTICALLY AS REQUIRED TO MATCH FINISHED LOCATION/GRADE AT THEIR EXPENSE.
18. GRADING CONTRACTOR SHALL COOPERATE AND WORK WITH ALL OTHER CONTRACTORS PERFORMING WORK ON THIS PROJECT TO INSURE PROPER AND TIMELY COMPLETION OF THIS PROJECT.
19. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER UTILITY INSTALLATIONS NOT COVERED IN THESE PLANS (ELECTRIC, TELEPHONE, GAS, CABLE, ETC.) AND ALLOW FOR THEIR OPERATIONS AND CONSTRUCTION TO BE PERFORMED.
20. FOR ANY WORK ON THE STATE OR CITY RIGHT-OF-WAY, THE GRADING CONTRACTOR SHALL:
  - 20.1. NOT STORE MATERIAL, EXCESS DIRT OR EQUIPMENT IN THE RIGHT-OF-WAY IN CASE OF MULTILANE HIGHWAYS. THE PAVEMENT SHALL BE KEPT FREE FROM ANY MUD OR EXCAVATION WASTE FROM TRUCKS OR OTHER EQUIPMENT. ON COMPLETION OF THE WORK ALL EXCESS MATERIAL SHALL BE REMOVED FROM THE RIGHT-OF-WAY.
  - 20.2. PROVIDE ALL NECESSARY AND ADEQUATE SAFETY PRECAUTIONS SUCH AS SIGNS, FLAGS, LIGHT BARRICADES AND FLAGMEN AS REQUIRED BY THE LOCAL AUTHORITIES AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE GRADING CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HOLD HARMLESS THE CITY OF CHARLOTTE, THE STATE OF NORTH CAROLINA, THE ARCHITECT/ENGINEER, AND THE OWNER FROM ANY CLAIMS FOR DAMAGE DONE TO EXISTING PRIVATE PROPERTY, PUBLIC UTILITIES, OR TO THE TRAVELING PUBLIC.
  - 20.3. COMPLETE WORK TO THE SATISFACTION OF THE CHARLOTTE MECKLENBURG UTILITIES DEPARTMENT (CMUD) AND OBTAIN A LETTER FROM THE DEPARTMENT STATING THAT THE WORK IS ACCEPTABLE.
21. CONTRACTOR SHALL IMPORT SUFFICIENT MATERIAL TO COMPLETE WORK AT NO ADDITIONAL COST, IN THE EVENT OF A SHORTAGE OF STRUCTURAL FILL.
22. CONTRACTOR SHALL REPAIR OR REPLACE IN-KIND ANY DAMAGE THAT OCCURS AS RESULT OF HIS WORK.
23. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION.
24. BEFORE ANY MACHINE WORK IS DONE, CONTRACTOR SHALL STAKE OUT AND MARK THE ITEMS ESTABLISHED BY THE SITE PLAN. CONTROL POINTS SHALL BE PRESERVED AT ALL TIMES DURING THE COURSE OF THE PROJECT. LACK OF PROPER WORKING POINTS AND GRADE STAKES MAY REQUIRE CESSATION OF OPERATIONS UNTIL SUCH POINTS AND GRADES HAVE BEEN PLACED TO THE OWNER'S SATISFACTION.
25. CONTRACTOR TO GRADE SITE TO A TOLERANCE OF +/- 0.10 FOOT (BALANCED) OF SUBGRADE.
26. PE SEALED SHOP DRAWINGS FOR RETAINING WALLS MUST BE SUBMITTED TO CITY ENGINEER PRIOR TO CONSTRUCTION.
27. THE DEVELOPER SHALL MAINTAIN EACH STREAM, CREEK, OR BACKWASH CHANNEL IN AN UNOBSTRUCTED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, LOGS, TIMBER, JUNK AND OTHER ACCUMULATIONS.
28. ALL ELEVATIONS ARE IN REFERENCE TO THE BENCH MARK WHICH MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO BREAKING GROUND.
29. ALL FILL/SUBGRADE MATERIAL TO BE COMPACTED TO 95% STANDARD COMPACTION UNLESS OTHERWISE NOTED.
30. CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT (BY ECS, DATED APRIL 30, 2015) TO DETERMINE SOIL/ROCK CONDITIONS OF THE SITE AND ANY SITE SPECIFIC REQUIREMENTS OR RECOMMENDATIONS.
31. CONTRACTOR SHALL OBTAIN AND REVIEW ANY 2ND PARTY (PUBIX, WALMART, HARRIS TEETER, TARGET, ETC.) SPECIFICATIONS AND REQUIREMENTS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL INTEGRATE ANY 2ND PARTY SPECIFICATIONS AND REQUIREMENTS INTO THE SITE CONSTRUCTION (BUILDING PAD REQUIREMENTS, PAVEMENT AREA REQUIREMENTS, ETC.). ANY DISCREPANCIES BETWEEN THESE PLANS AND ANY 2ND PARTY SPECIFICATIONS AND REQUIREMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
32. PAVEMENT THICKNESS SHOWN ON THESE PLANS ARE CITY OF CHARLOTTE AND NCDOT STANDARD THICKNESS. CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT FOR PAVEMENT RECOMMENDATIONS AND MAKE ADJUSTMENTS AS NEEDED. ANY CHANGES IN PAVEMENT THICKNESS REQUIRE APPROVAL PRIOR TO CONSTRUCTION.
33. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
34. ALL SLOPES NOT OTHERWISE NOTED SHALL BE 2:1 OR FLATTER. FILL SLOPES GREATER THAN 10' REQUIRE ADEQUATE TERRACING (CLDSM #30.16).
35. PERMANENT CUT AND FILL SLOPES PLACED ON A SUITABLE FOUNDATION SHOULD BE CONSTRUCTED AT 2:1(HORIZONTAL TO VERTICAL) OR FLATTER. PERMANENT SLOPES OF 3:1 SHOULD BE CONSTRUCTED WHERE MOWING IS DESIRABLE AND AS INDICATED. IF FILL MATERIAL IS BROUGHT ONTO THE PROPERTY OR IF WASTE MATERIAL IS HAULED FROM THE PROPERTY THEN THE CONTRACTOR SHALL DISCLOSE THE LOCATION OF ANY ON-SITE AND/OR OFF-SITE BARROW LOCATION AND/OR WASTE BURIAL LOCATION TO THE EROSION CONTROL INSPECTOR.
36. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY WITH EXISTING CONTOURS.
37. NON-STANDARD ITEMS (IE: PAVERS, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE CHARLOTTE DEPARTMENT OF TRANSPORTATION AND/OR NORTH CAROLINA DEPARTMENT OF TRANSPORTATION BEFORE INSTALLATION. FOR CITY MAINTAINED STREETS, CONTACT CDOT AT (704) 338-3888.
38. CONTACT THE UTILITY COMPANY TO RELOCATE ANY EXISTING UTILITIES. ALL EXISTING FACILITIES WHICH CONFLICT WITH THE IMPROVEMENTS UNDER THE SCOPE OF THIS PROJECT SHALL BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR UNLESS PREVIOUS ARRANGEMENTS HAVE BEEN MADE WITH OWNER.
39. DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.
40. THE CONTRACTOR SHALL USE WHATEVER MEASURES ARE REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION SEDIMENT AND SILTATION ORDINANCES. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL STRUCTURES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND NOT BEFORE ALL AREAS DRAINING INTO THESE STRUCTURES ARE SUFFICIENTLY STABILIZED.
41. CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING, OR BY OTHER METHODS AS DIRECTED BY ENGINEER AND/OR OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO OWNER.
42. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL SEDIMENT CONTROL AND AIR POLLUTION ORDINANCES OR RULES.
43. LIMITS OF CLEARING SHOWN ON EROSION CONTROL PLANS ARE BASED ON CUT AND FILL SLOPES OR OTHER GRADING REQUIREMENTS.
44. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
45. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
46. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON DENUDED AREAS AND ESPECIALLY WHEN THE CONSTRUCTION SEQUENCE REQUIRES IT. ALL AREAS ARE TO BE SEEDED OR LANDSCAPE PER THE FOLLOWING:
  - 46.1. ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
  - 46.2. ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
47. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPT. OF AGRICULTURE, AND THE CHARLOTTE EROSION CONTROL ORDINANCE.
48. CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES AS INDICATED ON EROSION CONTROL PLANS. NO EROSION CONTROL DEVICE MEASURE MAY BE REMOVED UNTIL THE SITE IS STABILIZED.
49. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY ENGINEERING DEPARTMENT.
50. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
51. ALL STORM SEWER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH NCDOT AND THE CITY OF CHARLOTTE STANDARDS AND SPECIFICATIONS AND ALL OTHER CITY, STATE AND FEDERAL REGULATIONS AND/OR STANDARDS.
52. CATCH BASIN RIM ELEVATIONS ARE GIVEN TO EDGE OF ASPHALT, YARD INLETS TO FINISHED GRADE.
53. RIM ELEVATIONS/LOCATIONS GIVEN ON THESE PLANS ARE APPROXIMATE AND ARE FOR INFORMATIONAL PURPOSES ONLY. ACTUAL RIM ELEVATION/LOCATIONSS SHALL BE DETERMINED BY CONTRACTOR AND ADJUSTED TO MATCH FIELD CONDITIONS.
54. THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA. ANY OTHER OBJECTS WHICH IMPEDE STORMWATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.
55. THE PURPOSE OF THE POST CONSTRUCTION CONTROLS EASEMENT (PCE) IS TO PROVIDE STORM WATER CONVEYANCE AND FOR THE CONTROL AND TREATMENT OF STORM WATER RUNOFF. BUILDINGS OR ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW, SYSTEM PERFORMANCE, OR SYSTEM MAINTENANCE ARE PROHIBITED. THIS EASEMENT ALSO PROVIDES FOR UNLIMITED ACCESS FOR INSPECTION AND MAINTENANCE PURPOSES TO BE PERFORMED ON THE BMP AS REQUIRED BY THE CITY OF CHARLOTTE STORM WATER ORDINANCE POST CONSTRUCTION CONTROL REGULATIONS.
56. ALL LINEAR FOOTAGE FOR ALL UTILITY PIPES ARE APPROXIMATE, ACTUAL INSTALLED QUANTITIES MAY VARY.

