

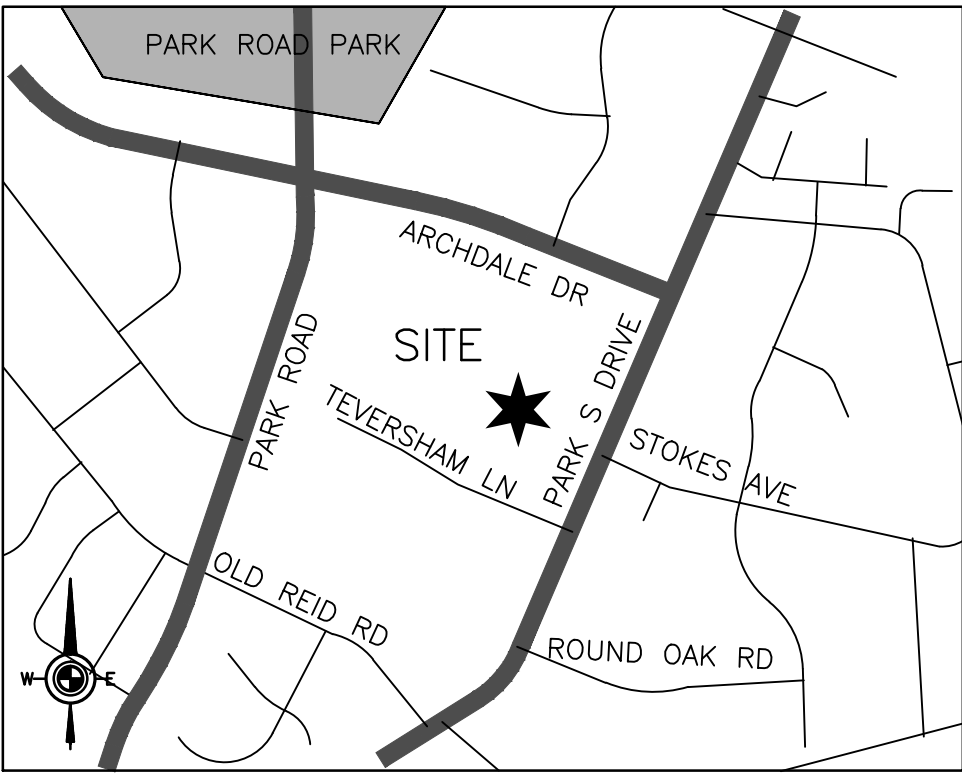


Know what's below.
Call before you dig.

CHANNING HALL AT SOUTH PARK

PARK SOUTH DRIVE, CHARLOTTE, NORTH CAROLINA

BONTERRA BUILDERS
5615 POTTER ROAD
MATTHEWS, NORTH CAROLINA 28104
704.821.8020



VICINITY MAP
not to scale

CONSTRUCTION DOCUMENTS

GENERAL NOTES:

- SURVEY INFORMATION OBTAINED BY EAGLE ENGINEERING, DATED XX/XX/20XX
- ARCHITECTURAL DIMENSIONS TO BE VERIFIED BY SURVEYOR. REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
- SURVEYOR SHALL REPORT ANY ENCROACHMENTS OR DISCREPANCIES GENERATED BY THE SITE PLAN AGAINST ANY SITE DEVELOPMENT REQUIREMENTS SPECIFIED BY THE SITE PLAN TO THE OWNER, LANDSCAPE ARCHITECT OR CIVIL ENGINEER PRIOR TO ANY ACTUAL CONSTRUCTION.
- COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR.
- ALL ROAD IMPROVEMENTS AT PARK SOUTH DRIVE ARE TO BE COORDINATED WITH THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.
- DEVELOPER WILL PROVIDE STREET SIGNS PER CMILDS# 50.05 (9" SIGNS ONLY)
- SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.
- 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.
- APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS.
- IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.5% SLOPE ON THE CURB.
- SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR.
- CURB AND GUTTER SHOWN ON PLANS ALONG PARK SOUTH AND PRIVATE STREET MAY BE ADJUSTED BASED UPON FIELD STAKING BY CITY ENGINEERING. ASSOCIATED STORM DRAINAGE MAY ALSO REQUIRE MODIFICATION BASED UPON FIELD CONDITIONS.
- THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE AND ANY STRUCTURES AND/OR OBSTRUCTION TO STORM WATER FLOW IS PROHIBITED.
- 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.
- 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.
- ANY BUILDING WITHIN THE 100+1 BUILDING RESTRICTION FLOODLINE IS SUBJECT TO THE RESTRICTIONS OF THE (CITY OF CHARLOTTE/MECKLENBURG COUNTY) SUBDIVISION ORDINANCE, SECTION 7.200.8.
- ANY CONSTRUCTION OR USE WITHIN THE AREAS DELINEATED AS COMMUNITY ENCROACHMENT (0.1') FLOODWAY ENCROACHMENT AREA IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS OF THE CITY OF CHARLOTTE AND MECKLENBURG COUNTY.
- ALL OPENINGS (E.G., DOORS, WINDOWS, VENTS) IN STRUCTURES BUILT ON ALL LOTS SHOULD BE LOCATED A MINIMUM OF ONE FOOT ABOVE THE ADJACENT FINISHED GROUND SURFACE (APPLIES TO LOTS WHICH MAY EXPERIENCE SIGNIFICANT OVERLAND FLOW NOT CONSIDERED IN THE 100+1 FLOOD ANALYSIS.)
- PE SEALED SHOP DRAWINGS FOR RETAINING WALL MUST BE SUBMITTED TO CITY ENGINEER PRIOR TO CONSTRUCTION.
- "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/COUNTY SUBDIVISION ORDINANCE.
- PRIOR TO INSTALLATION, PE SEALED SHOP DRAWINGS FOR UNDERGROUND DETENTION SYSTEMS MUST BE FURNISHED TO CITY OF CHARLOTTE ENGINEERING FOR APPROVAL.
- PRIOR TO CO, SURVEYOR SEALED AS-BUILT DRAWINGS OF UNDERGROUND DETENTION SYSTEMS MUST BE PROVIDED.
- NONSTANDARD ITEMS (IE: PAVERS, IRRIGATION SYSTEMS, ETC.) IN THE RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE (CHARLOTTE DEPARTMENT OF TRANSPORTATION/NORTH CAROLINA DEPARTMENT OF TRANSPORTATION) BEFORE INSTALLATION.
- PRIOR TO PLAT RECORDATION, OFFSITE R/W AND/OR CONSTRUCTION EASEMENTS ARE REQUIRED TO BE OBTAINED ACCORDING TO THE GUIDELINES OF THE "OFFSITE R/W ACQUISITION PROCESS". THESE NEEDED R/W AND CONSTRUCTION LIMITS ARE CLEARLY SHOWN ON THE ROADWAY IMPROVEMENT PLAN.
- THE DEVELOPER SHALL CONTACT THE CHARLOTTE DEPARTMENT OF TRANSPORTATION (GUS JORDI, 704-336-7086) 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.
- PIPE SYSTEMS AND/OR CHANNELS LOCATED WITHIN PUBLIC DRAINAGE EASEMENTS ARE THE MAINTENANCE RESPONSIBILITY OF THE INDIVIDUAL PROPERTY OWNER.
- ALL CONSTRUCTION TO CONFORM TO CHARLOTTE / MECKLENBURG LAND DEVELOPMENT STANDARDS.
- FIRE HYDRANT LOCATION SHALL BE REVIEWED AND APPROVED BY THE COUNTY FIRE MARSHALL DURING THE BUILDING PERMIT PROCESS.
- PER SECTION 18-175(e) OF 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 (PCCES) MUST BE RECORDED PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.

