



Wayne County, North Carolina Board of Commissioners

January 21, 2025
224 E. Walnut Street
Courthouse 4th Floor
Goldsboro, NC 27530

MINUTES

8:00 A.M. AGENDA BRIEFING

During the scheduled briefing and prior to the regularly scheduled meeting, the Board of Commissioners held an advertised briefing session to discuss the items of business on the agenda.

The briefing began at 8:00 a.m. with Assistant County Manager Ginger Moore reviewing the agenda.

Staff Attorney Andrew Neal reviewed the Discussion of Fireworks Permits, answered questions from the board, and reviewed the Parkstown Road surplus property.

Finance Director Angie Boswell reviewed the budget amendments.

Planning Director Berry Gray reviewed the proposed zoning ordinance changes related to airport and airport height overlay and answered questions from the board.

8:27 A.M. - Chairwoman Barbara Aycock recessed the meeting until 9:00 a.m.

Members Present: Chairwoman Barbara Aycock; George Wayne Aycock, Jr.; Joe C. Daughtery; Chris Gurley; Tim Harrell; and Antonio Williams.

Members Absent: Vice-Chairman Bevan Foster

9:00 A.M. CALL TO ORDER - Chairwoman Barbara Aycock

The Wayne County Board of Commissioners met on Tuesday, January 21, 2025, at 9:00 a.m. in the Commissioners Meeting Room in the Wayne County Courthouse Annex, Goldsboro, North Carolina, after due notice thereof had been given.

Members present: Chairwoman Barbara Aycock; Vice-Chairman Bevan Foster; George Wayne Aycock, Jr.; Joe C. Daughtery; Chris Gurley; Tim Harrell; and Antonio Williams.

Members absent: None.

INVOCATION - Chairwoman Barbara Aycock

Chairwoman Barbara Aycock gave the invocation.

PLEDGE OF ALLEGIANCE - Vice-Chairman Bevan Foster

Vice-Chairman Bevan Foster led the Board of Commissioners in the Pledge of Allegiance to the Flag of the United States of America.

APPROVAL OF MINUTES

1. Motion to Approve January 7, 2025, Minutes.

Upon motion of Commissioner Chris Gurley, the Board of Commissioners unanimously approved the January 7, 2025, minutes.

DISCUSSION/ADJUSTMENT OF AGENDA

2. Motion to Approve the January 21, 2025, Agenda.

Upon motion of Commissioner Joe C. Daughtery, the Board of Commissioners unanimously approved the January 21, 2025, agenda.

SPECIAL PRESENTATIONS

3. Presentation of the Wayne County Hero Spotlight by Jay's Kitchen.

Assistant County Manager Ginger Moore and Jay's Kitchen representatives presented Deputy Matthew Wade the Wayne County Hero Spotlight award by Jay's Kitchen.

4. Presentation of Retirement Plaque for Detention Officer Willie D. Sparks.

Sheriff Larry Pierce presented a retirement plaque to retiring Detention Center employee Willie D. Sparks.

5. Employee Anniversary Pins

Assistant County Manager Ginger Moore and Deputy Clerk to the Board Kayla Whitley presented employee service pins to those present.

6. Motion to Approve the MLK Day Proclamation, as presented by Commissioner Antonio Williams.

Upon motion of Commissioner Antonio Williams, the Board of Commissioners unanimously approved the MLK Day Proclamation, as presented by Commissioner Williams, attached hereto as Attachment A.

APPOINTMENT COMMITTEE

Commissioner Joe C. Daughtery recommended the following appointments and reappointments, to be voted on at the February 4, 2025, meeting:

- * Appoint Ethel Sampson to the Adult Care Home Community Advisory Committee.

- * Appoint Summer Denton to the Tourism Development Authority, replacing Nikki Cox.

- * Reappoint Jamie Livengood, Jason Adams, Sheriff Larry Pierce, Matthew Delbridge, Kristie Howell, Kimberly McGuire, Carol Bowden, Phillip Sexton, Antonio Williams, Brooklyn Aytch, Gabriella Carrasquillo, Dustin Pittman, Curtis Stackhouse, Scott Satterfield, Hunter Hijima, Felisha Widener, Felicia Brown, Beverly Bell, Renita Dawson, Mary Ann Dudley, Branny Victory, and Colleen Kosinski to the Juvenile Crime Prevention Council.

- * Reappoint Ken Gerrard and Dr. Lintzeris to the Wayne Health Corporation Board

of Directors.

- * Appoint Craig Pearson to the Pikeville Planning Board, replacing Danny Van Devender.

- * Reappoint Robert Dingess to the GWTA Governing Board, per General Manager Don Willis.

9:15 A.M. PUBLIC HEARING

7. To Receive Public Comments Regarding an Economic Development Agreement between Wayne County and Wayne County Development Alliance, Inc. for the development of a pad ready site and construction of warehouse on Lot 6 of the Wayne County Business Campus in Goldsboro, NC.

At 9:19 a.m., Chairwoman Barbara Aycock opened the public hearing to receive public comments regarding an Economic Development Agreement between Wayne County and Wayne County Development Alliance, Inc., for the development of a pad ready site and construction of warehouse on Lot 6 of the Wayne County Business Campus in Goldsboro, attached hereto as Attachment B.

Staff Attorney Andrew Neal reviewed the agreement and answered questions from the board.

No one presented themselves for comment.

At 9:23 a.m., Chairwoman Barbara Aycock closed the public hearing.

Upon motion of Commissioner Antonio Williams, the Board of Commissioners unanimously approved the Economic Development Agreement between Wayne County and the Wayne County Development Alliance, Inc., for the development of a pad ready site and construction of warehouse on Lot 6 of the Wayne County Business Campus in Goldsboro.

UNFINISHED BUSINESS

8. Discussion of Fireworks Permits.

Staff Attorney Andrew Neal reviewed the materials in the packet pertaining to the issuance of permits, attached hereto as Attachment C, and discussed with the board.

AGENDA_ITEM_SECTION_NAME

Upon motion of Commissioner Chris Gurley, the Board of Commissioners approved the Consent Agenda, as detailed below, by a vote of 6 to 1, with Foster against.

9. Budget Amendments

#191-Fleet/#193-HD/#196-Sheriff's Office/#199-HD/#202-HD/#204-Sheriff's Office/#207-Solid Waste

10. Motion to Approve Wayne County Personnel Policy Update.

Attached hereto as Attachment D.

11. Motion to Adopt a Resolution declaring surplus real property and approving the sale of two parcels located at 1276 Parkstown Road, La Grange, NC (PINs: 3559241461 & 3559241278).
Attached hereto as Attachment E.
12. Establish a Public Hearing on February 18, 2025 at 9:30am to receive public comments on an amendment to Sections 41, 50.8, and 50.12 of the Wayne County Zoning Ordinance to reflect changes related to airport height overlays.
Attached hereto as Attachment F.
13. Motion to Approve Amendment #1 for Work Authorization #14 for design and bidding for the Airfield Drainage Improvements - Phase 2 project, and appropriate budget amendment. This will be funded 90% by an FAA grant.
Attached hereto as Attachment G.
14. Motion to Approve Change Order #1 for the Perimeter Fence project, and appropriate budget amendment. This will be 90% funded by a state grant.
Attached hereto as Attachment H.

COUNTY MANAGER'S REPORT

Assistant County Manager Ginger Moore gave an update on County Manager Chip Crumpler and the upcoming arctic blast predicted for our region.

BOARD OF COMMISSIONERS COMMITTEE REPORTS

Commissioner Antonio Williams stated he attended the MLK Day event.

Commissioner Joe C. Daughtery stated he enjoyed watching the presidential inauguration and asked everyone to pray for the president and vice president.

Vice-Chairman Bevan Foster had no comments.

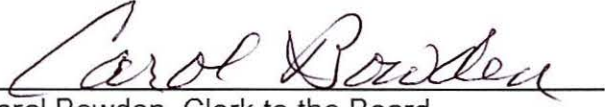
Commissioner Tim Harrell stated he attended the ECC and WAGES meetings, and the Rosewood Fire Department Banquet. He thanked volunteer firefighters across Wayne County.

Commissioner Chris Gurley stated the Firefighters Association meeting was canceled due to the impending snow storm.

Chairwoman Barbara Aycock stated she attended the MLK Day event, the Belfast Fire Department event, and the Chamber of Commerce event.

ADJOURNMENT

At 9:38 a.m., Chairwoman Barbara Aycock adjourned the meeting of the Wayne County Board of Commissioners.


Carol Bowden, Clerk to the Board

NORTH CAROLINA

WAYNE COUNTY

DR. MARTIN LUTHER KING, JR. DAY PROCLAMATION

WHEREAS, Monday, January 20, 2025, commemorated and celebrated Reverend Dr. Martin Luther King (MLK), Jr. Day and honored his life as a civil rights leader, inspiring a legacy of accomplishments as a social and political activist; and

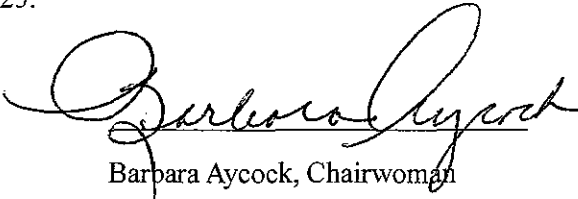
WHEREAS, Dr. King was dedicated to realizing his vision for a better world by fighting for the rights and dignity of all people, becoming one of this country's most influential voices of public consciousness, and being committed to principles of equality and justice for all. He used moral means to pursue honorable goals of eradicating racism, classism, and poverty while simultaneously creating new forms of civic engagement and philanthropy at local and national levels; and

WHEREAS, Dr. King received the Nobel Peace Prize in 1964, as the youngest person to ever receive this honor. Inspired by his life of selflessness, the United States Congress and Senate passed the MLK Holiday and Service Act in 1994 by combining the national holiday honoring Dr. King's birthday with a National Day of Service known as Martin Luther King, Jr. Day of Service; and

WHEREAS, Wayne County community members of all perspectives and ages were encouraged to participate in MLK's National Day of Service volunteer events on January 20, 2025, and throughout the year in service, remaining steadfast in cultivating and fostering a culture of inclusivity and acts of kindness through service to others.

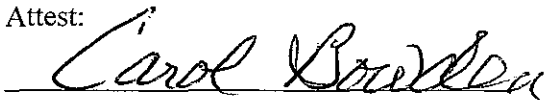
Now, THEREFORE, the Wayne County Board of Commissioners does hereby proclaim January 20, 2025, was Martin Luther King, Jr. Day, a National Day of Service in the County of Wayne.

Adopted this the 21st day of January, 2025.


Barbara Aycock, Chairwoman

Wayne County Board of Commissioners

Attest:



Carol Bowden, Clerk to the Board



NOTICE OF PUBLIC HEARING
NORTH CAROLINA
WAYNE COUNTY

Notice is hereby given that the Wayne County Board of Commissioners will hold a public hearing on January 21, 2025 at 9:15 a.m. in the Commissioners Meeting Room in the Wayne County Courthouse Annex, 224 E. Walnut St., Goldsboro, NC. The purpose of the public hearing is to receive public comments regarding an Economic Development Agreement between Wayne County and Wayne County Development Alliance, Inc. for the development of a pad ready site and construction of warehouse on Lot 6 of the Wayne County Business Campus in Goldsboro, NC.

All interested parties are invited to attend this public hearing and be heard. Written comments may be made in advance to the following:

Carol Bowden, Clerk to the Board
Wayne County Board of Commissioners
P.O. Box 227
Goldsboro, NC 27533-0227
919-731-1445
carol.bowden@waynegov.com

This the 21st day of January, 2025.

Carol Bowden
Wayne County Clerk to the Board

NORTH CAROLINA

WAYNE COUNTY

ECONOMIC DEVELOPMENT AGREEMENT REGARDING THE DEVELOPMENT OF LOT
6 IN THE WAYNE COUNTY BUSINESS CAMPUS

This Economic Development Agreement ("Agreement") is made and entered into as of the ____ day of January, 2024, by and between COUNTY OF WAYNE ("County"), a body politic and corporate organized under the laws of the State of North Carolina, whose mailing address is PO Box 227, Goldsboro, NC 27533, and WAYNE COUNTY DEVELOPMENT ALLIANCE, INC. ("WCDA"), a North Carolina non-profit corporation, whose mailing address is PO Box 10397, Goldsboro, NC 27533.