57. STORM SEWER LEAD-INS TO BUILDINGS SHALL NOT BE INSTALLED UNTIL BUILDING PLANS ARE COMPLETED AND LOCATIONS ESTABLISHED ON THE ARCHITECTURAL PLANS. LEAD-INS MAY CHANGE 15' HORIZONTALLY AND 3' VERTICALLY PRIOR TO INSTALLATION AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL REQUEST AND RECEIVE WRITTEN APPROVAL FROM PRIME CONTRACTOR PRIOR TO INSTALLATION OF LEAD-INS. CONTRACTOR SHALL COORDINATE LOCATIONS, SIZE AND INVERT ELEVATIONS OF STORM SEWERS WITH APPROVED BUILDING PLUMBING PLANS. STORM SEWER LEAD-INS SHALL HAVE A MINIMUM OF 1.0% SLOPE.
58. MINIMUM COVER ON ALL STORM PIPES SHALL BE 3 FEET FOR HDPE AND CLASS III RCP. CLASS IV RCP SHALL BE USED WHERE COVER WILL BE LESS THAN 3'.
59. ALL NON-STANDARD DRAINAGE STRUCTURES (CB'S, HW'S, FES'S, BOTTOMLESS CULVERTS, ETC.) WILL REQUIRE SEALED CONSTRUCTION DRAWINGS.
60. ALL DI (DROP INLETS) SHALL BE NCDOT DROP INLET (STD. #840.14) WITH FRAME AND GRATE (STD. #840.16), UNLESS NOTED OTHERWISE ON PLANS.
61. ALL CI (CATCH INLETS) AND DCI (DOUBLE CATCH INLETS) SHALL BE NCDOT CATCH BASIN (STD. #840.02) WITH FRAME GRATE AND HOOD (STD. #840.03).
62. STORM DRAIN PIPE TO FOLLOW THE APPROVED NCDOT AND CITY OF CHARLOTTE STANDARDS AND SPECIFICATIONS. HDPE AND RCP STORM DRAINAGE PIPE INSTALLED WITHIN EXISTING OR PROPOSED PUBLIC RIGHT-OF-WAY MUST BE APPROVED BY THE INSPECTOR PRIOR TO ANY BACKFILL BEING PLACED. BACKFILL MATERIAL MUST BE APPROVED BY THE INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
  - 62.1. ALL RCP PIPE INSTALLED MUST BE INSPECTED AND APPROVED BY THE INSPECTOR PRIOR TO ANY BACKFILL BEING PLACED. THE INSPECTOR MUST BE PRESENT DURING THE BACKFILLING OPERATION AS WELL.
  - 62.2. BACKFILL MATERIAL USED TO INSTALL RCP PIPE WITHIN THE STREET RIGHT-OF-WAY SHALL BE SELECT MATERIAL, CLASS II-IV, AS DEFINED BY SECTION 1016-3 OF THE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. UPON SUBMITTAL OF WRITTEN CERTIFICATION OF MATERIAL SUITABILITY BY A LICENSED GEOTECHNICAL ENGINEER, NCDOT CLASS I SELECT MATERIAL MAY BE USED. ALL BACKFILL MATERIAL SHALL BE APPROVED BY THE INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE STREET RIGHT-OF-WAY.
63. HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPE INSTALLED WITHIN EXISTING OR PROPOSED PUBLIC STREET RIGHT-OF-WAY MUST BE APPROVED BY THE CITY'S INSPECTOR PRIOR TO ANY BACKFILL BEING PLACED. BACKFILL MATERIAL MUST BE APPROVED BY THE CITY INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE PUBLIC STREET RIGHT-OF-WAY.
64. ALL BMPS THAT ARE NOT LOCATED ADJACENT TO A PUBLIC RIGHT OF WAY WILL REQUIRE THE OWNER TO PROVIDE A TWENTY (20) FOOT WIDE ACCESS EASEMENT IN FAVOR OF THE CITY THAT CONNECTS THE BMP TO THE PUBLIC RIGHT OF WAY.
65. BMP, STORM SEWER, SANITARY SEWER AND ANY OTHER AS-BUILTS SHALL BE PROVIDED BY THE CONTRACTOR.
66. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO BMP CONSTRUCTION TO DETERMINE AS-BUILT REQUIREMENTS.
67. PRIOR TO CO. SURVEYOR SEALED AS-BUILT DRAWINGS OF ALL WATER QUALITY BMP'S AND DETENTION SYSTEMS MUST BE PROVIDED.
68. BMP PCE AND MAINTENANCE AGREEMENT MUST BE RECORDED PRIOR TO ISSUANCE OF CO.
69. CONTRACTOR SHALL BE RESPONSIBLE FOR GETTING PUBLIC ROADS AND UNDERGROUND UTILITIES APPROVED AND ACCEPTED BY THE APPROPRIATE AGENCY.
70. "AS-BUILT" DRAWINGS AND PLANS OF THE STORM DRAINAGE SYSTEM, INCLUDING DESIGNED DITCHES, MUST BE SUBMITTED PRIOR TO SUBDIVISION FINAL INSPECTION TO THE CITY/COUNTY ENGINEERING DEPARTMENT IN ACCORDANCE WITH THE CITY/COUNTYSUBDIVISION ORDINANCE.
71. COORDINATE ALL CURB AND STREET GRADES AT INTERSECTIONS WITH INSPECTOR.
72. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.50% SLOPE ON THE CURB.
73. ALL ROAD IMPROVEMENTS AT ARE TO BE COORDINATED WITH THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
74. ROAD AND ROAD IMPROVEMENTS
  - 74.1. CONTRACTOR SHALL MILL A 1' WIDE STRIP ALONG EX. EDGE OF ASPHALT TO A DEPTH EQUAL TO THE FINAL LIFT OF ASPHALT TO PROVIDE A SMOOTH TRANSITION AT THE TIE-IN TO EXISTING EDGES OF PAVEMENT (WHEN APPLICABLE).
  - 74.2. JOINTS OR SCORE MARKS ARE TO BE SHARP AND CLEAN WITHOUT SHOWING EDGES OF JOINTING.
  - 74.3. DO NOT POUR ANY CONCRETE BEFORE FORMS ARE INSPECTED AND APPROVED BY THE PROJECT MANAGER OR INSPECTOR AS APPLICABLE.
  - 74.4. CONTRACTOR SHALL SAW-CUT TIE-INS AT EXISTING CURBS AND SIDEWALKS AS NECESSARY TO INSURE SMOOTH TRANSITIONS. CONTRACTOR SHALL SAW-CUT AND TRANSITION TO MEET EXISTING PAVEMENT AS NECESSARY AND AS DIRECTED BY INSPECTOR TO INSURE POSITIVE DRAINAGE. (TYP. ALL INTERSECTIONS)
  - 74.5. WHERE ASPHALT MEETS CONCRETE PAVING SUCH AS AT CONCRETE CURBING, THE ASPHALT SHOULD BE FINISHED 1/4" TO 1/2" ABOVE THE CONCRETE SURFACE TO ALLOW FOR FURTHER TRAFFIC COMPACTION OF THE ASPHALT.
  - 74.6. DURING PREPARATION OF THE SUB-GRADE AND UNTIL THE PAVING IS IN PLACE, THE CONTRACTOR SHALL PROMPTLY TAKE REASONABLE ACTION TO OBTAIN AND MAINTAIN A DRY SITE CONDITION. SUCH MEASURES SHALL INCLUDE PUMPING OF FREE SURFACE WATER, MINOR MACHINE OR HAND SHAPING TO FACILITATE WATER REMOVAL AND OTHER OPERATIONS TO SPEED DRYING.
  - 74.7. CONTRACTOR SHALL TRIM, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
75. CURB AND GUTTER SHOWN ON PLANS ALONG MAY BE ADJUSTED BASED UPON FIELD STAKING BY CITY ENGINEERING. ASSOCIATED STORM DRAINAGE MAY ALSO REQUIRE MODIFICATION BASED UPON FIELD CONDITIONS.
76. ALL PERSONS OR AGENCIES DOING WORK IN THE PUBLIC STREETS, HIGHWAYS, OR PUBLIC RIGHTS-OF-WAY ARE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, COORDINATING THE WORK WITH ALL AFFECTED GOVERNMENT AGENCIES AND UTILITIES AND INFORMING OCCUPANT OF ADJACENT PROPERTIES OF ACCESS IMPACTS DUE TO THE WORK.
77. ALL LANE CLOSURES THAT ARE REQUIRED SHALL FOLLOW NCDOT AND CDOT STANDARDS AND SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
78. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
79. SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.
80. IN ROLLING AND HILLY TERRAINS, SWEEPING OF THE STONE BASE AND/OR APPLICATION OF A TACK COAT MAY BE REQUIRED NEAR INTERSECTIONS. THESE REQUIREMENTS WILL BE ESTABLISHED BY THE INSPECTOR AND BASED ON FIELD CONDITIONS.
81. PRIOR TO PLAT RECORDATION, OFF SITE R/W AND/OR CONSTRUCTION EASEMENTS ARE REQUIRED TO BE OBTAINED ACCORDING TO THE GUIDELINES OF THE "OFF SITE R/W ACQUISITION PROCESS". THESE NEEDED R/W AND CONSTRUCTION LIMITS ARE CLEARLY SHOWN ON THE ROADWAY IMPROVEMENT PLAN.
82. DEVELOPER SHALL CONTACT CDOT (STEPHEN BOLT, 704-432-5561) DURING SITE PLAN PREPARATION TO DISCUSS STREET LIGHTING REQUIREMENTS, IF ANY, FOR THIS PROJECT. COORDINATE WITH DUKE ENERGY AND CDOT AS NECESSARY TO DETERMINE LIGHTING LEVELS, LIGHTING LAYOUT AND REQUIREMENTS FOR INSTALLATION.
83. DEVELOPER WILL PROVIDE STREET SIGNS PER CLDSM# 50.05. (9' SIGNS ONLY)
84. TREES WITHIN THE STREET RIGHT OF WAY ARE PROTECTED BY LAW. A PERMIT IS REQUIRED PRIOR TO REMOVAL OF ANY RIGHT OF WAY TREES. ALL TREES OVER 8" IN DIAMETER AS MEASURED 4.5" ABOVE GROUND AND LOCATED WITHIN THE SETBACK ARE PROTECTED BY LAW.
85. ALL RETAINING WALLS REQUIRING SPECIAL INSPECTIONS (>5' IN HEIGHT) SHALL MEET THE REQUIREMENTS OF THE MCSBC CHAPTER 17 – SPECIAL INSPECTIONS AS DETAILED PER THE MECKLENBURG COUNTY CODE ENFORCEMENT SPECIAL INSPECTIONS PROCESS.
86. RETAINING WALLS INVOLVING A CULVERT OR LOCATED WITHIN THE INFLUENCE OF A ROAD MUST BE REVIEWED AND APPROVED BY LAND DEVELOPMENT. CULVERTS MUST HAVE HEADWALLS OR BE COLLARED.
87. CONSTRUCTION OF RETAINING WALL(S) CANNOT BEGIN UNTIL ALL NECESSARY PERMITS ARE ACQUIRED.
88. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS OF 80,000 POUNDS.
89. PER SECTION 18-175(e) OF THE CITY CODE AND SECTION 10.0 OF THE CITY'S POST CONSTRUCTION CONTROLS ADMINISTRATIVE MANUAL, ALL REQUIRED NATURAL AREAS AND/OR POST CONSTRUCTION CONTROLS EASEMENTS (PCEs) MUST BE RECORDED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.
90. ANY BUILDING WITHIN THE 100+1 STORMWATER ELEVATION LINE IS SUBJECT TO THE RESTRICTIONS OF THE (CITY OF CHARLOTTE/MECKLENBURG COUNTY) SUBDIVISION ORDINANCE, SECTION 7.200.8.
91. ANY CONSTRUCTION OR USE WITHIN THE FUTURE CONDITIONS FLOOD FRINGE LINE IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS OF THE CITY OF CHARLOTTE AND MECKLENBURG COUNTY.
92. PRIOR TO INSTALLATION, PE SEALED SHOP DRAWINGS FOR UNDERGROUND DETENTION SYSTEMS MUST BE FURNISHED TO CITY OF CHARLOTTE ENGINEERING FOR APPROVAL.
93. THE DEVELOPER SHALL CONTACT THE CHARLOTTE DEPARTMENT OF TRANSPORTATION (GUS JORDI, 704-336-7088) TO IDENTIFY ANY CONFLICTS WITH TRAFFIC SIGNALIZATION EQUIPMENT. 60-90 DAYS WILL BE REQUIRED TO COORDINATE RELOCATION. DEVELOPER SHALL BE RESPONSIBLE FOR ALL RELATED RELOCATION COST AND/OR ANY REPAIR COST CAUSED BY THE CONTRACTOR/DEVELOPER.
94. CERTIFICATION AND STREET CUT PERMITS ARE REQUIRED FOR UTILITY CUTS ON CITY STREETS. ALLOW 7 DAYS PROCESSING FOR PERMIT. FOR INFORMATION CONTACT CHARLOTTE DEPARTMENT OF TRANSPORTATION (704-336-4025) OR VISIT HTTP://WWW.CHARMECK.ORG/DEPARTMENTS/TRANSPORTATION/STREET+MAINTENANCE/HOME.HTM
95. SIDEWALK WITHIN THE CITY'S R/W THAT REQUIRES REPLACEMENT AS PART OF THE DEVELOPMENT AND/OR STREET IMPROVEMENTS SHOULD BE PHASED IN SUCH A WAY AS TO MINIMIZE THE DURATION OF THE SIDEWALK CLOSURE TO THE EXTENT FEASIBLE. THE DEVELOPER SHOULD MAKE EVERY ATTEMPT TO HAVE SIDEWALK REPAIRED AND REOPENED FOR PUBLIC USE WITHIN 30 DAYS OF REMOVAL.
96. ANY WORK WITHIN THE CITY'S R/W THAT REQUIRES CLOSURE OF THE SIDEWALK OR TRAVEL LANE FOR LESS THAN 30 DAYS REQUIRES A R/W USE PERMIT. TRAFFIC CONTROL PLANS FOR ANY SIDEWALK OR TRAVEL LANE CLOSURES MUST BE SUBMITTED AS PART OF THE R/W USE PERMIT REQUEST. TRAFFIC CONTROL PLANS MUST BE IN ACCORDANCE WITH CDOT'S WORK AREA TRAFFIC CONTROL HANDBOOK (WATCH) AND MUST BE REVIEWED AND APPROVED. CONTRACTOR SHALL CONTACT CDOT AT LEAST 5 BUSINESS DAYS IN ADVANCE OF BEGINNING OF WORK AT (704) 432-1562.
97. RIGHT-OF-WAY CLOSURES LONGER THAN 30 DAYS REQUIRE A R/W LEASE AGREEMENT WHICH WILL INCLUDE THE SUBMITTAL OF A TRAFFIC CONTROL PLAN. TRAFFIC CONTROL PLANS REQUIRED THROUGH A LEASE AGREEMENT MAY BE DIFFERENT FROM THE ONE REQUIRED DURING THE LAND DEVELOPMENT PLAN REVIEW AND ARE SUBJECT TO REVISIONS. THE REVISED TRAFFIC CONTROL PLANS MUST BE SUBMITTED AS PART OF THE LEASE AGREEMENT PROCESS FOR APPROVAL PRIOR TO START OF R/W CLOSURES. CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8348.
98. CONSTRUCTION STAGING WITHIN CITY R/W LASTING MORE THAN 30 DAYS REQUIRES A R/W LEASE AGREEMENT. CONTRACTOR SHALL CONTACT CDOT AT (704) 336-8348.

REVISIONS:

DATE: MAY 11, 2016  
DESIGNED BY: BWC  
CHECKED BY: BWC  
C.C. BY: KWR  
PROJECT #: 10.0665

SHEET #:

C-1.2

REA FARMS MAJOR INFRASTRUCTURE - PHASE 2

City of Charlotte, Mecklenburg County, North Carolina

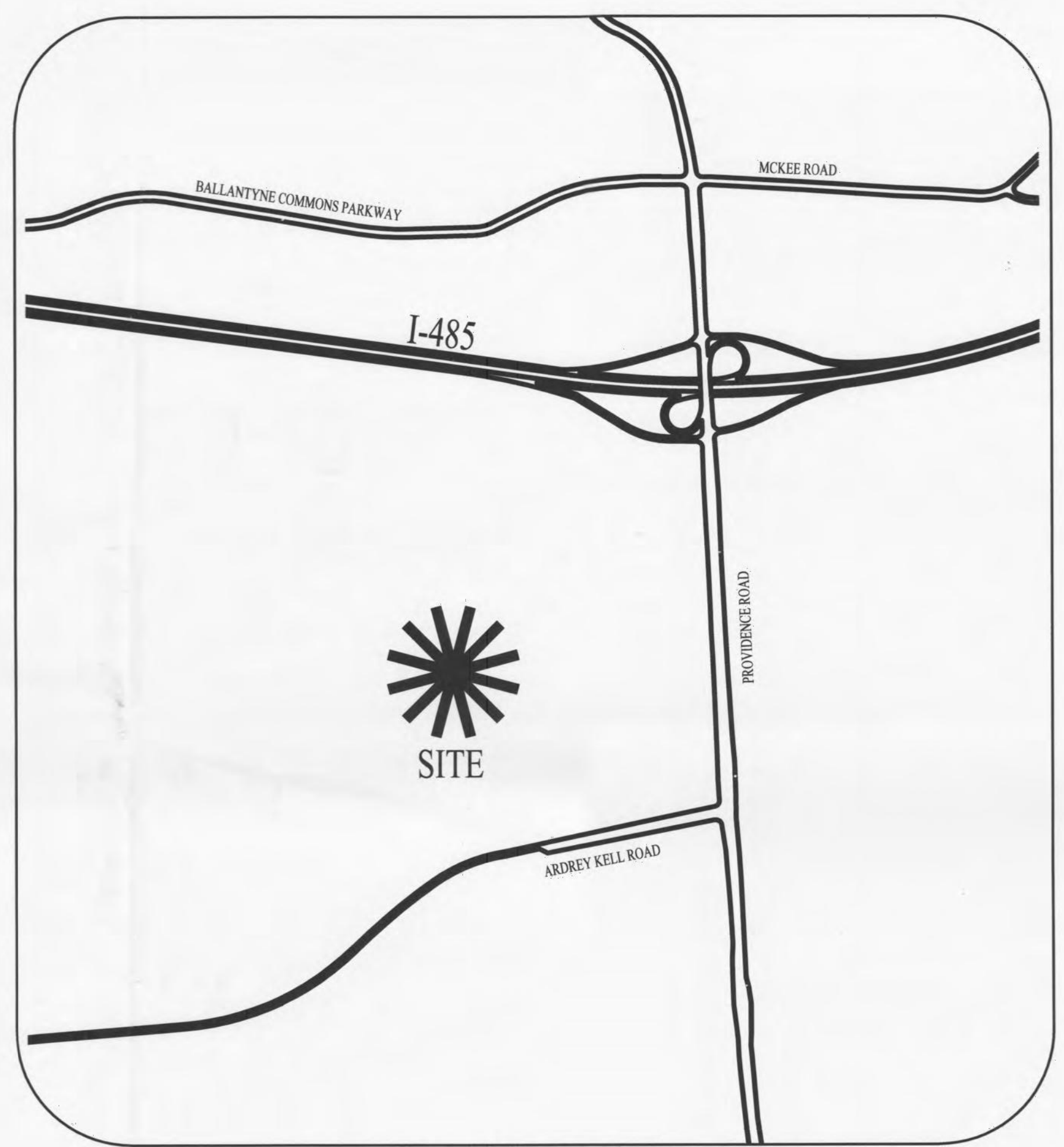
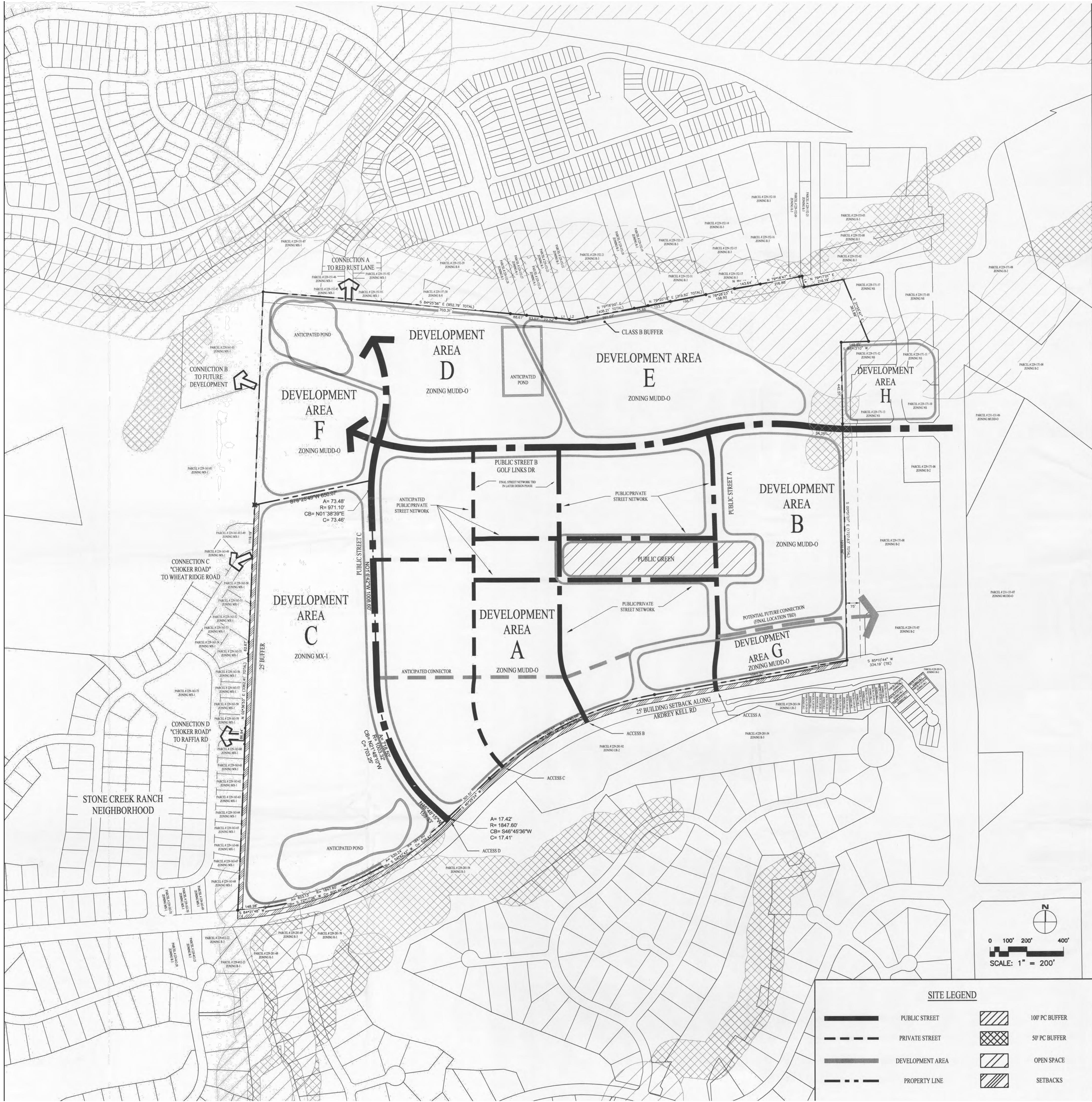
REA FARMS CONSTRUCTION, LLC; CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

STANDARD NOTES



**LandDesign**  
223 N Graham Street, Charlotte, NC 28202  
V: 704.333.0325 F: 704.932.3246  
N.C. Eng. Firm License: C-0658





VICINITY MAP  
NTS

APPROVED BY  
CITY COUNCIL

APR 20 2015

SITE DEVELOPMENT DATA

SITE ACREAGE:	±193.73 AC
TAX PARCELS:	229-171-01 229-171-10 229-171-11 229-171-12 229-171-13
PROPOSED ZONING:	MUDD-O, AND MX-1 Innovative with five (5) year vested rights
EXISTING ZONING:	R-3 and NS
EXISTING USES:	Abandoned Golf Course
PROPOSED USES:	Uses permitted by right and under prescribed conditions together with accessory uses, as allowed in the MUDD-O zoning district and the MX-1 innovative zoning district (as more specifically on the following pages).
MAXIMUM GROSS SQUARE FEET OF DEVELOPMENT:	(a) Within the MUDD-O zoning district <ul style="list-style-type: none"><li>• up to 900,000 square feet of gross floor area of office, retail, restaurant, daycare, personal services, and other commercial uses (as more specifically described below in on the following pages):</li><li>• up to 265,000 square feet of Institutional uses;</li><li>• up to 250,000 square feet of Indoor and Outdoor Recreational uses;</li><li>• up to 500 residential dwelling units of all types;</li><li>• up to 300 dwelling units within an Adult Care Center or Nursing Home; and</li><li>• up to 54,000 square feet of commercial floor area within Development Area H only.</li></ul> (b) Within the MX-1 Innovative zoning district: <ul style="list-style-type: none"><li>• up to 200 detached or attached dwelling units</li></ul>
MAXIMUM BUILDING HEIGHT:	As allowed by the Ordinance in the area zoned MX-Innovative. In the area zoned MUDD-O, building height will be limited to 95 feet (for the purposes of this height limit, architectural features, (such as parapets, spires, mansards, domes and dormers), roof top mechanical equipment, and screens or devices used to screen roof top structures or equipment will not be considered for the calculation of allowed building height when located on a multi-story office building).
PARKING:	(a) As required by the Ordinance for the MX-1 Innovative portion of the Site; and (b) as required by the Ordinance for the portion of the Site zoned MUDD-O.
TOTAL OPEN SPACE:	33.5 AC (includes buffers and public open space)

SITE LEGEND			
	PUBLIC STREET		100' PC BUFFER
	PRIVATE STREET		50' PC BUFFER
	DEVELOPMENT AREA		OPEN SPACE
	PROPERTY LINE		SETBACKS



Site Development Data:

- Acreage: ± 193.73 acres  
--Tax Parcel: 229-171-01  
229-171-10  
229-171-11  
229-171-12  
229-171-13  
--Existing Zoning: R-3 and NS  
--Proposed Zoning: MUDD-O; and MX-1 Innovative with five (5) year vested rights.  
--Existing Uses: Abandoned golf course, office.  
--Proposed Uses: Uses permitted by right and under prescribed conditions together with accessory uses, as allowed in the MUDD-O zoning district and the MX-1 innovative zoning district (as more specifically described below).

--Maximum Gross Square feet of Development:

- a. Within the MUDD-O zoning district  
up to 900,000 square feet of gross floor area of office, retail, restaurant, personal services, and other commercial uses (as more specifically described below);  
up to 265,000 square feet of Institutional uses;  
up to 250,000 square feet of Indoor and Outdoor Recreational uses;  
up to 500 residential dwelling units of all types;  
up to 300 dwelling units within an Adult Care Center or Nursing Home; and  
up to 54,000 square feet of commercial floor area within Development Area H only.
- b. Within the MX-1 Innovative zoning district:  
up to 200 detached or attached dwelling units

--Maximum Building Height: As allowed by the Ordinance in the area zoned MX-Innovative. In the area zoned MUDD-O, building height will be limited to 95 feet (for the purposes of this height limit, architectural features, (such as parapets, spires, mansards, domes and dormers), roof top mechanical equipment, and screens or devices used to screen roof top structures or equipment will not be considered for the calculation of allowed building height when located on a multi-story office building).

--Parking:

- a. As required by the Ordinance for the MX-1 Innovative portion of the Site; and  
b. as required by the Ordinance for the portion of the Site zoned MUDD-O.

I. General Provisions:

- a. **Site Description.** These Development Standards and the Technical Data Sheet form the rezoning plan (hereafter collectively referred to as the “Rezoning Plan”) associated with the Rezoning Petition filed by Lincoln Harris (“Petitioner”) to accommodate development of a mixed use commercial and residential community on an approximately 193.73 acre site located south of I-485 in the northwest quadrant of the intersection between Providence Road and Ardrey Kell Road (the “Site”).
- On February 13, 2015, the Petitioner filed an Amended Rezoning Application to add three parcels on the north side of Golf Links Drive (Tax Parcels 229-171-10, 229-171-12 and 229-171-13) totaling approximately 3.85 acres to the Rezoning Plan (referred to herein as Development Area H). The purpose of incorporating Development Area H is to allow the Site to have signage on Providence Road. Development activity within Development Area H shall be governed by the site plan and development conditions on RZ-5.
- b. **Zoning Districts/Ordinance.** Development of the Site will be governed by the Rezoning Plan as well as the applicable provisions of the City of Charlotte Zoning Ordinance (the “Ordinance”). Unless the Rezoning Plan establishes more stringent standards,
1. the regulations established under the Ordinance for the MUDD-O zoning classification for the portion of the Site so designated on the Rezoning Plan shall govern all development taking place on such portion of the Site, subject to the Optional Provisions provided below; and
2. the regulations established under the Ordinance for the MX-1 Innovative zoning classification for the portion of the Site so designated on the Rezoning Plan shall govern all development taking place on such portion of the Site, subject to the Innovative Provisions provided below.
- c. **Conceptual Master Plan.** The Technical Data Sheet is also accompanied by: a Conceptual Master Plan. Petitioner shall develop the Site in a manner generally consistent with the Conceptual Master Plan, with the understanding that the configurations, placements and sizes of buildings, parking areas and opens spaces may be altered or modified as long as the ultimate design is consistent with the spirit and intent of the Conceptual Master Plan. The configurations, placements, number and sizes of the buildings and treatment of open space areas depicted on the Conceptual Master Plan and any building designs depicted are conceptual in nature and therefore are subject to refinements as part of the total design process. They may, therefore, be altered or modified, in accordance with Section 6.207 of the Ordinance, during design development and construction document phases so long as the maximum building envelope lines and intensity limitations established on the Technical Data Sheet are not violated and the proposed alterations or modifications do not exceed the parameters established under these Development Standards and under the Ordinance for the MUDD District.
- d. **Planned/Unified Development.** The Site shall be viewed as a planned/unified development plan as to the elements and portions of the Site generally depicted on the Rezoning Plan. As such, setbacks, side and rear yards, buffers, building height separation standards, FAR requirements, and other similar zoning standards will not be required internally between improvements and other site elements located on the Site nor between the areas zoned MUDD-O and MX-Innovative. Furthermore, the Petitioner and/or owner of the Site reserve the right to subdivide portions or all of the Site and create lots within the interior of the Site without regard to any such internal separation standards, public/private street frontage requirements and FAR requirements, provided, however, that all such separation standards along the exterior boundary of the Site shall be adhered to and all FAR requirements will be regulated by any development limitations set forth in Section IV below as to the Site as a whole and not individual portions or lots located therein. Setbacks along private streets shall be at least 16 feet.
- e. **Five Year-Vested Rights.** Pursuant to the provisions of Section 1.110 of the Ordinance and N.C.G.S. Section 160A-385.1, due to the master planned large scale nature of the development and/or redevelopment, the level of investment, the timing of development and/or redevelopment and certain infrastructure improvements, economic cycles and market conditions, this Petition includes vesting of the approved Rezoning Plan and conditional zoning districts associated with the Petition for a five (5) year period.

II. Optional Provisions for the MUDD-O Area.

The following optional provisions shall apply to Development Areas A, B, D, E, F and G. Optional provisions related to Development Area H are provided on Sheet RZ-5.

- a. To allow vehicular parking, maneuvering and service areas between the proposed buildings and: (i) Ardrey Kell Road; (ii) Golf Links Drive; and (iii) the interior public and private streets. Additional detail on where and how parking and maneuvering is allowed to occur between the buildings and streets is contained in Sections VI and VII below.
- b. To allow up to four (4) uses with accessory drive-through windows to be located within Development Areas B and G.
- c. To allow the existing cellular telephone tower within Development Area E to remain.
- d. To allow along Providence Road, two (2) ground mounted shopping center/development identification signs up to 24 feet in height and containing up to 150 square feet of sign area. These signs may be used to identify any of the uses located on the Site.
- e. To allow along Ardrey Kell Road, two (2) ground mounted shopping center/development identification signs up to 24 feet in height and containing up to 150 square feet of sign area. These signs may be used to identify any of the uses located on the Site.
- f. To allow one (1) detached ground mounted identification sign for each nonresidential building located within Development Areas A, B, D, E and G. In the event that a residential use fronts Ardrey Kell Road, it shall be permitted one (1) detached ground mounted identification sign. These detached identification signs may be up to five (5) feet in height and contain up to 36 square feet of sign area.
- g. To allow wall signs having up to 200 square feet of sign surface area per wall or 10% of the wall area to which they are attached, whichever is less, within Development Areas A, B, D, E, and G.

