

CONNECT GROUND TO POLE BASE WITH GROUND LUG

POLE

HAND HOLE

BUSH ALL CONDUITS

BASE COVER

NON-SHRINK GROUT MUST BE PACKED UNDER POLE BASE

HAND RUBBED FINISH

1" CHAMFER

1-1/2"

6"

2'-6"

(4) #5 REBAR WITH #4 RINGS 12" O.C. (MAX.)

(3) RINGS IN TOP 12"

2'-0"

6"

GRADE

PROVIDE CONCRETE MOW STRIP WHERE LOCATED IN GRASS. MOW STRIP SHALL BE 12" WIDE. MOW STRIP SHALL SLOPE 1" TO ACCOMMODATE GRADE SLOPE.

(4) ANCHOR BOLTS (GALVANIZED) FURNISHED WITH POLE SIZE PER POLE MANUFACTURER.

GRS ELBOW (WRAPPED)

SEE PLAN FOR CONDUIT AND WIRE SIZE

CONCRETE BASE

#6 CU. BARE GROUND WIRE, COIL 1" IN BOTTOM OF BASE

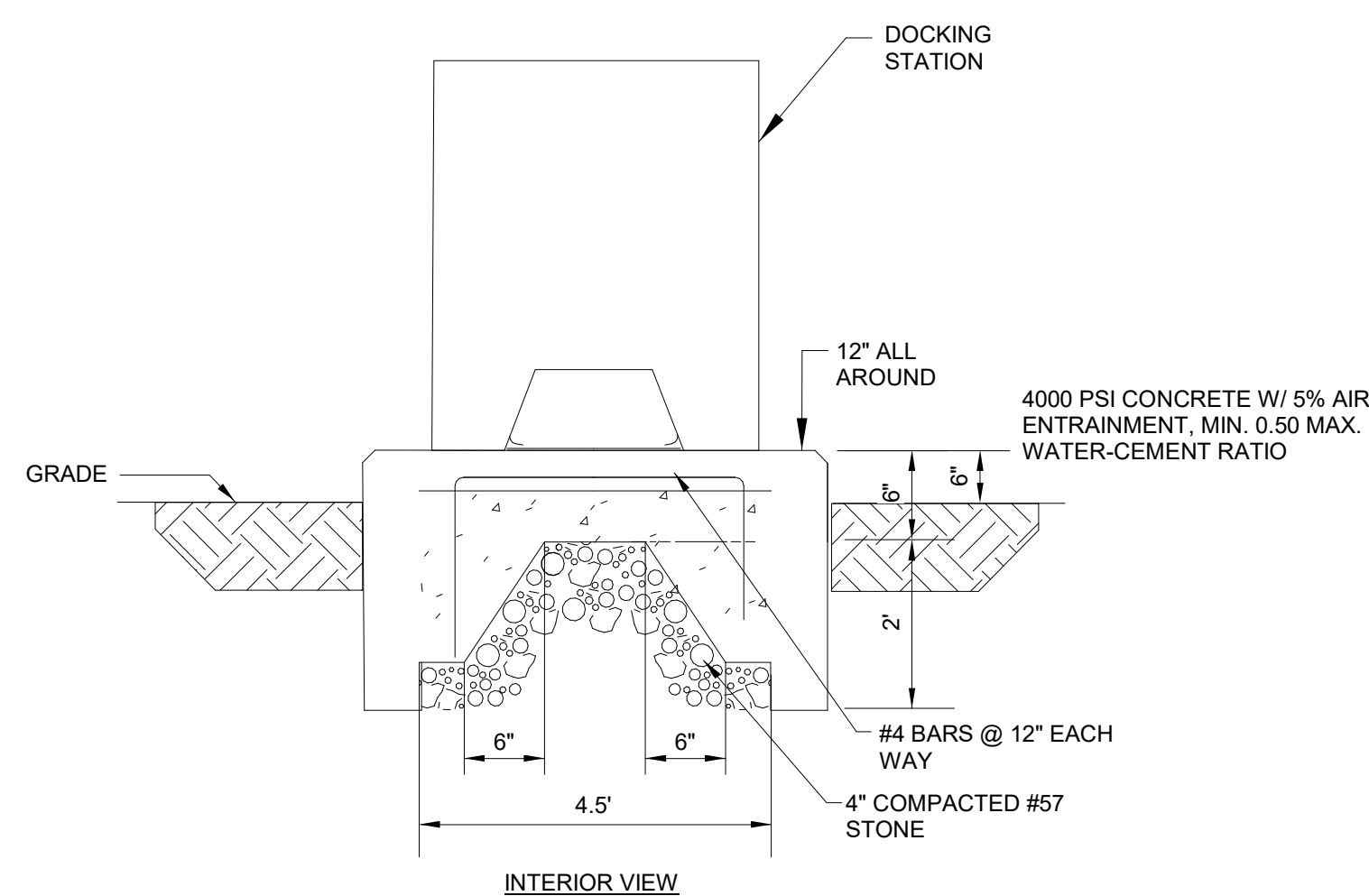
1-1/2" MIN.

