## EXISTING MAG NAIL Jtility Notes: Stormwater Management Notes: - CENTER LINE — - - — R/W LINF Stormwater management will meet City & State requirements. Total limits of disturbance will be under one (1) acre. No erosion control or State Existing water and sanitary sewer services are ---- EASEMENT LINE currently available to the site from Cape Fed Public Utility Authority public mains. ------ SUBJECT TRACT BOUNDARY LINE John & John & Richard James, Jr. & Roy E. Bowman Jones ■ EXISTING DROP INLET All utility services, such as electric power, CATV, Argie Franck Argie Franck Pezzuti etal Rita Barefoot Properties, LLC Horne & EXISTING TELEPHONE PEDESTAL gas & telephone shall be installed undergroun 一 公 D.B. 5413-230 \* EXISTING LIGHT POLE OR PEDESTAL D.B. 4876-885 D.B. 4876-885 D.B. 5153-1100 D.B. 2985-550 D.B. 1831-895 All water & sewer utilities to be installed per CFPUA Technical Specifications & Standards. EXISTING POWER POLE W/ GUY Traffic Notes: Zoning: 0&I-1 Zoning: R-15 Zoning: R-15 Zoning: R-15 Zoning: R-15 Zoning: R-15 EXISTING STORMDRAIN CATCH BASIN Project shall comply with CFPUA Cross 1. All pavement markings in public rights—of—way & for driveway Land Use: Land Use: Land Use: Land Use: Land Use: Land Use: EXISTING FIRE HYDRANT Connection Control requirements. Water meter(s) are to be thermoplastic & meet City and/or NCDOT standards Residential Residential Residential cannot be released until all requirements are Residential Residential met and N.C.D.E.N.R. has issued their "Final Approval.". Call 343-3910 for information. ×39.36 PROPOSED SPOT ELEVATION $\subseteq$ $\square$ 2. Traffic control devices (including signs and pavement markings in areas open to public traffic are to meet MUTCD (Manual on Uniform Traffic Control Devices) standards. ← DRAINAGE FLOW DIRECTION ×,09 \ ---- PROPOSED LIMITS OF DISTURBANCE any backflow prevention devices required by the CFPUA will need to be on the list of approved devices by — — — SETBACK 3. Contact Traffic Engineering at 341-7888 prior to any excavation PROPOSED TREE PROTECTION FENCE Water & sewer services can not be activated on new mains until the Engineer's Certification and as—builts are received 4. Any broken or missing sidewalk panels, driveway panels, and PERVIOUS CONCRETE and "Final Approval" issued by the Public Water Supply Section of NCDENR, and "Final Engineering Certification" issued by Division of Water Quality Section of NCDENR. 5. Contact Karen Dixon at 341-7888 to discuss street lighting options. The landscaping plan will be needed to determining street light locations. Ex. 8" Public Water Main SHEET INDEX f contractor desires CFPUA water for construction, he shall Hillsdale Drive (60' Public R/W) EXISTING CONDITIONS apply in advance for this service and must provide a reduced 6. Tactile warning mats to be installed at all pressure zone (RPZ) backflow prevention device on the developer's side of the water meter box. SITE PLAN 7. Once streets are ready to be open to public traffic, contact EX. 8" INV. 38.42 (REMOVE EX. 8" PVC) DRAINAGE & UTILITY PLAN When PVC water mains and services are proposed, the pipes the Traffic Engineering Division to request installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs. Edge of Pavement are to be marked with No. 10 insulated, single-strand coppe DRAINAGE AREA MAP & DETAIL SHEET wire installed & strapped to the pipes with duct tape. This N 17'34'25" E 50.00'is to be accessible in all valves and meter boxes to aid in LANDSCAPE PLAN future location of facilities 8. A landscaping plan, indicating the location of required street 250.00 Vicinity Map N 17'34'25" trees shall be submitted to the Traffic Engineering Division SANITARY SEWER DETAIL SHEET N 17 34'25" E 50.0 The contractor is responsible for the location and Parks & Recreation Department for review and approval prior to the recording of the Final Plat. Plan shall adhere and protection of existing utilities during construction. Call U-LOCO at 1-800-632-4949. WATER DETAIL SHEET (No Scale) 8 WATER DETAIL SHEET Contractor is responsible for the repair and replacement 9. All traffic control signs and markings off the right of way are to of any utilities, curb & gutter, pavement, etc. that may be be maintained by the property owner in accordance with MUTCD be damaged during construction. Damaged items shall be repaired to at least the quality or workmanship found in 10. All parking stall markings and lane arrows within the parking (Off-Site) The BellSouth contact is Steve Dayvault, Building Industry Consultant, at 910-392-8712. Contact him prior to starting 11. A utility cut permit is required for each open cut of a Cit street. the project in order to facilitate good communication and Contact 341-5888 for more details. In certain cases an entire resurfacing of the area being open cut may be required. The process for telephone cable placement Final grade will need to be established. Remove 8" & \* Power will place their cable first — approximately 3' deep. \* BellSouth & Cable TV will then place their cable 12" Bradford Pear Trees at approximately 2' deep Offices on . Solid waste disposal is by privately contracted dumpster pickup Cardinal, LLC D.B. 5798-2476 Plant Key Zoning: R-15 PLANT LIST Land Use: Vacant BOTANICAL NAME - Existing trees to COMMON NAME REMARKS BE ABANDONED be removed S 17'34'25" W 57.72' LITTLE RICHARD ABFLIA SHRUB Existing trees to ILEX VOMITORIA DWARE I/C Space be protected YAUPON HOLLY SHRUB 'NANA FF = 41.6AGERSTOEMIA INDICA . SHADE CREPE-WCI Worsley 'CAROLINA BEAUTY' MYRTLE II TI-STEN TRFF - CF (Dogwood) Real Estate, LLC QUERCUS VIRGINIANA LIVE OAK 8-10'/ SHADE TREE D.B. 5305-945 Ex. 26" Pine – RHODODENDRON OBTUSUM KURUME - AG (Glossy to be protected SHRUB N 17°34'59" E Zoning: 0&I-1 Abelia) Ex. H/C Ramp Land Use: CORNUS FLORIDA DOGWOOD 10.37 Convenience Store TREE - RO (Kurume N 81'05'04" O.C. - "ON CENTER" CAL. - "CALIPER AT 6" ABOVE GRADE" GAL. - "GALLON CONTAINER" Azalea) Site Modifications 12.88' to be protected to be protected Motorcycle Parking protected by bollards (Site Improvement: "5-20 new park'g. sp. IV (Dwarf Landscape Calculations: (Scale: 1'' = 60') \*\* 1/2 Landscape Upgrade req'd. \*\* Yaupon Holly) Cherry-Laurel & Dbl. 4" Dogwood to be protected Cardinal Dr. Primary Streetyard - LI (Crepe-223 l.f. frontage - 48 l.f. driveways= Myrtle) 