CONSTRUCTION SEQUENCE:

- OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT.
- SET UP A ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR FROM THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF CHAPTER 18 OF THE CITY CODE AND IS SUBJECT TO FINE.
- INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT TRAPS, DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
- CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES THE GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
- THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
- FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
- STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
- COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURES.
- 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, CITY OF CHARLOTTE EROSION CONTROL ORDINANCE, AND THE CHARLOTTE-MECKLENBURG LAND DEVELOPMENT STANDARDS.

EROSION CONTROL NOTES:

- ALL "STD." NUMBERS REFER TO THE CHARLOTTE-MECKLENBURG LAND DEVELOPMENT STANDARDS MANUAL.
- ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
- 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.
- 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.
- ALL AREAS MUST BE SEEDED AND MULCHED WITHIN 21 CALENDAR DAYS, REFER TO EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY ENGINEERING DEPARTMENT.
- SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10' REQUIRE ADEQUATE TERRACING [CMILDS #50.16]
- A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
- TEMPORARY DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.

SITE ACCESSIBILITY NOTES:

- ALL BUILDINGS WITHIN THE BOUNDARY OF THIS SITE, UNLESS OTHERWISE STATED AS EXEMPT, SHALL HAVE "ACCESSIBLE ROUTES" AS REQUIRED THAT CONFORM TO THE REQUIREMENTS OF "THE AMERICANS WITH DISABILITIES ACT", "FAIR HOUSING STANDARDS", ICC ANSI A 117.1-209 AND GOVERNING STATE HANDICAP CODE STANDARDS.

THESE STANDARDS FOR ACCESSIBILITY INCLUDE, BUT ARE NOT LIMITED TO:

MAXIMUM WALK SLOPE = 1:20
MAXIMUM RAMP SLOPE = 1:12 WITH RAILING
MAXIMUM CROSS SLOPE = 1/4" PER FOOT (2%)
ALL WALKS TO BE BROOM FINISHED CONCRETE UNLESS OTHERWISE SPECIFIED ON THESE DRAWINGS
MAXIMUM ACCESSIBLE ROUTE LENGTH (NC) = 200'

- THE PAVEMENT SLOPE WITHIN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% IN ALL DIRECTIONS.
- CONTRACTOR TO CONTACT DESIGN RESOURCE GROUP FOR ANY VARYING SITE CONDITIONS OR DISCREPANCIES AFFECTING SITE ACCESSIBILITY REQUIREMENTS.

ADDITIONAL ACCESSIBLE ROUTE NOTES FOR ACCESSIBILITY COMPLIANCE WITH ICC/ANSI A117.1-2009, AND 2010 ADA STANDARDS.

