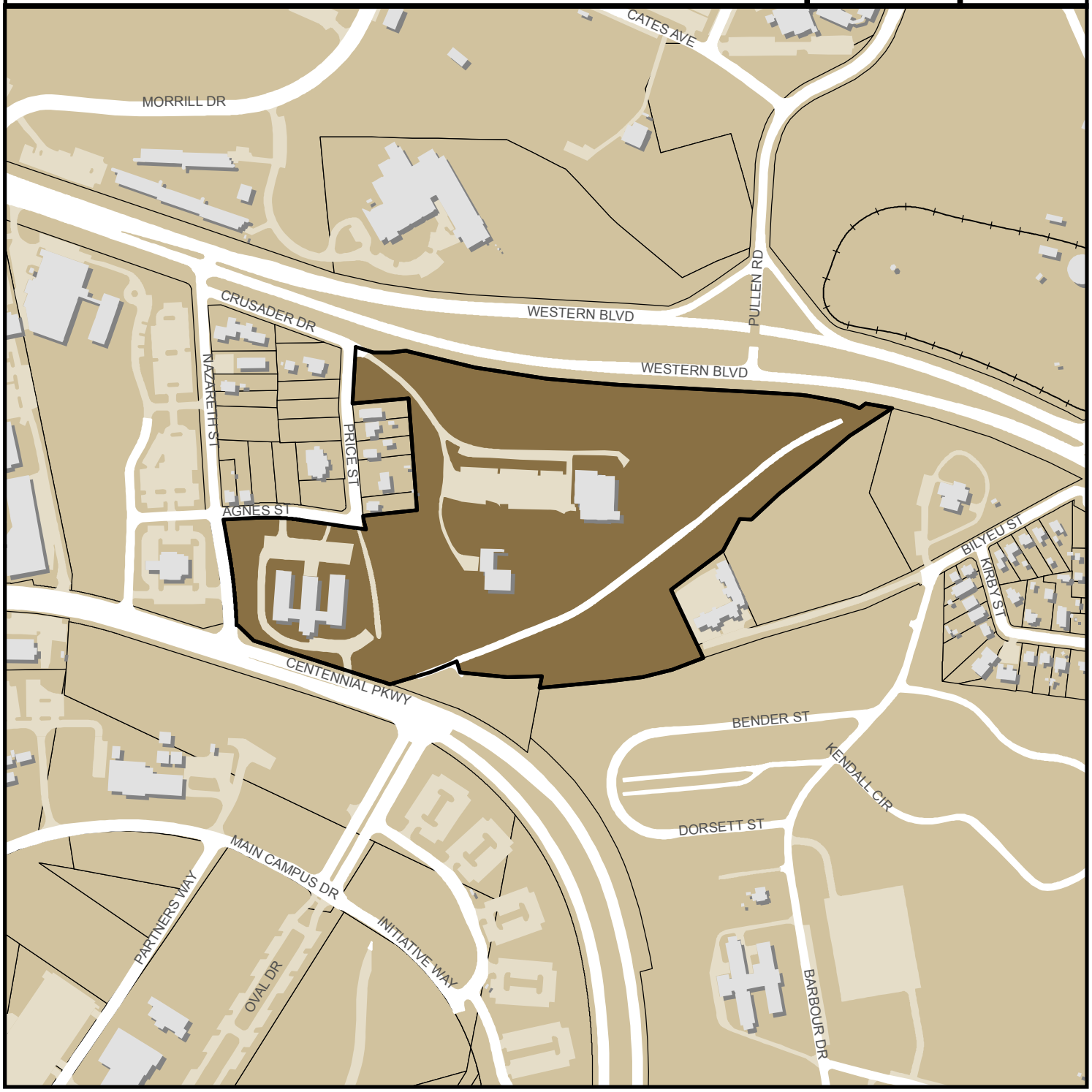
ROMAN CATHOLIC DIOCESE OF RALEIGH CATHEDRAL
SP-41-2014



Zoning:	**O&I-1, SRPOD**
CAC:	**Southwest**
Drainage Basin:	**Rocky Branch**
Acreage:	**26.39**
Square Feet:	**43,149**

Planner:	**Meade Bradshaw**
Phone:	**(919) 996-2664**
Applicant:	**McAdams Company**
Phone:	**(919) 361-5000**

Planning & Development

SP-41-14

Development Services
Customer Service Center
One Exchange Plaza
1 Exchange Plaza, Suite 400
Raleigh, North Carolina 27601
Phone 919-996-2495
Fax 919-516-2685

Preliminary Development Plan Application

When submitting plans, please check appropriate review type and include the Plan Checklist document.