61°07'56" E 1575 s.f. 175 l.f. X 18 (0&l-1 District factor) / 2 Existing 176 s.f. New Pvmt. NC Sorosis @ 1 Lg. Shade tree / 600 s.f. / 2 Inc. Private Parking @ 6 shrubs / 600 s.f. / 2 Easement D.B. 839-477 D.B. 5305-945 Hillsdale Dr. Secondary Streetyard Zoning: R-15 Existing [207 l.f. frontage (w/ low buffer) Development Data: $\bar{X}$ 9 (1/2 0&l-1 District factor) / 2] (existing) + Land Use: S 74'48'33" E 23,461 s.f. Office X = (1/2 O&l - 1 District factor) (new) 2093 s.f. 3307 s.f. Expansion Area (additional lots) — 14,944 s.f. (0.34 ac.) 50.55 Office Bldg. Development Notes: Proposed Land Use: Professional Offices / Storage @ 3 Under-story trees / 600 s.f. Update H/C Sign Req'd Setback for New Structures (Min.): Front=20' @ 6 shrubs / 600 s.f. 1. All development shall be in accordance with & Interior Side=24' N 28<sup>.</sup>57<sup>.</sup>50" E the City of Wilmington Land Development Code. Prov'd Setbacks for New Structures: Front=20.5' Parking Area Interior Median vegetation along property line is sufficient to 9.08' & Interior Side=25.86' 2. Project shall comply with all Federal, State & New $34,962 \text{ s.f. } \times 8\% / 2 \text{ (existing)}$ Hanover County regulations. Total Ex. Bldg. Area — 23,461 s.f. GFA + 2,922 s.f. x 20% (new) 2580 s.f. 1st Floor Area — 20,754 s.f. GFA (existing & proposed) 2nd Floor Area - 2,707 s.f. GFA Total New Bldg. Area - 12,165 s.f. GFA Parking Area Perimeter — N/A 1st Floor Storage — 4,284.5 s.f. GFA **Wood Enclosure Gates** Foundation Plantings (Proposed Building) w/ Cross Bracing 2nd Floor Storage - 4,284.5 s.f. GFA [(62 ft x 24 ft) + (46.5 ft x 24 ft)] x 12% 312 s.f. 322 s.f. Garage - 3,596 s.f. GFA (+ existing) Total Bldg. Coverage - 29,664.5 s.f. (30.77%) Bufferyard - 20' width Ex. Bldg. Coverage — 21,784 s.f. 209 l.f. x 1 tree / 30 l.f. TRAFFIC SIGNAL POLE-New Bldg. Coverage - 7,880.5 s.f. (4 existing, 3 proposed oaks, New Bldg. Hgt. - 2-Story / 24' & some mitigation trees) OVERHEAD TRAFFIC SIGNAL LINE-33+ Overall Site -Offices - 23,461 s.f. 2.21 ac.± development area x 15 trees/ac. (existing & proposed) Elevation TRAFFIC SIGNAL POLE-Min. Req'd. @ 1 sp./300 s.f. GFA = 78Max. Allowed @ 1 sp./200 s.f. GFA = 117Dumpster Gate Detail Storage - 8,569 s.f. OVERHEAD TRAFFIC SIGNAL LINE-(10+12+10+30) x 2 x (100/100) / 3 14°28'00" W Min. Req'd. @ 1 sp./1,000 s.f. = 9 Ex. River Birchs on adi. property OVERHEAD TRAFFIC SIGNAL LINE-(Includes area for Recycling) 19.08' Max. Allowed @ 150% Min. Req'd = 13 VERTICAL CURB & GUTTER-**ENGINEERING NOTES:** Landscape Notes: 5 72<sup>3</sup>33<sup>1</sup>3" E Total Min. Spaces Req'd = 87 1. CONTRACTOR SHALL CLEAN OUT ROADSIDE DITCH ALONG HILLSDALE DRIVE. PROVIDE Max. Spaces Allowed = 130 CONSTANT SLOPE FROM DOWNSTREAM END OF PROPOSED DRIVEWAY CULVERT 25.07 1. Key letters refer to Plant List. \*\* 87 spaces prov'd. \*\* (INV=38.27) TO UPSTREAM END OF EXISTING PIPE LOCATED DOWNSTREAM OF SITE 15"RCP Ex. Driveway 4 H/C spaces req'd. & prov'd. S 17'39'47" W TEX. 25 MPH SIGN (INV=37.71). PROVIDE CONSTANT SLOPE FROM UPSTREAM END OF PROPOSED 2. All plants shall meet or exceed the minimum standards 5 Bike spaces req'd. & prov'd. 15"RCP EX. DROP