- PROTRUDING OBJECTS ON CIRCULATION PATHS WITHIN COMMON USE AREAS TO COMPLY WITH ANSI 2009 SECTION 307, INCLUDING:
 - PROTRUSION LIMITS: OBJECTS WITH LEADING EDGES MORE THAN 27" AND NOT MORE THAN 80" ABOVE THE FLOOR SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH. EXCEPTIONS INCLUDE HANDRAILS, DOOR CLOSERS, AND DOOR STOPS.
 - POST MOUNTED OBJECTS: OBJECTS ON POSTS OR PYLONS SHALL BE PERMITTED TO OVERHANG 4" MAXIMUM WHERE MORE THAN 27" AND NOT MORE THAN 80" ABOVE THE FLOOR. OBJECTS ON MULTIPLE POSTS OR PYLONS WHERE THE CLEAR DISTANCE BETWEEN THE POSTS OR PYLONS IS GREATER THAN 12" SHALL HAVE THE LOWEST EDGE OF SUCH OBJECT EITHER 27" MAXIMUM OR 80" MINIMUM ABOVE THE FLOOR.
 - REDUCED VERTICAL CLEARANCE: GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE OBJECT PROTRUSION IS BEYOND THE LIMITS ALLOWED BY SECTIONS 307.2 AND 307.3, AND WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" ABOVE THE FLOOR. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE 27" MAXIMUM ABOVE THE FLOOR.
- PROTRUDING OBJECTS ON CIRCULATION PATHS WITHIN PUBLIC USE AREAS TO COMPLY WITH 2010 ADA SECTION 307, INCLUDING:
 - 2010 ADA SECTION 307.2: OBJECTS PROJECTING FROM WALLS
 - 2010 ADA SECTION 307.4: MINIMUM CLEAR HEADROOM
- FLOOR AND GROUND SURFACES IN COMMON USE AREAS SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL COMPLY WITH ANSI 2009 SECTIONS 302.
- FLOOR AND GROUND SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES WITH PUBLIC USE AREAS SHALL BE STABLE, FIRM, AND SLIP-RESISTANT AND SHALL COMPLY WITH 2010 ADA SECTION 302.
- CHANGES IN LEVEL IN COMMON USE AREAS SHALL COMPLY WITH ANSI 2009 SECTION 303, INCLUDING:
 - ANSI 2009 SECTION 303.2: VERTICAL
 - ANSI 2009 SECTION 303.3: BEVELED
 - ANSI 2009 SECTION 303.4: RAMPS
- CHANGES IN LEVEL ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES WITH PUBLIC USE AREAS SHALL COMPLY WITH 2010 ADA SECTION 303, INCLUDING:
 - 2010 ADA SECTION 303.2: VERTICAL
 - 2010 ADA SECTION 303.3: BEVELED
 - 2010 ADA SECTION 303.4: RAMPS

ENGINEER'S NOTES:

- CONTRACTOR SHALL NOTIFY THE ENGINEER OF WORK 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING INTERPRETATIONS FOR ANY QUESTIONS REGARDING THESE DRAWINGS PRIOR TO COMMENCEMENT OF WORK OR ORDERING OF MATERIALS AND SHALL BEAR THE COST OF ALL REWORK IF NOT PROPERLY COORDINATED.
- CONTRACTOR SHALL PROVIDE ENGINEER WITH RECORD DRAWING INFORMATION FROM A REGISTERED LAND SURVEYOR UPON COMPLETION OF INSTALLATION AND PLACEMENT OF LANDSCAPE.
- CONTRACTOR SHALL OBTAIN A PERMIT FOR ANY EXCAVATION PERFORMED WITHIN THE PUBLIC RIGHT-OF-WAY
- THE ENGINEER OF WORK SHALL NOT BE RESPONSIBLE FOR THE ENFORCEMENT OF SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT, AND MAINTAIN ALL SAFETY DEVICES AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY STANDARDS, LAWS AND REGULATIONS.
- CONTRACTOR SHALL ADJUST ALL PROPOSED AND EXISTING FACILITIES TO FINAL GRADE.
- CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE FIELD DATA AND THE INFORMATION SHOWN HEREON. ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY WORK DONE WITHOUT PROPER NOTIFICATION AND COORDINATION.
- THE ENGINEER PREPARING THESE PLANS SHALL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES MUST BE IN WRITING AND MUST BE APPROVED BY THE DESIGN ENGINEER PRIOR TO IMPLEMENTATION.
- PRIVATE WATER AND SANITARY SEWER SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH N.C.D.E.N.R. REGULATIONS IN THE PRESENCE OF THE ENGINEER PRIOR TO ACTIVATION OF FACILITIES.
- EXISTING SANITARY SEWER AND WATER SYSTEM SHOWN PER PROVIDED SURVEY AND CMUD REFERENCE DRAWINGS. EXISTING PUBLIC UTILITY INFORMATION IS SHOWN FOR REFERENCE ONLY AND EXISTING SIZES, INVERTS, AND LOCATIONS SHALL BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL SUBSTRUCTURES, WHETHER SHOWN HEREON OR NOT, AND PROTECT FROM DAMAGE DURING INSTALLATION. THE EXPENSE OF REPAIR OR REPLACEMENT OF SAID STRUCTURES SHALL BE BORNE BY THE CONTRACTOR.
- A LICENSED UTILITY CONTRACTOR WILL INSTALL THE TAPS AND METERS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE TAPS AND METERS TO CMUD STANDARDS AND REGULATIONS.
- SANITARY YARD HYDRANTS SHALL NOT BE "STOP AND DRAIN", "STOP AND WASTE", OR "WEEP HOLE" TYPE HYDRANTS.
- IF CONTRACTOR OPTS TO INSTALL PRECAST STRUCTURES, CONTRACTOR SHALL BE REQUIRED TO VERIFY RIM ELEVATIONS AND LAYOUT OF ALL PIPES, INCLUDING SIZE AND INVERTS OF EXISTING FACILITIES, PRIOR TO THE ORDERING OF MATERIALS.
- IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO ADJUST ALL PRECAST STRUCTURES TO FINISHED GRADE IN ACCORDANCE WITH AGENCY SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS. NO ADDITIONAL PAYMENT WILL BE MADE FOR ADJUSTING FACILITIES TO FINISHED GRADE.
- FIRE HYDRANTS ARE TO BE 10' CLEAR OF ANY OBSTRUCTIONS.
- FDC LOCATIONS SHALL BE IN ACCORDANCE W/ CFD REQUIREMENTS.
- FIRE SPRINKLER SIZING AND FDC CONNECTIONS TO BE SIZED AND LOCATED PER THE RECOMMENDATIONS OF THE FIRE SPRINKLER CONSULTANT. ALL REFERENCES SHOWN HEREON ARE FOR SCHEMATIC PURPOSES ONLY.