Preliminary Approvals		FOR OFFICE USE ONLY
☒ Site Plans for Planning Commission ☐ Preliminary Administrative Site Plans ☐ Group Housing ** ☐ Multifamily (Infill)**	☐ Subdivision* ☐ Cluster Subdivision** ☐ Infill Subdivision** ☐ Expedited Subdivision Review ☐ Conventional Subdivision ☐ Compact Development ☐ Conservation Subdivision	Transaction Number 404799 Assigned Project Coordinator Assigned Team Leader
* May require Planning Commission or City Council Approval	** Legacy Districts Only	

Has your project previously been through the Due Diligence process? If yes, provide the transaction #

GENERAL INFORMATION

Development Name: Roman Catholic Diocese of Raleigh Cathedral

Proposed Use: Church

Property Address(es): 715 Nazareth Sreet; 2401 Crusader Drive

Wake County Property Identification Number(s) for each parcel to which these guidelines will apply:

P.I.N. Recorded Deed	P.I.N. Recorded Deed	P.I.N. Recorded Deed	P.I.N. Recorded Deed
0793881119	0793772995		

What is your project type? ☐ Apartment ☐ Banks ☐ Elderly Facilities ☐ Hospitals ☐ Hotels/Motels ☐ Industrial Building ☐ Mixed Residential ☐ Non-Residential Condo ☐ Office ☒ Religious Institutions ☐ Residential Condo ☐ Retail ☐ School ☐ Shopping Center ☐ Single Family ☐ Telecommunication Tower ☐ Townhouse ☐ Other: If other, please describe:

PRELIMINARY ADMINISTRATIVE REVIEW	Per City Code Section 10-2132.2, summarize the reason(s) this plan can be reviewed administratively not requiring Planning Commission or City Council approval. N/A
PLANNING COMMISSION	Per City Code Section 10-2132.2, summarize the reason(s) this plan requires Planning Commission or City Council Preliminary Approval. This plan requires Planning Commission approval because it is located within 400 feet of a residential district.

CLIENT (Owner or Developer)	Company: Roman Catholic Diocese of Raleigh	Name (s): Art Wesche	
	Address: 7200 Stonehenge Dr, Raleigh NC 27613		
	Phone: (919) 821-9726	Email: wesche@raldioc.org	Fax:
CONSULTANT (Contact Person for Plans)	Company: McAdams Company	Name (s): Andy Padiak	
	Address: 2905 Meridian Parkway, Durham, North Carolina 27713		
	Phone: (919) 361-5000	Email: padiak@mcadamsco.com	Fax:

ext-1/28

Acres 26.39

DEVELOPMENT TYPE & SITE DATA TABLE (Applicable to all developments)

Zoning Information	Building Information
Zoning District(s) O&I - 1	Proposed building use(s) Church/Cathedral
If more than one district, provide the acreage of each	Existing Building(s) sq. ft. gross N/A
Overlay District Special Residential Parking Overlay District (SRPOD)	Proposed Building(s) sq. ft. gross 43,149
Total Site Acres Inside City Limits ■ Yes ☐ No	Total sq. ft. gross (existing & proposed) 43,149
Off street parking Required 250 Provided 578	Proposed height of building(s) 77' - 3"
COA (Certificate of Appropriateness) case # N/A	FAR (floor area ratio percentage)
BOA (Board of Adjustment) case # A- N/A	Building Lot Coverage percentage (site plans only)
CUD (Conditional Use District) case # Z- N/A	
Stormwater Information	
Existing Impervious Surface acres/square feet 5.69 AC	Flood Hazard Area ☐ Yes ■ No
Proposed Impervious Surface acres/square feet 12.42 AC	If Yes, please provide
Neuse River Buffer ■ Yes ☐ No Wetlands ☐ Yes ☒ No	Alluvial Soils Flood Study FEMA Map Panel #

CONFORMITY WITH THE COMPREHENSIVE PLAN (Applicable to all developments)

Provide a description of how your plan conforms to the guidelines of the Comprehensive Plan 2030.

The subject property is located within both the Institutional and Medium Density Residential districts and is consistent with the Comprehensive Plan.

FOR SUBDIVISION, APARTMENT, TOWNHOUSE, CONDOMINIUM PROJECTS ONLY

1. Total # Of Townhouse Lots Detached n/a Attached n/a	11. Total number of all lots 2
2. Total # Of Single Family Lots n/a	12. Is your project a cluster unit development? ☐ Yes ■ No
3. Total # Of Apartment Or Condominium Units n/a	If Yes, please answer the questions below:
4. Total # Of Congregate Care Or Life Care Dwelling Units n/a	a) Total number of Townhouse Lots
5. Total # Of Mobile Home Lots n/a	b) Total number of Single Family Lots
6. Total Number of Hotel Units n/a	c) Total number of Group Housing Units
7. Overall Total # Of Dwelling Units (1-6 Above) n/a	d) Total number of Open Space Lots
8. Bedroom Units 1br 2br 3br 4br or more	e) Minimum Lot Size
9. Overall Unit(s)/Acre Densities Per Zoning District(s) n/a	f) Total Number of Phases
10. Total number of Open Space (only) lots n/a	g) Perimeter Protective Yard Provided ☐ Yes ☐ No
	h) Must provide open space quotient per City Code 10-3071 (5)

SIGNATURE BLOCK (Applicable to all developments)

In filing this plan as the property owner(s), I/we do hereby agree and firmly bind ourselves, my/our heirs, executors, administrators, successors and assigns jointly and severally to construct all improvements and make all dedications as shown on this proposed subdivision plan as approved by the City.

