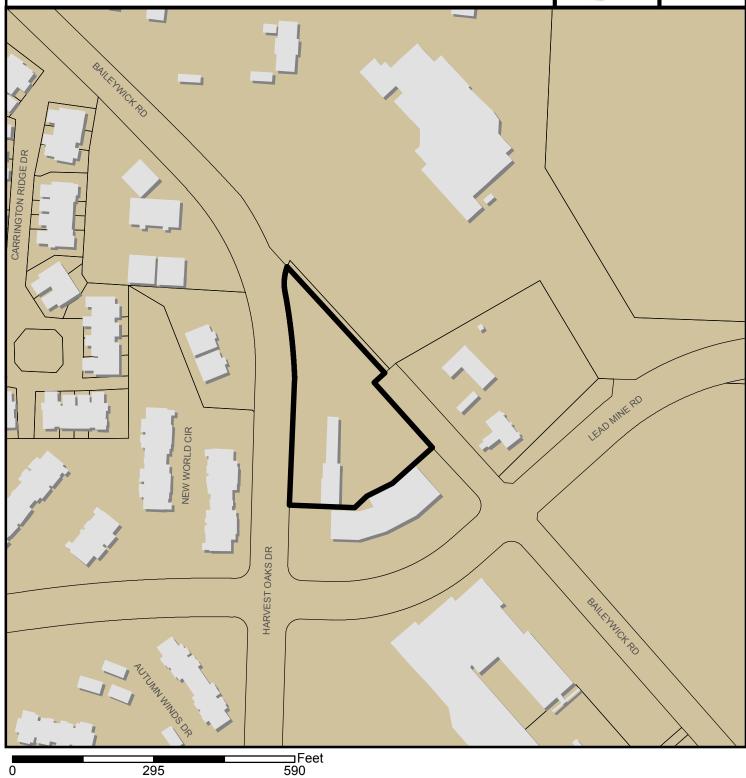
HARVEST PLAZA CENTER STORAGE SR-41-2016







Zoning: CX-3-PL-CU WPOD

CAC: North

Drainage Basin: Mine

Acreage: 2

Units/Lots sq. ft.: 126,396

Planner: Justin Rametta

Phone: (919) 996-2665

Applicant: Pinnacle Partners,

LLC





Administrative Approval Action

SR-41-16 / Harvest Plaza Storage Transaction# 476372, AA#3655 City of Raleigh Development Services One Exchange Plaza Raleigh, NC 27601 (919) 996-2626 DS.help@raleighnc.gov www.raleighnc.gov

REQUEST: Development of a two-acre tract zoned CX-3-PL and R-1 with a portion of the property

in the Falls Watershed Protection Overlay district into a 120,276 square foot, 49' tall self-service storage building (General Building Type), containing 956 storage units. All

improvements will be in the CX-3-PL portion of the site.

LOCATION: 8904 Harvest Oaks Drive. This site is located on the west side of Harvest Oaks Drive

and the south side of Baileywick Road.

DESIGN ADJUSTMENTS/ ALTERNATES,

ETC: Two Design Adjustments approved to allow street trees in the existing 3.5' planting

area along Harvest Oaks Drive, and to not require additional right-of-way dedication

along Baileywick Road.

FINDINGS: City Administration finds that this request, with the below conditions of approval being

met, conforms to the Unified Development Ordinance. This approval is based on a

preliminary plan submitted by Piedmont Land Design.

CONDITIONS OF APPROVAL AND NEXT STEPS:

Note: This document must be applied to the second sheet of all future submittals with the exception of final plats.

Prior to issuance of a land disturbing permit for the site:

- 1. In accordance with Section 9.4.4, pay a surety equal to of the cost of clearing, grubbing and reseeding a site;
- That a final tree conservation plan with permit be approved by the Forestry Specialist. The plan
 must show metes and bounds descriptions of all tree conservation areas, and tree protection
 fence around all tree conservation areas. The existing slope easement will need to be abandoned
 prior to tree conservation permitting;

<u>Prior to the issuance of any site permits or approval of concurrent review process, whichever is applicable;</u>

- 3. A stormwater control plan with a stormwater operations and maintenance manual and budget must be approved by the Stormwater Engineer in compliance with Chapter 9 of the Unified Development Ordinance, including the designation of buffer areas and open space areas for stormwater purposes prior to grading or the approval of construction drawings whichever event comes first;
- 4. A nitrogen offset payment must be made to a qualifying mitigation bank;

Prior to issuance of building permits:

5. Plans for any required site permits must be approved through the concurrent review process;



Administrative Approval Action

SR-41-16 / Harvest Plaza Storage Transaction# 476372, AA#3655

City of Raleigh Development Services One Exchange Plaza Raleigh, NC 27601 (919) 996-2626 DS.help@raleighnc.gov www.raleighnc.gov

- 6. Demolition permit(s) must be issued for the existing structure(s) and the permit number(s) shown on all maps for recording;
- 7. In accordance with Section 8.1.3, a surety equal to 125% of the cost of development related improvements, including streetscape trees, must be paid to the Development Services Department:
- 8. A fee-in-lieu of construction shall be paid for five feet of sidewalk along the property's Baileywick Road frontage:
- 9. A tree impact permit must be obtained;
- 10. That a tree conservation map be recorded with metes and bound showing the designated Tree Conservation Areas and shall be in compliance with Chapter 9 of the Unified Development Ordinance:
- 11. In accordance with Section 9.2.2, a surety equal to 125% of the cost of construction of a stormwater device must be paid to the City:
- 12. The developer must pay the City a stormwater facility replacement fund payment equal to 24% of the estimated cost of constructing all stormwater control facilities:

Prior to issuance of building occupancy permit:

13. In accordance with Section 9.2.2, an as-built plan and certification for any stormwater control device shall be reviewed and accepted by the City.

EXPIRATION DATES: The expiration provisions of UDO Section 10.2.8 E, including the ability to request extensions in the expiration date, apply to this site plan. To avoid allowing this plan approval to expire, the following must take place by the following dates:

3-Year Expiration Date: 9/7/2020

Obtain a valid building permit for the total area of the project, or a phase of the project.

4-Year Completion Date:

Within four years after issuance of the first building permit for the site plan, the construction of the entire site plan must be completed unless an applicant has been granted vested rights. Failure to complete construction within this specified time frame shall automatically void the approved site plan for which no building permits have been issued.

I hereby certify this administrative decision.