SITE DATA

TAX MAP NO: 17309121, 17309120
ZONING: UR-2 (CD)
REZONING PETITION NO: 2013-015
SITE AREA: +/- 4.99 ACRES (217,364 SF)
PROPOSED USE: SINGLE FAMILY HOMES WITH 2 CAR GARAGES
PROPOSED DWELLING UNITS: 15 SINGLE FAMILY HOMES
DENSITY: 3.00 D.U.A.

SETBACKS
FRONT YARD 14' FROM BACK OF PROPOSED CURB
SIDE YARD 5' FROM PROPERTY LINE
REAR YARD 10' FROM PROPERTY LINE
MINIMUM LOT AREA 3,000 SF
MINIMUM LOT WIDTH 20'

BUILDING HEIGHT (MAXIMUM): 40'

TREE SAVE REQUIRED 10.0% (0.499 AC)
TREE SAVE PROPOSED 10.0% (0.50 AC)

BUFFERS PER REZONING

TRASH & RECYCLING
PICK UP REQUIRED: PRIVATE TRASH COLLECTIONS SYSTEM

MAXIMUM IMPERVIOUS PER LOT: LOTS 1-12 4,880 LOT 13 6,100 LOT 14 5,400 LOT 15 5,050

ESTIMATED TIME OF COMPLETION: 2016

SHEET SCHEDULE	
C0.0	COVER SHEET
C1.0	SURVEY
C1.1	SURVEY
C1.2	FLOOD CROSS SECTIONS
C1.3	FLOOD CROSS SECTIONS
R21.0	REZONING PLAN
C2.0	SITE PLAN
C2.1	INTERSECTION SITE DISTANCE PLAN
C3.0	EROSION CONTROL PLAN - PHASE 1
C3.1	EROSION CONTROL PLAN - PHASE 2
C3.2	EROSION CONTROL PLAN - PHASE 3
C4.0	GRADING PLAN
C4.1	STORM DRAINAGE PLAN
C4.2	STORM DRAINAGE AREA PLAN
C4.3	DETENTION PLAN
C4.4	SAND FILTER DETAILS
C4.5	STORM WATER MANAGEMENT PLAN
C5.0	WATER & SANITARY SEWER PLAN
C6.0	REQUIRED PLANTING PLAN
C7.0	PARK SOUTH ROAD IMPROVEMENTS
C7.1	HARPER COURT PLAN AND PROFILE
C7.2	PARK SOUTH CROSS SECTIONS
C7.3	PARK SOUTH CROSS SECTIONS
C7.4	PARK SOUTH CROSS SECTIONS
C7.5	TRAFFIC CONTROL PLANS
C8.0	SITE DETAILS
C8.1	SITE DETAILS
C9.0	EROSION CONTROL DETAILS
C9.1	EROSION CONTROL DETAILS
C9.2	DRAINAGE DETAILS
C9.3	UTILITY DETAILS
C9.4	DETAILS



REVISION
APPROVED FOR
CONSTRUCTION
CHARLOTTE-MECKLENBURG PLANNING DEPARTMENT
By: Joshua Weaver 3-9-2016



FINAL
APPROVAL

http://development.charmeck.org

ENGINEERING
PCO / DETENTION / DRAINAGE PLAN

EROSION CONTROL

NOTE: SCHEDULE PRE-CONSTRUCTION MEETING AT LEAST 48 HRS. PRIOR TO ANY LAND DISTURBING ACTIVITY USING THE ONLINE FORM AT <http://development.charmeck.org>

URBAN FORESTRY
TREE ORDINANCE

CDOT

APPROVED
By Brendan Smith at 10:36 am, Mar 02, 2016

APPROVED

APPROVED
By gturner at 5:20 pm, Mar 02, 2016

APPROVED

CONSULTANTS:

DEVELOPER: BONTERRA BUILDERS
5615 POTTER RD
MATTHEWS, NC 28104
704.821.8020

LANDSCAPE ARCH.: DESIGN RESOURCE GROUP, PA
2459 WILKINSON BOULEVARD
SUITE 200
CHARLOTTE, NC 28208
704.343.0608

CIVIL ENGINEER: DESIGN RESOURCE GROUP, PA
2459 WILKINSON BOULEVARD
SUITE 200
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704.343.0608