WITNESSETH

WHEREAS, the County and WCDA jointly operate an industrial park in Goldsboro, North Carolina, currently known as the Wayne County Business Campus as identified in Plat Cabinet O, Slide 99-A of the Wayne County Registry; and

WHEREAS, on June 6, 2017 the County, WCDA, and the City of Goldsboro executed an Economic Development Agreement which outlined the financial responsibilities of each entity with respect to the Wayne County Business Campus including how profits from the sale of land within the campus would be divided; and

WHEREAS, the development of Lot 6 as a pad-ready site within the Wayne County Business Campus is critical to attracting industries and supporting economic development in Wayne County; and

WHEREAS, NCGS § 158-7.1 permits local governments to acquire and develop land for an industrial park; and

WHEREAS, WCDA has secured a \$100,000 grant from the North Carolina's Southeast Region Industrial Site Enhancement Program (the "Grant") and will provide the required 20% grant match of \$20,000, along with an additional \$220,000 from product development funds on hand to fully fund the development of Lot 6 into a pad-ready site; and

WHEREAS, WCDA has previously funded the engineering plans for the site and intends to use the pad-ready Lot 6 as a feature in its next capital campaign to garner support from investors to support the total construction of a warehouse estimated at \$3.7 million; and

WHEREAS, the Wayne County Board of Commissioners held a public hearing on January 21, 2025 as required by NCGS § 158-7.1(c).

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

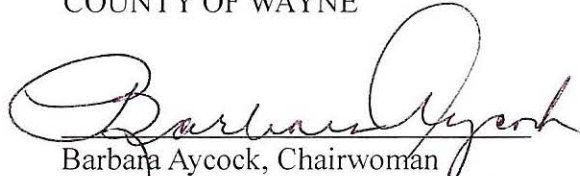
9. No changes, modifications, revisions or amendments to this Agreement shall be valid or enforceable unless stated in a written instrument when executed and signed by all parties to this Agreement, and, if necessary to validity or enforceability, duly approved pursuant to any applicable law.
10. This Agreement shall be governed and will be construed in accordance with the laws of the State of North Carolina. The parties agree that exclusive jurisdiction for all actions related to, or in connection with this agreement, including without limitation any action to enforce any right or obligation set forth herein, shall be in the General Court of Justice in Wayne County, North Carolina.
11. This Agreement constitutes and expresses the entire Agreement and understanding between the parties concerning the subject matter of this Agreement. This document, including exhibits, supersede all prior and contemporaneous discussion, promises, representations, Agreements, and understandings relative to the subject matter of this Contract.
12. Should any portion of this Agreement be judicially determined to be illegal or unenforceable, the remainder of the Agreement shall continue in full force and effect, and either party may renegotiate the terms affected by the severance.
13. County does not waive its sovereign immunity by entering into this Agreement, and fully retains all immunities and defenses provided by law with respect to any action based on or occurring as a result of this Agreement.
14. The parties do not intend to create in any other individual or entity the status of a third-party beneficiary, and this Agreement shall not be constructed so as to create such status. The rights, duties and obligations contained in this Agreement shall operate only between the parties to this Agreement and shall inure solely to the benefit of the parties to this Agreement. The provisions of this Agreement are intended only to assist the parties in determining and performing their obligations under this Agreement. The parties to this Agreement intend and expressly agree that only parties' signatory to this Agreement shall have any legal or equitable right to seek to enforce this Agreement, to seek any remedy arising out of a party's performance or failure to perform any term or condition of this Agreement, or to bring an action for the breach of this Agreement.

[SIGNATURES ON FOLLOWING PAGE]

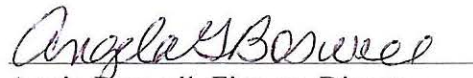
IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.



COUNTY OF WAYNE


Barbara Aycock, Chairwoman
Wayne County Board of Commissioners

This instrument has been pre-audited in the manner required by the Local Government Budget and Fiscal Control Act.


Angie Boswell, Finance Director

WAYNE COUNTY DEVELOPMENT
ALLIANCE, INC.

Craig Foucht, President
Wayne County Development Alliance, Inc.

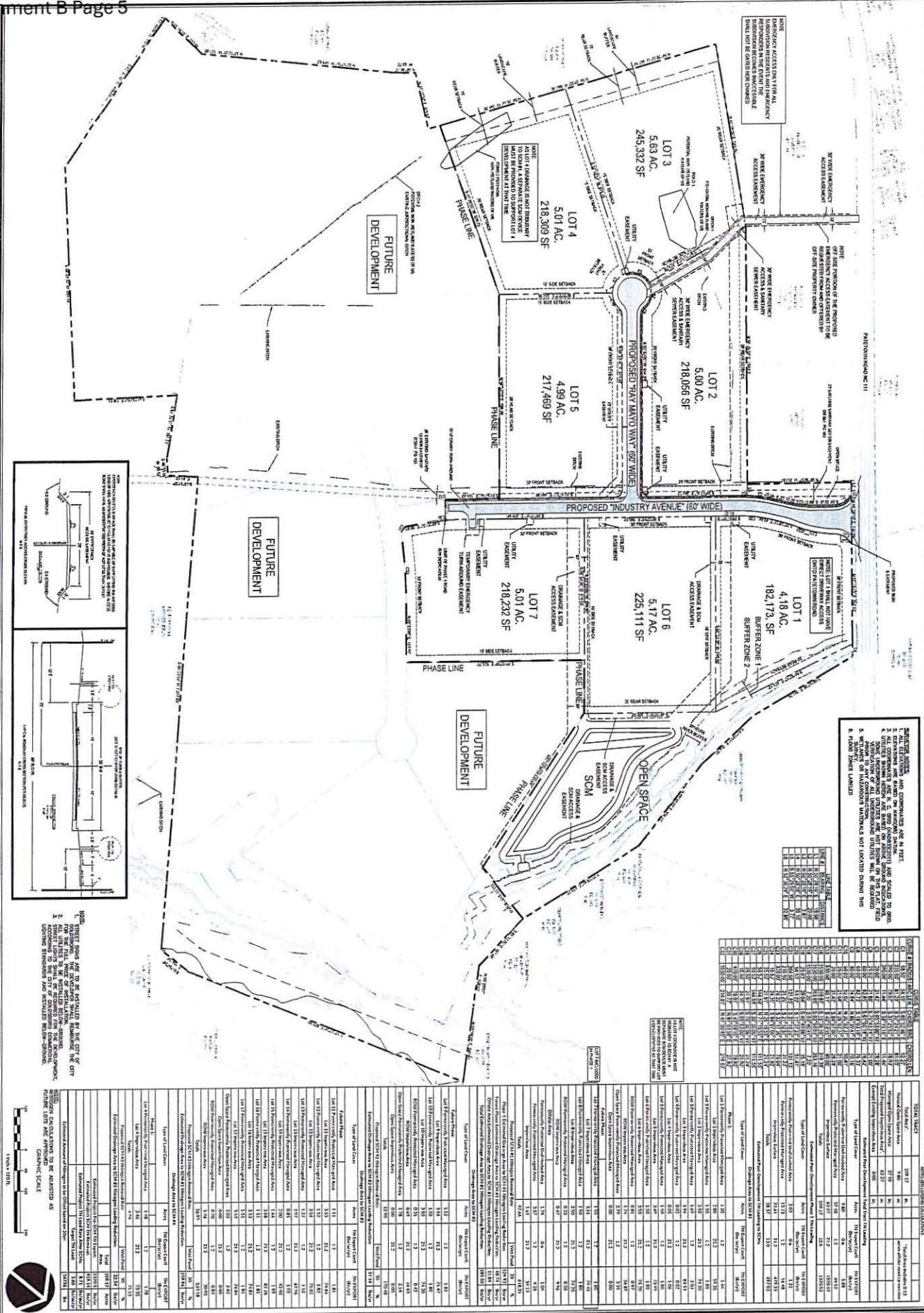


TABLE 1: LOT AREAS AND DIMENSIONS

Lot	Area (Acres)	Area (Sq. Ft.)	Dimensions (Feet)
LOT 1	4.18	182,176	1,200 x 150
LOT 2	5.00	218,066	1,200 x 180
LOT 3	5.63	245,332	1,200 x 200
LOT 4	5.01	218,309	1,200 x 180
LOT 5	4.99	217,469	1,200 x 180
LOT 6	5.17	225,111	1,200 x 190
LOT 7	5.01	218,232	1,200 x 180

TABLE 2: LOT DIMENSIONS

Lot	Front (Feet)	Side (Feet)	Back (Feet)
LOT 1	120	150	120
LOT 2	120	180	120
LOT 3	120	200	120
LOT 4	120	180	120
LOT 5	120	180	120
LOT 6	120	190	120
LOT 7	120	180	120

TABLE 3: LOT DIMENSIONS (Continued)

Lot	Front (Feet)	Side (Feet)	Back (Feet)
LOT 1	120	150	120
LOT 2	120	180	120
LOT 3	120	200	120
LOT 4	120	180	120
LOT 5	120	180	120
LOT 6	120	190	120
LOT 7	120	180	120

TABLE 4: LOT DIMENSIONS (Continued)

Lot	Front (Feet)	Side (Feet)	Back (Feet)
LOT 1	120	150	120
LOT 2	120	180	120
LOT 3	120	200	120
LOT 4	120	180	120
LOT 5	120	180	120
LOT 6	120	190	120
LOT 7	120	180	120

Overall Site Plan

Wayne County

GOLDSBORO BUSINESS CAMPUS - PHASE I

Wayne County

WithersRavenel

Engineers | Planners | Surveyors

C2.0

David D. Barlow

Professional Engineer

113 Hockaday Drive | Cary, NC 27511 | 919.448.2342 | 919.448.2342

Article 54.

Sale, etc., of Pyrotechnics.

§ 14-410. Manufacture, sale and use of pyrotechnics prohibited; exceptions; license required; sale to persons under the age of 16 prohibited.

(a) Except as otherwise provided in this section, it shall be unlawful for any individual, firm, partnership or corporation to manufacture, purchase, sell, deal in, transport, possess, receive, advertise, use, handle, exhibit, or discharge any pyrotechnics of any description whatsoever within the State of North Carolina.

(a1) It shall be permissible for pyrotechnics to be exhibited, used, handled, manufactured, or discharged within the State, provided all of the following apply:

- (1) The exhibition, use, or discharge is at a concert or public exhibition.
- (2) All individuals who exhibit, use, handle, or discharge pyrotechnics in connection with a concert or public exhibition have completed the training and licensing required under Article 82A of Chapter 58 of the General Statutes. The display operator or proximate audience display operator, as required under Article 82A of Chapter 58 of the General Statutes, must be present at the concert or public exhibition and must personally direct all aspects of exhibiting, using, handling, or discharging the pyrotechnics. Notwithstanding this subdivision, the display operator for the University of North Carolina School of the Arts may appoint an on-site representative to supervise any performances that include a proximate audience display subsequent to the opening performance, provided that the representative (i) is a minimum of 21 years of age and (ii) is properly trained in the safe discharge of proximate audience displays.
- (3) The display operator has secured written authority under G.S. 14-413 from the board of county commissioners of the county, or the city if authorized under G.S. 14-413(a1), in which the pyrotechnics are to be exhibited, used or discharged. Written authority from the board of commissioners or city is not required under this subdivision for a concert or public exhibition provided the display operator has secured written authority from (i) The University of North Carolina or the University of North Carolina at Chapel Hill under G.S. 14-413, and pyrotechnics are exhibited on lands or buildings in Orange County owned by The University of North Carolina or the University of North Carolina at Chapel Hill, (ii) the University of North Carolina School of the Arts and pyrotechnics are exhibited on lands or in buildings owned by the State and used by the University of North Carolina School of the Arts, or (iii) The University of North Carolina or North Carolina State University under G.S. 14-413, and pyrotechnics are exhibited on lands or buildings in Wake County owned by The University of North Carolina or North Carolina State University.

(a2) Notwithstanding any provision of this section, it shall not be unlawful for a common carrier to receive, transport, and deliver pyrotechnics in the regular course of its business.

(a3) The requirements of this section apply to G.S. 14-413(b) and G.S. 14-413(c).

(a4) It shall be permissible for pyrotechnics to be exhibited, used, handled, manufactured, or discharged within the State as a special effect by a production company, as defined in G.S. 105-164.3(185), for a motion picture production, if the motion picture set is closed to the public or is separated from the public by a minimum distance of 500 feet.