Signed:

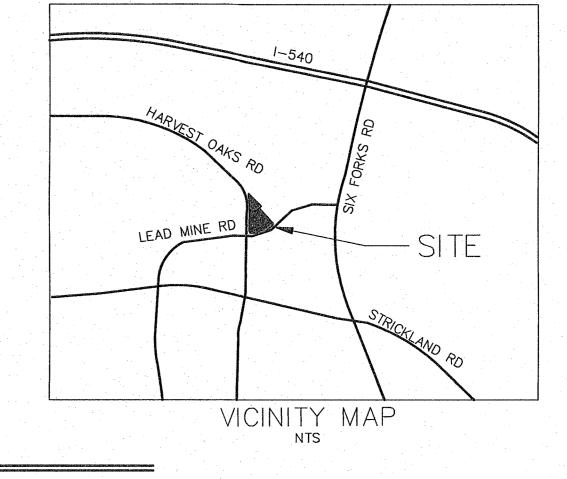
(Planning Dir.) Landows (Math) Date: $\frac{q}{1/12}$

Staff Coordinator: Justin Rametta

ADMINISTRATIVE SITE REVIEW PLAN SUBMITTAL FOR:

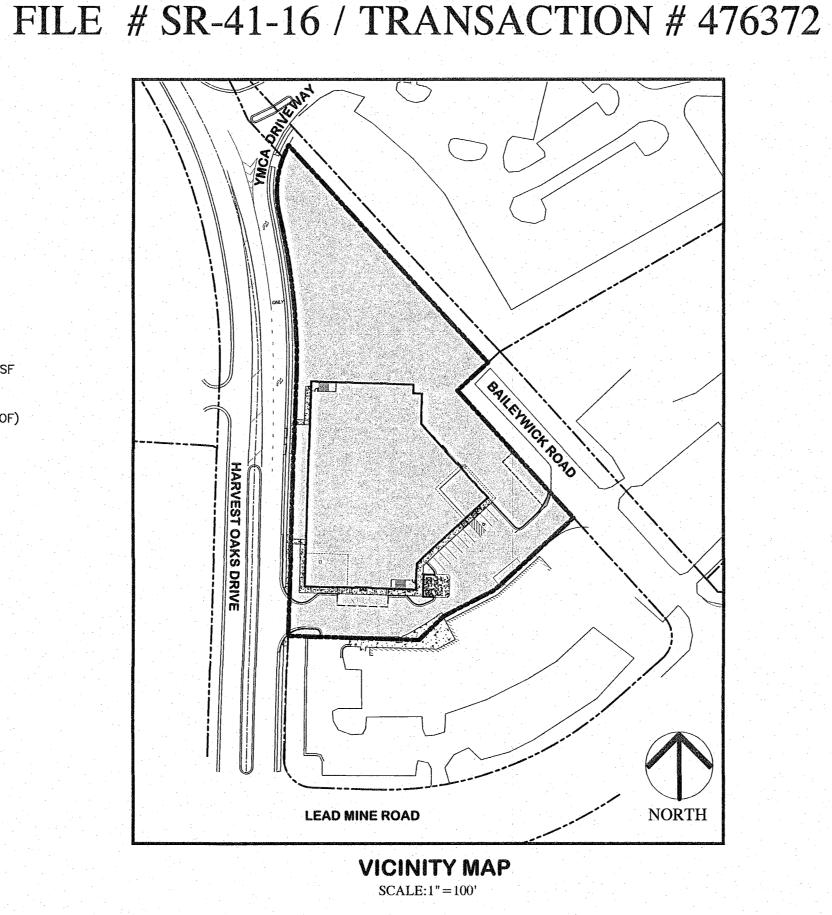
HARVEST PLAZA CENTER STORAGE

8904 HARVEST OAKS DRIVE RALEIGH, NORTH CAROLINA WAKE COUNTY



THIS	PLAN REQUIRES APPROVAL BY PLANNING COMMISSION OR CITY	COUNCIL: YES NO X	
1.	DEVELOPMENT NAME:	HARVEST PLAZA CENTER STORAGE	
2.	STREET ADDRESS:	8904 HARVEST OAKS DRIVE RALEIGH, NORTH CAROLINA	
3.	WAKE COUNTY P.I.N.:	1708-14-4729 DB 8840, PG 2528 PB 2007, PG 1602	
4.	TOTAL NUMBER OF LOTS:	1 1	
5.	LOT AREA:	OLD AREA: 83,088 SF /1.91 AC RECOMBINED AREA 1: 3,986 SF/0.09 AC. NEW TOTAL AREA: 87,074 SF/2.00 AC.	
6.	ZONING:	CX-3-PL AND R-1 W/WPOD	
7.	BUILDING SQUARE FOOTAGE & USE:	30,069 SF PER FLOOR X 4 FLOORS = 1: SELF-SERVICE STORAGE	20,276 S
9.	BUILDING HEIGHT (3 STORIES ABOVE GROUND, 1 STORY BELOW GROUND)	48'-8" (MEASURED FROM GROUND FLOOR	TO ROO
10.	PARKING SUMMARY: BASIS OF DETERMINATION: PARKING SPACES REQUIRED NEW REGULAR SPACES PROVIDED: NEW ACCESSIBLE SPACES PROVIDED: TOTAL PARKING SPACES PROVIDED:	1 SPACE/100 STORAGE UNITS 956 UNITS / 100 = 10 PARKING SPACES 9 SPACES 1 SPACE (VAN) 10 SPACES	3
11,	IMPERVIOUS SURFACE AREA: EXISTING IMPERVIOUS SURFACE AREA: NEW IMPERVIOUS SURFACE AREA: TOTAL:	0.86 AC 0.23 AC.± 1.09 AC.±	
12.	INSIDE CITY LIMITS:	YES	
13.	INSIDE FLOOD HAZARD BOUNDARY:	NO	
14.	FLOOR AREA RATIO: BUILDING LOT COVERAGE:	1.38 0.35	
15.	INSIDE FALLS LAKE OR SWIFT CREEK DRAINAGE AREA:	NO TO THE REPORT OF THE PROPERTY OF THE PROPER	
16.	DEDICATED STREET RIGHT OF WAY:	NO	
17.	OWNER/DEVELOPER:	JAY STREET PINNACLE PARTNERS LTD, LLC 5306 SIX FORKS ROAD, SUITE 101 RALEIGH, NC 27609 jstreetbiz@gmail.com (E-MAIL)	
18.	CONTACT PERSON	DAVID LASLEY PIEDMONT LAND DESIGN, LLP 8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 (919) 845-7600 (PHONE) (919) 845-7703 (FAX)	

david@piedmontlanddesign.com (E-MAIL)



GENERAL NOTES:

- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH AND THE STATE OF NORTH CAROLINA STANDARDS AND
- CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- 3. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO
- 4. BOUNDARY, SURVEY, AND HORIZONTAL/VERTICAL DATUM INFORMATION IS TAKEN FROM SURVEY BY CHANDLER LAND SURVEYING.
- 5. ALL CONSTRUCTION SHALL CONFORM TO A.D.A. STANDARDS
- 6. THIS PROPERTY IS NOT LOCATED IN THE 100 YEAR FLOOD PLAIN AS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP NO. 3720170800J, EFFECTIVE DATE MAY 2, 2006.
- 7. ALL SITE LIGHTING SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH ZONING ORDINANCE.

