

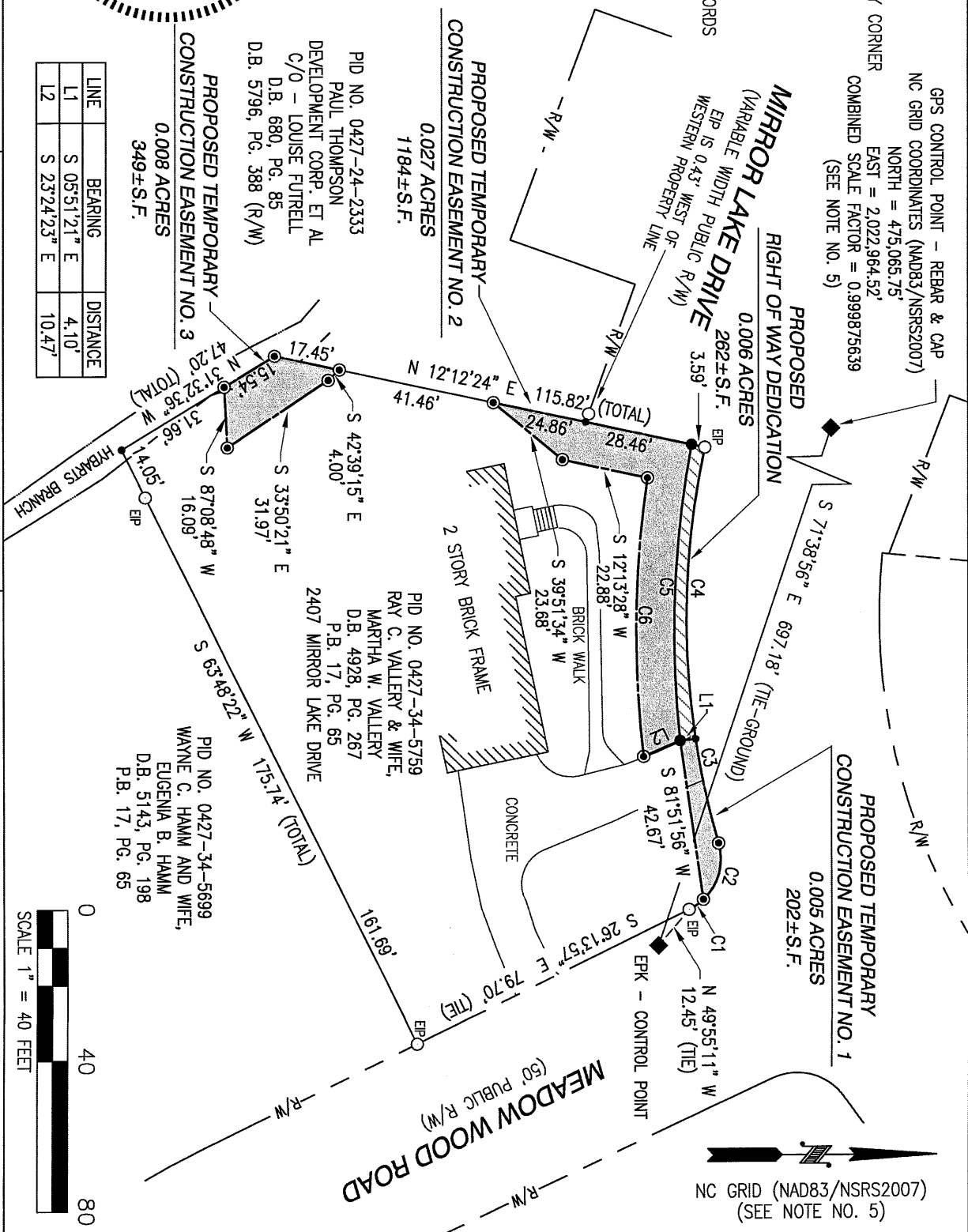
CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH	DELTA ANGLE
C1	15.00'	4.63'	S 35°03'51" E	4.61'	17°40'40"
C2	15.00'	16.25'	S 74°56'34" E	15.47'	62°04'46"
C3	216.26'	28.38'	N 77°49'27" E	28.36'	7°31'09"
C4	216.26'	77.81'	S 88°06'30" E	77.39'	20°36'57"
C5	277.75'	78.86'	N 87°43'21" W	78.59'	16°15'59"
C6	287.68'	74.15'	N 89°06'11" W	73.95'	14°46'07"