- h. To allow special event signs and banners not to exceed 100 square feet in sign area, at the intersection of Providence Road and Golf Links Drive and at the intersection of Ardrey Kell and the Site's main north/south street connection. Any banners located at these intersections will be well-designed, professionally fabricated banners made of fabric or plastic of any type. Paper banners will not be allowed; and no more than two (2) banners will be allowed at a time at these intersections.
- i. To allow any of the detached signs permitted by the Ordinance or these Optional Provisions to be placed within the setback provided along Ardrey Kell Road or Providence Road, including within landscape areas indicated on the Rezoning Plan, as long as signage is no closer than fourteen feet from back of curb.
- j. To allow, at the Petitioner's discretion, the ability to have one unified construction sign on Ardrey Kell Road up to 200 square feet in sign area in lieu of multiple construction signs as permitted by the Ordinance.

**Note:** The optional provisions regarding certain signs are additions/modifications to the standards for signs in the MUDD zoning district and are to be used with the remainder of MUDD standards for signs not modified by these optional provisions.

- k. To not require doorways to be recessed into the face of buildings when the abutting sidewalk width is greater than twelve (12) feet.
- l. To allow required long term bike parking spaces to be located within parking structure.
- m. To allow deviations from typical streetscape standards. However, any changes to dimensional requirements are allowable only in cases of hardship.

III. Innovative Development Standards for the MX-1 Area.

The following provisions shall apply to the portions of the Site designated MX-1 on the Technical Data Sheet:

- a. The Petitioner hereby seeks the following Innovative Development Standards in connection with development taking place within MX-1 areas, to accommodate a variety of setback and yard widths and other development elements so as to allow for a pedestrian friendly residential development:
1. Minimum lot size for detached dwellings shall be 3,800 square feet, however lots abutting Stone Creek Ranch shall exceed 9,000 square feet;
2. Minimum lot widths for detached dwellings shall be 35 feet; however lots abutting Stone Creek Ranch shall be at least 60 feet in width;
3. Minimum side yards for detached dwellings shall be 5 (five) feet;
4. Minimum rear yards for detached dwellings shall be 20 (twenty) feet, however lots abutting Stone Creek Ranch shall provide rear yards of at least 35 feet;
5. Minimum front setbacks for detached dwellings shall be 14 (fourteen) feet as measured from proposed right-of-way or back of sidewalk (whichever is greater);
6. Minimum lot widths for attached dwellings shall be 22 (twenty two) feet; however attached dwellings shall only be permitted adjacent to Public Street C and along the extension of Public Street B; and
7. Residential uses may front on private streets as long as they are publicly accessible.
- b. In addition, the Petitioner reserves the right to modify the innovative development standards described above or seek other innovative development standards in the future pursuant to the applicable process set forth in the Ordinance.

IV. Permitted Uses, Development Area Limitations, Transfer and Conversion Rights:

- a. The Rezoning Plan sets forth seven (7) development areas as generally depicted on the Technical Data Sheet as Development Areas A, B, C, D, E, F, G and H (each a “Development Area” and collectively the “Development Areas”).
- b. Subject to the restrictions, limitations, and transfer/conversion rights listed below, the principal buildings constructed within Development Areas A, B, D, E, F and G on the Site may be developed: (i) with up to 900,000 square feet of gross floor area of commercial non-residential uses permitted by right and under prescribed conditions, (ii) up to 265,000 square feet gross floor area of Institutional Uses; (iii) up to 250,000 square feet of gross floor area of Indoor and Outdoor Recreational uses; (iv) 500 residential dwelling units of all types together; and (v) up to 300 Nursing Home or Adult Care Center units, along with any accessory uses allowed in the MUDD zoning district.
- c. In order to encourage the integration of retail uses into the ground floor levels of office or multi-family buildings with Development Areas A and B, the square footages of any such retail spaces shall not be counted towards the maximum amount of commercial or retail square footage allowed within the Site.
- d. Permitted uses within Development Area C shall be limited to detached or attached dwelling units. No more that 200 dwelling units may be developed within Development Area C. However, if less that 200 dwelling units are developed within Development Area C, then one additional detached or attached dwelling may be developed within Development Areas A, D, E and F for each dwelling unit not developed within Development Area C.
- e. For purposes of the development limitations set forth in these Development Standards (the term “gross floor area” or “GFA” shall mean and refer to the sum of the gross horizontal areas of each floor of a principal building on the Site measured from the outside of the exterior walls or from the center line of party walls: provided, however, such term shall exclude any surface or structured parking facilities, areas used for building and equipment access (such as stairs, elevator shafts, vestibules, roof top equipment rooms and maintenance crawl spaces), all loading dock areas (open or enclosed), outdoor coolers and outdoor dining areas whether on the roof of the building(s) or at street level (parking for outdoor dining areas will be provided as required by the Ordinance or these development standards).
- f. Permitted uses within Development Area D shall be limited to institutional uses and detached or attached dwelling units not to exceed four (4) dwelling units per acre based on the overall gross acreage (subject to the overall limit on residential dwellings within the Site), together with any accessory uses typically associated with residential development.
- g. Permitted uses within Development Area E shall be limited to indoor recreation, outdoor recreation, nursing homes, adult care centers, and detached or attached dwelling units not to exceed four (4) dwelling units per acre based on the overall gross acreage (subject to the overall limit on residential dwellings within the Site), together with any accessory uses typically associated with residential development.
- h. Permitted uses within Development Area F shall be limited to nursing homes, adult care centers, and detached or attached dwelling units not to exceed four (4) dwelling units per acre based on the overall gross acreage (subject to the overall limit on residential dwellings within the Site), together with any accessory uses typically associated with residential development.
- i. Convenience Stores with gasoline sales shall not be permitted on the Site.
- j. The total square feet of gross floor area devoted to office uses and other commercial uses such as retail, restaurant and personal service uses shall be interchangeable provided that:
1. the total square feet of gross floor area of all such office and other commercial uses does not exceed 900,000 square feet of gross floor area;
2. the total square feet of gross floor area of all office uses does not exceed 650,000 square feet of gross floor area;
3. in the event that a hotel use is developed, the total allowable square footage for office and other commercial uses shall be reduced by 1,000 square feet for each hotel room that is developed; and
4. the total square feet of gross floor area for non-office commercial uses such as retail, restaurant and personal service uses shall not exceed 250,000 square feet of gross floor area in purposes of these Development Standards (Personal Service uses are defined as uses that primarily provide or sell a service to customers versus the selling of goods. A personal service use may also sell products or merchandise but the sale of products and merchandise is typically ancillary. Examples of Personal Service uses include but are not limited to: beauty salons and barber shops, spas, yoga and exercise studios, nail salons, massage shops, martial art training studios, laundries and dry cleaning establishments, locksmiths, and alike).
5. Office uses may exceed the limitations described in Paragraph IV.j.2. and non-office commercial uses may exceed the limitations described in Paragraph IV.j.4. up to an amount not to exceed 10% of the stated amounts by converting office uses into non-office commercial uses such as retail, restaurant and personal services at a ratio of 1 square foot of gross floor area of office uses for every 1 square foot of gross floor area of such non-office uses so converted and vice-versa, subject to the limitation described in item (i) above.

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- k. Subject to the limitations set forth below, up to four (4) uses with accessory drive-through windows may be developed within Development Areas B and G, subject to the following restrictions and the design guidelines set forth in Section VI below:
- No more than three (3) restaurants with accessory drive-through windows may be located within Development Areas B and G;
  - No more than two (2) banks/financial institutions with accessory drive-through windows may be located within Development Areas B and G.
  - One (1) retail pharmacy with accessory drive-through windows may be located within Development Areas B or G.

V. Transportation

- a. All public roadway improvements will be subject to the standards and criteria of CDOT and NCDOT, as applicable, to the roadway improvements within their respective road system authority. It is understood that such improvements may be undertaken by the Petitioner on its own or in conjunction with other development or roadway projects taking place within the broad south Mecklenburg area, by way of a private/public partnership effort or other public sector project support.
- b. **Access and Internal Streets:**
- Access to the Site will be from Ardrey Kell Road, the proposed extension of Golf Links Drive and future streets as generally depicted on the Rezoning Plan, subject to adjustments as set forth below.
  - The total number of access points to Ardrey Kell Road will be limited to four (4).
  - The proposed street connections to adjoining properties along the western boundary of the property shall be provided at the locations specified on the Technical Data Sheet in order to ensure that connections align with existing stub streets or proposed streets on adjoining properties. These street connections along the western property boundary shall be designed with careful consideration of existing and future single family neighborhoods. The design and layout of street connections from those external access points to the internal street network will be determined during the design process and efforts will be made to discourage through traffic on Raffia Road and Wheat Road.
  - “Choker” road shall be installed connecting the Site to Wheat Road and Raffia Road in order to discourage and slow traffic through the adjacent Stone Creek Ranch neighborhood. A Conceptual Cross-Section of the proposed choker connections is illustrated on Sheet RZ-4.
  - The street connection to Raffia Road shall not be completed until Certificates of Occupancy have been issued for homes on at least 50% of the single-family lots proposed within Development Area C or until a Certificate of Occupancy is issued for a public school within the Site.
  - The street connection to Wheat Road shall not be completed before Certificates of Occupancy have been issued for homes on at least 85% of the single-family lots proposed within Development Area C.
  - The number and location of internal streets not depicted on the Rezoning Plan will be determined during the design process and thereafter with approval from appropriate governmental authorities, subject to applicable statutes, ordinances and regulations such as subdivision and driveway regulations. While some individual blocks may be longer, the average block length for all blocks within Development Areas A, B and G, shall not exceed 650 feet.
  - Vehicular access to the residential dwellings located within Development Area C may be from private alleys or private streets.
  - The Petitioner reserves the right to request the installation of pavers and/or stamped or colored asphalt within the Site's public streets in order to designate and define pedestrian cross-walks. The Petitioner will coordinate the design of any decorative pavement elements proposed within the public right-of-way with CDOT during the driveway permit process. Furthermore, the Petitioner understands that an encroachment and maintenance agreement must be obtained from CDOT before any decorative pavers and/or stamped pavement proposed in the public right-of-way may be installed.
  - The alignment of the internal public and private streets, vehicular circulation and driveways may be modified by the Petitioner, subject to CDOT's final approval, to accommodate minor changes in traffic patterns, parking layouts and any adjustments required for approval by the Charlotte Department of Transportation (CDOT) in accordance with published standards and industry best practices so long as the street network set forth on the Rezoning Plan is not materially altered.
- c. **Substantial Completion.** Reference to “substantially complete” for certain improvements as set forth in the provisions of Section V.b above and Section V.d below shall mean completion of the roadway improvements in accordance with the standards set forth in Section V.a. above provided, however, in the event certain non-essential roadway improvements (as reasonably determined by CDOT) are not completed at the time that the Petitioner seeks to obtain a certificate of occupancy for building(s) on the Site in connection with related development phasing described above, then CDOT will instruct applicable authorities to allow the issuance of certificates of occupancy for the applicable buildings, and in such event the Petitioner may be asked to post a letter of credit or a bond for any improvements not in place at the time such a certificate of occupancy is issued to secure completion of the applicable improvements.
- d. **Roadway Improvements and Phasing.** Petitioner shall provide or cause to be provided on its own or in cooperation with other parties who may implement portions of the improvements, the improvements set forth below to benefit overall traffic patterns throughout the area in accordance with the following implementation provisions:

**Phase 1 Improvements.** The following improvements shall be substantially completed prior to the issuance of a Certificate of Occupancy for the first building developed on the Site:

- Public Street B (Golf Links Drive Extension) shall be extended from the existing Golf Links Drive to the proposed Public Street C. Public Street B will be designed for at least an Office/Commercial wide cross-section with right-of-way width of at least 77 feet, subject to alterations that may be approved by CDOT. Petitioner shall comply with planting strip and sidewalk standards effective at the time of construction as long as the total width of sidewalk and planting strip area does not exceed sixteen (16) feet
- A public street connection from Public Street B extending north through Development Area D to connect to Red Rust Lane..
- Public Street C shall be extended from Ardrey Kell Road through the Site to Public Street B.
- Providence Road (NC 16) and Reconfigured Golf Links Drive/Waverly Offsite Access (reconfigured signalized intersection):
  - Construct a second eastbound left turn lane on Golf Links Drive with 525 feet of storage, appropriate bay taper, along with a median within Golf Links Drive extending from Providence Road to a point at least fifty (50) feet west of Golf Links Drive North. Thus providing dual left turn and with appropriate design.
  - With the installation of the traffic signal (upon approval by CDOT and NCDOT), install high-visibility crosswalks with pedestrian signal heads and pushbuttons across all four legs of the intersection.
  - Install 425 feet of storage and a southbound right turn lane on Providence Road with appropriate bay taper.
- Ardrey Kell Road and Proposed Access “D” (future signal)
  - Construct an eastbound left turn lane on Ardrey Kell Road with 400 feet of storage and an appropriate bay taper.
  - With the installation of the traffic signal (upon approval by CDOT and NCDOT), install a high-visibility crosswalk with pedestrian signal heads and pushbuttons across the Proposed Access “D” leg of the intersection.

**Phase 2 Improvements.** The following improvements shall be substantially completed prior to the development of more that 50,000 square feet of office or retail uses within Development Area A or Development Area B:

- Public Street A, located between Development Area A and Development Area B, connecting Public Street B and Ardrey Kell Road.
- Ardrey Kell Road and Providence Row Lane/Proposed Access “A” (future signal):
  - Construct dual eastbound left turn lanes on Ardrey Kell Road with 325 feet of storage each and an appropriate bay taper.

- Construct a second westbound combined thru-right turn lane on Ardrey Kell Road that commences at the existing drop right turn lane located approximately 500 feet west of Providence Road and terminates at the existing right turn lane at Avaly Road (along the entire site frontage - a length of approximately ¾ of a mile). The Ardrey Kell Road curbline shall be set in a location that will accommodate one half of a future median and a westbound bike lane.

- On Access “A” construct the following:

- Dual northbound receiving lanes.

- Dual southbound left turn lanes where the outside left turn lane is a termination of the southbound through lane and the inside left turn lane provides 400 feet of storage.

- Combination southbound through/right turn lane.

- With the installation of the traffic signal (upon approval by CDOT and NCDOT), install a high-visibility crosswalk with pedestrian signal heads and pushbuttons across the Proposed Access “A” leg of the intersection. In addition, construct a pedestrian refuge island within the painted-out median on the east side of the intersection.