SHEET INDEX:

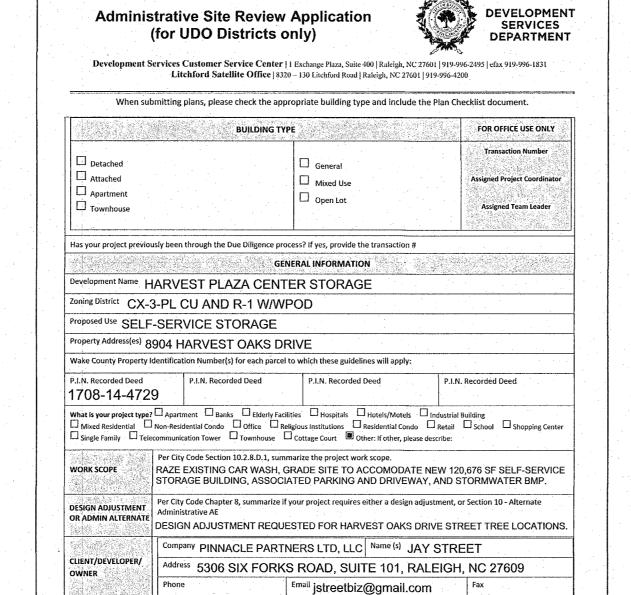
- COVER SHEET EXISTING CONDITIONS PLAN
- STAKING PLAN
- GRADING AND STORM DRAINAGE PLAN UTILITY PLAN
- LANDSCAPE PLAN
- TREE CONSERVATION PLAN
- BUILDING ELEVATIONS SHEET 1 OF 2 BUILDING ELEVATIONS SHEET 2 OF 2

SOLID WASTE COMPLIANCE STATEMENT

TWO NEW DUMPSTERS WITH HEAVY DUTY CONCRETE PAD AND A 8' HIGH ENCLOSURE WITH LOCKABLE GATES WILL BE PROVIDED BEHIND THE BUILDING AS SHOWN ON THE SITE PLAN. THE OWNER WILL USE A PRIVATE HAULER.

BUILDING HEIGHT CALCULATIONS

FIN. FLOOR ELEVATION = 494.00AVERAGE GROUND ELEVATION ALONG FRONT = (496.7 + 492.3)/2 = 494.50BUILDING HEIGHT ABOVE FINISHED FLOOR = 48.67' BUILDING HEIGHT = 494.00 + 48.67 - 494.50 = 48.17



Company PIEDMONT LAND DESIGN, LLP Name (5) DAVID LASLEY

WWW.RALEIGHNC.GOV

PAGE 1 OF 3

Address 8522 SIX FORKS ROAD, SUITE 204, RALEIGH, NC 27615 Phone 919-845-7600 Email david@piedmontlanddesign.com Fax 919-845-7703

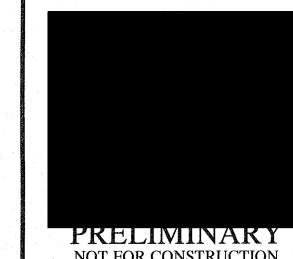
REVISION 03.07.16

Zoning Information	Building Inform	ation			
oning District(s) CX-3-PL CU AND R-1	Proposed building use(s) SELF-S	ERVICE STORAGE			
f more than one district, provide the acreage of each 1.37 AC. (CX-3-PL)/L	AC. (R-1) Existing Building(s) sq. ft. gross ()				
Overlay District WPOD	Proposed Building(s) sq. ft. gross 1	Proposed Building(s) sq. ft. gross 120,676			
Fotal Site Acres 2.00 Inside City Limits Yes No	Total sq. ft. gross (existing & propo	Total sq. ft. gross (existing & proposed) 120,676			
Off street parking Required Provided 10	Proposed height of building(s) 48				
COA (Certificate of Appropriateness) case #	FAR (floor area ratio percentage) 1				
3OA (Board of Adjustment) case # A-	Building Lot Coverage percentage	Building Lot Coverage percentage 0.35 (site plans only)			
CUD (Conditional Use District) case # Z- 116-96	Height of 1st Floor 12'-8"				
Stormwater	formation				
xisting Impervious Surface 0.86acres/square feet	Flood Hazard Area Yes No				
Proposed Impervious Surface 1.09 acres/square feet	If Yes, please provide:	If Yes, please provide:			
Neuse River Buffer Yes No Wetlands Yes No	Alluvial Soils Flood Study FEMA Map Panel #				
FOR RESIDENTIAL	EVELOPMENTS				
1. Total # Of Apartment, Condominium or Residential Units 5. Bedroom Units 1br 2br 3br 4br or more					
. Total # Of Congregate Care Or Life Care Dwelling Units	i. Infill Development 2.2.7				
. Total Number of Hotel Units	Units 7. Open Space (only) or Amenity				
Overall Total # Of Dwelling Units (1-6 Above) 8. Is your project a cluster unit development? Yes No					
	s. Is your project a cluster unit development?	l Yes L-l No			
SIGNATURE BLOCK (Applie	and a second control of the second control o	J Yes □ No			
APPEAR CONTRACTOR CONT	ole to all developments) bind ourselves, my/our heirs, executors, admi	nistrators, successors			
SIGNATURE BLOCK (Applies a filing this plan as the property owner(s), I/we do hereby agree and firm and assigns jointly and severally to construct all improvements and make	bind ourselves, my/our heirs, executors, admit dedications as shown on this proposed developed to serve as my agent regar	nistrators, successors opment plan as ding this application, to			
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8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 919.845.7600 PHONE 919.845.7703 FAX

FIRM LICENSE # F-0843



NOT FOR CONSTRUCTION

REVISIONS:

ISSUED: 14 JUN 2016

/1\ 17 OCT 2016 PER CITY COMMENTS 2 31 JAN 2017 PER CITY COMMENTS 3 09 JUN 2017 PER CITY COMMENTS

DRAWN BY: MLS CHECKED BY: JDL PROJECT: PPHPCS

COVER

DWG. NO. PA.1

EXISTING QUALIFYING TREE CONSERVATION AREAS

0.05 AC.±

0.16 AC.±

SECONDARY TCA FOR INDIVIDUAL TREES 10" DBH AND GREATER WITHIN 65' OF A NON-THOROUGHFARE

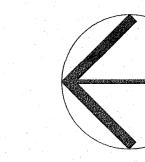
SECONDARY TCA FOR MINIMUM 65' WIDE PERIMETER BUFFER ALONG BAILEYWICK ROAD R.O.W. SECONDARY TCA FOR MINIMUM 65' WIDE PERIMETER BUFFER ALONG HARVEST OAKS ROAD R.O.W.