(a5) It shall be permissible for pyrotechnics to be exhibited, used, handled, manufactured, or discharged within the State for pyrotechnic or proximate audience display instruction consisting of classroom and practical skills training approved by the Office of State Fire Marshal.

(b) Notwithstanding the provisions of G.S. 14-414, it shall be unlawful for any individual, firm, partnership, or corporation to sell pyrotechnics as defined in G.S. 14-414(2), (3), (4)c., (5), or (6) to persons under the age of 16.

(c) The following definitions apply in this Article:

- (1) Concert or public exhibition. – A fair, carnival, show of any description, or public celebration.
- (2) Display operator. – An individual issued a display operator license under G.S. 58-82A-3.
- (3) State Fire Marshal. – Defined in G.S. 58-78A-1. (1947, c. 210, s. 1; 1993 (Reg. Sess., 1994), c. 660, s. 3; 1995, c. 475, s. 1; 2003-298, s. 2; 2007-38, s. 1; 2009-507, s. 1; 2010-22, s. 8; 2013-275, s. 1; 2015-124, s. 1; 2023-134, s. 30.8(c).)

§ 14-411. Sale deemed made at site of delivery.

In case of sale or purchase of pyrotechnics, where the delivery thereof was made by a common or other carrier, the sale shall be deemed to be made in the county wherein the delivery was made by such carrier to the consignee. (1947, c. 210, s. 2.)

§ 14-412. Possession prima facie evidence of violation.

Possession of pyrotechnics by any person, for any purpose other than those permitted under this article, shall be prima facie evidence that such pyrotechnics are kept for the purpose of being manufactured, sold, bartered, exchanged, given away, received, furnished, otherwise disposed of, or used in violation of the provisions of this article. (1947, c. 210, s. 3.)

§ 14-413. Permits for use at public exhibitions.

(a) For the purpose of enforcing the provisions of this Article, the board of county commissioners of any county, or the governing board of a city authorized pursuant to subsection (a1) of this section, may issue permits for use in connection with the conduct of concerts or public exhibitions, such as fairs, carnivals, shows of all descriptions and public celebrations, but only after satisfactory evidence is produced to the effect that said pyrotechnics will be used for the aforementioned purposes and none other. Provided that no such permit shall be required for a public exhibition under any of the following circumstances:

- (1) The exhibition is authorized by The University of North Carolina or the University of North Carolina at Chapel Hill and conducted on lands or in buildings in Orange County owned by The University of North Carolina or the University of North Carolina at Chapel Hill.
- (2) The exhibition is authorized by the University of North Carolina School of the Arts and conducted on lands or in buildings owned by the State and used by the University of North Carolina School of the Arts.
- (3) The exhibition is authorized by The University of North Carolina or North Carolina State University and conducted on lands or in buildings in Wake County owned by The University of North Carolina or North Carolina State University.

(a1) For the purpose of enforcing the provisions of this Article, a board of county commissioners may authorize the governing body of any city in the county to issue permits pursuant to the provisions of this Article for pyrotechnics to be exhibited, used, or discharged within the corporate limits of the city for use in connection with the conduct of concerts or public exhibitions. The board of county commissioners shall adopt a resolution granting the authority to the city, and it shall remain in effect until withdrawn by the board of county commissioners adopting a subsequent resolution withdrawing the authority. If a city lies in more than one county, the board of county commissioners of each county in which the city lies must adopt an authorizing resolution. If any county in which the city lies withdraws the authority of the city to issue permits for the use of pyrotechnics, the authority of the city to issue permits for the use of pyrotechnics will end, and all counties within which the city lies must resume their authority to issue the permits.

(b) For any indoor use of pyrotechnics at a concert or public exhibition, the board of commissioners or the governing body of an authorized city may not issue any permit unless the local fire marshal or the State Fire Marshal (or in the case of The University of North Carolina, the University of North Carolina at Chapel Hill, or North Carolina State University it may not authorize such concert or public exhibition unless the State Fire Marshal) has certified that:

- (1) Adequate fire suppression will be used at the site.
- (2) The structure is safe for the use of such pyrotechnics with the type of fire suppression to be used.
- (3) Adequate egress from the building is available based on the size of the expected crowd.

(c) The requirements of subsection (b) of this section also apply to any city authorized to grant pyrotechnic permits by local act and to the officer delegated the power to grant such permits by local act.

(d) A board of county commissioners or the governing board of a city shall not issue a permit under this section unless the display operator provides proof of insurance in the amount of at least five hundred thousand dollars (\$500,000) or the minimum amount required under the North Carolina State Building Code pursuant to G.S. 143-138(e), whichever is greater. A board of county commissioners or the governing board of a city may require proof of insurance that exceeds these minimum requirements. (1947, c. 210, s. 4; 1993 (Reg. Sess., 1994), c. 660, s. 3.1; 1995, c. 509, s. 11; 2003-298, s. 1; 2007-38, s. 2; 2009-507, s. 2; 2013-275, s. 2; 2015-124, s. 2.)

§ 14-414. Pyrotechnics defined; exceptions.

For the proper construction of the provisions of this Article, "pyrotechnics," as is herein used, shall be deemed to be and include any and all kinds of fireworks and explosives, which are used for exhibitions or amusement purposes: provided, however, that nothing herein contained shall prevent the manufacture, purchase, sale, transportation, and use of explosives or signaling flares used in the course of ordinary business or industry, or shells or cartridges used as ammunition in firearms. This Article shall not apply to the sale, use, or possession of the following:

- (1) Explosive caps designed to be fired in toy pistols, provided that the explosive mixture of the explosive caps shall not exceed twenty-five hundredths (.25) of a gram for each cap.
- (2) Snake and glow worms composed of pressed pellets of a pyrotechnic mixture that produce a large, snake-like ash when burning.
- (3) Smoke devices consisting of a tube or sphere containing a pyrotechnic mixture that produces white or colored smoke.

- (4) Trick noisemakers which produce a small report designed to surprise the user and which include:
 - a. A party popper, which is a small plastic or paper item containing not in excess of 16 milligrams of explosive mixture. A string protruding from the device is pulled to ignite the device, expelling paper streamers and producing a small report.
 - b. A string popper, which is a small tube containing not in excess of 16 milligrams of explosive mixture with string protruding from both ends. The strings are pulled to ignite the friction-sensitive mixture, producing a small report.
 - c. A snapper or drop pop, which is a small, paper-wrapped item containing no more than 16 milligrams of explosive mixture coated on small bits of sand. When dropped, the device produces a small report.
- (5) Wire sparklers consisting of wire or stick coated with nonexplosive pyrotechnic mixture that produces a shower of sparks upon ignition. These items must not exceed 100 grams of mixture per item.
- (6) Other sparkling devices which emit showers of sparks and sometimes a whistling or crackling effect when burning, do not detonate or explode, do not spin, are hand-held or ground-based, cannot propel themselves through the air, and contain not more than 75 grams of chemical compound per tube, or not more than a total of 200 grams if multiple tubes are used. (1947, c. 210, s. 5; 1955, c. 674, s. 1; 1993, c. 437.)

§ 14-415. Violation made misdemeanor.

Any person violating any of the provisions of this Article, except as otherwise specified in said Article, shall be guilty of a Class 2 misdemeanor, except that it is a Class 1 misdemeanor if the exhibition is indoors. (1947, c. 210, s. 6; 1969, c. 1224, s. 3; 1993, c. 539, s. 288; 1994, Ex. Sess., c. 24, s. 14(c); 2003-298, s. 3.)

CHAPTER 56 EXPLOSIVES AND FIREWORKS

**SECTION 5601
GENERAL**

5601.1 Scope.

The provisions of this chapter shall govern the possession, manufacture, storage, handling, sale and use of *explosives*, *explosive materials*, fireworks and small arms ammunition.

Exceptions:

1. The Armed Forces of the United States, Coast Guard or National Guard.
2. *Explosives* in forms prescribed by the official United States Pharmacopoeia.
3. The possession, storage and use of small arms ammunition where packaged in accordance with DOTn packaging requirements.
4. The possession, storage and use of not more than 1 pound (0.454 kg) of commercially manufactured sporting black powder, 20 pounds (9 kg) of smokeless powder and 10,000 small arms primers for hand loading of small arms ammunition for personal consumption.
5. The use of *explosive materials* by federal, state and local regulatory, law enforcement and fire agencies acting in their official capacities.
6. Special industrial *explosive* devices that in the aggregate contain less than 50 pounds (23 kg) of *explosive materials*.
7. The possession, storage and use of blank industrial-power load cartridges where packaged in accordance with DOTn packaging regulations.
8. Transportation in accordance with [DOTn 49 CFR Parts 100-185](#).
9. Items preempted by federal regulations.
10. The possession, storage, transportation and use of explosive materials by companies permitted under the provisions of N.C.G.S. Chapter 74, Article 7.

5601.1.1 Explosive material standard.

In addition to the requirements of this chapter, [NFPA 495](#) shall govern the manufacture, transportation, storage, sale, handling and use of *explosive materials*.

5601.1.2 Explosive material terminals.

In addition to the requirements of this chapter, the operation of *explosive material* terminals shall conform to the provisions of [NFPA 498](#).

5601.1.3 Fireworks.

The possession, manufacture, storage, sale, handling and use of fireworks are prohibited.

Exceptions:

1. Storage and handling of fireworks as allowed in [Section 5604](#).
2. Manufacture, assembly and testing of fireworks as allowed in [Section 5605](#).
3. The use of fireworks for fireworks displays as allowed in [Section 5608](#).
4. The possession, storage, sale, handling and use of specific types of Division 1.4G fireworks where allowed by applicable laws, ordinances and [regulations](#), [provided such fireworks and facilities comply with NFPA 1124](#), [CPSC 16 CFR Parts 1500 and 1507](#), and [DOTn 49 CFR Parts 100-185](#), for consumer fireworks.

5601.1.4 Rocketry.

The storage, handling and use of model and high-power rockets shall comply with the requirements of [NFPA 1122](#), [NFPA 1125](#) and [NFPA 1127](#).

5601.1.5 Ammonium nitrate.

The storage and handling of ammonium nitrate shall comply with the requirements of [NFPA 400](#) and [Chapter 63](#).

Exception: Storage of ammonium nitrate in magazines with blasting agents shall comply with the requirements of [NFPA 495](#).

5601.2 Permit required.

Permits shall be required as set forth in [Section 105.6](#) and regulated in accordance with this section.

5601.2.1 Residential uses.

Persons shall not keep or store, nor shall any permit be issued to keep or store, any *explosives* at any place of habitation,

Exception: Storage of smokeless propellant, black powder and small arms primers for personal use and not for resale in accordance with [Section 5606](#).

5601.2.2 Sale and retail display.

Persons shall not construct a retail display nor offer for sale *explosives*, *explosive materials* or fireworks upon highways, sidewalks, public property or in Group A or E occupancies.

5601.2.3 Permit restrictions.

The *fire code official* is authorized to limit the quantity of *explosives*, *explosive materials* or fireworks permitted at a given location. Persons possessing a permit for storage of *explosives* at any place, shall not keep or store an amount greater than authorized in such permit. Only the kind of *explosive* specified in such a permit shall be kept or stored.

5601.2.4 Financial responsibility.

Before a permit is issued, as required by [Section 5601.2](#), the applicant shall file with the jurisdiction a corporate surety bond in the principal sum of \$100,000 or a public liability insurance policy for the same amount, for the purpose of the payment of all damages to persons or property that arise from, or are caused by, the conduct of any act authorized by the permit upon which any judicial judgment results. The *fire code official* is authorized to specify a greater or lesser amount when, in his or her opinion, conditions at the location of use indicate a greater or lesser amount is required. Government entities shall be exempt from this bond requirement.

5601.2.4.1 Blasting.

Before approval to do blasting is issued, the applicant for approval shall file a bond or submit a certificate of insurance in such form, amount and coverage as determined by the legal department of the jurisdiction to be adequate in each case to indemnify the jurisdiction against any and all damages arising from permitted blasting.

5601.2.4.2 Fireworks display.

The permit holder shall furnish a certificate of insurance in an amount specified by N.C.G.S. 14-413 (d) for the payment of all potential damages to a person or persons or to property by reason of the permitted display, and arising from any acts of the permit holder, the agent, employees or subcontractors.