- Ardrey Kell Road and Proposed Right-In/Right-Out Only Access “B” (unsignalized):

- The Proposed Right-in/Right-Out Only Access “B” should include one ingress lane and one egress lane that terminates as a right turn exit lane.

- A raised median (minimum four-foot width) should be installed in Ardrey Kell Road a minimum of 50 feet on either side of the access to restrict left entering and exiting movements.

- The additional westbound through lane along the site frontage (discussed above) will create a westbound combined through-right turn lane (which terminates at the existing right turn lane at Avaly Road).

- Ardrey Kell Road and Proposed Right-In/Right-Out Only Access “C” (unsignalized):

- The Proposed Right-in/Right-Out Only Access “C” should include one ingress lane and one egress lane that terminates as a right turn exit lane.

- A raised median (minimum four-foot width) should be installed in Ardrey Kell Road a minimum of 50 feet on either side of the access to restrict left entering and exiting movements.

- The additional westbound through lane along the site frontage (discussed previously) will create a westbound combined through-right turn lane (which terminates at the existing right turn lane at Avaly Road).

**Phase 3 Improvements.** The following improvements shall be substantially completed prior to the development of more than 225,000 square feet of office or retail uses within the Site:

- Providence Road (NC 16) and I-485 Inner Loop Ramps:
  - Re-mark the existing westbound combined left-thru lane on the Inner Loop Exit Ramp to a left turn lane.
  - Re-mark the existing westbound right turn lane on the Inner Loop Exit Ramp to a combined left-through-right turn lane and ensure proper through lane alignment.
  - Construct a westbound right turn lane on the Inner Loop Exit Ramp with 525 feet of storage and appropriate bay taper.
- Providence Road (NC 16) and I-485 Outer Loop Ramps:

Modify the existing southbound right turn lane on Providence Road to a combined thru-right turn lane. This will also require a minor amount of widening on the west side south of the intersection to receive this 3rd lane of traffic.
- Providence Road (NC 16) and Ardrey Kell Road/Future Ardrey Kell Road Extension (reconfigured signalized intersection):
  - Construct a second eastbound right turn lane on Ardrey Kell Road with 350 feet of storage and appropriate bay taper.
  - Extend and modify the existing median within Ardrey Kell Road west of Providence Road to provide a directional-crossover to allow left-in/right-in/right-out movements to the existing retail on the north side of Ardrey Kell Road while providing dual left turn lanes with appropriate design.
  - Construct a third southbound through-lane on Providence Road extending from Ardrey Kell Road to Providence Country Club Drive in accordance with the most recent design plan provided to CDOT by the Petitioner. In the event that the proposed design of the improvements is not approved by NCDOT, the Petitioner shall contribute to the City of Charlotte a monetary amount equivalent to the estimated cost of the design and construction of the proposed improvements (as mutually agreed upon by Petitioner and CDOT).
  - Construct a southbound right turn lane on Providence Road with 200 feet of storage and appropriate bay taper.
- Tom Short Road and Ardrey Kell Road (CDOT, at its discretion, may allow the Petitioner to contribute to the City of Charlotte a monetary amount equivalent to the estimated cost of the design and construction of the following improvements (as mutually agreed upon by Petitioner and CDOT) in lieu of constructing the improvements)):
  - Construct a northbound right-turn lane on Tom Short Road with 275 feet of storage and an appropriate bay taper.
  - Construct an extension of the existing westbound left-turn lane on Ardrey Kell Road (turning onto Tom Short Road) to include 400 feet of storage.

**Phase 4 Improvements.** The following roadway improvements shall be substantially completed by the Petitioner or other party prior to the development of more than 400,000 square feet of office or retail uses within the Site. However, should the undeveloped properties with frontage on the east side of Providence Road south of I-485 in close proximity to the proposed improvements seek development approvals prior to the development of over 400,000 square feet of office or retail uses within the Site, the proposed improvements shall not be considered an obligation of the Petitioner for purposes of any traffic impact analysis related to potential development on those adjacent properties.

- Providence Road (NC 16) and I-485 Outer Loop Ramps:
  - Construct a northbound right turn lane on Providence Road with 900 feet of storage and an appropriate bay taper.

- e. **Right-of-way Availability.** It is understood that some of the public roadway improvements referenced herein may not be possible without the acquisition of additional right-of-way. If after the exercise of diligent good faith efforts, as specified by the City of Charlotte right-of-way acquisition process as administered by the City of Charlotte's Engineering and Property Management Department, the Petitioner is unable to acquire any land necessary to provide for any such additional right-of-way upon commercially reasonable terms and at market prices, then CDOT, the City

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16 JANUARY, 2015

REA FARMS  
REZONING PETITION No. 2015-022  
DEVELOPMENT STANDARDS

REVISIONS:  
01/01/15 - REVISION PER STAFF REVIEW COMMENTS  
02/13/15 - REVISION PER STAFF REVIEW COMMENTS  
04/01/15 - REVISION PER STAFF & CDOT REVIEW COMMENTS  
04/01/15 - REVISION TO NOTES

RZ-3

# SHEET



of Charlotte Engineering Division or other applicable agency, department or governmental body agree to proceed with acquisition of any such land. In such event, the Petitioner shall reimburse the applicable agency, department or governmental body for the cost of any such acquisition proceedings including compensation paid by the applicable agency, department or governmental body for any such land and the expenses of such proceedings. Furthermore, in the event public roadway improvements referenced in subsection a. above are delayed because of delays in the acquisition of additional right-of-way as contemplated herein above, then the Petitioner will contact the Planning Department and CDOT regarding an appropriate infrastructure phasing plan that appropriately matches the scale of the development proposed to the public infrastructure mitigations. If after contacting the Planning Department and CDOT to determine the appropriate infrastructure phasing plan, delays in the acquisition of additional right-of-way extends beyond the time that the Petitioner seeks to obtain a Certificate of Occupancy for building(s) on the Site in connection with related development phasing described above, then CDOT will instruct applicable authorities to allow the issuance of certificates of occupancy for the applicable buildings; provided, however, Petitioner continues to exercise good faith efforts to complete the applicable road-way improvements; in such event the Petitioner may be asked to post a letter of credit or a bond for any improvements not in place at the time such a Certificate of Occupancy is issued to secure completion of the applicable improvements.

- f. **Alternative Improvements.** Changes to the above referenced roadway improvements can be approved through the Administrative Amendment process upon the determination and mutual agreement of Petitioner, CDOT, Planning Director, and as applicable, NCDOT, provided, however, the proposed alternate transportation improvements must provide (in the aggregate) comparable transportation network benefits to the improvements identified in this Petition.
- g. **Traffic Signals.** Petitioner, on its own or in cooperation with other parties, shall be responsible for the cost of the traffic signals proposed herein, unless certain traffic signals are installed by others prior to the time that they are required to be provided by the Petitioner
- h. **Institutional and Recreational Uses.** Institutional and recreational uses (indoor or outdoor), and any accessory uses thereto, shall not be considered office or retail uses when calculating square footages for the purpose of determining when certain transportation improvements are required.
- i. **Alternative Compliance.** While it is understood that the improvements set forth above, unless otherwise specified, are the responsibility of the Petitioner or other private sector entity, in event that it is necessary or advantageous, CDOT may, at its discretion, accept a fee in lieu of construction of certain improvements, as long as such fee is equal to the full cost of said improvements (including design, acquisition and construction).

VI. **Design Guidelines:**

a. **Statement of Overall Design Intent.**

- Land Use:** The site plan for the Site contemplates an integrated, pedestrian friendly development through a horizontal mixture of uses including office, retail, service, civic, recreational, and open space as well as a variety of residential uses.
- Open Space:** The Site will incorporate a system of public and private open spaces throughout that will be interconnected by sidewalks and walking trails and linked to an active amenitized open space area at the core of the Site. At least 5 acres of publically accessible open space (including both green spaces and hardscape areas) shall be provided within Development Areas A and B. Smaller open space areas and pocket parks dispersed throughout Development Areas A and B shall be included in the total open space acreage requirement.
- Community Design:** The site plan for the Site will seek to emphasize pedestrian connections between uses and create a strong link between the commercial core of the development and adjacent uses. Additionally, streetscapes, landscaping and high-quality building materials will be used in a manner that creates a unified development pattern. Where opportunities exist, a vertical mix of uses will be encouraged but not required. Buildings will orient and provide prominent entrances along frontages on Public Street A and the Public Green.
- Transportation and Mobility:** The Site's internal street network will establish new connections between existing developments on adjoining properties providing multiple route options and creating new opportunities for non-automobile travel while also incorporating traffic calming devices in order to mitigate adverse impacts on adjacent residential neighborhoods.

b. **General Design Guidelines.**

- The principal buildings constructed on the Site may use a variety of building materials. The building materials used for buildings (other than structured parking facilities) will be a combination of the following: glass, brick, stone, pre-cast stone, architectural precast concrete, synthetic stone, stucco, cementatious siding (such as hardi-plank), or wood. EIFS as a building material will not be allowed, except as back-up for architectural trim on stucco clad buildings. Vinyl, as a building material, will only be allowed on windows, soffits and trim features.
- The Site will include a series of publicly accessible open spaces and plazas as focal points. These focal points will include some combination of landscaping, monumentation, water feature, seating areas and/or art work features.
- Streetscape treatment will be a unifying element through the use of consistent paving, lighting, landscaping, and, when provided, site furnishings, throughout Development Areas A, B and G.
- Specialty pavers, stained and patterned concrete/paving or other similar means will be used to call attention to amenity areas, gathering spaces, plazas and as a method of way-finding.
- Circulation paths will be provided along the Site's Public and Private Streets from parking areas and decks to building entries and areas of interest.
- Meter banks will be screened where visible from public view at grade from public or private streets.
- Rooftop HVAC and related mechanical equipment will be screened from public view at grade from public or private streets.
- All dumpster areas shall be enclosed by walls and opaque gates utilizing materials similar in nature and complimentary in design to adjacent buildings.
- All service areas for non-residential uses shall be screened from residential structure.
- Each Development Area shall include sufficient open space to satisfy the minimum MUDD open space requirements.

c. **Development Area A Design Guidelines.**

- Freestanding retail uses shall be limited to one building (without a drive-through) along the Site's Ardrey Kell Road frontage that does not exceed 24,000 square feet.
- During the initial phases of development, uses within Development Area A may be served by surface parking areas. Structured parking facilities shall be required when/if office square footage within Development Area A exceeds 240,000 square feet.
- Buildings shall not exceed six (6) stories.
- The Rezoning Plan provides for a signature Public Green with significant building frontage in order to create a well-defined edge for that public open space. Off-street parking areas shall be screened from view from the Public Green and shall not front the Public Green or be located to the sides of buildings that front the Public Green, except as generally depicted on the Conceptual Master Plan.
- Off-street parking may be located along Ardrey Kell Road, Public Street B or other internal streets if adequately screened from those streets by landscaping. However, off-street parking and maneuvering areas may not be located between Ardrey Kell Road and proposed buildings, except as generally depicted on the Conceptual Master Plan.
- Multifamily buildings with facades in excess of 250 linear feet that front on public or private streets shall be articulated in one or more of the following methods to visually break down the buildings potentially monolithic mass and achieve an appropriate pedestrian scale along the street wall:
  - Façade Modulation** varying the plane of the building street wall to break up the mass of the building.
    - Minimum width of 15'-0" and a minimum depth of 5'-0"
    - No single section of the façade shall exceed 150'-0" in length
    - May be achieved through multiple modulations
  - Building Mass Separation** at a depth of at least 25'-0" from the street wall and a width of at least 25'-0" open to the sky.
    - No single section of the façade shall exceed 150'-0" in length

- Architectural Façade Variations** along the street wall to visually break down the building's mass with intervals not exceeding 150'-0". These façade variations shall include at least two of the following techniques:
  - Varied Architectural Styles
  - Varied Roof Pitches
  - Varied Window Arrangement and Sizes
  - Significant Exterior Façade Materials Changes
  - Offset Wall Planes
- Buildings fronting Public Street A that house street level retail uses shall provide a ground floor Fenestration Zone having a minimum of 60% fenestration of the ground floor fenestration area measured between 2' and 10' above the sidewalk along Public Street A. Up to 40% of the required Fenestration Zone may be comprised of display windows. These display windows must maintain a minimum of 3'-0" clear depth between window and rear wall. Windows within the Fenestration Zone shall not be screened by film, decals and other opaque material, glazing finishes or window treatments. The maximum sill height for required fenestration shall not exceed 4'-0" above the Public Street A sidewalk.
- Entries into individual retail spaces fronting Public Street A shall be recessed 3'-0" for a minimum width of 5'-0" in those locations with sidewalks less than 12'-0" in width.
- Any buildings fronting the Public Green shall include primary entrances that open to the Public Green and all such entrances for non-residential uses shall be open and operable during business hours.
- All service areas for non-residential uses shall be screened from residential structures.
- In the event that single-family residential units are developed within Development Area A, vehicular driveways accessing individual units shall not be permitted to connect directly to Golf Links Drive or the streets surrounding the Public Green.
- A twenty (20) foot setback (measured from back of curb) shall be provided for any attached or detached dwelling units that front on Public Street B or Public Street C. Stairs or stoops may encroach up to four (4) feet into this setback.

d. **Development Area B Design Guidelines.**

- Individual retail uses shall not exceed 60,000 square feet. However, in the event that a grocery store use is developed, that use may occupy up to 85,000 square feet.
- Up to two free-standing retail uses shall be permitted. Only one freestanding retail use may exceed 24,000 square feet.
- Buildings shall not exceed three (3) stories in height.
- Service areas shall be designed to face existing service areas within the adjacent Rea Village Shopping Center as generally depicted on the Conceptual Master Plan.
- Any drive-through uses within Development Area B shall be internally oriented and drive-through facilities and associated maneuvering areas shall be screened with a low wall and/or landscaping when visible from Public Street A or Public Street B.
- Retail areas in buildings fronting Public Street A shall provide a ground floor Fenestration Zone having a minimum of 60% fenestration of the ground floor façade area measured between 2' and 10' above the sidewalk along Public Street A. Up to 40% of the required fenestration may be comprised of display windows. These display windows must maintain a minimum of 3'-0" clear depth between window and rear wall. Windows within the Fenestration Zone shall not be screened by film, decals or other opaque material, glazing finishes or window treatments. The maximum sill height for required fenestration shall not exceed 4'-0" above the sidewalk.
- The primary entrance to buildings along Public Street A shall be on the Public Street A façade of those buildings. These entries shall be recessed a minimum of 3'-0" deep with a minimum width of 5'-0" unless fronting a sidewalk with a minimum width of 12'-0".
- Parking Areas for the retail buildings along Public Street A shall be located behind the buildings fronting Public Street A and shall be screened by the buildings, except at pedestrian ways providing access from parking areas to the street.
- The facades of the retail buildings along the Public Street A fronting the parking areas shall provide a Ground Floor Fenestration Zone of 30% of the ground façade area as defined in Paragraph 3 above unless a particular façade directly abuts a required service area. Up to 40% of the required Fenestration Zone may be display windows as defined in paragraph 5 of this Section.
- The main retail anchor shall comply with Paragraph 5 of this Section above along its primary facade directly facing Public Street A but shall only be required to meet façade design standards for the MUDD District per the Zoning Ordinance on all other facades.
- Required service areas with Development Area B shall be screened per requirements of the Zoning Ordinance. Those service areas directly abutting retail buildings along Public Street A shall be located to the rear facades of these building, away from the street and within the parking areas. These service areas shall have screen walls constructed to match the building's exterior finish materials and be accessed through opaque gates.