I hereby designate Russell C. Elmayan to serve as my agent regarding this application, to receive and respond to administrative comments, to resubmit plans on my behalf and to represent me in any public meeting regarding this application.

I/we have read, acknowledge and affirm that this project is conforming to all application requirements applicable with the proposed development use.

Signed FOR MICHAEL F. BURBIDGE, BISHOP Date 6-4-14

Signed Russell C Elmayan Date

BY ATTORNEY-IN-FACT

TO BE COMPLETED BY APPLICANT			TO BE COMPLETED BY CITY STAFF		
	YES	N/A	YES	NO	N/A
General Requirements					
1. Filing Fee for Plan Review – Payments may be made by cash, Visa, Master Card or check made payable to: City of Raleigh (No fee for Infill recombination)	☑		✓		
2. **Preliminary Development Plan Application** completed and signed by the property owner	☑		✓		
3. Client must complete and print page 1 and 2 of the **Preliminary Development Plan Application** to the plan cover sheet (not applicable for infill recombination)	☑	☐	✓		
4. I have referenced the **Preliminary Development Plan Checklist** and by using this as a guide, it will ensure that I receive a complete and thorough first review by the City of Raleigh	☑		✓		
5. Provide the following plan sheets:	☐				
a) Cover sheet: includes general notes, owner's name, contact's name, telephone number, mailing address and email address	☑		✓		
b) Existing Conditions Sheet	☑	☐	✓		
c) Proposed Site or Subdivision Plan	☑		✓		
d) Proposed Grading and Stormwater Plan	☑	☐	✓		
e) Proposed Utility Plan, including Fire	☑	☐	✓		
f) Proposed Tree Conservation Plan	☑	☐	✓		
g) Proposed Landscaping Plan (Landscape Plan not required for commercial subdivisions)	☑	☐	✓		
h) Building elevations that show maximum height from natural and finished grade, buildings to be removed	☑	☐	✓		
i) Transportation Plan	☐	☑			✓
6. Ten (10) sets of proposed plans to engineering scale (1" = 20', 1" =100', etc.), and date of preparation. For re-submittals only – include all revision dates	☑		✓		
7. Plan size 18"x24" or 24"x36"	☑		✓		
8. A vicinity map no smaller/less than 1"=500' and no larger than 1"=1000' to the inch, showing the position of the subdivision with its relation to surrounding streets and properties, and oriented in the same direction as the preliminary plan	☑		✓		
9. Include sheet index and legend defining all symbols with true north arrow, with north being at the top of the map	☑		✓		
10. Digital copy of only the plan and elevations. Label the CD with the plan name, case file number, and indicate how many times the plan has been resubmitted for review	☑		✓		
11. Wake County School Form, if dwelling units are proposed	☐	☑			✓
12. Preliminary stormwater quantity and quality summary and calculations package	☑	☐	✓		
13. For secondary tree conservation areas, include two (2) copies of the tree cover report completed by a certified arborist, North Carolina licensed landscape architect, or North Carolina registered forester	☑	☐	✓		

SITE LEGEND

- SIGNAGE
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- TRAFFIC DIRECTIONAL ARROW
- ACC — ACCESSIBLE PARKING STALL
- ACCESSIBLE RAMPS
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE
- FENCE

TREE CONSERVATION LEGEND

- PRIMARY TREE CONSERVATION AREA
- SECONDARY TREE CONSERVATION AREA

EXISTING WESTERN BOULEVARD
NCDOT ROUTE NO. 1012
(VARIABLE WIDTH R/W)

EXISTING PULLEN RD
(VARIABLE WIDTH R/W)

EXISTING PRICE STREET (40' R/W)

EXISTING AGNES STREET (40' R/W)

EXISTING NAZARETH STREET (40' R/W)

EXISTING CENTENNIAL BOULEVARD (VARIABLE WIDTH R/W)

PROPOSED STREET 'A'

FUTURE STREET 'A'

FUTURE STREET 'B'

FUTURE CONNECTION

SCHOOL (FUTURE) 20,250 SF

GYMNASIUM (FUTURE) 16,200 SF

HALL (FUTURE) 27,675 SF

CATHEDRAL

LOT 1

LOT 2

BMP #1

ATHLETIC FIELD (FUTURE)