5601.3 Prohibited explosives.

Permits shall not be issued or renewed for possession, manufacture, storage, handling, sale or use of the following materials and such materials currently in storage or use shall be disposed of in an *approved* manner.

1. Liquid nitroglycerin.
2. Dynamite containing more than 60-percent liquid *explosive* ingredient.
3. Dynamite having an unsatisfactory absorbent or one that permits leakage of a liquid *explosive* ingredient under any conditions liable to exist during storage.
4. Nitrocellulose in a dry and uncompressed condition in a quantity greater than 10 pounds (4.54 kg) of net weight in one package.
5. Fulminate of mercury in a dry condition and fulminate of all other metals in any condition except as a component of manufactured articles not hereinafter forbidden.
6. *Explosive* compositions that ignite spontaneously or undergo marked decomposition, rendering the products of their use more hazardous, when subjected for 48 consecutive hours or less to a temperature of 167°F (75°C).
7. New *explosive materials* until *approved* by DOTn, except that permits are allowed to be issued to educational, governmental or industrial laboratories for instructional or research purposes.
8. *Explosive materials* forbidden for transport by DOTn.
9. *Explosive materials* containing an ammonium salt and a chlorate.
10. *Explosives* not packed or marked as required by DOTn 49 CFR Parts 100-185.

Exception: Gelatin dynamite.

5601.4 Qualifications.

Persons in charge of magazines, blasting, fireworks display or pyrotechnic special effect operations shall not be under the influence of alcohol or drugs that impair sensory or motor skills, shall be not less than 21 years of age and shall demonstrate knowledge of all safety precautions related to the storage, handling or use of *explosives*, *explosive materials* or fireworks.

5601.5 Supervision.

The *fire code official* is authorized to require operations permitted under the provisions of [Section 5601.2](#) to be supervised at any time by the *fire code official* in order to determine compliance with all safety and fire regulations.

5601.6 Notification.

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When a new *explosive material* storage or manufacturing site is established, including a temporary job site, the local law enforcement agency, fire department and local emergency planning committee shall be notified 48 hours in advance, not including Saturdays, Sundays and holidays, of the type, quantity and location of *explosive materials* at the site.

5601.7 Seizure.

The *fire code official* is authorized to remove or cause to be removed or disposed of in an *approved* manner, at the expense of the owner, *explosives*, *explosive materials* or fireworks offered or exposed for sale, stored, possessed or used in violation of this chapter.

5601.8 Establishment of quantity of explosives and distances.

The quantity of *explosives* and distances shall be in accordance with Sections 5601.8.1 and 5601.8.1.4.

5601.8.1 Quantity of explosives.

The quantity-distance (Q-D) tables in Sections 5604.5 and 5605.3 shall be used to provide the minimum separation distances from potential explosion sites as set forth in Tables 5601.8.1(1) through 5601.8.1(3). The classification and the weight of the *explosives* are primary characteristics governing the use of these tables. The net *explosive* weight shall be determined in accordance with Sections 5601.8.1.1 through 5601.8.1.4.

TABLE 5601.8.1(1)
APPLICATION OF SEPARATION DISTANCE (Q-D) TABLES—DIVISION 1.1, 1.2 AND 1.5 EXPLOSIVES ^{a, b, c}

ITEM	MAGAZINE	Q-D	OPERATING BUILDING	Q-D	INHABITED BUILDING	Q-D	PUBLIC TRAFFIC ROUTE	Q-D
Magazine	Table 5604.5.2(1)	IMD	Table 5605.3	ILD or IPD	Table 5604.5.2(1)	IBD	Table 5604.5.2(1)	PTR
Operating building	Table 5604.5.2(1)	ILD or IPD	Table 5605.3	ILD or IPD	Table 5604.5.2(1)	IBD	Table 5604.5.2(1)	PTR
Inhabited building	Table 5604.5.2(1)	IBD	Table 5604.5.2(1)	IBD	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Public traffic route	Table 5604.5.2(1)	PTR	Table 5604.5.2(1)	PTR	Not Applicable	Not Applicable	Not Applicable	Not Applicable

For SI: 1 foot = 304.8 mm.

- The minimum separation distance (D_0) shall be 60 feet. Where a building or magazine containing explosives is barricaded, the minimum distance shall be 30 feet.
- Linear interpolation between tabular values in the referenced Q-D tables shall not be allowed. Nonlinear interpolation of the values shall be allowed subject to an approved technical opinion and report prepared in accordance with Section 104.7.2.
- For definitions of Quantity-Distance abbreviations IBD, ILD, IMD, IPD and PTR, see Chapter 2.

TABLE 5601.8.1(2)
APPLICATION OF SEPARATION DISTANCE (Q-D) TABLES—DIVISION 1.3 EXPLOSIVES ^{a, b, c}

ITEM	MAGAZINE	Q-D	OPERATING BUILDING	Q-D	INHABITED BUILDING	Q-D	PUBLIC TRAFFIC ROUTE	Q-D
Magazine	Table 5604.5.2(2)	IMD	Table 5604.5.2(2)	ILD or IPD	Table 5604.5.2(2)	IBD	Table 5604.5.2(2)	PTR
Operating building	Table 5604.5.2(2)	ILD or IPD	Table 5604.5.2(2)	ILD or IPD	Table 5604.5.2(2)	IBD	Table 5604.5.2(2)	PTR
Inhabited building	Table 5604.5.2(2)	IBD	Table 5604.5.2(2)	IBD	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Public traffic route	Table 5604.5.2(2)	PTR	Table 5604.5.2(2)	PTR	Not Applicable	Not Applicable	Not Applicable	Not Applicable

For SI: 1 foot = 304.8 mm.

- The minimum separation distance (D_0) shall be not less than 50 feet.

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- b. Linear interpolation between tabular values in the referenced Q-D table shall be allowed.
- c. For definitions of Quantity-Distance abbreviations IBD, ILD, IMD, IPD and PTR, see [Chapter 2](#).

TABLE 5601.8.1(3)
APPLICATION OF SEPARATION DISTANCE (Q-D) TABLES—DIVISION 1.4 EXPLOSIVES a, b, c, d

ITEM	MAGAZINE	Q-D	OPERATING BUILDING	Q-D	INHABITED BUILDING	Q-D	PUBLIC TRAFFIC ROUTE	Q-D
Magazine	Table 5604.5.2(3)	IMD	Table 5604.5.2(3)	ILD or IPD	Table 5604.5.2(3)	IBD	Table 5604.5.2(3)	PTR
Operating building	Table 5604.5.2(3)	ILD or IPD	Table 5604.5.2(3)	ILD or IPD	Table 5604.5.2(3)	IBD	Table 5604.5.2(3)	PTR
Inhabited building	Table 5604.5.2(3)	IBD	Table 5604.5.2(3)	IBD	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Public traffic route	Table 5604.5.2(3)	PTR	Table 5604.5.2(3)	PTR	Not Applicable	Not Applicable	Not Applicable	Not Applicable

For SI: 1 foot = 304.8 mm.

- a. The minimum separation distance (D_o) shall be not less than 50 feet.
- b. Linear interpolation between tabular values in the referenced Q-D table shall not be allowed.
- c. For definitions of Quantity-Distance abbreviations IBD, ILD, IMD, IPD and PTR, see [Chapter 2](#).
- d. This table shall not apply to consumer fireworks, 1.4G.

5601.8.1.1 Mass-detonating explosives (Division 1.1, 1.2 or 1.5).

The total net *explosive* weight of mass-detonating explosives (Division 1.1, 1.2 or 1.5) shall be used. See [Table 5604.5.2\(1\)](#) or [Table 5605.3](#) as appropriate.

Exception: Where the TNT equivalence of the *explosive material* has been determined, the equivalence is allowed to be used to establish the net *explosive* weight.

5601.8.1.2 Nonmass-detonating explosives (excluding Division 1.4).

Nonmass-detonating *explosives* (excluding Division 1.4) shall be as follows:

1. Division 1.3 propellants. The total weight of the propellants alone shall be the net *explosive* weight. The net weight of propellant shall be used. See [Table 5604.5.2\(2\)](#).
2. Combinations of bulk metal powder and pyrotechnic compositions. The sum of the net weights of metal powders and pyrotechnic compositions in the containers shall be the net *explosive* weight. See [Table 5604.5.2\(2\)](#).

5601.8.1.3 Combinations of mass-detonating and nonmass-detonating explosives (excluding Division 1.4).

Combination of mass-detonating and nonmass-detonating *explosives* (excluding Division 1.4) shall be as follows:

1. Where Division 1.1 and 1.2 *explosives* are located in the same site, determine the distance for the total quantity considered first as 1.1 and then as 1.2. The required distance is the greater of the two. Where the Division 1.1 requirements are controlling and the TNT equivalence of the 1.2 is known, the TNT equivalent weight of the 1.2 items shall be allowed to be added to the total *explosive* weight of Division 1.1 items to determine the net *explosive* weight for Division 1.1 distance determination. See [Table 5604.5.2\(2\)](#) or [Table 5605.3](#) as appropriate.
2. Where Division 1.1 and 1.3 *explosives* are located in the same site, determine the distances for the total quantity considered first as 1.1 and then as 1.3. The required distance is the greater of the two. Where the Division 1.1 requirements are controlling and the TNT equivalence of the 1.3 is known, the TNT equivalent weight of the 1.3 items shall be allowed to be added to the total *explosive* weight of Division 1.1 items to determine the net *explosive* weight for Division 1.1 distance determination. See [Table 5604.5.2\(1\)](#), [5604.5.2\(2\)](#) or [5605.3](#), as appropriate.
3. Where Division 1.1, 1.2 and 1.3 *explosives* are located in the same site, determine the distances for the total quantity considered first as 1.1, next as 1.2 and finally as 1.3. The required distance is the greatest of the three. As allowed by paragraphs 1 and 2 above, TNT equivalent weights for 1.2 and 1.3 items are allowed to be used to

determine the net weight of *explosives* for Division 1.1 distance determination. Table 5604.5.2(1) or 5605.3 shall be used where TNT equivalency is used to establish the net *explosive* weight.

4. For composite pyrotechnic items Division 1.1 and Division 1.3, the sum of the net weights of the pyrotechnic composition and the *explosives* involved shall be used. See Tables 5604.5.2(1) and 5604.5.2(2).

5601.8.1.4 Moderate fire—no blast hazards (Division 1.4).

For Division 1.4 explosives, the total weight of the explosive material alone is the net weight. The net weight of the explosive material shall be used.

CHAPTER 56 EXPLOSIVES AND FIREWORKS

5602.1 Definitions.

The following terms are defined in [Chapter 2](#):

AMMONIUM NITRATE.

BARRICADE.

Artificial barricade.

Natural barricade.

BARRICADED.

BLAST AREA.

BLAST SITE.

BLASTER.

BLASTING AGENT.

BULLET RESISTANT.

DETONATING CORD.

DETONATION.

DETONATOR.

DISCHARGE SITE.

DISPLAY OPERATOR.

DISPLAY OPERATOR'S LICENSE.

DISPLAY SITE.

EXPLOSIVE.

High explosive.

Low explosive.

Mass-detonating explosives.

UN/DOTn Class 1 explosives.

Division 1.1.

Division 1.2.

Division 1.3.

Division 1.4.

Division 1.5.

Division 1.6.

EXPLOSIVE MATERIAL.

FALLOUT AREA.

FIREWORKS.

Fireworks, 1.4G.

Fireworks, 1.3G.

FIREWORKS DISPLAY.

HIGHWAY.

INHABITED BUILDING.

MAGAZINE.

Indoor.

Type 1.

Type 2.

Type 3.

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Type 4.

Type 5.

MORTAR.

NET EXPLOSIVE WEIGHT (net weight).

OPERATING BUILDING.

OPERATING LINE.

PLOSOPHORIC MATERIAL.

PROXIMATE AUDIENCE.

PUBLIC TRAFFIC ROUTE (PTR).

PYROTECHNIC ARTICLE.

PYROTECHNIC COMPOSITION.

PYROTECHNIC SPECIAL EFFECT.

PYROTECHNIC SPECIAL-EFFECT MATERIAL.

PYROTECHNICS.

QUANTITY-DISTANCE (Q-D).

Inhabited building distance (IBD).

Intermagazine distance (IMD).

Intraline distance (ILD) or Intraplant distance (IPD).

Minimum separation distance (D_o).

