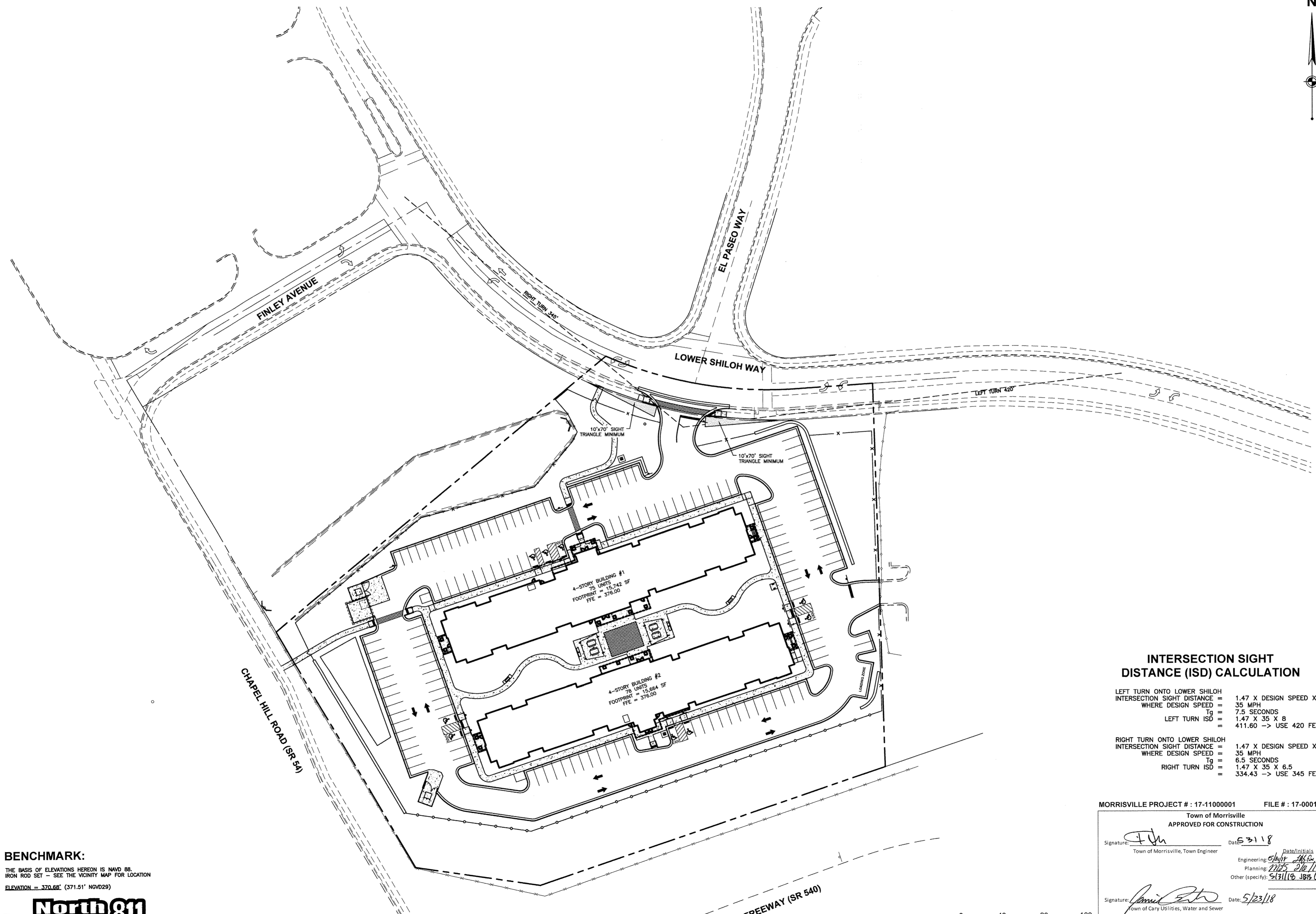


Layout Tab Name: C203 SIGHT DISTANCE PLAN Xrefs: 075356-P.dwg; 075356-TBLK.dwg; 075356-X-DIGITIZED.dwg; Buildings.dwg
 Last Saved By: ladzinski, 12/12/2017 8:37:30 AM
 G:\DE\Clients\WaterWalk\075356 Morrisville, NC\4.0 Disciplines\Civil\Cadd\Cad\075356-C203-SIGHT.dwg Plotted By: ladzinski, Jake Plotted: January 17, 2018, 2:48:50 PM

BENCHMARK:
 THE BASIS OF ELEVATIONS HEREON IS NAVD 88.
 IRON ROD SET - SEE THE VICINITY MAP FOR LOCATION
 ELEVATION = 370.88' (371.51' NGVD29)



INTERSECTION SIGHT DISTANCE (ISD) CALCULATION

LEFT TURN ONTO LOWER SHILOH	
INTERSECTION SIGHT DISTANCE =	1.47 X DESIGN SPEED X Tg
WHERE DESIGN SPEED =	35 MPH
Tg =	7.5 SECONDS
LEFT TURN ISD =	1.47 X 35 X 8
	411.60 → USE 420 FEET
RIGHT TURN ONTO LOWER SHILOH	
INTERSECTION SIGHT DISTANCE =	1.47 X DESIGN SPEED X Tg
WHERE DESIGN SPEED =	35 MPH
Tg =	6.5 SECONDS
RIGHT TURN ISD =	1.47 X 35 X 6.5
	334.43 → USE 345 FEET

MORRISVILLE PROJECT #: 17-11000001 FILE #: 17-0001-S/C

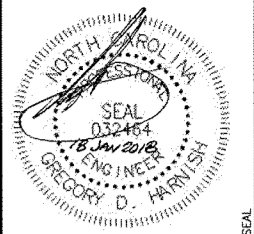
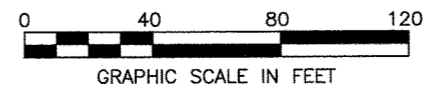
Town of Morrisville
 APPROVED FOR CONSTRUCTION

Signature: *[Signature]* Date: 5/31/18
 Town of Morrisville, Town Engineer

Engineering: *[Signature]* Date/Initials: 5/16/18
 Planning: *[Signature]* Date/Initials: 5/16/18
 Other (specify): *[Signature]* Date/Initials: 5/16/18

Signature: *[Signature]* Date: 5/23/18
 Town of Cary Utilities, Water and Sewer

Engineering Inspection Services must be contacted (919) 463-6907 at a minimum 24 hours prior to the commencement of any construction activities.



PROJECT No.	DATE	REVISION
075356	01/24/17	
DES. JL		
DR. DH		
CKD. JG		
	01/18/18	REVISED FOR FINAL APPROVAL

11301 Carmel Commons Blvd.
 Suite 300
 Charlotte, NC 28226
 704.525.6284
 FAX: 704.525.8529



SITE IMPROVEMENT PLANS
WATERWALK MORRISVILLE
 1012 & 1016 LOWER SHILOH WAY
 MORRISVILLE, NORTH CAROLINA

SIGHT DISTANCE PLAN

SHEET NO.
C203