e. **Development Area C Design Guidelines.**

- Buildings shall not exceed three (3) stories in height.
- A buffer area at least twenty five (25) feet wide shall be maintained along that portion of the Site's western property boundary which touches the Stone Creek Ranch neighborhood. Petitioner shall provide plantings within the buffer area in accordance with the requirements for a Class C buffer under the Ordinance. However, in areas where existing vegetation is sufficient, the buffer area shall remain undisturbed.
- Attached, front loading garages shall be recessed at least two (2) feet behind the front façade of the residential structure and the width of the garage shall not exceed 50% of the front façade width.

f. **Development Area D Design Guidelines.**

- Buildings shall not exceed four (4) stories in height.
- Limited vehicle parking, circulation and maneuvering areas may be located between proposed buildings and adjacent streets. Between Public Road B and the building, no more than 30 off-street parking spaces shall be located in this area.
- The mass of any institutional buildings shall be placed to create a strong built edge along Public Street B.
- Fenestration along Public Street B shall constitute a minimum of 25% of the surface area of the street façade. Non-fenestrated areas shall meet the requirements of the MUDD district per the Zoning Ordinance.
- Primary parking and driveway areas shall be located to the rear or sides of the building and shall be screened per Ordinance requirements.
- A primary pedestrian entrance to the sidewalk along Public Street B shall be provided to enhance pedestrian connectivity within the Site.
- Outdoor recreational areas shall be provided within Development Area D.

g. **Development Area E Design Guidelines.**

- Buildings shall not exceed three (3) stories or sixty five feet in height.
- Primary parking areas shall be located to the rear or side of buildings. Limited vehicle parking, circulation and maneuvering areas may be located between proposed buildings and Public Road B as generally depicted on the Conceptual Master Plan.

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CHARLOTTE, NC 28210  
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LINCOLN  
HARRIS

16 JANUARY, 2015

REA FARMS  
REZONING PETITION No. 2015-022  
DEVELOPMENT STANDARDS

REVISIONS:  
01/15/15 - REVISION PER STAFF REVIEW COMMENTS  
02/02/15 - REVISION PER STAFF REVIEW COMMENTS  
04/02/15 - REVISION PER STAFF REVIEW & CDOT COMMENTS  
04/02/15 - REVISION TO NOTES

RZ-4

SHEET #:



3. A primary building entrance fronting on Public Street B shall be provided to enhance pedestrian activity. The entrance shall be connected to the sidewalk along Public Street B by a sidewalk that terminates at the axis of Public Street A.
4. A Ground Floor Fenestration Zone as defined above shall be provided along Public Street B. This Fenestration Zone shall represent 30% of the ground floor façade. Those functional areas of any recreational use that cannot accommodate fenestration (i.e., certain gyms, racquetball courts, locker rooms, etc.) shall meet the guidelines for Façade Articulation for the MUDD District per the Zoning Ordinance.
5. Existing natural areas within Development Area E shall be provided, as generally depicted on the Conceptual Master Plan.

h. **Development Area F Design Guidelines**

1. Nursing Home or Adult Care Center uses shall not exceed three (3) stories in height.
2. If Nursing Home or Adult Care Center uses are developed, a 25 foot buffer shall be provided along the western boundary of the Site.
3. If residential uses are developed, lots shall meet with minimum requirements for lots within the MX-1 portion of the Site as set forth in Section III.a above. Provisions of Section III.a related to lots abutting Stone Creek Ranch shall not be applicable to residential lots within Development Area F.

i. **Development Area G Design Guidelines.**

1. Buildings shall not exceed three (3) stories in height.
2. Drive-through uses shall only be allowed immediately adjacent to Public Street A and within the portion of Development Area G lying east of Public Street A.
3. Drive-through uses shall be designed to facilitate safe pedestrian crossings.
4. Drive-through uses shall be oriented internally to the Site. No drive-through circulation shall be permitted between Public Street A and the proposed use.
5. Site design shall encourage pedestrian travel between Development Area G and the remainder of the Site.
6. If drive-through lanes are installed between the buildings and the adjacent streets, low walls and low accent plantings will be provided between the drive through lanes and the adjacent streets, such walls may be intermittent but shall be constructed of building materials generally compatible with the buildings to which they relate.
7. Off-street parking areas may not be located between Ardrey Kell Road and proposed buildings, but vehicular parking may be located to the side or behind such buildings, behind the established setback. In areas adjacent to and lying east of Public Street A, vehicle circulation and maneuvering areas may be located between Ardrey Kell Road and the proposed buildings.

VII. **Parking Areas, Access and Circulation Design Guidelines.**

- a. Building materials associated with facades on parking structures shall be generally compatible in character and quality with materials used on nearby buildings, plazas and streetscapes, taking into consideration differences associated with parking structures.
- b. Parking structures shall be designed to materially screen the view of parked cars from adjacent public or private streets or publicly accessible open spaces or plazas. Screening of cars on the ground level will be accomplished primarily through the use of landscaping; and screening of cars parked on the upper level will be accomplished by a wall, at least 36 inches in height, designed as part of the parking deck structure. Parking structures shall be screened with decorative louvers and landscaped as required by the Ordinance.
- c. On-site loading docks and waste areas shall be separated and/or screened from view at ground level from primary building entrances.

VIII. **Pedestrian Access and Circulation Design Guidelines.**

- a. Along the Site's internal streets, the Petitioner will provide a sidewalk and a cross-walk network that links the buildings, parking areas and areas of interest on the Site with one another by way of links to sidewalks along the abutting public and private streets and/or other pedestrian features. Street trees will also be provided within planting strips along the Site's internal public and private streets.
- b. Walkways through plazas or publicly accessible open space areas will be at least six (6) feet in width and shall be appropriately designed for the intended use and type of open space area in which they are located.
- c. Where walkways occur along building walls, a walkway width of at least six (6) feet must be maintained clear of door swings, shopping cart storage, and temporary trash or similar impediments.
- d. Subject to the optional provision set forth in Section II.m. above, deviations from typical sidewalk and planting strip requirements are allowable upon approval by CDOT and the Planning Director.. Any changes to dimensional requirements are allowable only in cases of hardship.

IX. **Open Space, Public Green and Amenity Areas.**

- a. The Petitioner will provide at least five (5) acres of publically accessible open space (including both green spaces and hardscape areas) within Development Areas A and B. Smaller open space areas and pocket parks dispersed throughout Development Areas A and B shall be included in the total acreage requirement. Portions of the open space may be used for outdoor dining associated with restaurants.
- b. Petitioner shall provide a "Public Green," at least three (3) acres in size, located within Development Area A and Development Area B in the location generally depicted on the Technical Data Sheet. The Public Green will be designed as a significant pedestrian focal point and an amenity for that portion of the development. The Public Green will include elements such as: water features, specialty graphics, landscaping, specialty paving, seating areas, signage (e.g. way-finding, directional, special event) art work and/or other site elements that help create a vibrant Public Green area.
- c. Portions of the public Public Green shall be completed in conjunction with adjacent development. Portions of the Public Green within Development Area B shall be completed prior to the issuance of a Certificate of Occupancy for the retail anchor within Development Area B. Within Development Area A, portions of the Public Green adjacent to multi-family uses shall be substantially completed prior to the issuance of a Certificate of Occupancy for those multi-family uses and portions of the Public Green adjacent to offices uses shall be substantially completed prior to the issuance of a Certificate of Occupancy for those office uses.
- d. Open spaces associated with water quality/storm water detention ponds may be improved as amenity areas with seating areas, naturalized paths and landscaping.

X. **Buffers:**

- a. A buffer area at least twenty five (25) feet wide shall be maintained along that portion of the Site's western property boundary which touches the Stone Creek Ranch neighborhood. Petitioner shall provide plantings within the buffer area in accordance with the requirements for a Class C buffer under the Ordinance. However, in areas where existing vegetation is sufficient, the buffer area shall remain undisturbed.
- b. Petitioner shall provide a twenty five (25) foot building setback along Ardrey Kell Road, as measured from the back of the future curb line. This setback area off of Ardrey Kell Road will be landscaped with a variety of landscape materials (trees, shrubs, ornamental grasses, grass, and/or areas of seasonal color). A minimum of 25 shrubs and 5 trees per 100 linear feet will be planted within this area. An eight (8) foot wide sidewalk will be provided within the landscaped setback. This planted sidewalk may meander or be located at a consistent distance (minimum 8 feet) from the back of curb.

XI. **Environmental Feature:**

The Petitioner shall comply with the Charlotte City Council approved and adopted Post Construction Controls Ordinance. The location, size, and type of storm water management systems depicted on the Rezoning Plan are subject to review and approval as part of the full development plan submittal and are not implicitly approved with this rezoning. Adjustments may be necessary in order to accommodate actual storm water treatment requirements and natural site discharge points.

XII. **Signage**

- a. Signage as allowed by the Ordinance and by the Optional Provisions set forth under Section II above may be provided. Because the Site will be viewed as a Planned/Unified-Development as

defined by the Ordinance, shopping center signs may be located throughout that portion of the Site zoned MUDD-O as allowed by the Ordinance and the Optional Provisions. In addition, uses located on the interior of the Site may be identified on the allowed shopping center/development signs (by way of example, the multi-family developments and single-family developments may be identified on the signs allowed along Ardrey Kell Road and Providence Road). The allowed signs may contain identification signage for any of the uses located on the Site.

- b. Master signage and graphics systems may be adopted.
- c. Information and Advertising Pillar Signs as defined by the Ordinance may be provided on the portion of the Site zoned MUDD-O.
- d. On premises directional and instructional signs may be located throughout the Site per the standards of the Ordinance.
- e. Temporary Banners as allowed by the Ordinance may be provided.

XIII. **Lighting:**

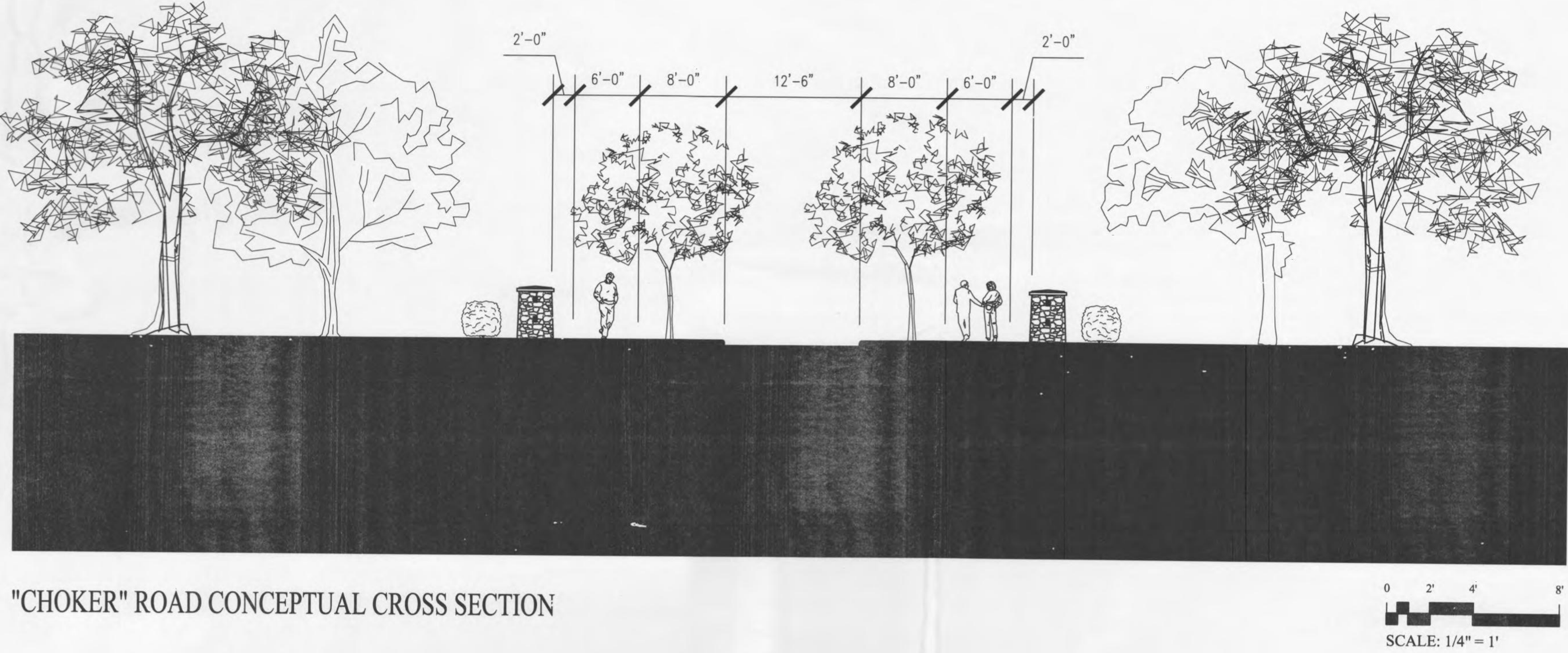
- a. All new lighting shall be full cut-off type lighting fixtures excluding lower, decorative lighting that may be installed along the driveways, sidewalks, and parking areas.
- b. Detached lighting on the Site, except street lights located along public and private streets, will be limited to 30 feet in height in the portions of the Site used for non-residential uses and 25 feet in height in the portions of the Site used for residential uses.
- c. Attached and detached lighting shall be downwardly directed. However, upward facing accent lighting shall be permitted.