RAILWAY.

READY BOX.

SMALL ARMS AMMUNITION.

SMALL ARMS PRIMERS.

SMOKELESS PROPELLANTS.

SPECIAL INDUSTRIAL EXPLOSIVE DEVICE.

THEFT RESISTANT.

CHAPTER 56 EXPLOSIVES AND FIREWORKS

**SECTION 5603
RECORD KEEPING AND REPORTING**

5603.1 General.

Records of the receipt, handling, use or disposal of *explosive materials*, and reports of any accidents, thefts or unauthorized activities involving *explosive materials* shall conform to the requirements of this section.

5603.2 Transaction record.

The permittee shall maintain a record of all transactions involving receipt, removal, use or disposal of *explosive materials*. Such records shall be maintained for a period of 5 years.

Exception: Where only Division 1.4G (consumer fireworks) are handled, records need only be maintained for a period of 3 years.

5603.3 Loss, theft or unauthorized removal.

The loss, theft or unauthorized removal of *explosive materials* from a magazine or permitted facility shall be reported to the *fire code official*, local law enforcement authorities and the U.S. Department of Treasury, Bureau of Alcohol, Tobacco, Firearms and Explosives within 24 hours.

Exception: Loss of Division 1.4G (consumer fireworks) need not be reported to the Bureau of Alcohol, Tobacco, Firearms and Explosives.

5603.4 Accidents.

Accidents involving the use of *explosives*, *explosive materials* and fireworks that result in injuries or property damage shall be reported to the *fire code official* immediately.

5603.5 Misfires.

The pyrotechnic display operator or blaster in charge shall keep a record of all aerial shells that fail to fire or charges that fail to detonate.

5603.6 Hazard communication.

Manufacturers of *explosive materials* and fireworks shall maintain records of chemicals, chemical compounds and mixtures required by DOL 29 CFR Part 1910.1200, and Section 407.

5603.7 Safety rules.

Current safety rules covering the operation of magazines, as described in Section 5604.7, shall be posted on the interior of the magazine in a visible location.

CHAPTER 56 EXPLOSIVES AND FIREWORKS

SECTION 5604 EXPLOSIVE MATERIALS STORAGE AND HANDLING

5604.1 General.

Storage of *explosives* and *explosive materials*, small arms ammunition, small arms primers, propellant-actuated cartridges and smokeless propellants in magazines shall comply with the provisions of this section.

5604.2 Magazine required.

Explosives and *explosive materials*, and Division 1.3G fireworks shall be stored in magazines constructed, located, operated and maintained in accordance with the provisions of [Section 5604](#) and [NFPA 495](#) or [NFPA 1124](#).

Exceptions:

1. Storage of fireworks at display sites in accordance with [Section 5608.5](#) and [NFPA 1123](#) or [NFPA 1126](#).
2. Portable or mobile magazines not exceeding 120 square feet (11 m²) in area shall not be required to comply with the requirements of the [International Building Code](#).

5604.3 Magazines.

The storage of *explosives* and *explosive materials* in magazines shall comply with [Table 5604.3](#).

TABLE 5604.3
STORAGE AMOUNTS AND MAGAZINE REQUIREMENTS FOR EXPLOSIVES, EXPLOSIVE MATERIALS AND FIREWORKS, 1.3G
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA

NEW UN/ DOTn DIVISION	OLD DOTn CLASS	ATF/OSHA CLASS	INDOOR ^a (pounds)				OUTDOOR (pounds)	MAGAZINE TYPE REQUIRED				
			Unprotected	Cabinet	Sprinklers	Sprinklers & cabinet		1	2	3	4	5
1.1 ^b	A	High	0	0	1	2	1	X	X	X	—	—
1.2	A	High	0	0	1	2	1	X	X	X	—	—
1.2	B	Low	0	0	1	1	1	X	X	X	X	—
1.3	B	Low	0	0	5	10	1	X	X	X	X	—
1.4 ^c	B	Low	0	0	50	100	1	X	X	X	X	—
1.5	C	Low	0	0	1	2	1	X	X	X	X	—
1.5	Blasting Agent	Blasting Agent	0	0	1	2	1	X	X	X	X	X
1.6	Not Applicable	Not Applicable	0	0	1	2	1	X	X	X	X	X

For SI: 1 pound = 0.454 kg, 1 pound per gallon = 0.12 kg per liter, 1 ounce = 28.35 g.

- a. A factor of 10 pounds per gallon shall be used for converting pounds (solid) to gallons (liquid) in accordance with [Section 5003.1.2](#).
- b. Black powder shall be stored in a Type 1, 2, 3 or 4 magazine as provided for in [Section 5604.3.1](#).
- c. This table shall not apply to consumer fireworks, 1.4G.

5604.3.1 High explosives.

Explosive materials classified as Division 1.1 or 1.2 or formerly classified as Class A by the U.S. Department of Transportation shall be stored in Type 1, 2 or 3 magazines.

Exceptions:

1. Black powder shall be stored in a Type 1, 2, 3 or 4 magazine.
2. Cap-sensitive *explosive material* that is demonstrated not to be bullet sensitive shall be stored in a Type 1, 2, 3, 4 or 5 magazine.

5604.3.2 Low explosives.

Explosive materials that are not cap sensitive shall be stored in a Type 1, 2, 3, 4 or 5 magazine.

5604.3.3 Detonating cord.

For quantity and distance purposes, detonating cord of 50 grains per foot shall be calculated as equivalent to 8 pounds (4 kg) of high *explosives* per 1,000 feet (305 m). Heavier or lighter core loads shall be rated proportionally.

5604.4 Prohibited storage.

Detonators shall be stored in a separate magazine for blasting supplies and shall not be stored in a magazine with other *explosive materials*.

The use of magazines for storage of *explosives* and *explosive materials* shall comply with Sections 5604.5.1 through 5604.5.3.3.

5604.5.1 Indoor magazines.

The use of indoor magazines for storage of *explosives* and *explosive materials* shall comply with the requirements of Sections 5604.5.1.1 through 5604.5.1.7.

5604.5.1.1 Use.

The use of indoor magazines for storage of *explosives* and *explosive materials* shall be limited to occupancies of Group F, H, M or S, and research and development laboratories.

5604.5.1.2 Construction.

Indoor magazines shall comply with the following construction requirements:

- 1. Construction shall be fire resistant and theft resistant.
- 2. Exterior shall be painted red.
- 3. Base shall be fitted with wheels, casters or rollers to facilitate removal from the building in an emergency.
- 4. Lid or door shall be marked with conspicuous white lettering not less than 3 inches (76 mm) high and minimum 1/2 inch (12.7 mm) stroke, reading EXPLOSIVES—KEEP FIRE AWAY.
- 5. The least horizontal dimension shall not exceed the clear width of the entrance door.

5604.5.1.3 Quantity limit.

Not more than 50 pounds (23 kg) of *explosives* or *explosive materials* shall be stored within an indoor magazine.

Exception: Day boxes used for the storage of in-process material in accordance with Section 5605.6.4.1.

5604.5.1.4 Prohibited use.

Indoor magazines shall not be used within buildings containing Group R occupancies.

5604.5.1.5 Location.

Indoor magazines shall be located within 10 feet (3048 mm) of an entrance and only on floors at or having ramp access to the exterior grade level.

5604.5.1.6 Number.

Not more than two indoor magazines shall be located in the same building. Where two such magazines are located in the same building, one magazine shall be used solely for the storage of not more than 5,000 detonators.

5604.5.1.7 Separation distance.

Where two magazines are located in the same building, they shall be separated by a distance of not less than 10 feet (3048 mm).

5604.5.2 Outdoor magazines.

Outdoor magazines other than Type 3 shall be located so as to comply with Table 5604.5.2(2) or 5604.5.2(3) as set forth in Tables 5601.8.1(1) through 5601.8.1(3). Where a magazine or group of magazines, as described in Section 5604.5.2.2, contains different classes of *explosive materials*, and Division 1.1 materials are present, the required separations for the magazine or magazine group as a whole shall comply with Table 5604.5.2(2).

TABLE 5604.5.2(1)
AMERICAN TABLE OF DISTANCES FOR STORAGE OF EXPLOSIVES AS APPROVED BY THE INSTITUTE OF MAKERS OF
EXPLOSIVES AND REVISED JUNE 1991^a

QUANTITY OF EXPLOSIVE MATERIALS ^c		DISTANCES IN FEET							
		Inhabited buildings		Public highways with traffic volume less than 3,000 vehicles per day		Public highways with traffic volume greater than 3,000 vehicles per day and passenger railways		Separation of magazines ^d	
Pounds over	Pounds not over	Barricade d	Unbarricade d	Barricade d	Unbarricade d	Barricade d	Unbarricade d	Barricade d	Unbarricade d
0	5	70	140	30	60	51	102	6	12
5	10	90	180	35	70	64	128	8	16
10	20	110	220	45	90	81	162	10	20
20	30	125	250	50	100	93	186	11	22
30	40	140	280	55	110	103	206	12	24
40	50	150	300	60	120	110	220	14	28
50	75	170	340	70	140	127	254	15	30
75	100	190	380	75	150	139	278	16	32
100	125	200	400	80	160	150	300	18	36
125	150	215	430	85	170	159	318	19	38
150	200	235	470	95	190	175	350	21	42
200	250	255	510	105	210	189	378	23	46

250	300	270	540	110	220	201	402	24	48
300	400	295	590	120	240	221	442	27	54
400	500	320	640	130	260	238	476	29	58
500	600	340	680	135	270	253	506	31	62
600	700	355	710	145	290	266	532	32	64
700	800	375	750	150	300	278	556	33	66
800	900	390	780	155	310	289	578	35	70
900	1,000	400	800	160	320	300	600	36	72
1,000	1,200	425	850	165	330	318	636	39	78
1,200	1,400	450	900	170	340	336	672	41	82
1,400	1,600	470	940	175	350	351	702	43	86
1,600	1,800	490	980	180	360	366	732	44	88
1,800	2,000	505	1,010	185	370	378	756	45	90
2,000	2,500	545	1,090	190	380	408	816	49	98
2,500	3,000	580	1,160	195	390	432	864	52	104
3,000	4,000	635	1,270	210	420	474	948	58	116
4,000	5,000	685	1,370	225	450	513	1,026	61	122
5,000	6,000	730	1,460	235	470	546	1,092	65	130
6,000	7,000	770	1,540	245	490	573	1,146	68	136
7,000	8,000	800	1,600	250	500	600	1,200	72	144
8,000	9,000	835	1,670	255	510	624	1,248	75	150
9,000	10,000	865	1,730	260	520	645	1,290	78	156
10,000	12,000	875	1,750	270	540	687	1,374	82	164
12,000	14,000	885	1,770	275	550	723	1,446	87	174
14,000	16,000	900	1,800	280	560	756	1,512	90	180
16,000	18,000	940	1,880	285	570	786	1,572	94	188
18,000	20,000	975	1,950	290	580	813	1,626	98	196
20,000	25,000	1,055	2,000	315	630	876	1,752	105	210
25,000	30,000	1,130	2,000	340	680	933	1,866	112	224
30,000	35,000	1,205	2,000	360	720	981	1,962	119	238
35,000	40,000	1,275	2,000	380	760	1,026	2,000	124	248
40,000	45,000	1,340	2,000	400	800	1,068	2,000	129	258
45,000	50,000	1,400	2,000	420	840	1,104	2,000	135	270
50,000	55,000	1,460	2,000	440	880	1,140	2,000	140	280
55,000	60,000	1,515	2,000	455	910	1,173	2,000	145	290
60,000	65,000	1,565	2,000	470	940	1,206	2,000	150	300
65,000	70,000	1,610	2,000	485	970	1,236	2,000	155	310
70,000	75,000	1,655	2,000	500	1,000	1,263	2,000	160	320
75,000	80,000	1,695	2,000	510	1,020	1,293	2,000	165	330
80,000	85,000	1,730	2,000	520	1,040	1,317	2,000	170	340
85,000	90,000	1,760	2,000	530	1,060	1,344	2,000	175	350
90,000	95,000	1,790	2,000	540	1,080	1,368	2,000	180	360
95,000	100,000	1,815	2,000	545	1,090	1,392	2,000	185	370
100,000	110,000	1,835	2,000	550	1,100	1,437	2,000	195	390
110,000	120,000	1,855	2,000	555	1,110	1,479	2,000	205	410
120,000	130,000	1,875	2,000	560	1,120	1,521	2,000	215	430
130,000	140,000	1,890	2,000	565	1,130	1,557	2,000	225	450
140,000	150,000	1,900	2,000	570	1,140	1,593	2,000	235	470
150,000	160,000	1,935	2,000	580	1,160	1,629	2,000	245	490
160,000	170,000	1,965	2,000	590	1,180	1,662	2,000	255	510
170,000	180,000	1,990	2,000	600	1,200	1,695	2,000	265	530
180,000	190,000	2,010	2,010	605	1,210	1,725	2,000	275	550
190,000	200,000	2,030	2,030	610	1,220	1,755	2,000	285	570
200,000	210,000	2,055	2,055	620	1,240	1,782	2,000	295	590
210,000	230,000	2,100	2,100	635	1,270	1,836	2,000	315	630
230,000	250,000	2,155	2,155	650	1,300	1,890	2,000	335	670
250,000	275,000	2,215	2,215	670	1,340	1,950	2,000	360	720
275,000	300,000 ^b	2,275	2,275	690	1,380	2,000	2,000	385	770

For SI: 1 foot = 304.8 mm, 1 pound = 0.454 kg.