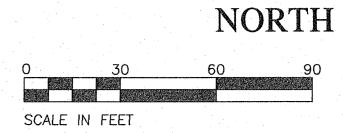
TOTAL AREA THAT WOULD QUALIFY AS SECONDARY TREE 0.28 AC.± CONSERVATION AREA (REFER TO TCP.1 FOR PROPOSED TREE CONSERVATION AREA PLAN)

EXIST. CONDITIONS/DEMOLITION NOTES

- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- 3. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- 4. CONTRACTOR IS RESPONSIBLE FOR REMOVING OR RELOCATING ALL UTILITIES IN CONFLICT WITH NEW CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH UTILITY
- 5. ABANDON EXISTING WATER TAP (AT MAIN) AS PER CITY OF RALEIGH STANDARDS (CORPUD HB PG. 67: WATER SERVICE ABANDONMENT)

			CURVE TABLE CURVE LENGTH RADIUS BEARING CHORD C1 164.09' 615.00' N6'16'26"W 163.60' C2 60.11' 101.64' N3'17'18"E 59.24'
		SECONDARY TCA FOR INDIVIDUAL TREES 10" DBH AND GREATER WITHIN 65' OF BAILEYWICK ROAD (0.02 AC.±) HATCHED AREA INDICATES CROSS ACCESS EASEMENT AREA DB 016150 PG 02029-02035 EXIST. SANITARY SEWER MANHOLE	
SECONDARY TCA FOR INDIVIDUAL TREES 10" DBH AND GREATER WITHIN 65' OF BAILEYWICK ROAD (0.03 AC.±) SECONDARY TCA FOR MINIMUM 65' WIDE PERIMETER BUFFER ALONG BAILEYWICK ROAD R.O.W. (0.04 AC.±) PIN# 1718154623 ZONED: R-10-CU USE: YMCA SECONDARY TCA FOR MINIMUM 65' WIDE PERIMETER BUFFER ALONG BAILEYWICK ROAD R.O.W. (0.04 AC.±) RECOMBINED AREA TO HARVEST PLAZA — TRACT 1 (3,986 SF)	S47'32'06"W 13.10'	PAD SCP Y DB BM PIN ZONE ZONE EXIST. CONCRETE BLOCK WALL (TO BE REMOVED) EXIST. SHRUBS TO BE	N/F ORK HARVEST LLC 16153 PG 1105 1997 PG 586 # 1708144555 ED: CX-5-PL-CU USE: RETAIL
CITY OF RALEIGH VARIABLE WIDTH UTILITY EASEMENT BM 2007 PG 1602	DE SOUNDS TO SOU	DASHED LINE IS LIMITS OF PAVEMENT REMOVAL 20" OAK – NOT USED AS TCA DUE TO TRUNK CAVITY FROM GROUND TO 15'±) ASPHALT PAVEMENT TO BE REMOVED DASHED LINE IS LIMITS OF PAVEMENT REMOVAL 20" OAK – NOT USED AS TCA DUE TO TRUNK CAVITY FROM GROUND TO 15'±) EXIST. 15" HDPE (TO BE REMOVED)	EXIST. DI TOP=491.94 INV IN=488.74 INV OUT=488.14
	ZONED: R-1 ZONED: CX-3-PL EXIST. TREES TO BE REMOVED (TYP.) TREELINE (APPROX.)	EXIST. CAR WASH BAYS REMOVE EXIST. 16" EXIST. 15" RCP OAK (34% OF CRZ IN (TO BE REMOVED) EASEMENT AND EXIST. DRIVEWAY) PH—TBM "BOLT OVER 6"FLANGE" ELEV=494.21' EXIST. OIL CHANGE BUILDING TO BE REMOVED EXIST. LIGHT POLE (TO BE REMOVED) EXIST. LIGHT POLE (TO BE REMOVED) EXIST. LIGHT POLE (TO BE REMOVED) MHO	30' PRIVATE EASEMENT DRAINAGE & SAN. SEWER BM1997 PG 586 EXIST. GREASE INTERCEPTOR AND SERVICE TO BE REMOVED EXIST. 8" SAN SEWER
Pine Pine Pine Pine Pine Pine Pine Pine	BM 1999 PG 1731	EXIST. 12" RCP (TO BE REMOVED)	EXIST. CURB COVORDO O O O O O O O O O O O O O O O O O O
R/W OW	EXIST. CURB/SIDEWALK/PAVEMENT TO BE REMOVED EXIST. CB TOP=488.27' INV OUT=483.97' (DED MIA DIAN)	HARVEST OAKS DRIVE EXIST. VARIABLE WIDTH R/W SENSITIVE AREA AVENUE EXISTING WATER METER (TO BE REMOVED — SEE NOTE #5)	25
	(PER KHA PLAN) SECONDARY TCA FOR MINIMUM 65' WIDE PERIMETER BUFFER ALONG HARVEST OAKS ROAD R.O.W. (0.16 AC.±)		

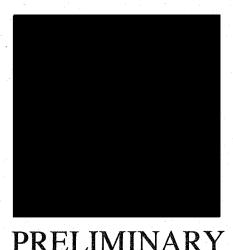




REFER TO SHEET PA.1 FOR GENERAL NOTES

PIEDMONT LAND DESIGN, LLP

8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 919.845.7600 PHONE 919.845.7703 FAX FIRM LICENSE # F-0843



NOT FOR CONSTRUCTION

ISSUED: 14 JUN 2016

REVISIONS:

17 OCT 2016 PER CITY COMMENTS

<u> 3</u> 09 JUN 2017 PER CITY COMMENTS

PER CITY COMMENTS

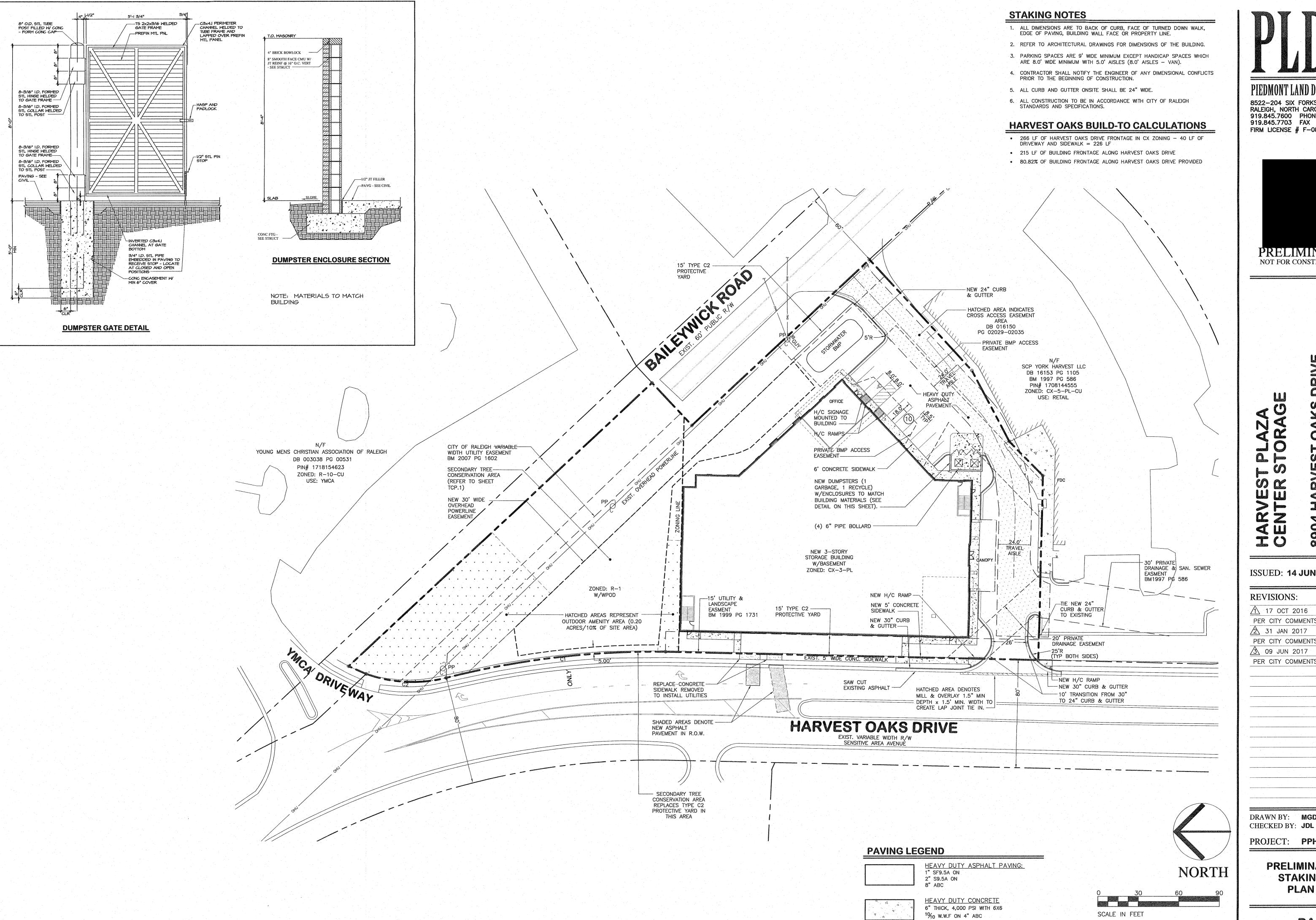
DRAWN BY: MGD

CHECKED BY: JDL

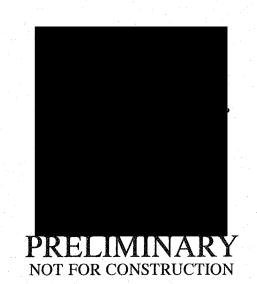
PROJECT: PPHPCS

EXISTING CONDITIONS

DWG. NO. PA.2



8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 919.845.7600 PHONE 919.845.7703 FAX FIRM LICENSE # F-0843



8904 HAR

ISSUED: 14 JUN 2016

REVISIONS:

17 OCT 2016 PER CITY COMMENTS

PER CITY COMMENTS <u>∕3</u> 09 JUN 2017 PER CITY COMMENTS

DRAWN BY: MGD

PROJECT: PPHPCS

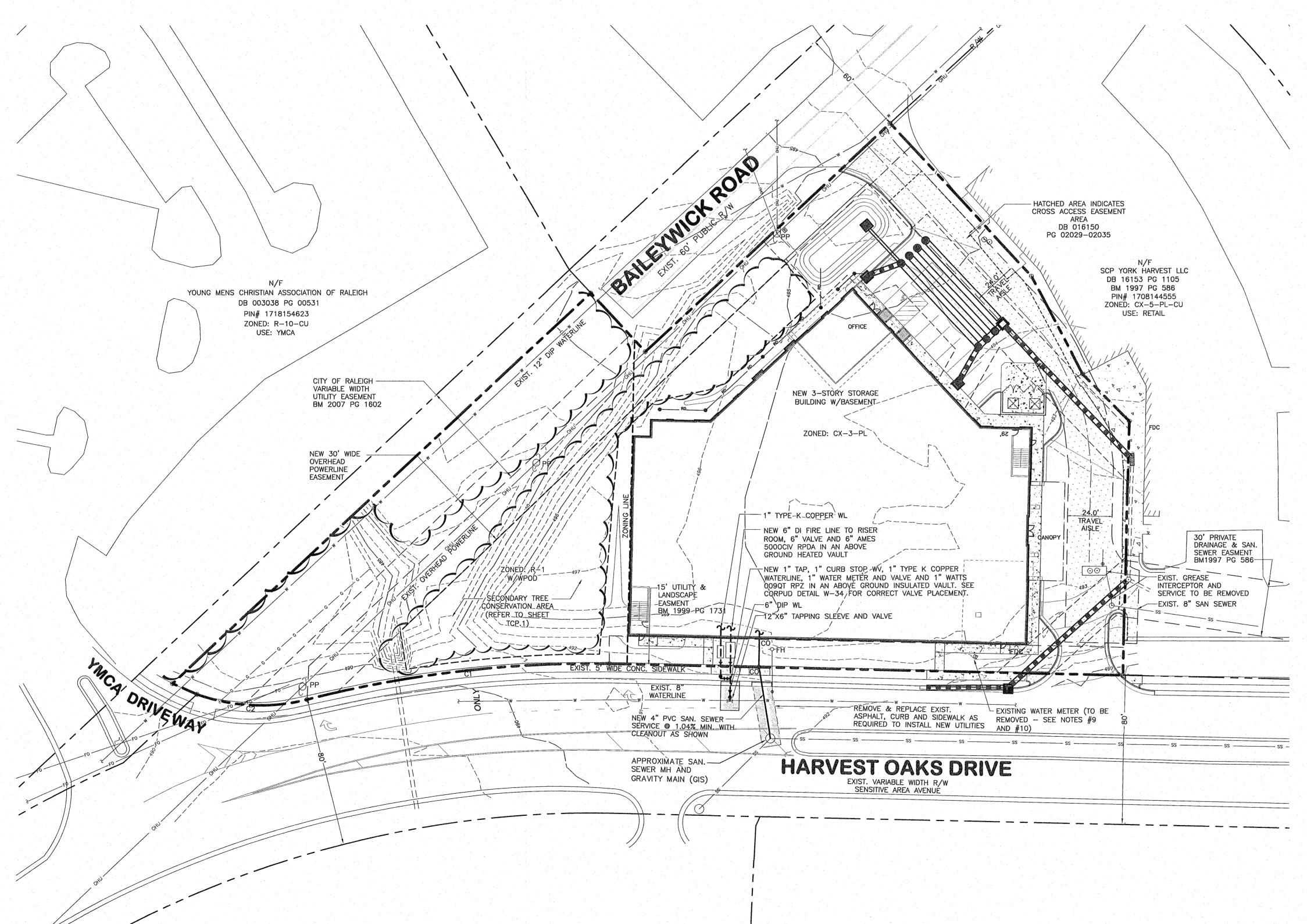
PRELIMINARY STAKING PLAN

DWG. NO. PA.3

REFER TO SHEET PA.1 FOR GENERAL NOTES

UTILITY NOTES

- 1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- 2. CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (1-800-632-4949) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- 3. CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- 4. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE ELECTRIC, GAS, AND TELEPHONE SERVICE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONDUITS AS REQUIRED FOR THESE UTILITIES UNDER PAVED AREAS.
- 5. THIS PLAN IS DIAGRAMMATIC AND REPRESENTS THE APPROXIMATE LOCATION OF UTILITIES UNLESS SPECIFICALLY DIMENSIONED. THE CONTRACTOR SHALL COORDINATE THE ACTUAL AND PROPOSED LOCATION OF UTILITIES TO AVOID CONFLICTS
- 6. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE WATER AND SEWER SERVICE TO THE BUILDINGS WITH THE BUILDING PLUMBING CONTRACTOR AND THE BUILDING PLANS.
- 7. CONTRACTOR SHALL PROVIDE CONDUITS FOR IRRIGATION LINES UNDER PAVED AREAS.
- 8. THE CONTRACTOR SHALL LOCATE AND ABANDON THE EXISTING WATER AND SANITARY SEWER SERVICES PER CORPUD HANDBOOK.
- 9. ABANDON EXISTING WATER TAP (AT MAIN) AS PER CITY OF RALEIGH STANDARDS (CORPUD HB PG. 67: WATER SERVICE ABANDONMENT)
- 10. EXISTING 2" WATER METER TO BE REMOVED BY THE RALEIGH METERS DIVISION PRIOR TO SERVICE ABANDONMENT (919-996-2742)



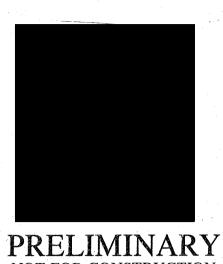
STANDARD UTILITY NOTES

2. UTILITY SEPARATION REQUIREMENTS:

- STANDARD UTILITY NOTES (AS APPLICABLE): 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)
 - A) A DISTANCE OF 100'SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS, HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25'FROM A PRIVATE WELL OR 50'FROM A PUBLIC WELL.
 - B) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10', IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER
 - C) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10'ON EACH SIDE OF CROSSING
 - MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS D) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER
 - FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER E) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49)
 - F) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED
 - 3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES &
 - BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT
 - 5. 3.0'MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0'MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT
 - BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE
 - INSTALL 1"COPPER WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE
 - 8. INSTALL 4"PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0'
 - ABOVE THE NEXT UPSTREAM MANHOLE 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR
 - 11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION
- 12. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT TIM BEASLEY AT (919) 996-2334 OR TIMOTHY.BEASLEY@RALEIGHNC.GOV FOR MORE
- 13. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX-B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION



8522-204 SIX FORKS ROAD RALEIGH, NORTH CAROLINA 27615 919.845.7600 PHONE 919.845.7703 FAX FIRM LICENSE # F-0843



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ISSUED: 14 JUN 2016

REVISIONS:

17 OCT 2016 PER CITY COMMENTS 2 31 JAN 2017 PER CITY COMMENTS 3 09 JUN 2017

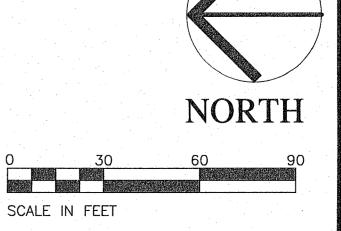
PER CITY COMMENTS

DRAWN BY: MLS CHECKED BY: JDL

PROJECT: PPHPCS

PRELIMINARY UTILITY PLAN

DWG. NO. PA.5



REFER TO SHEET PA.1 FOR GENERAL NOTES

LANDSCAPE REQUIREMENTS

STREET PROTECTIVE YARDS

BAILEYWICK ROAD:

180 LF OF ROAD FRONTAGE - 35 LF OF DRIVEWAY - 87 LF OF PROPOSED TCA = 58 LF 1 UNDERSTORY TREE @ 20' O.C. UNDER OVERHEAD POWERLINE AND TYPE C2 STREET PROTECTIVE YARD REQUIRED 58 LF/100' X 4 = 3 NEW UNDERSTORY TREES REQUIRED/PROVIDED UNDER OVERHEAD POWERLINES IN C2 YARD 58 LF/100' X 15 = 9 NEW SHRUBS REQUIRED/PROVIDED 3 NEW UNDERSTORY TREES @ 20' O.C. PROVIDED IN BAILEYWICK ROAD R.O.W. UNDER OVERHEAD POWERLINE

X NEW STREET TREES @ 40' O.C. PROVIDED IN HARVEST OAKS DRIVE R.O.W. PER COORDINATION WITH URBAN FORESTRY

HARVEST OAKS DRIVE:

515 LF OF ROAD FRONTAGE - 69 LF OF DRIVEWAY AND STORM DRAINAGE EASEMENT - 91 LF OF UTILITY EASEMENT - 100 LF OF TCA = 255 LF 1 STREET TREE @ 40' O.C. AND TYPE C2 STREET PROTECTIVE YARD REQUIRED 255 LF/100' X 4 = 8 NEW STREET TREES REQUIRED/PROVIDED

255 LF/100' X 15 = 38 NEW SHRUBS REQUIRED/PROVIDED

TRANSITIONAL PROTECTIVE YARDS

• NORTHERN PROPERTY LINE:

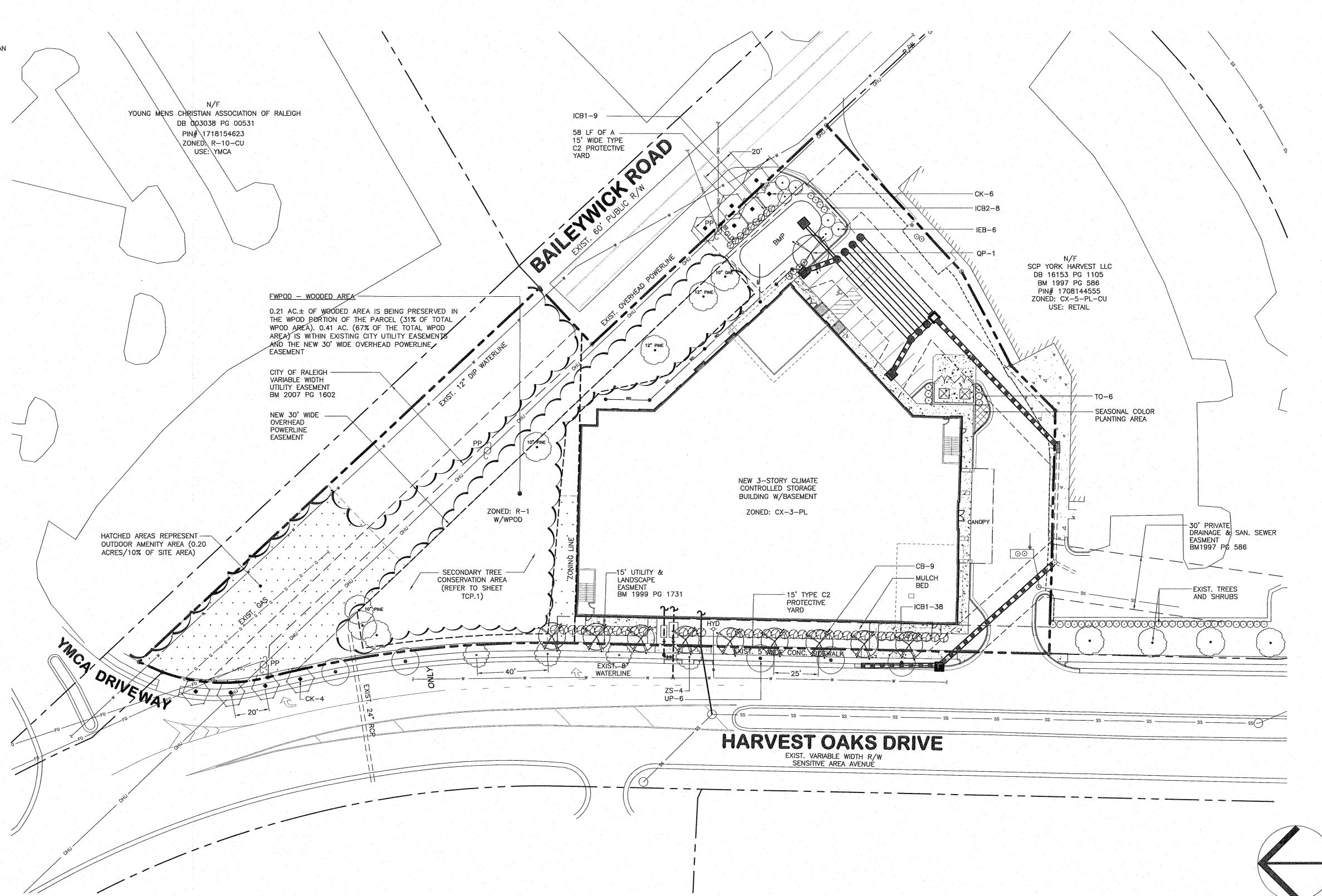
NO LANDSCAPING OR SCREENING ALLOWED WITHIN A UTILITY EASEMENT

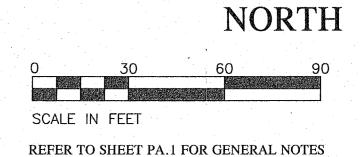
VEHICULE PARKING LOT LANDSCAPING:

1 SHADE TREE REQUIRED/PROVIDED FOR SURFACE PARKING AREA WITH LESS THAN 10 SPACES.

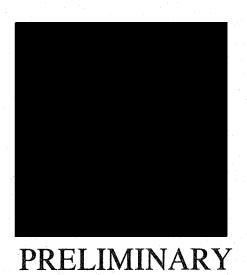
PLANT LIST 8 REMARKS BOTANICAL NAME COMMON NAME **TREES** B&B STREETYARD
B&B STREETYARD
B&B VSA
B&B STREETYARD
B&B STREETYARD Carpinus betulus 'Fastigiata' European Hornbeam Cornus kousa Chinese Dogwood Quercus phellos Willow Oak Ulmus parvifolia 'Emer II' Lacebark Elm Zelkova serrata 'Green Vase' Japanese Zelkovo SHRUBS N/A TYPE C2 STREETYARD
3 GAL SCREEN
7 GAL SCREEN
7 GAL SCREEN ICB1 | Ilex cornuta 'Burfordii Nana' | ICB2 | Ilex cornuta 'Burfordii Nana' Chinese Holly Chinese Holly IEB Ilex x 'Emily Bruner'
TO Thuja occidentalis 'Emerald' Emily Bruner Holly Arborvitae