XIV. **Amendments to the Rezoning Plan:**

Future amendments to the Rezoning Plan may be applied for by the then Owner or Owners of the applicable Development Area portion of the Site affected by such amendment in accordance with the provisions herein and of Chapter 6 of the Ordinance.

XV. **Binding Effect of the Rezoning Application:**

If this Rezoning Petition is approved, all conditions applicable to the development of the Site imposed under the Rezoning Plan will, unless amended in the manner provided herein and under the Ordinance, be binding upon and inure to the benefit of the Petitioner and subsequent owners of the Site or Development Areas, as applicable, and their respective heirs, devisees, personal representatives, successors in interest or assigns.



"CHOKER" ROAD CONCEPTUAL CROSS SECTION

APPROVED BY  
CITY COUNCIL  
APR 20 2015



Development Area H

Development Area H was developed in accordance with the Technical Data Sheet and Development Standards related to Rezoning Petition 2004-134. There is no intent to permit new development within Development Area H or to alter the basic zoning conditions of Rezoning Petition 2004-134. The purpose of including Development Area H in current rezoning is to request MUDD Optional provisions that will allow additional signage within Development Area H and to address any nonconformities that would otherwise be created when the existing development is rezoned to the MUDD zoning district.

Therefore, the Technical Data Sheet and Development Standards set forth herein are identical to the Technical Data Sheet and Development Standards submitted and approved in Rezoning Petition No. 2004-134 except for the conceptual rendering of a proposed monument sign, proposed sign locations and the following MUDD Optional provisions.

1. The existing sidewalk and planting strip along Golf Links Drive are both approximately four feet wide
2. If any of the existing buildings within Development Area H are redeveloped, required planting strips and sidewalks along Golf Links Drive and Providence Road will be added.
3. If any of the existing buildings within Development Area H are redeveloped, the redevelopment shall comply with the Post Construction Controls Ordinance.

Optional Provisions:

1. To allow along Providence Road, two (2) ground mounted shopping center/development identification signs up to 20 feet in height and containing up to 150 square feet of sign area. These signs may be used to identify any of the uses located on the Site.
2. To allow wall signs having up to 200 square feet of sign surface area per wall or 10% of the wall area to which they are attached, whichever is less.
3. To allow a drive-through window as an accessory to a financial service use.
4. To allow vehicular parking, maneuvering and service areas between buildings and streets.
5. To allow non-standard sidewalks and planting strips along Golf Links Drive.

CONDITIONAL NOTES:

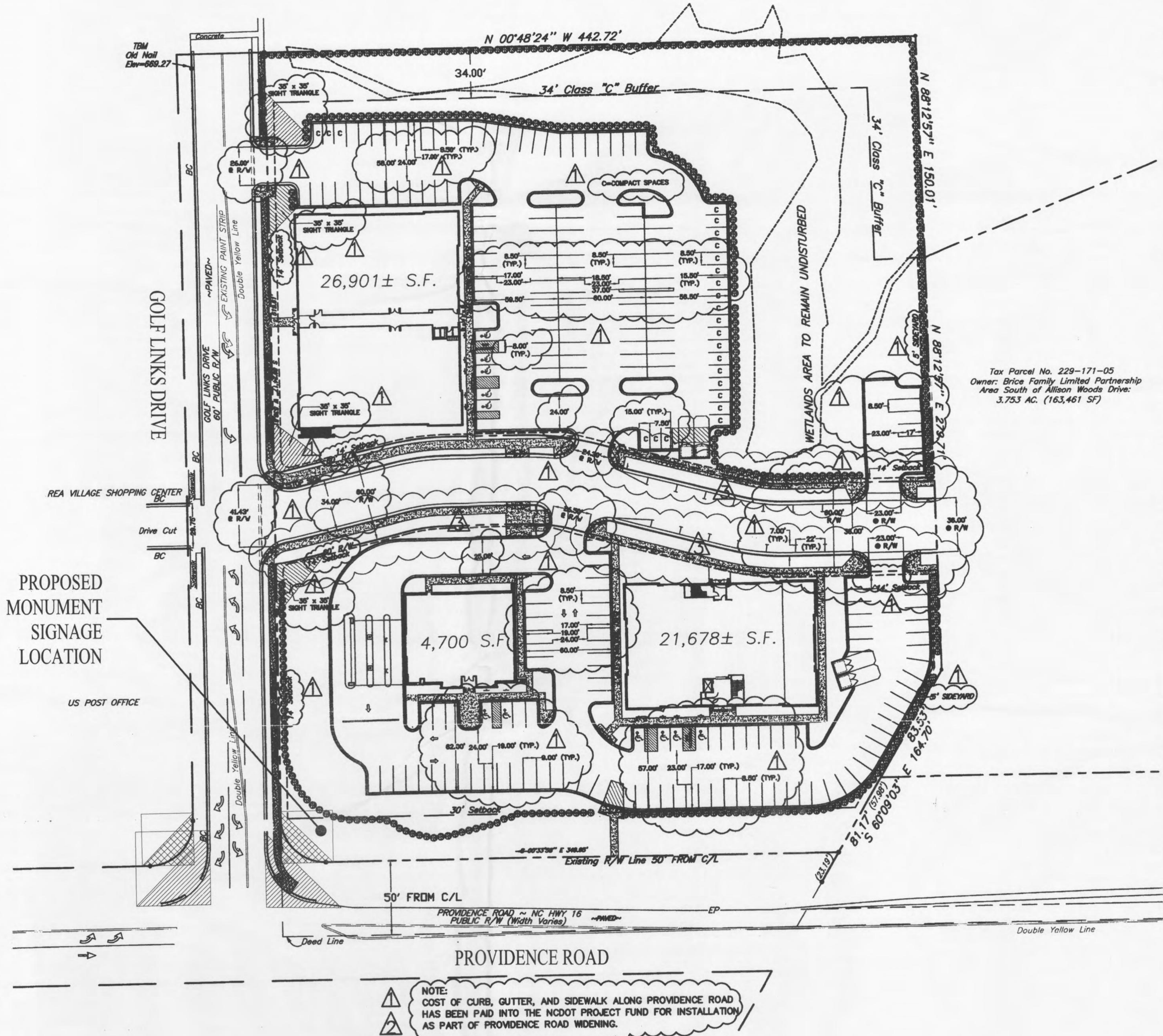
1. THE SITE PLAN CONSISTS OF THE TECHNICAL DATA SHEET AND THE ILLUSTRATIVE PLAN. THE TECHNICAL DATA SHEET CONTAINS ALL DEVELOPMENT NOTES AND CONDITIONS REGARDING SUCH THINGS AS VEHICULAR ACCESS POINTS, BUFFERS, SETBACK/YARD DIMENSIONS, GENERALIZED BUILDING/PARKING/CIRCULATION AREAS, DEVELOPMENT INTENSITY, ETC. THE ILLUSTRATIVE PLAN DEPICTS A DEVELOPMENT SCENARIO BASED UPON THE CONDITIONS IMPOSED BY THE TECHNICAL DATA SHEET. HOWEVER, OTHER DEVELOPMENT SCENARIOS ARE PERMITTED AS A MATTER OF RIGHT, WHICH ALLOWS ALTERNATIVES TO THE ARRANGEMENT OF BUILDING/PARKING/CIRCULATION AREAS. BUILDING FOOTPRINTS AND SHAPES, ETC. SUCH CHANGES SHALL STILL REFLECT THE "NEO-TRADITIONAL" STYLE LAYOUT OF THE SITE AS GENERALLY DEPICTED ON THE PLAN.
2. THE PROPOSED DEVELOPMENT SHALL COMPLY WITH ALL APPLICABLE CITY OF CHARLOTTE REGULATIONS PERTAINING TO OFF-STREET PARKING, SIGNAGE, BUFFERS/LANDSCAPING, SCREENING, DRAINAGE, TREE ORDINANCE, ETC.
3. PARKING FOR THE OVERALL SITE SHALL BE CONSIDERED AS A UNIFIED DEVELOPMENT AND SHALL BE CALCULATED AS IF THE SITE IS ZONED O-1. NO REDUCTION IN PARKING AS PERMITTED BY NS ZONING SHALL BE ALLOWED.
4. THE NUMBER OF VEHICULAR ACCESS TO THE SITE SHALL BE LIMITED TO THE POINTS OF INGRESS/EGRESS AS SHOWN ON THE SITE PLAN. HOWEVER, THE LOCATIONS MAY VARY SOMEWHAT FROM THAT DEPICTED. THE LOCATION AND DESIGN SHALL COMPLY WITH ALL APPLICABLE STANDARDS AND REQUIREMENTS OF THE CHARLOTTE DEPARTMENT OF TRANSPORTATION.
5. MAXIMUM BUILDING HEIGHTS SHALL BE TWO STORIES (MAY INCLUDE ATTIC AND/OR FINISHED SPACE WITHIN THE AREA HEIGHT OF THE ROOF).
6. A CLASS "C" BUFFER SHALL BE ESTABLISHED WHERE THERE IS INSUFFICIENT NATURAL VEGETATION TO COMPLY WITH MINIMUM BUFFER STANDARDS. THE BUFFER SHALL BE IMPROVED WITH NEW LANDSCAPING IN ACCORDANCE WITH APPLICABLE STANDARDS.
7. A 30 FOOT SETBACK MEASURED FROM THE R/W LINE SHALL BE ESTABLISHED ALONG THE SITE'S PROVIDENCE ROAD FRONTAGE. A R/W MEASURING 50 FEET FROM THE CL OF PROVIDENCE ROAD SHALL BE ESTABLISHED AS SHOWN. PETITIONER HAS DEDICATED THE NEW R/W AREA.
8. STORM WATER DETENTION SHALL NOT BE LOCATED IN THE SETBACK AREAS OR THE BUFFER AREAS. STORM WATER DETENTION FOR PORTIONS OF THE SITE MAY BE PROVIDED IN A COMMON DETENTION FACILITY LOCATED ON ANY LOT CREATED BY FUTURE SUBDIVISION. CROSSING OF THE PROPOSED PUBLIC ROAD TO CONNECT TO THE DETENTION SYSTEM WILL BE ALLOWED AS WELL AS DIVERTING STORM DRAINAGE FROM THE PUBLIC ROAD TO THE PROPOSED DETENTION FACILITY WHILE DISCHARGING NON DETAINED FLOW FROM A LIKE AREA OF IMPERVIOUS DEVELOPMENT TO THE EXISTING WETLAND AREA TO MAINTAIN DRAINAGE TO SUCH WETLANDS AREA.
9. MAXIMUM HEIGHT OF BUILDING LIGHTING SHALL BE 30 FEET. LIGHTING SHALL BE DESIGNED IN A MANNER TO SHIELD/DIRECT LIGHTING GLARE AWAY FROM RESIDENTIAL AREAS.
10. BUFFERS AREAS SHALL NOT BE REDUCED IN DEPTH FROM THAT DEPICTED ON THE PLAN.
11. SCREENING SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 12.303 OF THE CITY OF CHARLOTTE ZONING ORDINANCE.
12. BUFFERS SHALL REMAIN UNDISTURBED EXCEPT THAT ANY AREA WHICH ARE SPARSELY VEGETATED (VEGETATION LESS THAN 2 INCHES IN CALIPER) MAY BE CLEARED IF NECESSARY TO PROVIDE FOR THE DEVELOPMENT OF THE SITE, AND TO ACCOMMODATE UTILITY EXTENSIONS ASSOCIATED WITH DEVELOPMENT. ANY CLEARED AREAS SHALL BE REPLANTED IN ACCORDANCE WITH APPLICABLE BUFFER REQUIREMENTS.
13. TREES LOCATED WITHIN THE FRONT SETBACK AREA WHICH ARE 6 INCHES OR GREATER IN CALIPER SHALL BE PRESERVED OR MITIGATED PER CITY OF CHARLOTTE TREE ORDINANCE.
14. THE MAXIMUM HEIGHT OF DETACHED POLE LIGHTS SHALL BE RESTRICTED TO 15 FEET.
15. WALL PACK TYPE LIGHTING SHALL NOT BE ALLOWED.
16. ALL SIGNAGE SHALL BE LOCATED WITHIN A SOLID ENCLOSURE WITH A MAXIMUM HEIGHT OF 20 FEET.
17. BUILDINGS ON THE SITE WILL BE CONSTRUCTED WITH BRICK AND/OR OTHER MASONRY FINISHING MATERIALS ON BOX OF THE EXTERIOR WALLS OF ANY BUILDING.
18. THE PETITIONER/DEVELOPER SHALL INSTALL OR PAY THE CITY OF CHARLOTTE FOR FUTURE INSTALLATION DURING PROVIDENCE ROAD WIDENING OF A 5 FOOT SIDEWALK WITH AN 8 FOOT PLANTING STRIP ALONG THE SITE'S PROVIDENCE ROAD FRONTAGE. THIS SIDEWALK SHALL LINK TO OTHER INTERNAL SIDEWALKS ON THE SITE.
19. PROPOSED USES FOR THE SITE SHALL INCLUDE THOSE ALLOWED IN THE O-1 DISTRICT, EXCEPT THAT HOTELS OR MOTELS, AND RESTAURANTS (EXCEEDING 3,000 SF) ALLOWED SHALL NOT BE PERMITTED. FURTHERMORE, IF REQUIRED BY FIRE DEPARTMENT REGULATIONS, 4-HOUR FIRE WALLS AND/OR SPRINKLER SYSTEMS SHALL BE INSTALLED IN EACH BUILDING TO OFFSET ANY POTENTIAL MARGINAL WATER SUPPLY IN THE AREA.
20. BUILDINGS CONSTRUCTED ON THE SITE SHALL BE DESIGNED IN A MANNER WHICH REFLECTS A RESIDENTIAL STYLE AND SCALE; SPECIFICALLY UTILIZING RESIDENTIAL STYLE DOORS AND WINDOWS, PITCHED ROOF, ETC.
21. THE PETITIONER/DEVELOPER SHALL INSTALL A FIRE HYDRANT WITHIN 750 FEET OF THE MOST REMOTE BUILDING AS A FIRE TRUCK TRAVELS IF SUCH HYDRANT DOES NOT EXIST. FURTHERMORE, IF REQUIRED BY FIRE DEPARTMENT REGULATIONS, 4-HOUR FIRE WALLS AND/OR SPRINKLER SYSTEMS SHALL BE INSTALLED IN EACH BUILDING TO OFFSET ANY POTENTIAL MARGINAL WATER SUPPLY IN THE AREA.
22. THE DEVELOPER SHALL DESIGN AND CONSTRUCT THE PROPOSED PUBLIC ROAD THROUGH THE SITE TO CITY OF CHARLOTTE STANDARDS. THE DEVELOPER SHALL DEDICATE SUCH ROAD AND RELATED 60 FOOT RIGHT OF WAY TO THE CITY OF CHARLOTTE FOR OWNERSHIP AND MAINTENANCE.
23. EXISTING DRIVES ARE PERMITTED BY RIGHT AS CONSTRUCTED. SEE SHEET 1 OF 4 EXISTING CONDITIONS. NO MODIFICATIONS WILL BE REQUIRED AS PART OF FUTURE DRIVEWAY PROCESS.