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fireworks#NCFC2018P2 Pt05 Ch56 Sec5604

- a. This table applies only to the manufacture and permanent storage of commercial explosive materials. It is not applicable to transportation of explosives or any handling or temporary storage necessary or incident thereto. It is not intended to apply to bombs, projectiles or other heavily encased explosives.
- b. Storage in excess of 300,000 pounds of explosive materials in one magazine is not allowed.
- c. Where a manufacturing building on an explosive materials plant site is designed to contain explosive materials, such building shall be located with respect to its proximity to inhabited buildings, public highways and passenger railways based on the maximum quantity of explosive materials permitted to be in the building at one time.
- d. Where two or more storage magazines are located on the same property, each magazine shall comply with the minimum distances specified from inhabited buildings, railways and highways, and, in addition, they should be separated from each other by not less than the distances shown for separation of magazines, except that the quantity of explosives in detonator magazines shall govern in regard to the spacing of said detonator magazines from magazines containing other explosive materials. Where any two or more magazines are separated from each other by less than the specified separation of magazines distances, then two or more such magazines, as a group, shall be considered as one magazine, and the total quantity of explosive materials stored in such group shall be treated as if stored in a single magazine located on the site of any magazine in the group and shall comply with the minimum distances specified from other magazines, inhabited buildings, railways and highways.

TABLE 5604.5.2(2)
TABLE OF DISTANCES (Q-D) FOR BUILDINGS AND MAGAZINES CONTAINING EXPLOSIVES—DIVISION 1.3 MASS-FIRE
HAZARD^{a, b, c}

QUANTITY OF DIVISION 1.3 EXPLOSIVES (NET EXPLOSIVES WEIGHT)		DISTANCES IN FEET			
Pounds over	Pounds not over	Inhabited Building Distance (IBD)	Distance to Public Traffic Route (PTR)	Intermagazine Distance (IMD)	Intraline Distance (ILD) or Intraplant Distance (IPD)
0	1,000	75	75	50	50
1,000	5,000	115	115	75	75
5,000	10,000	150	150	100	100
10,000	20,000	190	190	125	125
20,000	30,000	215	215	145	145
30,000	40,000	235	235	155	155
40,000	50,000	250	250	165	165
50,000	60,000	260	260	175	175
60,000	70,000	270	270	185	185
70,000	80,000	280	280	190	190
80,000	90,000	295	295	195	195
90,000	100,000	300	300	200	200
100,000	200,000	375	375	250	250
200,000	300,000	450	450	300	300

For SI: 1 foot = 304.8 mm, 1 pound = 0.454 kg

- a. Black powder, when stored in magazines, is defined as low explosive by the Bureau of Alcohol, Tobacco, Firearms and Explosives (BATF).
- b. For quantities less than 1,000 pounds, the required distances are those specified for 1,000 pounds. The use of lesser distances is allowed where supported by approved test data and/or analysis.
- c. Linear interpolation of explosive quantities between table entries is allowed.

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TABLE 5604.5.2(3)

TABLE OF DISTANCES (Q-D) FOR BUILDINGS AND MAGAZINES CONTAINING EXPLOSIVES—DIVISION 1.4^c

>QUANTITY OF DIVISION 1.4 EXPLOSIVES (NET EXPLOSIVES WEIGHT)		DISTANCES IN FEET			
Pounds over	Pounds not over	Inhabited Building Distance (IBD)	Distance to Public Traffic Route (PTR)	Intermagazine Distance ^{a, b} (IMD)	Intraline Distance (ILD) or Intraplant Distance ^a (IPD)
50	Not Limited	100	100	50	50

For SI: 1 foot = 304.8 mm, 1 pound = 0.454 kg.

- a. A separation distance of 100 feet is required for buildings of other than Type I or Type II construction as defined in the *International Building Code*.
- b. For earth-covered magazines, specific separation is not required.
 1. Earth cover material used for magazines shall be relatively cohesive. Solid or wet clay and similar types of soil are too cohesive and shall not be used. Soil shall be free from unsanitary organic matter, trash, debris and stones heavier than 10 pounds or larger than 6 inches in diameter. Compaction and surface preparation shall be provided, as necessary, to maintain structural integrity and avoid erosion. Where cohesive material cannot be used, as in sandy soil, the earth cover over magazines shall be finished with a suitable material to ensure structural integrity.
 2. The earth fill or earth cover between earth-covered magazines shall be either solid or sloped, in accordance with the requirements of other construction features, but not less than 2 feet of earth cover shall be maintained over the top of each magazines. To reduce erosion and facilitate maintenance operations, the cover shall have a slope of 2 horizontal to 1 vertical.
- c. Restricted to articles, including articles packaged for shipment, that are not regulated as an explosive under Bureau of Alcohol, Tobacco, Firearms and Explosives regulations, or unpacked articles used in process operations that do not propagate a detonation or deflagration between articles. This table shall not apply to consumer fireworks, 1.4G.

5604.5.2.1 Separation.

Where two or more storage magazines are located on the same property, each magazine shall comply with the minimum distances specified from inhabited buildings, public transportation routes and operating buildings. Magazines shall be separated from each other by not less than the intermagazine distances (IMD) shown for the separation of magazines.

5604.5.2.2 Grouped magazines.

Where two or more magazines are separated from each other by less than the intermagazine distances (IMD), such magazines as a group shall be considered as one magazine and the total quantity of *explosive materials* stored in the group shall be treated as if stored in a single magazine. The location of the group of magazines shall comply with the intermagazine distances (IMD) specified from other magazines or magazine groups, inhabited buildings (IBD), public transportation routes (PTR) and operating buildings (ILD or IPD) as required.

5604.5.3 Special requirements for Type 3 magazines.

Type 3 magazines shall comply with Sections 5604.5.3.1 through 5604.5.3.3.

5604.5.3.1 Location.

Wherever practicable, Type 3 magazines shall be located away from neighboring inhabited buildings, railways, highways and other magazines in accordance with Table 5604.5.2(2) or 5604.5.2(3) as applicable.

5604.5.3.2 Supervision.

Type 3 magazines shall be attended when *explosive materials* are stored within. *Explosive materials* shall be removed to appropriate storage magazines for unattended storage at the end of the work day.

5604.5.3.3 Use.

Not more than two Type 3 magazines shall be located at the same blasting site. Where two Type 3 magazines are located at the same blasting site, one magazine shall be used solely for the storage of detonators.

5604.6 Construction.

Magazines shall be constructed in accordance with Sections 5604.6.1 through 5604.6.5.2.

5604.6.1 Drainage.

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The ground around a magazine shall be graded so that water drains away from the magazine.

5604.6.2 Heating.

Magazines requiring heat shall be heated as prescribed in [NFPA 495](#) by either hot water radiant heating within the magazine or by indirect warm air heating.

5604.6.3 Lighting.

Where lighting is necessary within a magazine, electric safety flashlights or electric safety lanterns shall be used, except as provided in [NFPA 495](#).

5604.6.4 Nonsparking materials.

In other than Type 5 magazines, there shall not be exposed ferrous metal on the interior of a magazine containing packages of *explosives*.

5604.6.5 Signs and placards.

Property upon which Type 1 magazines and outdoor magazines of Types 2, 4 and 5 are located shall be posted with signs stating: EXPLOSIVES—KEEP OFF. These signs shall be of contrasting colors with a minimum letter height of 3 inches (76 mm) with a minimum brush stroke of 1/2 inch (12.7 mm). The signs shall be located to minimize the possibility of a bullet shot at the sign hitting the magazine.

5604.6.5.1 Access road signs.

At the entrance to *explosive* material manufacturing and storage sites, all access roads shall be posted with the following warning sign or other *approved* sign:

DANGER!
NEVER FIGHT EXPLOSIVE FIRES.
EXPLOSIVES ARE STORED ON THIS SITE
CALL ____.

The sign shall be weather-resistant with a reflective surface and have lettering not less than 2 inches (51 mm) high.

5604.6.5.2 Placards.

Type 5 magazines containing Division 1.5 blasting agents shall be prominently placarded as required during transportation by [DOT](#) [49 CFR Part 172](#) and [DOT](#) [27 CFR Part 55](#).

5604.7 Operation.

Magazines shall be operated in accordance with [Sections 5604.7.1](#) through [5604.7.9](#).

5604.7.1 Security.

Magazines shall be kept locked in the manner prescribed in [NFPA 495](#) at all times except during placement or removal of *explosives* or inspection.

5604.7.2 Open flames and lights.

Smoking, matches, flame-producing devices, open flames, firearms and firearms cartridges shall not be allowed inside of or within 50 feet (15 240 mm) of magazines.

5604.7.3 Brush.

The area located around a magazine shall be kept clear of brush, dried grass, leaves, trash, debris and similar combustible materials for a distance of 25 feet (7620 mm).

5604.7.4 Combustible storage.

Combustible materials shall not be stored within 50 feet (15 240 mm) of magazines.

5604.7.5 Unpacking and repacking explosive materials.

Containers of *explosive materials*, except fiberboard containers, and packages of damaged or deteriorated *explosive materials* or fireworks shall not be unpacked or repacked inside or within 50 feet (15 240 mm) of a magazine or in close proximity to other *explosive materials*.

5604.7.5.1 Storage of opened packages.

Packages of *explosive materials* that have been opened shall be closed before being placed in a magazine.

5604.7.5.2 Nonsparking tools.

Tools used for the opening and closing of packages of *explosive materials*, other than metal slitters for opening paper, plastic or fiberboard containers, shall be made of nonsparking materials.

5604.7.5.3 Disposal of packaging.

Empty containers and paper and fiber packaging materials that previously contained *explosive materials* shall be disposed of or reused in a *approved* manner.

5604.7.6 Tools and equipment.

Metal tools, other than nonferrous transfer conveyors and ferrous metal conveyor stands protected by a coat of paint, shall not be stored in a magazine containing *explosive materials* or detonators.

5604.7.7 Contents.

Magazines shall be used exclusively for the storage of *explosive materials*, blasting materials and blasting accessories.

5604.7.8 Compatibility.

Corresponding grades and brands of *explosive materials* shall be stored together and in such a manner that the grade and brand marks are visible. Stocks shall be stored so as to be easily counted and checked. Packages of *explosive materials* shall be stacked in a stable manner not exceeding 8 feet (2438 mm) in height.

5604.7.9 Stock rotation.

When *explosive material* is removed from a magazine for use, the oldest usable stocks shall be removed first.

5604.8 Maintenance.

Maintenance of magazines shall comply with Sections 5604.8.1 through 5604.8.3.

5604.8.1 Housekeeping.

Magazine floors shall be regularly swept and be kept clean, dry and free of grit, paper, empty packages and rubbish. Brooms and other cleaning utensils shall not have any spark-producing metal parts. Sweepings from magazine floors shall be disposed of in accordance with the manufacturers' *approved* instructions.

5604.8.2 Repairs.

Explosive materials shall be removed from the magazine before making repairs to the interior of a magazine. *Explosive materials* shall be removed from the magazine before making repairs to the exterior of the magazine where there is a possibility of causing a fire. *Explosive materials* removed from a magazine under repair shall either be placed in another magazine or placed a safe distance from the magazine, where they shall be properly guarded and protected until repairs have been completed. Upon completion of repairs, the *explosive materials* shall be promptly returned to the magazine. Floors shall be cleaned before and after repairs.