INLET TOP 39.80 12" INV. 37.85 15" IN INV. 37.88 15" OUT INV. 37.78 DRIVEWAY CULVERT (INV=38.39) TO EXISTING DITCH BOTTOM LOCATED 30' UPSTREAM EX. DROP INLET set forth in "The American Standard for Nursery mpervious Surfaces — OF PROPOSED DRIVEWAY CULVERT. Stock" by the Amercian Association of Nurserymen. DOUBLE YELLOW CENTER LINE-Existing -2. SPOT ELEVATIONS SHOWN ON THE PLAN ARE PROPOSED & CONTOURS SHOWN ON THE 21,784 s.f. Rooftop -DOUBLE YELLOW — CENTER LINE PLAN ARE EXISTING. 3. All planting beds shall receive a min. of 4" pine bark mulch. 32,684 s.f. Pavement — 3. PROPOSED CURB SHALL BE VERTICAL CURB (SEE SD 3-11 ON SHEET 2). 4,190 s.f. (60' Public R/W) Walks -4. STORMWATER & GRADING DESIGN BY MALPASS ENGINEERING & SURVEYING, P.C. All areas disturbed and not specified as mulched planting 58,658 s.f. (60.85%) Subtotal — 5. OPENINGS SHALL BE PROVIDED AT GROUND LEVEL IN THE PROPOSED WALL ALONG THE beds will be grassed. Lawn areas may be seeded with grass. DASHED WHITE LANE LINE-Existing to be Removed — Pavement — 1,912 s.f. NORTH SIDE OF THE EXISTING PARKING LOT TO MAINTAIN THE CURRENT DRAINAGE DASHED WHITE LANE LINE— Ex. 8" Public San. Sewer Mai PATTERN STOP BAR-New (On-site) -5. Contractor shall use whatever method of tree staking he 6. CONTRACTOR TO ADJUST LOCATION OF CURB CUT OR PROVIDE ADDITIONAL CURB 7,880.5 s.f. Building deems fit. However, he will be held liable for any damages TRAFFIC SIGNAL POLE-CUT(S), IF NECESSARY, TO ENSURE A CURB CUT IS PROVIDED IN THE PROPOSED SOLID WHITE EDGE LINE -1,284 s.f. Pavement caused to trees by improper staking methods (or absense of SOLID WHITE LANE LINEstaking) and is responsible for uprighting & replanting VERTICAL CURB AT ALL EXISTING LOW POINTS IN THE EXISTING PARKING LOT. Pervious Pavement (75% Reduction) - 337.5 s.f. VERTICAL CURB & GUTTER-OVERHEAD TRAFFIC SIGNAL LINE-7. ONLY PROPOSED SPOT ELEVATIONS SHALL BE USED FOR GRADING OF THE DRIVEWAY trees which are blown over. (SLOPES SHOWN ON SD 8-05 SHALL NOT BE USED). Other — 92 s.f. 8. GATE ACTIVATION SHALL BE AUTOMATED. GATE SHALL BE SIREN ACTIVATED AND A 9,689 s.f. 6. Contractor shall warranty all trees & shrubs for a period Subtotal -TRAFFIC SIGNAL BOX -Zoning: R-15 College Acres of one (1) year from the date of final acceptance of the KNOX BOX SHALL BE PROVIDED ADJACENT TO THE GATE WITH A KEY FOR MANUAL 66,435 s.f.(68.92% Total — Land Use: Baptist Church work of the landscape plan. OVERRIDE OF THE GATE. Religious Institiution New (Off-site) -9. WATER & SEWER SERVICES SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY TRAFFIC SIGNAL POLE-D.B. 5305-945 288 s.f. 12 s.f. Pavement -SPECIFICATIONS & DETAILS. CFPUA APPROVAL TO BE OBTAINED BEFORE INSTALLATION . If discrepancy or lack of availability is found in the plant OF WATER & SEWER SERVICES species and/or minimum sizes req'd., contractor shall notify General Notes: Cardinal Drive Frontage Sidewalk 10. CONTINUATION OF SANITARY SEWER SERVICE LINE & WATER SERVICE LINE BY OTHERS. Landscape Architect. Authorization will be made for subsitutions, Subtotal -1,160 s.f. 11. LIMITS OF DISTURBANCE = 35,668 SF = 0.82 ACRES. as long as the plants follow the original intended