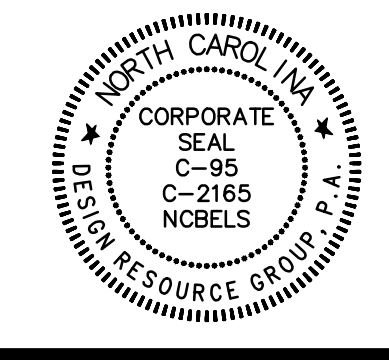
SURVEYOR: EAGLE ENGINEERING
2013 VAN BUREN AVE.
INDIAN TRAIL, NC 28108
704.882.0329



design resource group

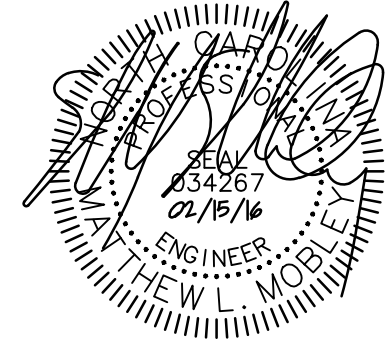
- landscape architecture
- civil engineering
- urban design
- land planning
- traffic engineering
- transportation planning

2459 wilkinson boulevard, suite 200
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CONSTRUCTION
DOCUMENTS