5604.8.3 Floors.

Magazine floors stained with liquid shall be dealt with in accordance with instructions obtained from the manufacturer of the *explosive material* stored in the magazine.

5604.9 Inspection.

Magazines containing *explosive materials* shall be opened and inspected at maximum seven-day intervals. The inspection shall determine whether there has been an unauthorized or attempted entry into a magazine or an unauthorized removal of a magazine or its contents.

5604.10 Disposal of explosive materials.

Explosive materials shall be disposed of in accordance with Sections 5604.10.1 through 5604.10.7.

5604.10.1 Notification.

The *fire code official* shall be notified immediately where deteriorated or leaking *explosive materials* are determined to be dangerous or unstable and in need of disposal.

5604.10.2 Deteriorated materials.

Where an *explosive material* has deteriorated to an extent that it is in an unstable or dangerous condition, or when a liquid has leaked from an *explosive material*, the person in possession of such material shall immediately contact the material's manufacturer to obtain disposal and handling instructions.

5604.10.3 Qualified person.

The work of destroying *explosive materials* shall be directed by persons experienced in the destruction of *explosive materials*.

5604.10.4 Storage of misfires.

Explosive materials and fireworks recovered from blasting or display misfires shall be placed in a magazine until an experienced person has determined the proper method for disposal.

5604.10.5 Disposal sites.

Sites for the destruction of *explosive materials* and fireworks shall be *approved* and located at the maximum practicable safe distance from inhabited buildings, public highways, operating buildings and all other exposures to ensure keeping air blast and ground vibration to a minimum. The location of disposal sites shall not be closer to magazines, inhabited buildings, railways, highways and other rights-of-way than is allowed by Tables 5604.5.2(1), 5604.5.2(2) and 5604.5.2(3). Where possible, *barricades* shall be utilized between the destruction site and inhabited buildings. Areas where *explosives* are detonated or burned shall be posted with adequate warning signs.

5604.10.6 Reuse of site.

Unless an *approved* burning site has been thoroughly saturated with water and has passed a safety inspection, 48 hours shall elapse between the completion of a burn and the placement of scrap *explosive materials* for a subsequent burn.

5604.10.7 Personnel safeguards.

Once an *explosive* burn operation has been started, personnel shall relocate to a safe location where adequate protection from air blast and flying debris is provided. Personnel shall not return to the burn area until the person in charge has inspected the burn site and determined that it is safe for personnel to return.

CHAPTER 56 EXPLOSIVES AND FIREWORKS**SECTION 5605
MANUFACTURE, ASSEMBLY AND
TESTING OF EXPLOSIVES, EXPLOSIVE
MATERIALS AND FIREWORKS****5605.1 General.**

The manufacture, assembly and testing of *explosives*, ammunition, blasting agents and fireworks shall comply with the requirements of this section and [NFPA 495](#) or [NFPA 1124](#).

Exceptions:

1. The hand loading of small arms ammunition prepared for personal use and not offered for resale.
2. The mixing and loading of blasting agents at blasting sites in accordance with [NFPA 495](#).
3. The use of binary *explosives* or phosphoric materials in blasting or pyrotechnic special effects applications in accordance with [NFPA 495](#) or [NFPA 1126](#).

5605.2 Emergency planning and preparedness.

Emergency plans, emergency drills, employee training and hazard communication shall conform to the provisions of this section and [Sections 404, 405, 406 and 407](#).

5605.2.1 Hazardous Materials Management Plans and Inventory Statements required.

Detailed Hazardous Materials Management Plans (HMMP) and Hazardous Materials Inventory Statements (HMIS) complying with the requirements of [Section 407](#) shall be prepared and submitted to the local emergency planning committee, the *fire code official* and the local fire department.

5605.2.2 Maintenance of plans.

A copy of the required HMMP and HMIS shall be maintained on site and furnished to the *fire code official* on request.

5605.2.3 Employee training.

Workers who handle *explosives* or *explosive* charges or dispose of *explosives* shall be trained in the hazards of the materials and processes in which they are to be engaged and with the safety rules governing such materials and processes.

5605.2.4 Emergency procedures.

Approved emergency procedures shall be formulated for each plant and shall include personal instruction in any anticipated emergency. Personnel shall be made aware of an emergency warning signal.

5605.3 Intraplant separation of operating buildings.

Explosives manufacturing buildings and fireworks manufacturing buildings, including those where *explosive* charges are assembled, manufactured, prepared or loaded utilizing Division 1.1, 1.2, 1.3, 1.4 or 1.5 *explosives*, shall be separated from all other buildings, including magazines, within the confines of the manufacturing plant, at a distance not less than those shown in [Table 5605.3](#) or [5604.5.2\(3\)](#), as appropriate.

Exception: Fireworks manufacturing buildings separated in accordance with [NFPA 1124](#).

The quantity of *explosives* in an operating building shall be the net weight of all *explosives* contained therein. Distances shall be based on the hazard division requiring the greatest separation, unless the aggregate *explosive* weight is divided by *approved* walls or shields designed for that purpose. Where dividing a quantity of *explosives* into smaller stacks, a suitable barrier or adequate separation distance shall be provided to prevent propagation from one stack to another.

Where distance is used as the sole means of separation within a building, such distance shall be established by testing. Testing shall demonstrate that propagation between stacks will not result. Barriers provided to protect against *explosive* effects shall be designed and installed in accordance with *approved* standards.

TABLE 5605.3

**MINIMUM INTRALINE (INTRAPLANT) SEPARATION DISTANCES (ILD OR IPD) BETWEEN BARRICADED
OPERATING BUILDINGS CONTAINING EXPLOSIVES—DIVISION 1.1, 1.2 OR 1.5 MASS-EXPLOSION HAZARD^a**

NET EXPLOSIVE WEIGHT		
Pounds over	Pounds not over	Intraline Distance (ILD) or Intraplant Distance (IPD) (feet)
0	50	30

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50	100	40
100	200	50
200	300	60
300	400	65
400	500	70
500	600	75
600	700	80
700	800	85
800	900	90
900	1,000	95
1,000	1,500	105
1,500	2,000	115
2,000	3,000	130
3,000	4,000	140
4,000	5,000	150
5,000	6,000	160
6,000	7,000	170
7,000	8,000	180
8,000	9,000	190
9,000	10,000	200
10,000	15,000	225
15,000	20,000	245
—	—	—
20,000	25,000	265
25,000	30,000	280
30,000	35,000	295
35,000	40,000	310
40,000	45,000	320
45,000	50,000	330
50,000	55,000	340
55,000	60,000	350
60,000	65,000	360
65,000	70,000	370
70,000	75,000	385
75,000	80,000	390
80,000	85,000	395
85,000	90,000	400
90,000	95,000	410
95,000	100,000	415
100,000	125,000	450
125,000	150,000	475
150,000	175,000	500
175,000	200,000	525
200,000	225,000	550
225,000	250,000	575
250,000	275,000	600
275,000	300,000	635

For SI: 1 foot = 304.8 mm, 1 pound = 0.454 kg.

- a. Where a building or magazine containing explosives is not barricaded, the intraline distances shown in this table shall be doubled.

5605.4 Separation of manufacturing operating buildings from inhabited buildings, public traffic routes and magazines.

Where an operating building on an *explosive* materials plant site is designed to contain *explosive* materials, such a

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Buildings shall be located away from inhabited buildings, public traffic routes and magazines in accordance with [Table 5604.5.2\(2\)](#) or [5604.5.2\(3\)](#) as appropriate, based on the maximum quantity of *explosive* materials permitted to be in the building at one time (see [Section 5601.8](#)).

Exception: Fireworks manufacturing buildings constructed and operated in accordance with [NFPA 1124](#).

5605.4.1 Determination of net explosive weight for operating buildings.

In addition to the requirements of [Section 5601.8](#) to determine the net *explosive* weight for materials stored or used in operating buildings, quantities of *explosive materials* stored in magazines located at distances less than intraline distances from the operating building shall be added to the contents of the operating building to determine the net *explosive* weight for the operating building.

5605.4.1.1 Indoor magazines.

The storage of *explosive materials* located in indoor magazines in operating buildings shall be limited to a net *explosive* weight not to exceed 50 pounds (23 kg).

5605.4.1.2 Outdoor magazines with a net explosive weight less than 50 pounds.

The storage of *explosive materials* in outdoor magazines located at less than intraline distances from operating buildings shall be limited to a net *explosive* weight not to exceed 50 pounds (23 kg).

5605.4.1.3 Outdoor magazines with a net explosive weight greater than 50 pounds.

The storage of *explosive materials* in outdoor magazines in quantities exceeding 50 pounds (23 kg) net *explosive* weight shall be limited to storage in outdoor magazines located not less than intraline distances from the operating building in accordance with [Section 5604.5.2](#).

5605.4.1.4 Net explosive weight of materials stored in combination indoor and outdoor magazines.

The aggregate quantity of *explosive materials* stored in any combination of indoor magazines or outdoor magazines located at less than the intraline distances from an operating building shall not exceed 50 pounds (23 kg).

5605.5 Buildings and equipment.

Buildings or rooms that exceed the *maximum allowable quantity per control area* of *explosive materials* shall be operated in accordance with this section and constructed in accordance with the requirements of the [International Building Code](#) for Group H occupancies.

Exception: Fireworks manufacturing buildings constructed and operated in accordance with [NFPA 1124](#).

5605.5.1 Explosives dust.

Explosives dust shall not be exhausted to the atmosphere.

5605.5.1.1 Wet collector.

When collecting *explosives* dust, a wet collector system shall be used. Wetting agents shall be compatible with the *explosives*. Collector systems shall be interlocked with process power supplies so that the process cannot continue without the collector systems also operating.

5605.5.1.2 Waste disposal and maintenance.

Explosives dust shall be removed from the collection chamber as often as necessary to prevent overloading. The entire system shall be cleaned at a frequency that will eliminate hazardous concentrations of *explosives* dust in pipes, tubing and ducts.

5605.5.2 Exhaust fans.

Squirrel cage blowers shall not be used for exhausting hazardous fumes, vapors or gases. Only nonferrous fan blades shall be used for fans located within the ductwork and through which hazardous materials are exhausted. Motors shall be located outside the duct.

5605.5.3 Work stations.

Work stations shall be separated by distance, barrier or other *approved* alternatives so that fire in one station will not ignite material in another work station. Where necessary, the operator shall be protected by a personnel shield located between the operator and the *explosive* device or *explosive material* being processed. This shield and its support shall be capable of withstanding a blast from the maximum amount of *explosives* allowed behind it.

5605.6 Operations.

Operations involving *explosives* shall comply with [Sections 5605.6.1](#) through [5605.6.10](#).

5605.6.1 Isolation of operations.

Where the type of material and processing warrants, mechanical operations involving *explosives* in excess of 1 pound (0.454 kg) shall be carried on at isolated stations or at intraplant distances, and machinery shall be controlled from remote locations behind *barricades* or at separations so that workers will be at a safe distance while machinery is operating.

5605.6.2 Static controls.

The work area where the screening, grinding, blending and other processing of static-sensitive *explosives* or pyrotechnic materials is done shall be provided with *approved* static controls.

5605.6.3 Approved containers.

Bulk *explosives* shall be kept in *approved*, nonsparking containers when not being used or processed. *Explosives* shall not be stored or transported in open containers.

5605.6.4 Quantity limits.

The quantity of *explosives* at any particular work station shall be limited to that posted on the load limit signs for the individual work station. The total quantity of *explosives* for multiple workstations shall not exceed that established by the intraplant distances in [Table 5605.3](#) or [5604.5.2\(3\)](#), as appropriate.

5605.6.4.1 Magazines.

Magazines used for storage in processing areas shall be in accordance with the requirements of [Section 5604.5.1](#). *Explosive materials* shall be removed to appropriate storage magazines for unattended storage at the end of the work day. The contents of indoor magazines shall be added to the quantity of *explosives* contained at individual workstations and the total quantity of material stored, processed or used shall be utilized to establish the intraplant separation distances indicated by [Table 5605.3](#) or [5604.5.2\(3\)](#), as appropriate.

5605.6.5 Waste disposal.

Approved receptacles with covers shall be provided for each location for disposing of waste material and debris. These waste receptacles shall be emptied and cleaned as often as necessary but not less than once each day or at the end of each shift.