2'-0" DIA.

FOUNDATION DEPTH SEE CHART

NOTES:

1. ALL FOUNDATIONS ARE 24" IN DIAMETER UNLESS NOTED OTHERWISE.
2. THE SITE MAY CONTAIN SANDY OR OTHER UNSTABLE SOIL. THE GENERAL CONTRACTOR SHALL PROVIDE AN EXACT POLE FOUNDATION THAT IS DESIGNED, SIGNED, AND SEALED BY A S.C. LICENSED STRUCTURAL ENGINEER. GC IS TO REVIEW AND COORDINATE WITH THE GEOTECHNICAL INVESTIGATION REPORT.



SCALE: N.T.S.

1. EXISTING OCCUPANTS IN SPACE NOT RENOVATED ARE TO REMAIN ENERGIZED.
2. PREPARE ALL WORK TO MINIMIZE OUTAGE INCLUDING INSTALLING GENERATOR AND EMERGENCY AND NORMAL POWER SWITCHBOARDS.
3. INSTALL NEW DUCTBANK AND UTILITY COMPANY TRANSFORMER.
4. EXTEND NEW FEEDER FROM NEW NORMAL POWER SWITCHBOARD TO EXISTING MDP AND BE PREPARED TO SWITCH OVER WHEN UTILITY SERVICE OUTAGE OCCURS
5. OUTAGE TO BE SCHEDULED WITH OCCUPANTS AND APPROVED 14 DAYS AHEAD. PLAN OUTAGES TO OCCUR ON WEEKENDS OR AFTER NORMAL WORK HOURS.

- 1 NEW FIBER UNDERGROUND IN (2) 4" CONDUIT ENCASED IN CONCRETE, WITH INNERDUCT ROUTED FROM NEW HANDHOLE TO BUILDING PENETRATION. SEE DETAIL 1 ON SHEET E404.
- 2 NEW FIBER UNDERGROUND IN (2) 4" CONDUIT WITH INNERDUCT ROUTED FROM EXISTING POLE TO NEW HANDHOLE.
- 3 CONTRACTOR TO PROVIDE DUKE ENERGY APPROVED PRECAST CONCRETE PAD.
- 4 WEATHER SEALED JUNCTION BOX FOR POWER FOR GATE.
- 5 CONTROL CIRCUIT SERVING EXTERIOR LIGHTS WITH PHOTOCELL AND CONTACTOR.
- 6 PROVIDE A PHONE AND CARD READER IN WEATHER PROOF ENCLOSURE.
- 7 2.1-1/2" TO BUILDING AND THEN TO MDF ROOM. COORDINATE EXACT LOCATION TO TERMINATE WITH IT/OFFICER.
- 8 USE EXISTING LOADING DOCK FOR DELIVERY OF LARGE EQUIPMENT SUCH AS SWITCHBOARDS AND UPS.
- 9 PROVIDE EQUIPMENT PAD FOR DOCKING STATION. SEE DETAIL #2 ON THIS DRAWING.
- 10 GENERAL LOCATION FOR EXISTING FACP.

4208 Six Forks Road, Suite 1000
Raleigh, NC 27609
p: 919.825.4882
www.sgarc.com

Consultants:
Civill:

TIMMONS GROUP
5410 Trinity Road, Suite 102 Raleigh, NC
27607
t 919 866 4951

MEP

RMF Engineering
8081 Arco Corporate Dr Suite 300
Raleigh, NC 27617
t 919 941 9876

Structural Engineer

SCHRADERGROUP
153 East King Street, Suite 211-212
Landaster, PA 17602
t 717 299 8965

Professional Seal

Owner:
ALAMANCE COUNTY

124 West Elm Street
Graham, NC 27253

Renovations to:

**Alamance County Emergency
Operations & Communication
Center**

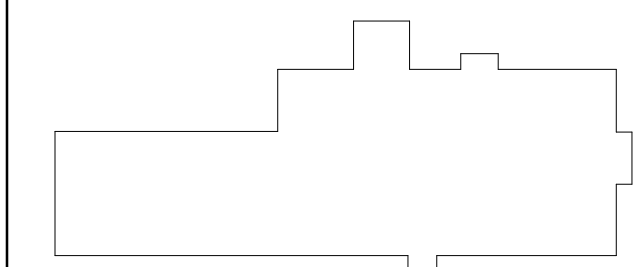
780 PLANTATION DRIVE
BURLINGTON, NC 27215

ISSUED FOR:		
NO.	DESCRIPTION	DATE
	BUILDING PERMIT SET	04/18/2025
	ISSUED FOR BIDDING	09/02/2025
	CONFORMED SET	02/06/2026

DATE: 09/02/2025

SG PROJECT NUMBER: 23-04

Key Plan

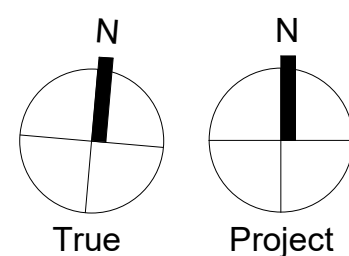


Drawing Title:

NEW WORK SITE PLAN

Drawing Number:

E002



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

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PERFORMING ANY WORK.