IMPROVEMENTS TO BE CONSTRUCTED WITH FUTURE PHASES

TEMPORARY FIRE TRUCK ACCESS EASEMENT

EXISTING WETLAND

CONTROL CORNER N=726719.68' E=2097450.90'

CONTROL CORNER N 738208.38' E 2097642.60'

PERMANENT SLOPING & LANDSCAPING EASEMENT AND PERMANENT DRAINAGE EASEMENT TO THE CITY OF RALEIGH DB 9110, PG 1011, DB 9110, PG 9115 & BOM 2001, PGS. 1766 & 1767

PERMANENT SLOPING AND LANDSCAPING EASEMENT TO THE CITY OF RALEIGH DB 9110, PG 1011 & BOM 2001, PGS. 1766 & 1767

15'X430' SIGHT DISTANCE TRIANGLE

15'X390' SIGHT DISTANCE TRIANGLE

20' WIDE BICYCLE TRAIL & PUBLIC SANITARY SEWER EASEMENT (DB 2565, PG 395 & BOM 1977, PG 523)

20' SLOPE EASEMENT (TYP.)

20' TRANSITIONAL PROTECTIVE YARD

20.0' PEDESTRIAN ACCESS EASEMENT

5' UTILITY EASEMENT (TYP.)

PROPERTY LINE (TYP.)

RETAINING WALL (DESIGN BY OTHERS)

BOLLARDS

CONCRETE BANDING

MONOLITHIC CONCRETE ISLAND

PANELA BATTS-BRIGHT D.B. 015059, PG. 02274 PIN: 793.78-2686

SBC REAL ESTATE COMPANY D.B. 008857, PG. 00304 PIN: 793.78-3509

ROMAN CATHOLIC DIOCESE OF RALEIGH D.B. 001469, PG. 01469 PIN: 793.78-3503

ROMAN CATHOLIC DIOCESE OF RALEIGH D.B. 009856, PG. 01990 PIN: 793.78-3406

MARY P. FEARNOT D.B. 4462, PG. 626 PIN: 793.08-78-5552

CLARKE J. HOLT D.B. 2102, PG. 194 PIN: 793.08-78-5456

GERTRUDE POPE D.B. 4763, PG. 573 PIN: 793.08-78-5451

EVA FRANCES FORT D.B. 2313, PG. 674 PIN: 793.08-78-5352

GYNTHIA T. SANDERS D.B. 015507, PG. 00688 PIN: 793.78-3336

SHERRY C. CLARK W.B. 310, PG. 1982 D.B. 984, PG. 422 PIN: 793.08-78-5263

ROMAN CATHOLIC DIOCESE OF RALEIGH D.B. 05245, PG. 00728 PIN: 793.78-3246

ANTHONY M. STEPHENSON THEAL N. POPE PIN: 793.78-4350

SBC REAL ESTATE COMPANY D.B. 010343, PG. 1304 PIN: 793.78-1304

ROMAN CATHOLIC DIOCESE OF RALEIGH D.B. 001556, PG. 00466 PIN: 793.78-1504

ROMAN CATHOLIC DIOCESE OF RALEIGH D.B. 05245, PG. 00728 PIN: 793.78-2532

DIOCESE OF RALEIGH, NORTH CAROLINA D.B. 2413, PG. 1 B.M. 1964, PG. 182 PIN: 793.08-88-0267

RALEIGH INVESTORS NO. 2 D.B. 3005, PG. 291 PIN: 793.08-87-5952

THE BOARD OF TRUSTEES OF THE ENDOWMENT FUND OF NORTH CAROLINA STATE UNIVERSITY D.B. 437, PG. 249 PIN: 793.1.-66-9641

NORTH CAROLINA STATE DEPARTMENT OF ADMINISTRATION (DOROTHEA DIX HOSPITAL) D.B. 219, PG. 241 PIN: 793.15-64-2710

GRAPHIC SCALE
60 0 30 60 120
1 inch = 60 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

X:\Projects\CDR\CDR-13000 - Holy Name of Jesus Cathedral\Land\Construction Drawings\Current Drawings\CDR13000-SitePlan-S1.dwg, 8/4/2014 12:20:42 PM, Williams, Sherrill

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 • McAdamsCo.com

McADAMS

NORTH CAROLINA PROFESSIONAL SEAL 27645 ENGINEER ANDREW R. PADIAK

REVISIONS:

OWNER:
ROMAN CATHOLIC DIOCESE OF RALEIGH CATHEDRAL
715 NAZARETH STREET
RALEIGH, NORTH CAROLINA 27606

CATHOLIC CATHEDRAL

SITE PLAN

WAKE COUNTY, NORTH CAROLINA

SITE PLAN

PROJECT NO.	CDR-13000
FILENAME:	CDR13000-SP-S1
DESIGNED BY:	-
DRAWN BY:	-
SCALE:	1"=60'
DATE:	07-31-14
SHEET NO.	C-3

McADAMS

GRADING LEGEND

- FLARED END SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- 250.50 / 250.00 — TOP & BOTTOM CURB ELEVATIONS
- TW=223.00 — TOP OF WALL ELEVATION
- BW=213.00 — BOTTOM OF WALL ELEVATION (NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- + 250.60 — SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- RD — RD — RD — ROOF DRAIN, 8" ADS NON-PERFORATED TUBING OR EQUAL 1.0% MIN. SLOPE 3" MIN. COVER PVC SCHEDULE 40 IN TRAFFIC AREAS
- TP — TP — TP — TREE PROTECTION
- LD — LD — LIMITS OF DISTURBANCE
- WOODED AREA
- 250 — 10' CONTOUR
- 252 — 2' CONTOUR
- 250 — EXISTING 10' CONTOUR
- 252 — EXISTING 2' CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA (2% MAX. SLOPE)
- SPILL CURB

GRADING NOTES:

1. ALL WATER AND SEWER MAINS WITHIN PUBLIC EASEMENTS AND RIGHT-OF-WAYS TO BE OWNED, OPERATED, AND MAINTAINED BY THE CITY OF RALEIGH.
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
3. CONTRACTOR SHALL CALL "NORTH CAROLINA ONE CALL" (1-800- 632-4949) AT LEAST 48 HOURS PRIOR TO MOBILIZATION TO HAVE EXISTING UTILITIES LOCATED. REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. ALL EXISTING UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. ACTUAL LOCATION AND DEPTH TO BE CONFIRMED IN FIELD BEFORE CONSTRUCTION.
5. BEFORE STARTING ANY CONSTRUCTION OF IMPROVEMENTS WITHIN ANY PUBLIC RIGHT-OF-WAY, THE FOLLOWING PROCEDURES SHALL BE UNDERTAKEN:

   CITY RIGHT-OF-WAY: CONTACT ENGINEERING DEPT. FOR INFORMATION AND INSTRUCTIONS FOR DETOURS, OPEN CUTTING OF STREETS, OR FOR ANY CONSTRUCTION WITHIN RIGHT-OF-WAY.
6. ALL DIMENSIONS SHOWN ON SITE PLAN ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

TREE CONSERVATION LEGEND

- PRIMARY TREE CONSERVATION AREA
- SECONDARY TREE CONSERVATION AREA

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 • McAdamsCo.com

McADAMS

NORTH CAROLINA PROFESSIONAL SEAL 27645 ENGINEER MATTHEW R. PADLAK

REVISIONS:

OWNER:
ROMAN CATHOLIC DIOCESE OF RALEIGH CATHEDRAL
715 NAZARETH STREET
RALEIGH, NORTH CAROLINA 27606

CATHOLIC CATHEDRAL

SITE PLAN

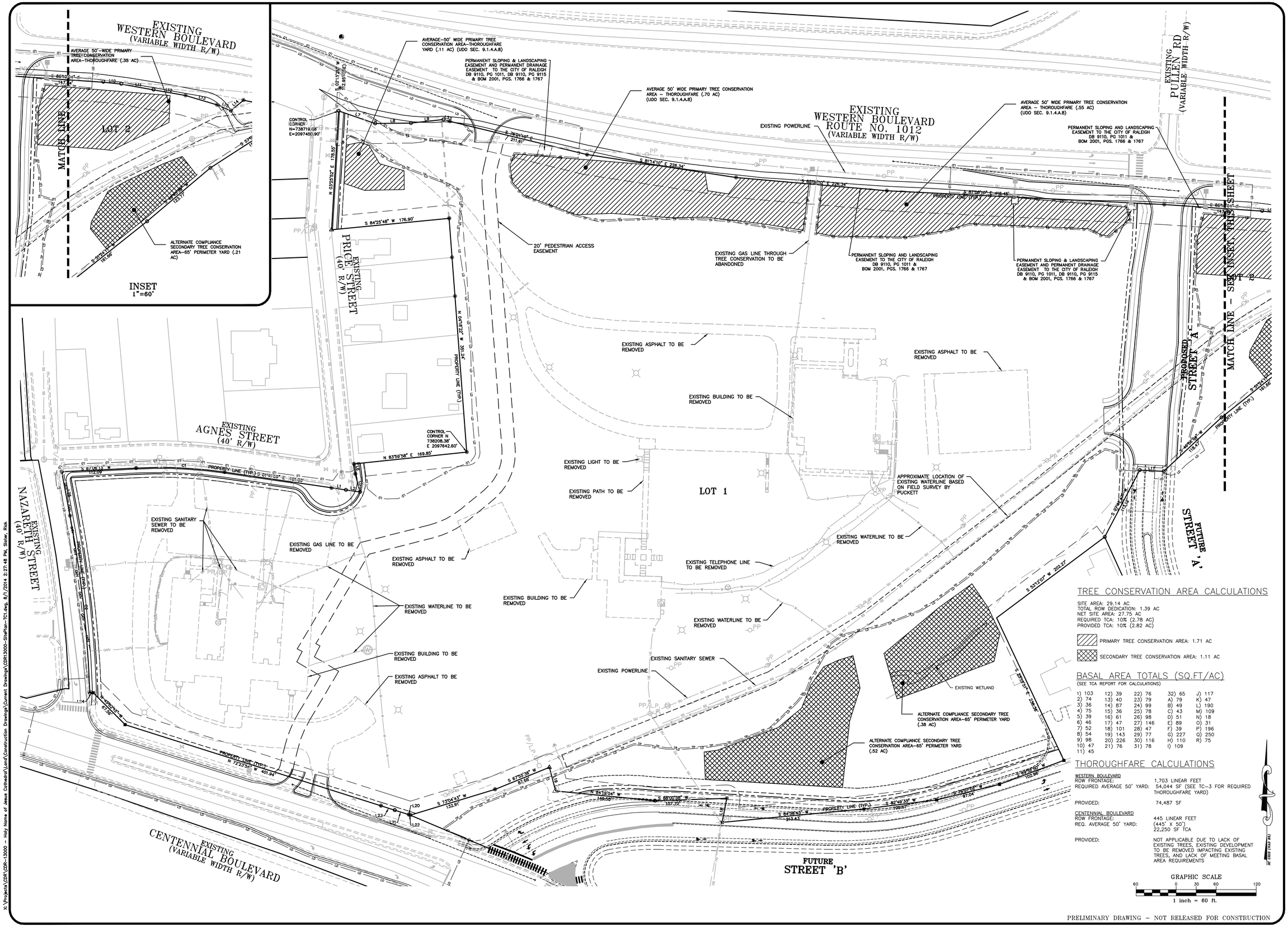
WAKE COUNTY, NORTH CAROLINA

GRADING AND STORM DRAINAGE PLAN

PROJECT NO.	CDR-13000
FILENAME:	CDR13000-SP-G1
DESIGNED BY:	-
DRAWN BY:	-
SCALE:	1"=60'
DATE:	07-31-14
SHEET NO.	C-4

McADAMS

X:\Projects\CDR-13000 - Holy Name of Jesus Cathedral\Land\Construction Drawings\Current Drawings\CDR13000-SitePlan-G1.dwg, 8/4/2014 12:17:30 PM, Williams, Sherrill



TREE CONSERVATION AREA CALCULATIONS

SITE AREA: 29.14 AC
TOTAL ROW DEDICATION: 1.39 AC
NET SITE AREA: 27.75 AC
REQUIRED TCA: 10% (2.78 AC)
PROVIDED TCA: 10% (2.82 AC)

PRIMARY TREE CONSERVATION AREA: 1.71 AC

SECONDARY TREE CONSERVATION AREA: 1.11 AC

BASAL AREA TOTALS (SQ.FT/AC)

(SEE TCA REPORT FOR CALCULATIONS)

1) 103	12) 39	22) 76	32) 65	J) 117	
2) 74	13) 40	23) 79	A) 79	K) 47	
3) 36	14) 87	24) 99	B) 49	L) 190	
4) 75	15) 36	25) 78	C) 43	M) 109	
5) 39	16) 61	26) 98	D) 51	N) 18	
6) 46	17) 47	27) 146	E) 89	O) 31	
7) 52	18) 101	28) 47	F) 39	P) 196	
8) 54	19) 143	29) 77	G) 227	Q) 250	
9) 98	20) 226	30) 116	H) 110	R) 75	
10) 47	21) 76	31) 78	I) 109		
11) 45					

THOROUGHFARE CALCULATIONS

WESTERN BOULEVARD
ROW FRONTAGE: 1,703 LINEAR FEET
REQUIRED AVERAGE 50' YARD: 54,044 SF (SEE TC-3 FOR REQUIRED THOROUGHFARE YARD)

PROVIDED: 74,487 SF

CENTENNIAL BOULEVARD
ROW FRONTAGE: 445 LINEAR FEET
REQ. AVERAGE 50' YARD: (445' X 50')
22,250 SF TCA

PROVIDED: NOT APPLICABLE DUE TO LACK OF EXISTING TREES, EXISTING DEVELOPMENT TO BE REMOVED IMPACTING EXISTING TREES, AND LACK OF MEETING BASAL AREA REQUIREMENTS

GRAPHIC SCALE

60 0 30 60 120

1 inch = 60 ft.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 • McAdamsCo.com

McADAMS

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 036707 BRIAN O. PURDY

REVISIONS:

OWNER:
ROMAN CATHOLIC DIOCESE OF RALEIGH CATHEDRAL
715 NAZARETH STREET
RALEIGH, NORTH CAROLINA 27606

CATHOLIC CATHEDRAL

SITE PLAN

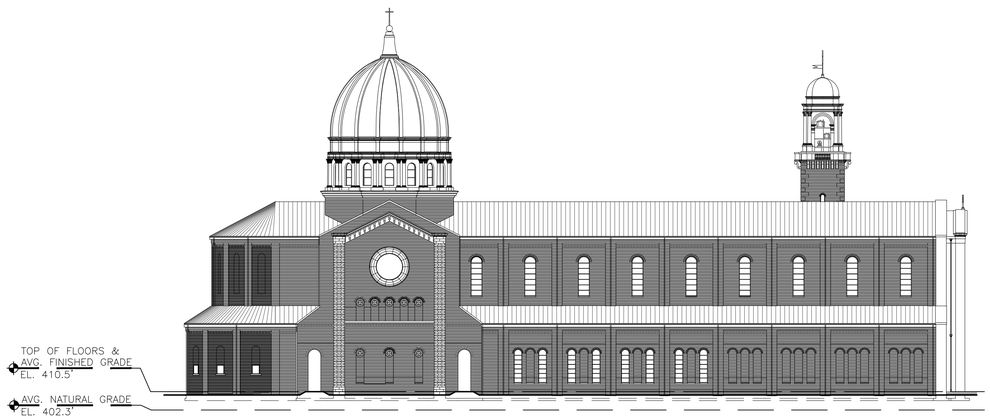
WAKE COUNTY, NORTH CAROLINA

OVERALL TREE CONSERVATION PLAN

PROJECT NO.	CDR-13000
FILENAME:	CDR13000-SP-TC
DESIGNED BY:	SMD
DRAWN BY:	SMD
SCALE:	1"=60'
DATE:	07-31-14
SHEET NO.	TC-1

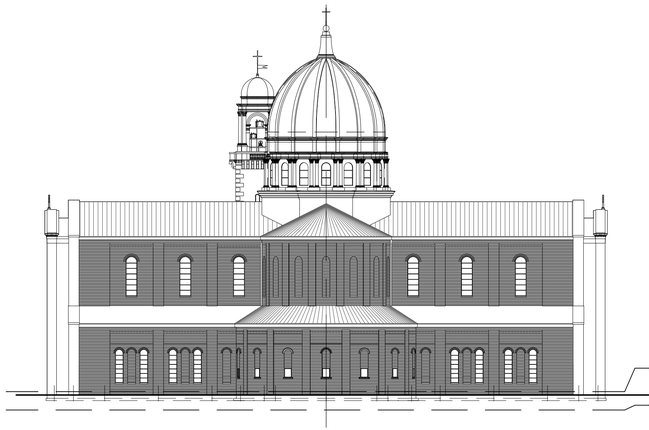
McADAMS

X:\Projects\CDR\CDR-13000 - Holy Name of Jesus Cathedral\Land\Construction Drawings\Current Drawings\CDR13000-SitePlan-TC1.dwg, 8/1/2014 2:27:48 PM, Sister, Rick



2. NORTH ELEVATION

SCALE : 1/32" = 1'-0"