form & function 1. New Hanover County Parcel Nos.: 12. CONTRACTOR TO OBTAIN OPEN UTILITY CUT PERMIT FROM CITY OF WILMINGTON PRIOR Total New (On-site & Off-site, excluding Cardinal PID R05014-012-022-000 . All proposed vegetation within sight triangles shall not interfere with clear visual sight lines from 30"—10'. TO PERFORMING OPEN CUT. Dr. Frontage Sidewalk Required by City) - 9,989 s.f. PRELIMINARY PLAT PID R05014-012-018-000 (partial) 13. RUNOFF FROM ANY AREA (PERVIOUS OR IMPERVIOUS) ADJACENT TO THE PERMEABLE FINAL Sewer & Water Capacity -NOT FOR RECORDATION, PAVEMENT SHALL NOT DRAIN TO THE PERMEABLE PAVEMENT. Ex. Sewer Usage - 1950 GPD (78 x 25 GPD/employee) 2. Total Tract Area: 2.21 ac.± REVISED PER TRC COMMENTS. 11-7-14 14. LOCATION OF EXISTING WATER & SEWER LINES SHOWN WITHIN HILLSDALE DRIVE R/W DRAWING Ex. Water Usage - 2438 GPD (@ 125% Sewer Usage) CONVEYANCES, OR SALES REVISED PER TRC COMMENTS. 12-15-14 & CARDINAL DRIVE R/W WERE PROVIDED BY OTHERS & ARE APPROXIMATE. 3. Zoning District: 0&I-1 \*\* No Changes \*\* 15. LOCATION OF EDGE OF PAVEMENT OF HILLSDALE DRIVE WAS PROVIDED BY OTHERS & 3 REVISED PER TRC COMMENTS. 12-18-14 FOR REVIEW (w/ Eastwood SHOD Overlay) Boundary & existing conditions data compiled IS APPROXIMATE. Setbacks - 20' Front 4 REVISED PER CLIENT. 4-29-15 MALPASS ENGINEERING & SURVEYING, P.C. from an actual field survey by: PURPOSES 16. LOCATION OF EDGE OF PAVEMENT, PAVEMENT MARKINGS, LANE CONFIGURATIONS, & 20' Corner 5 REVISED PER TRC COMMENTS. 6-4-15 1134 SHIPYARD BOULEVARD Arnold W. Carson PLS, P.C TRAFFIC SIGNAL DEVICES WERE TRACED FROM NHC GIS 2010 AERIAL & ARE 25' Rear WILMINGTON, NORTH CAROLINA 28412 ONLY APPROXIMATE. 406 North Third Street Additional City requirements: 24' Interior Side Phone 910-392-5243 17. PROPOSED SIDEWALK WITHIN CARDINAL DRIVE R/W SHALL BE ADA COMPLIANT Wilmington, NC 28401 License No. C-2320 Fax 910-392-5203 (SLOPES, WARNING DOMES, ETC.). 4. CAMA Land Classification: Urban 1. All plantings shall be curbed or otherwise physically protected Tel. (910) 772-8113 18. DEVELOPER AND/OR CONTRACTOR SHALL CONTACT CITY OF WILMINGTON TRAFFIC from vehicular traffic. ENGINEERING AT 341-7888 TO RELOCATE SPEED LIMIT SIGN BEFORE INSTALLING 2. All planted and retained living material, required to meet the PROPOSED SIDEWALK ALONG CARDINAL DRIVE. Property Addresses: 10 Cardinal Drive & 49 Hillsdale Drive (Storage Building) 2014-17 Approved Construction Plan provisions (landscaping) of this section, shall be perpetually protected and maintained to professionally accepted standards 1'' = 30'Offices on Cardinal, L.L.C. by joint and several reaponsibility of the owner, occupant, tenant, and/or respective agents of the property on which for Parking Expansion For each open utility cut of 10 Cardinal Drive Public Services • Engineering Division Tribute Properties Office Storage Building the material is located. 09/09/14 City streets, a \$325 permit APPROVED DRAINAGE PLAN Wilmington, NC 28403 shall be required from the ons: 10/07/14 for TRC comments & Storage Building City prior to occupancy Wilmington Township / New Hanover County / North Carolina and/or project acceptance.