PROJECT #: 409-001
DRAWN BY: NB
CHECKED BY: MV

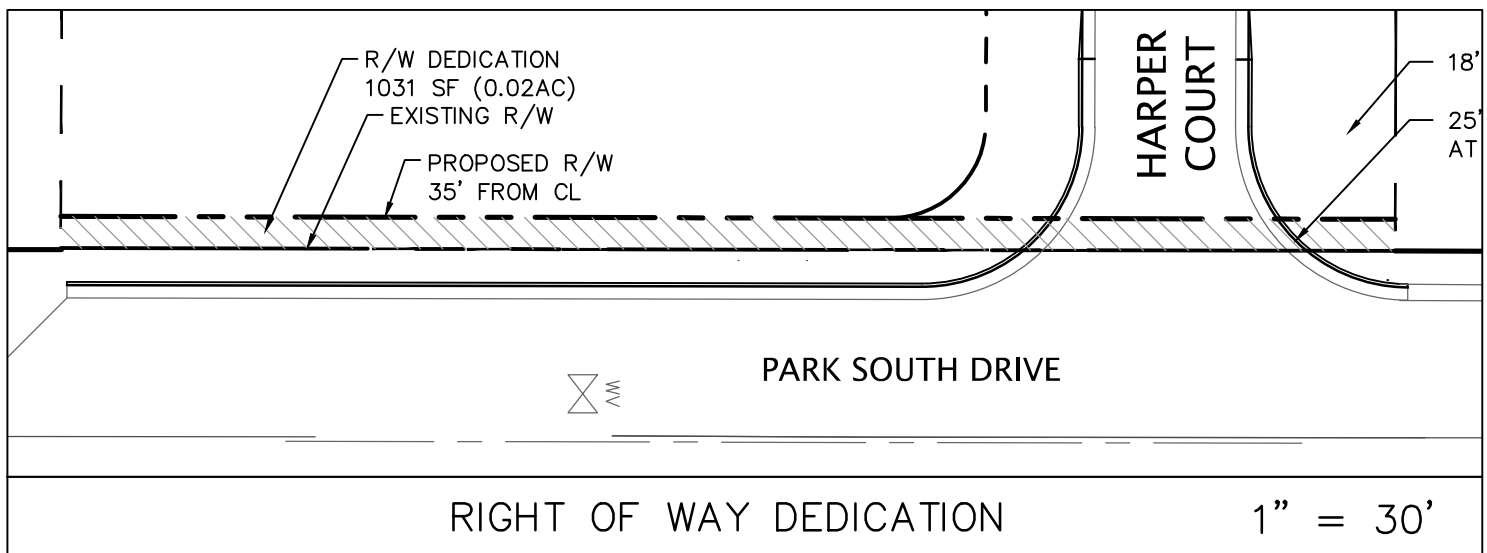
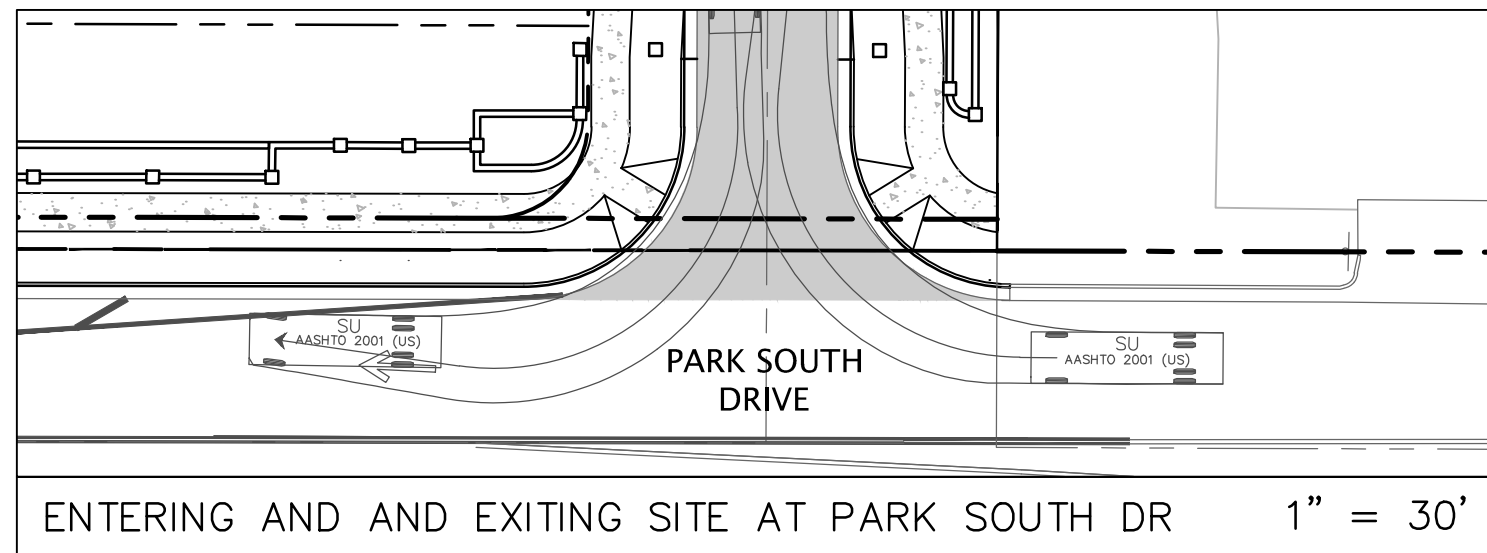
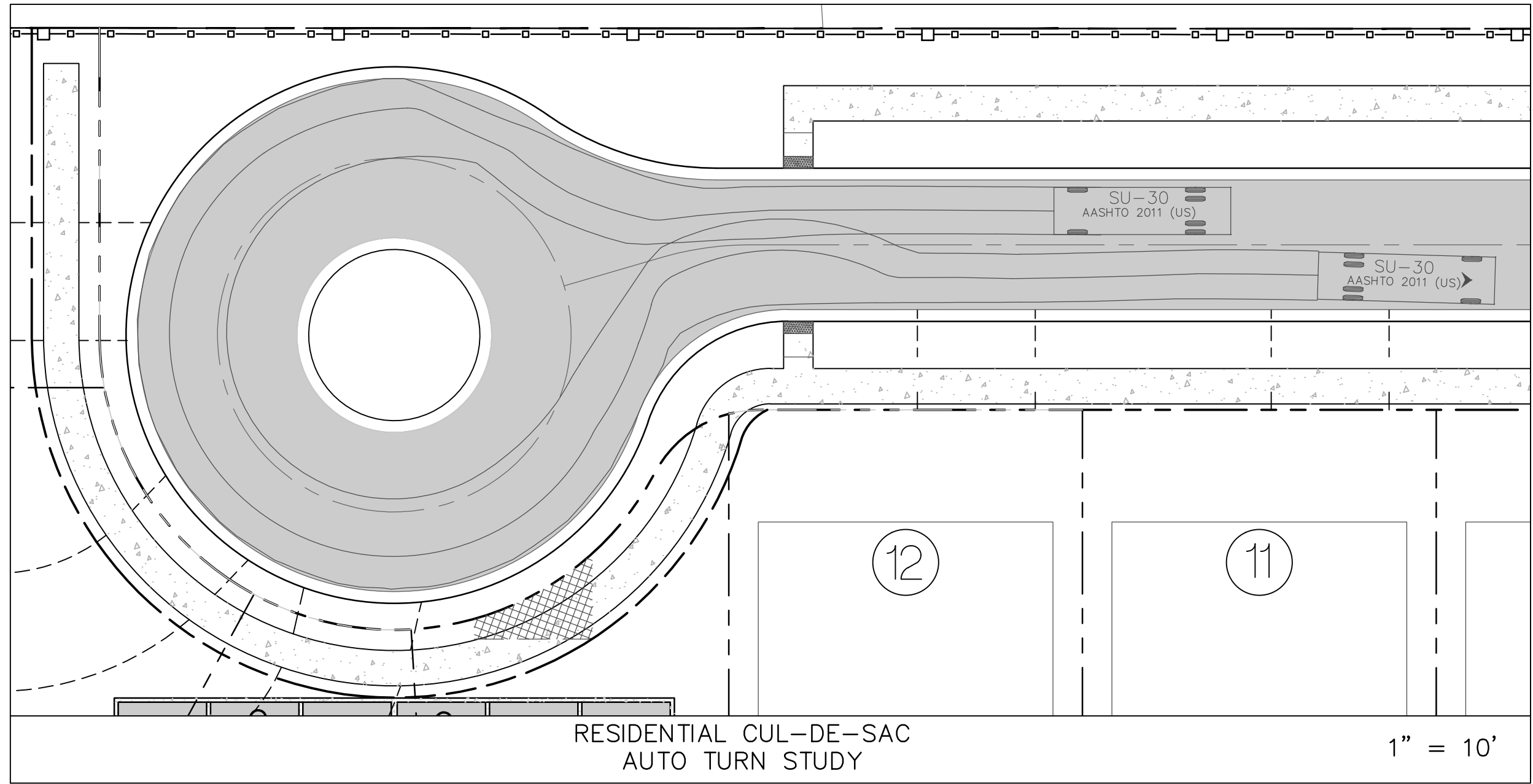
COVER SHEET