NOTES:  
1. ALL DISTANCES ARE HORIZONTAL GROUND UNLESS OTHERWISE NOTED. ALL AREAS COMPUTED BY THE COORDINATE METHOD.  
2. THIS SURVEY IS SUBJECT TO THE FINDINGS OF A COMPLETE AND ACCURATE TITLE OPINION AND THEREFORE DOES NOT NECESSARILY SHOW ALL ENCUMBRANCES ON THE PROPERTY.  
3. THE PURPOSE OF THIS EXHIBIT IS TO DEPICT THE EXISTING PARCEL BOUNDARIES, EXISTING EASEMENTS, EXISTING RIGHT OF WAYS AND PROPOSED RIGHT OF WAYS AND PROPOSED EASEMENTS REQUIRED FOR THE PROPOSED CONSTRUCTION OF THE MIRROR LAKE DAM IMPROVEMENT PROJECT AND TO PROVIDE THE BASIS FOR THE ACQUISITION OF THE PROPOSED EASEMENTS AND THE PROPOSED RIGHT OF WAY. THIS EXHIBIT DOES NOT REPRESENT A FULL BOUNDARY SURVEY OF THE PARCEL AS SHOWN.  
4. PHYSICAL IMPROVEMENTS, UTILITIES, AND OTHER SURFACE OR SUB-SURFACE FEATURES MAY EXIST WHICH ARE NOT SHOWN.  
5. HORIZONTAL DATUM IS BASED UPON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM (NAD 83/NSRS2007). THE COORDINATES AS SHOWN ARE EXPRESSED IN US SURVEY FEET AND WERE DERIVED BY GPS OBSERVATIONS UTILIZING THE NC RTK NETWORK. THE COORDINATE VALUES HAVE A POSITIONAL ACCURACY OF 0.06 FEET.

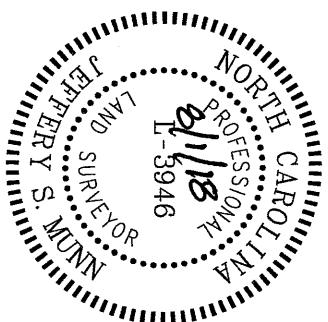
- LEGEND
- EXISTING IRON PIN OR PIPE - PROPERTY CORNER
  - ◆ GPS CONTROL POINT
  - NEW 6" NAIL SET
  - NEW 5/8" REBAR SET
  - COMPUTED POINT (NO POINT SET)
  - LINE SURVEYED
  - R/W — EXISTING RIGHT OF WAY
  - — LINE NOT SURVEYED - FROM RECORDS
  - EIP EXISTING IRON PIPE OR PIN

GPS CONTROL POINT - REBAR & CAP  
NC GRID COORDINATES (NAD83/NSRS2007)  
NORTH = 475,065.75'  
EAST = 2,022,964.52'  
COMBINED SCALE FACTOR = 0.999875639  
(SEE NOTE NO. 5)

NC GRID (NAD83/NSRS2007)  
(SEE NOTE NO. 5)



LINE	BEARING	DISTANCE
L1	S 05°51'21" E	4.10'
L2	S 23°24'23" E	10.47'

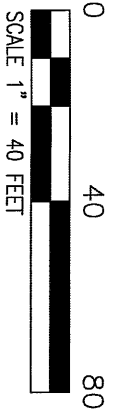


THIS EXHIBIT MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS. THE INTENT OF THIS EXHIBIT IS TO ILLUSTRATE THE LOCATION OF THE PROPOSED DEDICATIONS AS SHOWN.



3220 GLEN ROYAL RD. RALEIGH, NC 27617  
TEL. (919) 788-0224 FAX (919) 788-0232  
CORPORATE LICENSE # P-0189

RIGHT OF WAY & EASEMENT EXHIBIT  
PREPARED FOR THE  
CITY OF FAYETTEVILLE  
PROPERTY OF  
RAY C. VALLERY & WIFE, MARTHA W. VALLERY  
CROSS CREEK TOWNSHIP • CUMBERLAND COUNTY • NORTH CAROLINA  
AUGUST 1, 2018 • SCALE 1" = 40'



1. JEFFERY S. MUNN, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION FROM RECORDED DOCUMENTS AS REFERENCED; THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THIS SURVEY IS OF ANOTHER CATEGORY, SUCH AS THE RECOMMENDATION OF EXISTING PARCELS, A COURT ORDERED SURVEY, OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION, WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 1<sup>ST</sup> DAY OF AUGUST, 2018.

Jeffery S. Munn, PLS NC L-3946