CONNECT ALL NEW FIRE ALARM DEVICES TO EXISTING BUILDING FIRE ALARM SYSTEM, PROVIDE EXTENDER POWER SUPPLIES AND MODIFICATION TO EXISTING SYSTEM AS NECESSARY TO COMPLETE WORK SHOWN.

ALL FIRE ALARM DEVICES SHALL BE OF SAME MANUFACTURER AS EXISTING FIRE ALARM SYSTEM IN THE BUILDING.

FOR EXISTING STROBES, CONTRACTOR SHALL ADJUST THE CANDELA LEVEL SHOWN, OR PROVIDE NEW DEVICE TO ACHIEVE CANDELA RATING.

ALL WIRING LOCATED IN OPEN CEILING SPACES SHALL BE RUN IN CONDUIT.

COORDINATE ALL CEILING MOUNTED DEVICES WITH ALL OTHER TRADES AND CEILING MOUNTED DEVICES. ADDITIONAL DEVICES SHALL BE PROVIDED AS NECESSARY TO ACCOMMODATE OTHER CEILING MOUNTED DEVICES AND MAINTAIN NECESSARY COVERAGE.

COORDINATE WITH ARCHITECTURAL DRAWING FOR CEILING LOCATIONS.

REFER TO ELECTRICAL DETAILS FOR FIRE AND ACOUSTIC WALL PENETRATIONS.

ALL SURFACE MOUNTED CONDUIT EXPOSED WITHIN FINISHED AREA SHALL BE PAINTED TO MATCH SURROUNDING WALL COLOR.

0. ALL DEVICES AND RACEWAY INSTALLED ON NON-FURRED OUT SECURE WALLS SHALL BE SURFACE MOUNTED, UNLESS OTHERWISE NOTED.

PROVIDE (12") CONDUIT WALL SLEEVE FOR FIRE STOPPING. SLEEVE SHALL BE SOUND ATTENUATED/FIRE RATED WHERE SOUND ATTENUATED/FIRE RATED WALLS ARE PENETRATED. OTHERWISE SLEEVE SHALL BE SOUND ATTENUATED/FIRE RATED BUSHINGS ON BOTH ENDS. REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPE INFORMATION. COORDINATE EXACT INFRASTRUCTURE REQUIREMENTS WITH LOW VOLTAGE CONTRACTOR AND OWNER IT DEPARTMENT PRIOR TO PURCHASING AND INSTALLATION.

HATCHED AREA NOT IN CURRENT SCOPE.

REFER DETAIL #1 ON SHEET E402 FOR CARD READER ROUGH-IN AND INSTALLATION.

PROVIDE 4" CONDUIT SLEEVES FROM TOP OF CABLE TRAY TO SECOND FLOOR. REFER TO DRAWING E401-302 FOR EXACT LOCATION.

COORDINATE EXACT LOCATION OF PANELS WITH ARCHITECT. PRIOR TO INSTALLATION.

PROVIDE 1.25" CONDUIT TO CABLE TRAY. REFER TO DETAIL #7 ON SHEET E403 FOR MORE INFORMATION.

LOCATE UNDER RAISED FLOOR.

PROVIDE EPO SWITCH WITH SAFETY COVER TO SHUTDOWN CRAC UNITS AND UPS.

4" CONDUITS PENETRATE WALLS TO UNDER FLOOR CABLE TRAY. SEAL OPENING AROUND CONDUIT PENETRATIONS.

Civil

MEP

Structural Engineer.

Professional Seal

Owner:

124 West Elm Street
Graham, NC 27253

780 PLANTATION DRIVE
BURLINGTON, NC 27215

ISSUED FOR:

DATE: 09/02/2025

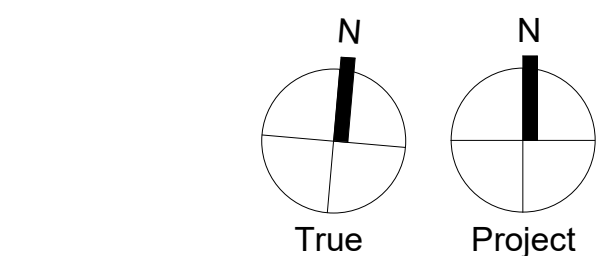
SG PROJECT NUMBER:

Key Plan:



Drawing Number:

E301



SCALE: 1/8" = 1'-0"