AUGUST 2, 2013

REVISIONS:

- 10/29/13 - PER CITY COMMENTS
- 12/20/13 - PER CITY COMMENTS
- 04/23/14 - PER CITY COMMENTS AND PUBLIC STREET
- 02/17/15 - RTAP SUBMITTAL
- 04/01/15 - RTAP CITY COMMENTS

C0.0



SITE DATA

TAX MAP NO: 17309121, 17309120

ZONING: UR-2 (CD)

REZONING PETITION NO: 2013-015

SITE AREA: +/- 4.99 ACRES (217,364 SF)

PROPOSED USE: SINGLE FAMILY HOMES WITH 2 CAR GARAGES

PROPOSED DWELLING UNITS: 15 SINGLE FAMILY HOMES

DENSITY: 3.00 D.U.A.

SETBACKS

FRONT YARD: 14' FROM BACK OF PROPOSED CURB

SIDE YARD: 5' FROM PROPERTY LINE

REAR YARD: 10' FROM PROPERTY LINE

MINIMUM LOT AREA: 3,000 SF

MINIMUM LOT WIDTH: 20'

BUILDING HEIGHT (MAXIMUM): 40'

TREE SAVE REQUIRED: 10.0% (0.499 AC)

TREE SAVE PROPOSED: 10.0% (0.50 AC)

BUFFERS PER REZONING

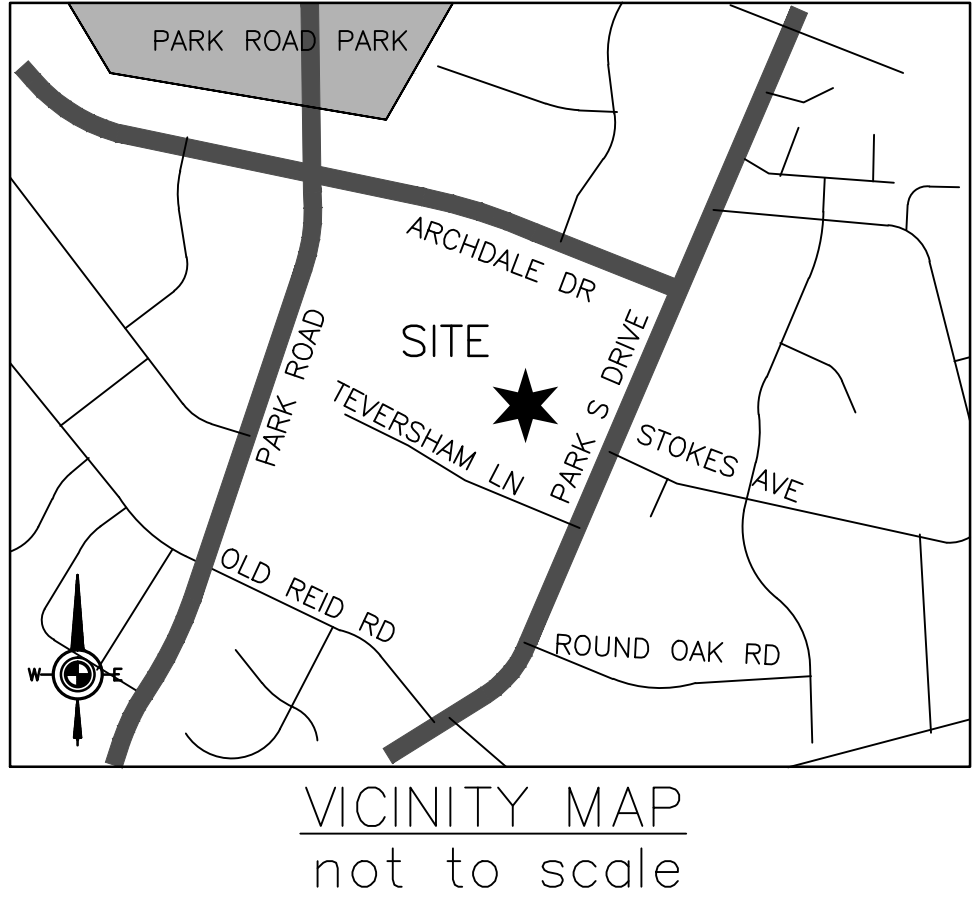
TRASH & RECYCLING: PRIVATE TRASH COLLECTIONS SYSTEM

PICK UP REQUIRED: 2016

MAXIMUM IMPERVIOUS PER LOT:

LOTS 1-12	LOT 13	LOT 14	LOT 15
4,880	6,100	5,400	5,050

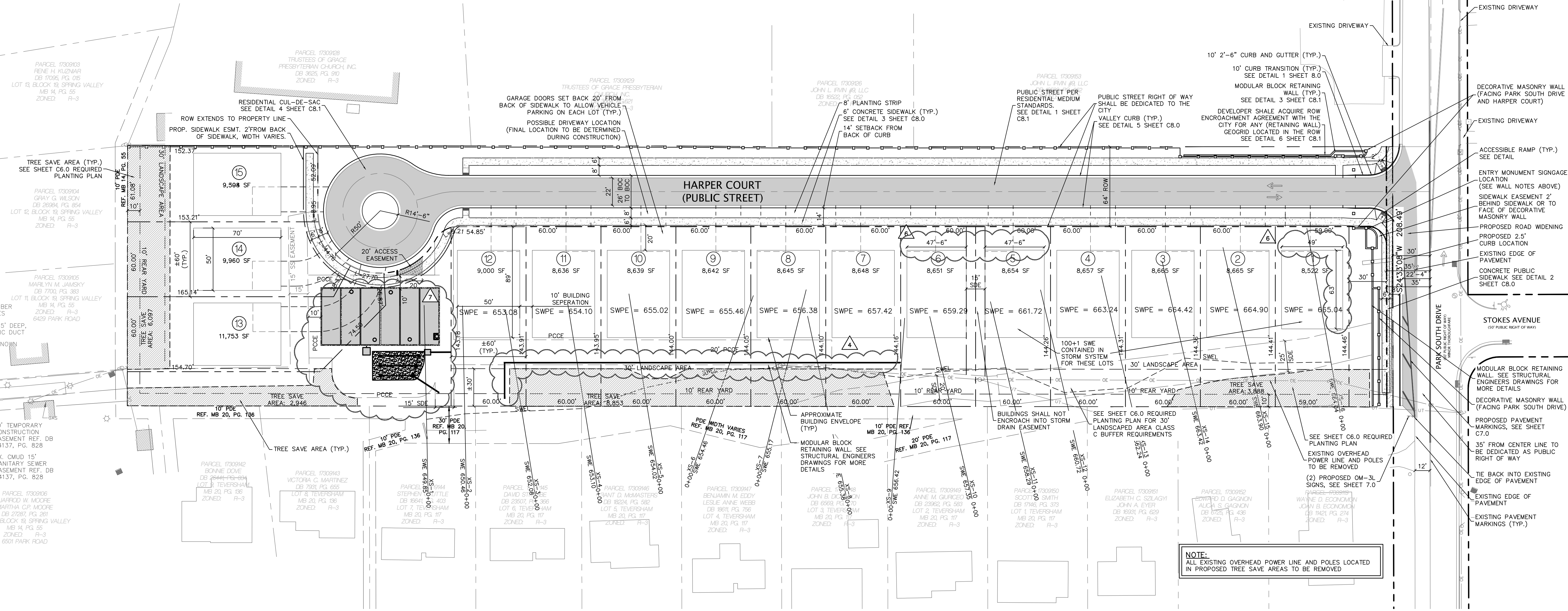
ESTIMATED TIME OF COMPLETION: 2016



- NOTE:**
- DIRECT VEHICULAR ACCESS TO PARK SOUTH DRIVE FROM LOT ONE IS PROHIBITED.
 - FINAL LOCATION OF DRIVEWAYS ARE TO BE DETERMINED DURING CONSTRUCTION
 - GARAGE DOORS SET BACK 20' FROM BACK OF SIDEWALK TO ALLOW VEHICLE PARKING ON EACH LOT (TYP.)

- LEGEND:**
- SWE = STORM WATER ELEVATION
- SWPE = STORM WATER PROTECTION ELEVATION
- SWEL = 100 + 1 STORM WATER ELEVATION LINE

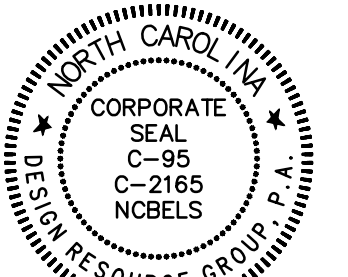
- WALL NOTES:**
- PROJECT SIGNAGE TO BE MOUNTED ON FREESTANDING WALL. SIGNAGE SHALL MEET ALL ORDINANCE REQUIREMENTS AND SHALL BE PERMITTED SEPARATELY BY OTHERS.
 - SIDEWALK EASEMENT TO BE 2' BEHIND SIDEWALK OR TO FACE OF DECORATIVE MASONRY WALL
 - DEVELOPER SHALL ACQUIRE ROW ENCROACHMENT AGREEMENT WITH THE CITY FOR ANY (RETAINING WALL) GEOGRID LOCATED IN THE ROW



design resource group

- landscape architecture
- civil engineering
- urban design
- land planning
- traffic engineering
- transportation planning

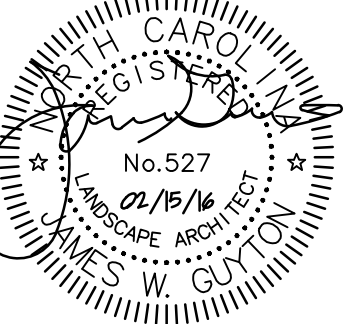
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CONSTRUCTION DOCUMENTS



SCALE: 1" = 40'

PROJECT #: 409-001
DRAWN BY: NB
CHECKED BY: MV

SITE PLAN

AUGUST 2, 2013

- REVISIONS:**
- 10/29/13 - PER CITY COMMENTS
 - 12/20/13 - PER CITY COMMENTS
 - 04/23/14 - PER CITY COMMENTS AND PUBLIC STREET
 - 02/17/15 - RTAP SUBMITTAL
 - 04/01/15 - RTAP CITY COMMENTS
 - 06/24/15 - PAD DIMENSION
 - 11/06/15 - RTAP DETENTION AND SAND FILTER

C2.0