SYMBOLS: B&B = BALLED & BURLAPPED; B.R. = BARE ROOT; CONT. = CONTAINER; O.C. = ON-CENTER; GAL = GALLON





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3 09 JUN 2017

△ 31 JAN 2017 PER CITY COMMENTS

PER CITY COMMENTS

DRAWN BY: MGD

PROJECT: PPHPCS

CHECKED BY: JDL

PRELIMINARY LANDSCAPE PLAN

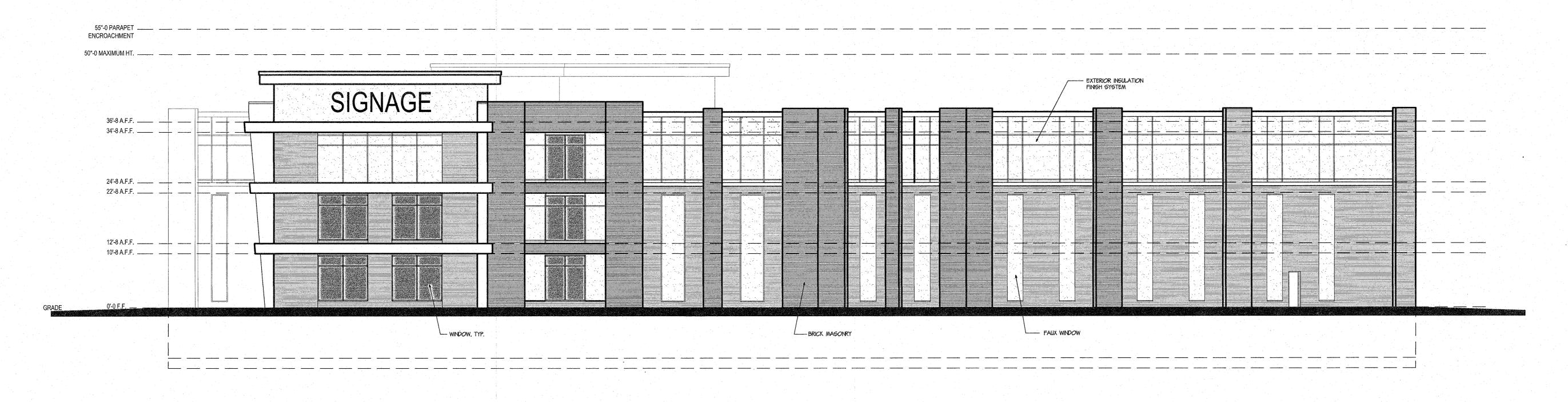
DWG. NO. PA.6

SEDC/ SELF—STORAGE CENTER HARVEST OAKS DR. Raleigh, North Carolina

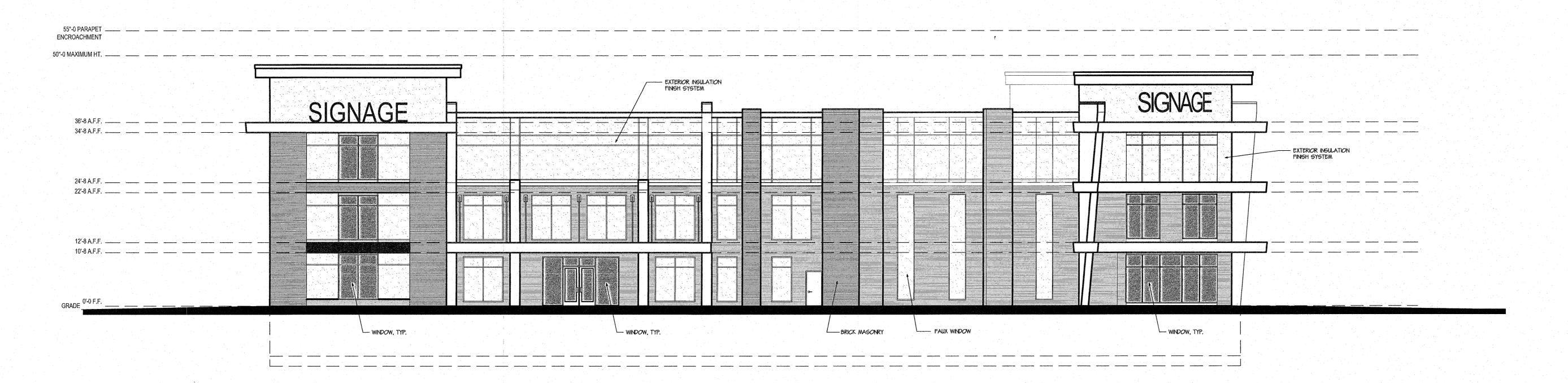
EXTERIOR ELEVATIONS

FOR SITE REVIEW ONLY

Project No. 16014 Revision



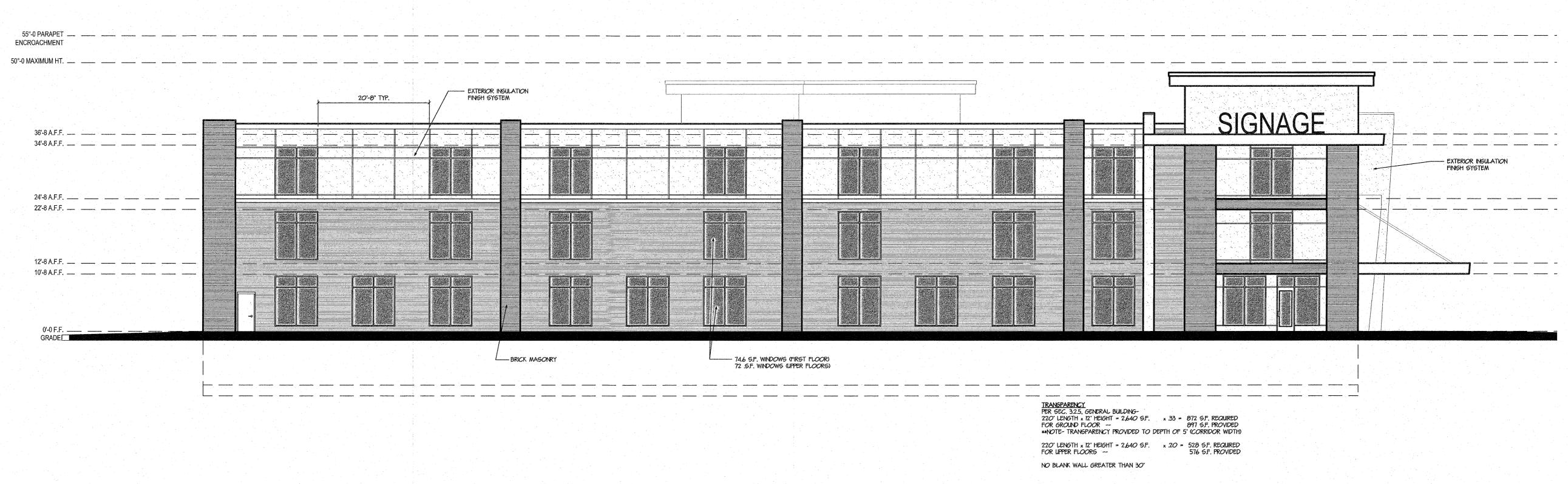
2 BAILEYWICK RD. ELEVATION
SCALE: 3/32" = 1'-0"



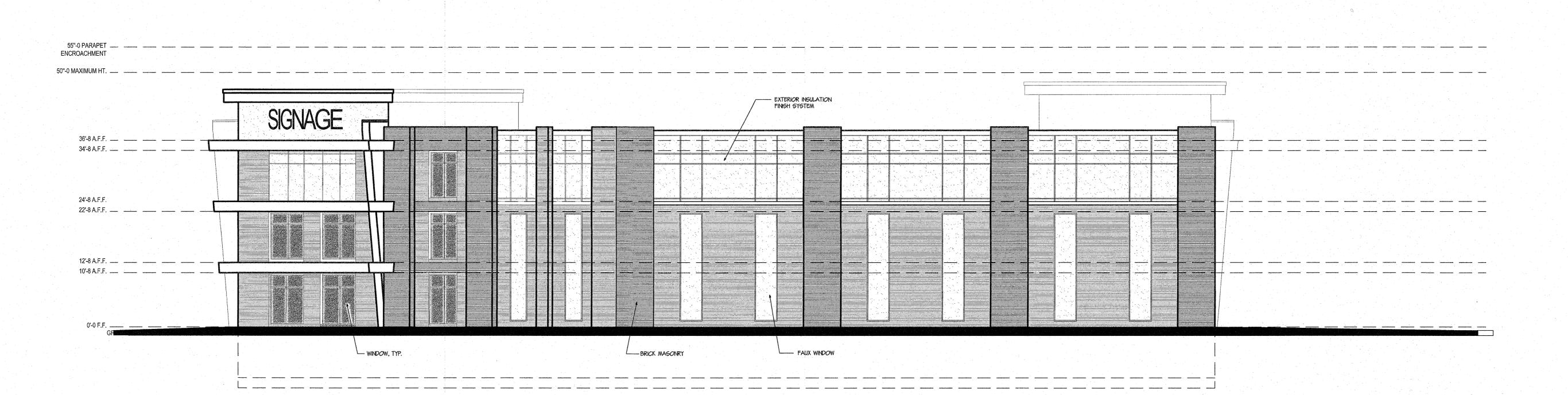
NORTH ELEVATION

SCALE: 3/32" = 1'-0"

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2 HARVEST OAKS RD. ELEVATION
SCALE: 3/32" = 1'-0"



SCALE: 3/32" = 1'-0"

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Southeastern Design and Construction, Inc. 110 Missy Bryd Dr Hope Mills, NC 28348 910-309-702

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	Revision For Site Plan Review Issued					

SEDC/
SELF—STORAGE
CENTER
HARVEST OAKS DR.
Raleigh, North Carolina

Sheet Title
EXTERIOR ELEVATIONS

Project No. 16014 Revision