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CITY COUNCIL

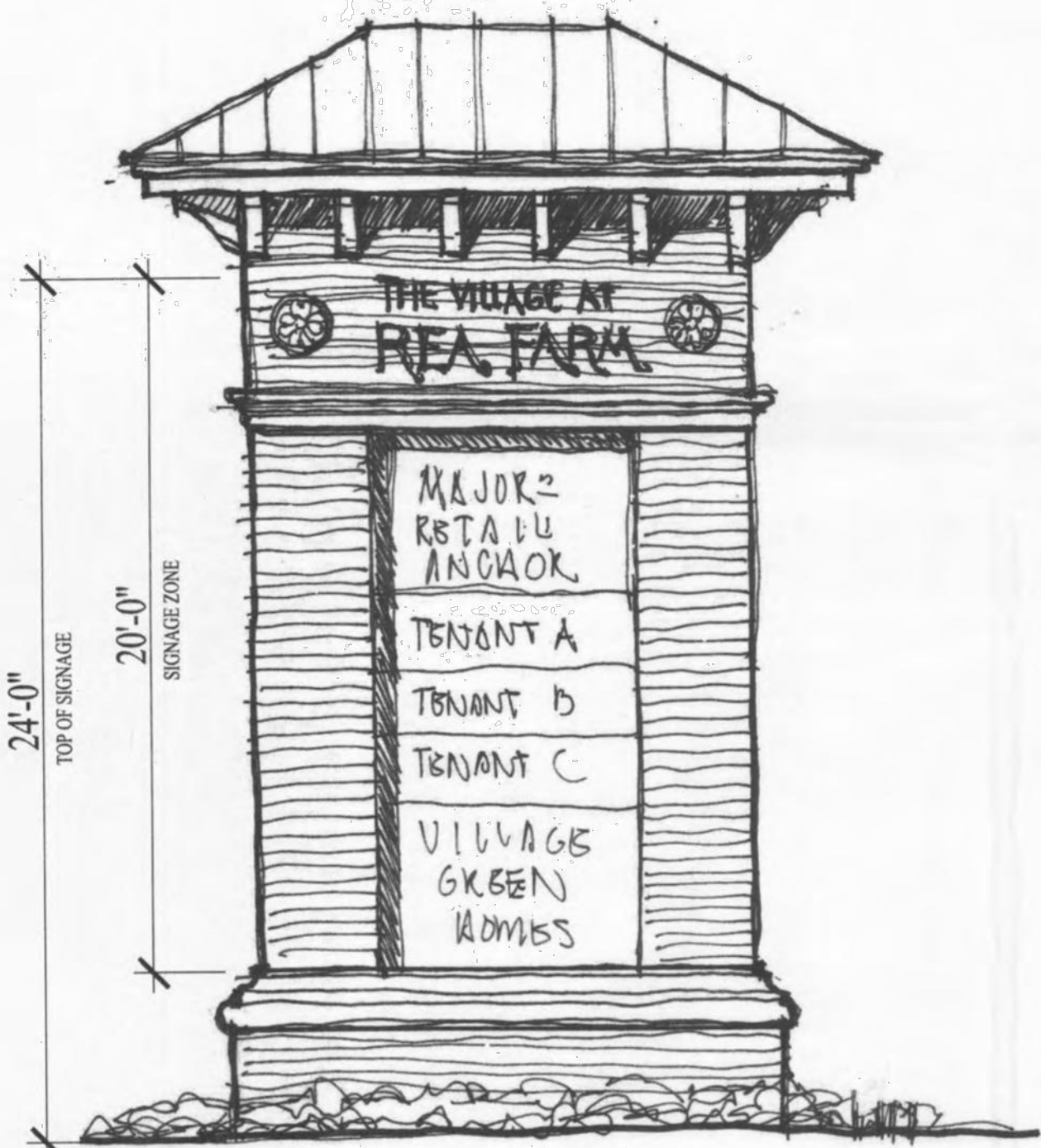
APR 20 2015

Tax Parcel No. 229-171-01  
"Elin Land Company"  
(Now or Formerly)  
Deed: 4877/501  
172.27 ACRES  
ZONED R-3

Tax Parcel No. 229-171-05  
Owner: Brice Family Limited Partnership  
Area South of Allison Woods Drive:  
3.753 AC. (163,461 SF)

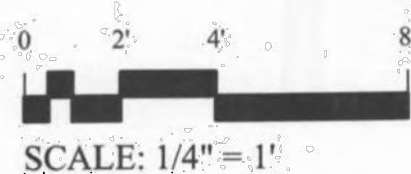


DEVELOPMENT AREA H



CONCEPTUAL  
MONUMENT SIGNAGE

150 SF SIGNAGE AREA



SCALE: 1/4" = 1'

227 W. TRADE STREET  
SUITE 100  
CHARLOTTE, NC 28202  
(704) 333-6666  
WWW.LSP.COM

LSP

4725 PIEDMONT ROW DRIVE  
SUITE 100  
CHARLOTTE, NC 28210  
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16 JANUARY, 2015

REA FARMS  
REZONING PETITION No. 2015-022  
DEVELOPMENT AREA H

REVISIONS:  
02/20/15: REVISION FOR STAFF REVIEW COMMENTS

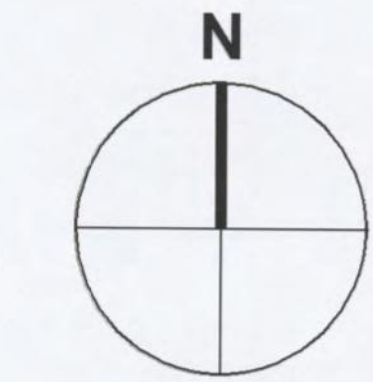
RZ-6

SHEET #





Petitioner shall develop the Site in a manner generally consistent with the Conceptual Master Plan, with the understanding that the configurations, placements and sizes of buildings, parking areas and opens spaces may be altered or modified as long as the ultimate design is consistent with the spirit and intent of the Conceptual Master Plan. The configurations, placements, number and sizes of the buildings and treatment of open space areas depicted on the Conceptual Master Plan and any building designs depicted are conceptual in nature and therefore are subject to refinements as part of the total design process. They may, therefore, be altered or modified, in accordance with Section 6.207 of the Ordinance, during design development and construction document phases so long as the maximum building envelope lines and intensity limitations established on the Technical Data Sheet are not violated and the proposed alterations or modifications do not exceed the parameters established under these Development Standards and under the Ordinance for the MUDD District.

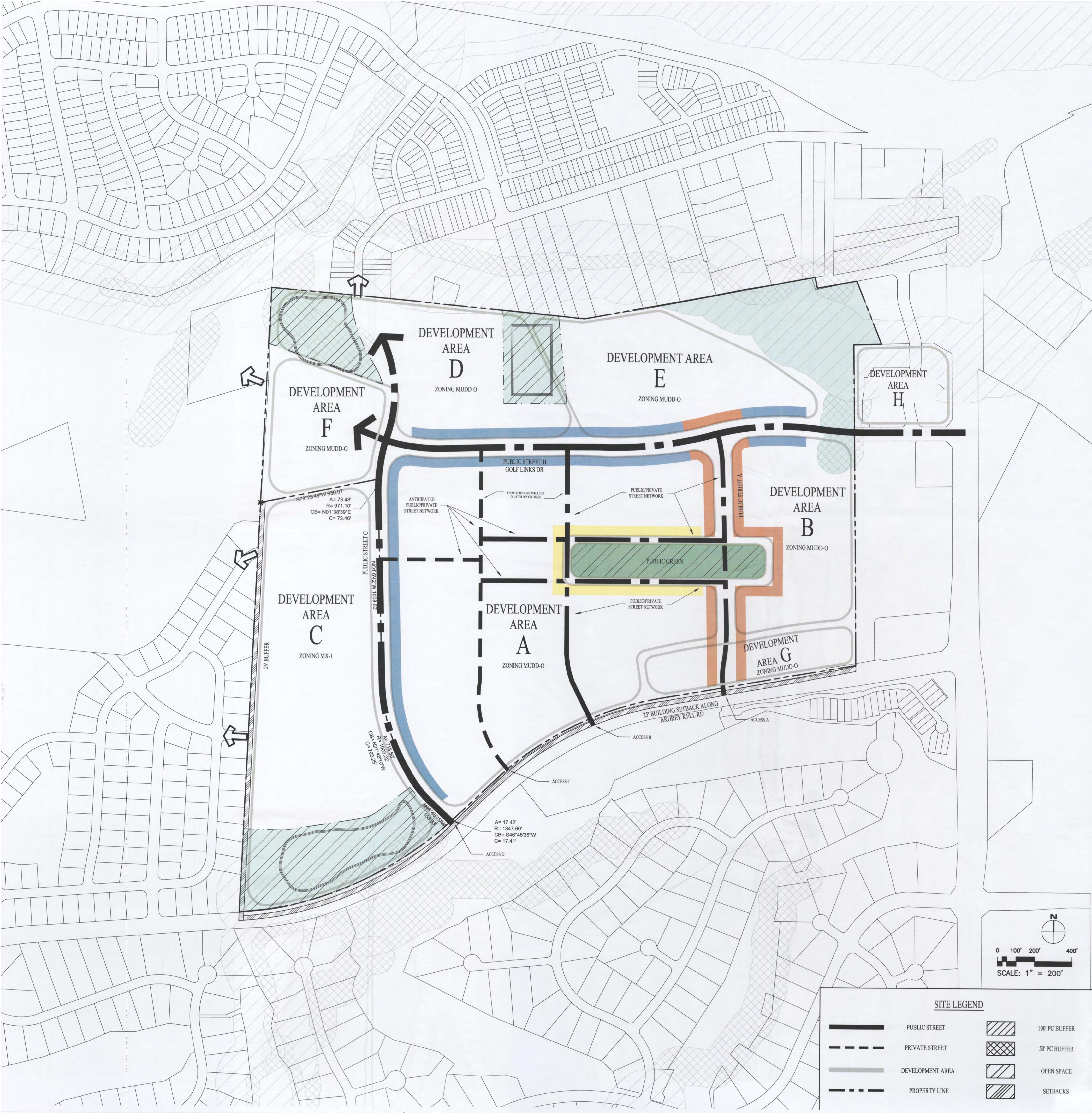


0 100 200 400  
SCALE: 1" = 200'-0"

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CITY COUNCIL

APR 20 2015





VILLAGE MAIN STREET ZONE

- Off street parking areas shall not be permitted between buildings and Public Street A.
- Buildings fronting Public Street A that house street level retail uses shall provide a ground floor Fenestration Zone having a minimum of 60% fenestration of the ground floor fenestration area measured between 2' and 10' above the sidewalk along Public Street A. Up to 40% of the required Fenestration Zone may be comprised of display windows. These display windows must maintain a minimum of 3'-0" clear depth between window and rear wall. Windows within the Fenestration Zone shall not be screened by film, decals and other opaque material, glazing finishes or window treatments. The maximum sill height for required fenestration shall not exceed 4'-0" above the Public Street A sidewalk.
- Entries into individual retail spaces fronting Public Street A shall be recessed 3'-0" for a minimum width of 5'-0" in those locations with sidewalks less than 12'-0" in width.
- Parking Areas for the retail buildings along Public Street A shall be located behind the buildings fronting Public Street A and shall be screened by the buildings, except at pedestrian ways providing access from parking areas to the street.
- Multifamily buildings with facades in excess of 250 linear feet that front on public or private streets shall be articulated in one or more of the following methods to visually break down the buildings potentially monolithic mass and achieve an appropriate pedestrian scale along the street wall.
- The primary entrance to buildings along Public Street A shall be on the Public Street A façade of those buildings, unless the primary entrance fronts the Public Green. These entries shall be recessed a minimum of 3' deep with a minimum width of 5' unless fronting a sidewalk with a minimum width of 12'.
- Any non-residential building located across Public Street B from the northern terminus of Public Street A shall have a Ground Floor Fenestration Zone that shall represent 30% of the ground floor façade fronting Public Street B and a primary building entrance fronting on Public Street B to enhance pedestrian activity. The entrance shall be connected to the sidewalk along Public Street B by a sidewalk that terminates at the axis of Public Street A.

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APR 20 2015

VILLAGE GREEN ZONE

- The Rezoning Plan provides for a signature Public Green with significant building frontage in order to create a well-defined edge for that public open space.
- Off-street parking areas shall be screened from view from the Public Green and shall not front the Public Green or be located to the sides of buildings that front the Public Green, except as generally depicted on the Conceptual Master Plan.
- Multifamily buildings with facades in excess of 250 linear feet that front on public or private streets shall be articulated in one or more of the following methods to visually break down the buildings potentially monolithic mass and achieve an appropriate pedestrian scale.
- Any buildings fronting the Public Green shall include primary entrances that open to the Public Green and all such entrances for non-residential uses shall be open and operable during business hours.

GOLF LINKS DRIVE ZONE

- Parking structures shall be designed to materially screen the view of parked cars from adjacent public or private streets or publicly accessible open spaces or plazas. Screening of cars on the ground level will be accomplished primarily through the use of landscaping; and screening of cars parked on the upper level will be accomplished by a wall, at least 36 inches in height, designed as part of the parking deck structure. Parking structures shall be screened with decorative louvers and landscaped as required by the Ordinance.
- Multifamily buildings with facades in excess of 250 linear feet that front on public or private streets shall be articulated in one or more of the following methods to visually break down the buildings potentially monolithic mass and achieve an appropriate pedestrian scale along the street wall.
- Off-street parking and maneuvering areas may not be located between public streets and buildings, except as generally depicted on the Conceptual Master Plan.