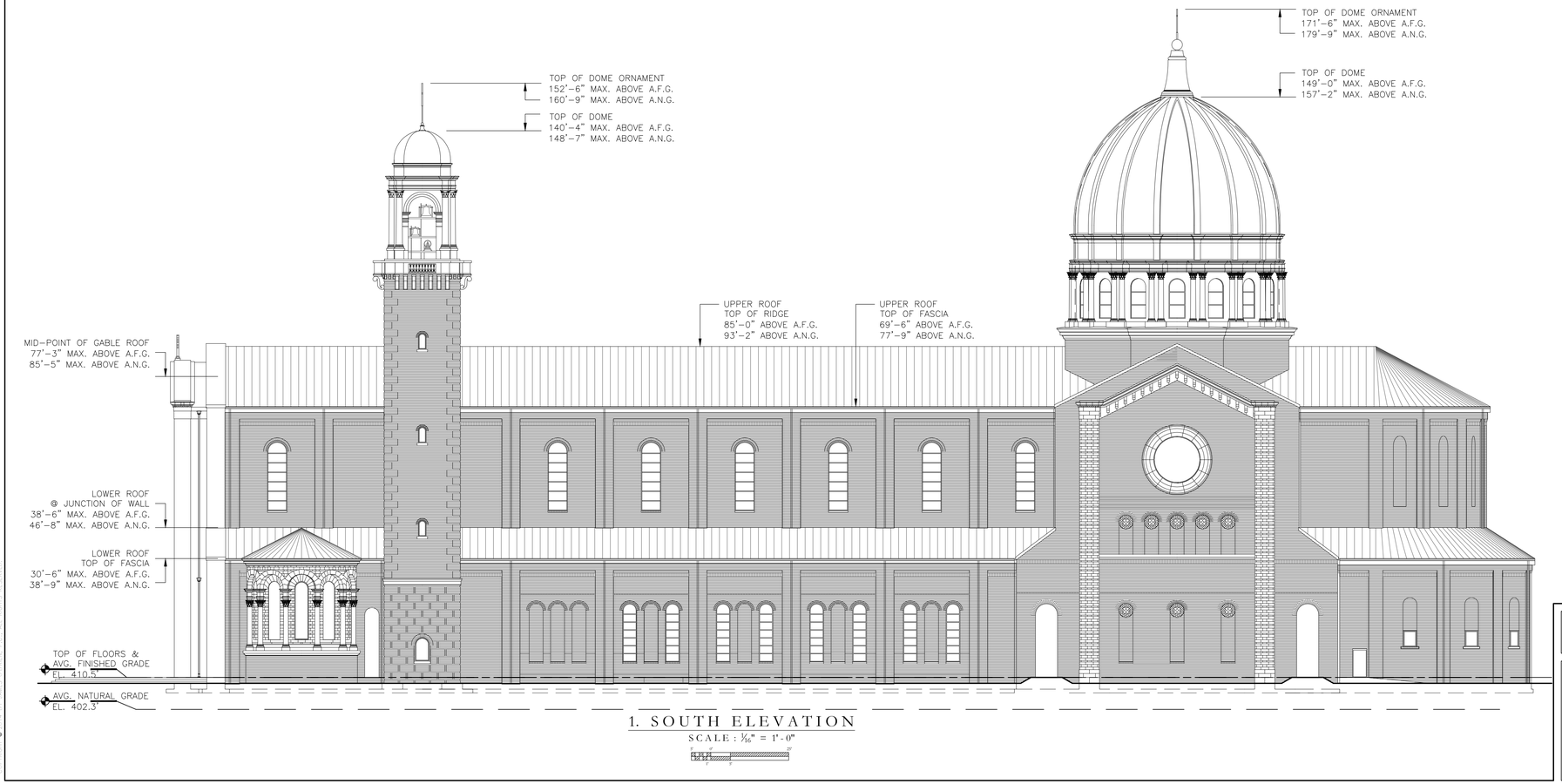


3. EAST ELEVATION

SCALE : 1/32" = 1'-0"

4. WEST ELEVATION

SCALE : 1/32" = 1'-0"

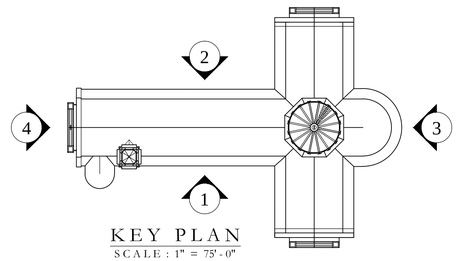


1. SOUTH ELEVATION

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

NOTES:

1. ABBREVIATIONS ARE AS FOLLOWS:
   A.F.G. – AVERAGE FINISH GRADE
   A.N.G. – AVERAGE NATURAL GRADE
   MAX. – MAXIMUM
2. ACTUAL ELEVATIONS AND HEIGHTS SUBJECT TO REFINEMENTS BASED ON THE DEVELOPMENT OF THE DESIGN, BUT SHALL NOT EXCEED THE HEIGHTS SHOWN HERE ON.
3. BUILDING MATERIALS AND DESIGN ARE YET TO BE DETERMINED.
4. AVERAGE FINISH GRADE & AVERAGE NATURAL GRADE INFORMATION ARE AS FURNISHED BY JOHN R. MCADAMS.



KEY PLAN

SCALE : 1" = 75'-0"

NORTH CAROLINA
JAMES HENRY O'BRIEN
11733
ARLINGTON, VA
REGISTERED ARCHITECT

PRELIMINARY – DO NOT USE FOR CONSTRUCTION

HOLY NAME OF JESUS CATHEDRAL

RALEIGH, NORTH CAROLINA ___ SUBMISSION

ARCHITECT:
JAMES O'BRIEN, P.C.
LICENSE #: 52489
3179 WILSON BLVD
ARLINGTON, VA 22201
703.522.8803

STRUCTURAL ENGINEER:
MCE-NC, P.C.
LICENSE #: C-2544
451 HUNGERFORD DRIVE
ROCKVILLE, MD 20850
301.738.5690

MECHANICAL ENGINEER:
BRUMMETT ENGINEERING, P.C.
LICENSE #: C3776
9900 MAIN STREET
FAIRFAX, VA 22031
703.273.5441

CIVIL ENGINEER:
JOHN R. MCADAMS CO., INC.
POST OFFICE BOX 14005
RESEARCH TRIANGLE PARK,
NC 27713
919.361.5000

SHEET TITLE

ELEVATION DIAGRAM

SHEET NUMBER

1 OF 1

COPYRIGHT © 2012 BY JAMES O'BRIEN, P.C. ALL RIGHTS RESERVED