5605.6.6 Safety rules.

General safety rules and operating instructions governing the particular operation or process conducted at that location shall be available at each location.

5605.6.7 Personnel limits.

The number of occupants in each process building and in each magazine shall not exceed the number necessary for proper conduct of production operations.

5605.6.8 Pyrotechnic and explosive composition quantity limits.

Not more than 500 pounds (227 kg) of pyrotechnic or *explosive* composition, including not more than 10 pounds (5 kg) of salute powder shall be allowed at one time in any process building or area. Compositions not in current use shall be kept in covered nonferrous containers.

Exception: Composition that has been loaded or pressed into tubes or other containers as consumer fireworks.

5605.6.9 Posting limits.

The maximum number of occupants and maximum weight of pyrotechnic and *explosive* composition permitted in each process building shall be posted in a conspicuous location in each process building or magazine.

5605.6.10 Heat sources.

Fireworks, *explosives* or *explosive* charges in *explosive materials* manufacturing, assembly or testing shall not be stored near any source of heat.

Exception: *Approved* drying or curing operations.

5605.7 Maintenance.

Maintenance and repair of *explosives* manufacturing facilities and areas shall comply with [Section 5604.8](#).

5605.8 Explosive materials testing sites.

Detonation of *explosive* materials or ignition of fireworks for testing purposes shall be done only in isolated areas at sites where distance, protection from missiles, shrapnel or flyrock, and other safeguards provides protection against injury to personnel or damage to property.

5605.8.1 Protective clothing and equipment.

Protective clothing and equipment shall be provided to protect persons engaged in the testing, ignition or *detonation* of *explosive materials*.

5605.8.2 Site security.

Where tests are being conducted or *explosives* are being detonated, only authorized persons shall be present. Areas where *explosives* are regularly or frequently detonated or burned shall be *approved* and posted with adequate warning signs. Warning devices shall be activated before burning or detonating *explosives* to alert persons approaching from any direction that they are approaching a danger zone.

Disposal of *explosive materials* waste from manufacturing, assembly or testing operations shall be in accordance with Section 5604.10.

CHAPTER 56 EXPLOSIVES AND FIREWORKS

**SECTION 5606
SMALL ARMS AMMUNITION AND
SMALL ARMS AMMUNITION COMPONENTS**

5606.1 General.

Indoor storage and display of black powder, smokeless propellants, small arms primers and small arms ammunition shall comply with this section and [NFPA 495](#).

5606.2 Prohibited storage.

Small arms ammunition shall not be stored together with Division 1.1, Division 1.2 or Division 1.3 ~~explosives~~ unless the storage facility is suitable for the storage of *explosive materials*.

5606.3 Packages.

Smokeless propellants shall be stored in *approved* shipping containers conforming to [DOTn 49 CFR Part 173](#).

5606.3.1 Repackaging.

The bulk repackaging of smokeless propellants, black powder and small arms primers shall not be performed in retail establishments.

5606.3.2 Damaged packages.

Damaged containers shall not be repackaged.

Exception: *Approved* repackaging of damaged containers of smokeless propellant into containers of the same type and size as the original container.

5606.4 Storage in Group R occupancies.

The storage of small arms ammunition components in Group R occupancies shall comply with [Sections 5606.4.1](#) through [5606.4.3](#).

5606.4.1 Black powder.

Black powder for personal use in quantities not exceeding 20 pounds (9 kg) shall be stored in original containers in occupancies limited to Group R-3. Quantities exceeding 20 pounds (9 kg) shall not be stored in any Group R occupancy.

5606.4.2 Smokeless propellants.

Smokeless propellants for personal use in quantities not exceeding 20 pounds (9 kg) shall be stored in original containers in occupancies limited to Group R-3. Smokeless propellants in quantities exceeding 20 pounds (9 kg) but not exceeding 50 pounds (23 kg) and kept in a wooden box or cabinet having walls of not less than 1 inch (25 mm) nominal thickness shall be allowed to be stored in occupancies limited to Group R-3. Quantities exceeding these amounts shall not be stored in any Group R occupancy.

5606.4.3 Small arms primers.

Not more than 10,000 small arms primers shall be stored in occupancies limited to Group R-3.

5606.5 Display and storage in Group M occupancies.

The display and storage of small arms ammunition components in Group M occupancies shall comply with [Sections 5606.5.1](#) through [5606.5.2.3](#).

5606.5.1 Display.

Display of small arms ammunition components in Group M occupancies shall comply with [Sections 5606.5.1.1](#) through [5606.5.1.3](#).

5606.5.1.1 Smokeless propellant.

Not more than 20 pounds (9 kg) of smokeless propellants, in containers of 1 pound (0.454 kg) or less capacity each, shall be displayed in Group M occupancies.

5606.5.1.2 Black powder.

Not more than 1 pound (0.454 kg) of black powder shall be displayed in Group M occupancies.

5606.5.1.3 Small arms primers.

Not more than 10,000 small arms primers shall be displayed in Group M occupancies.

5606.5.2 Storage.

Storage of small arms ammunition components shall comply with [Sections 5606.5.2.1](#) through [5606.5.2.3](#).

5606.5.2.1 Smokeless propellant.

Commercial stocks of smokeless propellants shall be stored as follows:

1. Quantities exceeding 20 pounds (9 kg), but not exceeding 100 pounds (45 kg) shall be stored in portable wooden boxes having walls of not less than 1 inch (25 mm) nominal thickness.
2. Quantities exceeding 100 pounds (45 kg), but not exceeding 800 pounds (363 kg), shall be stored in nonportable storage cabinets having walls not less than 1 inch (25 mm) nominal thickness. Not more than 400 pounds (182 kg) shall be stored in any one cabinet, and cabinets shall be separated by a distance of not less than 25 feet (7620 mm) or by a *fire partition* having a *fire-resistance rating* of not less than 1 hour.
3. Storage of quantities exceeding 800 pounds (363 kg), but not exceeding 5,000 pounds (2270 kg) in a building shall comply with all of the following:
 - 3.1. The warehouse or storage room is inaccessible to unauthorized personnel.
 - 3.2. Smokeless propellant shall be stored in nonportable storage cabinets having wood walls not less than 1 inch (25 mm) nominal thickness and having shelves with not more than 3 feet (914 mm) of separation between shelves.
 - 3.3. Not more than 400 pounds (182 kg) is stored in any one cabinet.
 - 3.4. Cabinets shall be located against walls of the storage room or warehouse with not less than 40 feet (12 192 mm) between cabinets.
 - 3.5. The minimum required separation between cabinets shall be 20 feet (6096 mm) provided that *barricades* twice the height of the cabinets are attached to the wall, midway between each cabinet. The *barricades* must extend not less than 10 feet (3048 mm) outward, be firmly attached to the wall and be constructed of steel not less than 1/4 inch thick (6.4 mm), 2-inch (51 mm) nominal thickness wood, brick or concrete block.
 - 3.6. Smokeless propellant shall be separated from materials classified as *combustible liquids*, flammable liquids, flammable solids or oxidizing materials by a distance of 25 feet (7620 mm) or by a *fire partition* having a *fire-resistance rating* of 1 hour.
 - 3.7. The building shall be equipped throughout with an *automatic sprinkler system* installed in accordance with [Section 903.3.1.1](#).
4. Smokeless propellants not stored in accordance with Item 1, 2, or 3 above shall be stored in a Type 2 or 4 magazine in accordance with [Section 5604](#) and [NFPA 495](#).

5606.5.2.2 Black powder.

Commercial stocks of black powder in quantities less than 50 pounds (23 kg) shall be allowed to be stored in Type 2 or 4 indoor or outdoor magazines. Quantities greater than 50 pounds (23 kg) shall be stored in outdoor Type 2 or 4 magazines. Where black powder and smokeless propellants are stored together in the same magazine, the total quantity shall not exceed that permitted for black powder.

5606.5.2.3 Small arms primers.

Commercial stocks of small arms primers shall be stored as follows:

1. Quantities not to exceed 750,000 small arms primers stored in a building shall be arranged such that not more than 100,000 small arms primers are stored in any one pile and piles are not less than 15 feet (4572 mm) apart.
2. Quantities exceeding 750,000 small arms primers stored in a building shall comply with all of the following:
 - 2.1. The warehouse or storage building shall not be accessible to unauthorized personnel.
 - 2.2. Small arms primers shall be stored in cabinets. Not more than 200,000 small arms primers shall be stored in any one cabinet.
 - 2.3. Shelves in cabinets shall have vertical separation of not less than 2 feet (610 mm).
 - 2.4. Cabinets shall be located against walls of the warehouse or storage room with not less than 40 feet (12 192 mm) between cabinets. The minimum required separation between cabinets shall be allowed to be reduced to 20 feet (6096 mm) provided that *barricades* twice the height of the cabinets are attached to the wall, midway between each cabinet. The *barricades* shall be firmly attached to the wall and shall be constructed of steel not less than 1/4 inch thick (6.4 mm), 2-inch (51 mm) nominal thickness wood, brick or concrete block.
 - 2.5. Small arms primers shall be separated from materials classified as *combustible liquids*, flammable liquids, flammable solids or oxidizing materials by a distance of 25 feet (7620 mm) by a *fire partition* having a *fire-resistance rating* of 1 hour.
 - 2.6. The building shall be protected throughout with an *automatic sprinkler system* installed in accordance with [Section 903.3.1.1](#).
3. Small arms primers not stored in accordance with Item 1 or 2 of this section shall be stored in a magazine meeting the requirements of [Section 5604](#) and [NFPA 495](#).

CHAPTER 56 EXPLOSIVES AND FIREWORKS

**SECTION 5607
BLASTING**

5607.1 General.

Blasting operations shall be conducted only by *approved*, competent operators familiar with the required safety precautions and the hazards involved and in accordance with the provisions of [NFPA 495](#).

5607.2 Manufacturer's instructions.

Blasting operations shall be performed in accordance with the instructions of the manufacturer of the *explosive materials* being used.

5607.3 Blasting in congested areas.

Where blasting is done in a congested area or in close proximity to a structure, railway or highway, or any other installation, precautions shall be taken to minimize earth vibrations and air blast effects. Blasting mats or other protective means shall be used to prevent fragments from being thrown.

5607.4 Restricted hours.

Surface-blasting operations shall only be conducted during daylight hours between sunrise and sunset. Other blasting shall be performed during daylight hours unless otherwise *approved* by the *fire code official*.

5607.5 Utility notification.

Where blasting is being conducted in the vicinity of utility lines or rights-of-way, the blaster shall notify the appropriate representatives of the utilities not less than 24 hours in advance of blasting, specifying the location and intended time of such blasting. Verbal notices shall be confirmed with written notice.

Exception: In an emergency situation, the time limit shall not apply where *approved*.

5607.6 Electric detonator precautions.

Precautions shall be taken to prevent accidental discharge of electric detonators from currents induced by radar and radio transmitters, lightning, adjacent power lines, dust and snow storms, or other sources of extraneous electricity.

5607.7 Nonelectric detonator precautions.

Precautions shall be taken to prevent accidental initiation of nonelectric detonators from stray currents induced by lightning or static electricity.

5607.8 Blasting area security.

During the time that holes are being loaded or are loaded with *explosive materials*, blasting agents or detonators, only authorized persons engaged in drilling and loading operations or otherwise authorized to enter the site shall be allowed at the blast site. The blast site shall be guarded or barricaded and posted. Blast site security shall be maintained until after the post-blast inspection has been completed.

5607.9 Drill holes.

Holes drilled for the loading of *explosive* charges shall be made and loaded in accordance with [NFPA 495](#).

5607.10 Removal of excess explosive materials.

After loading for a blast is completed and before firing, excess *explosive materials* shall be removed from the area and returned to the proper storage facilities.

5607.11 Initiation means.

The initiation of blasts shall be by means conforming to the provisions of [NFPA 495](#).

5607.12 Connections.

The blaster shall supervise the connecting of the blastholes and the connection of the loadline to the power source or initiation point. Connections shall be made progressively from the blasthole back to the initiation point.

Blasting lead lines shall remain shunted (shorted) and shall not be connected to the blasting machine or other source of current until the blast is to be fired.

5607.13 Firing control.

A blast shall not be fired until the blaster has made certain that all surplus *explosive materials* are in a safe place in accordance with [Section 5607.10](#), all persons and equipment are at a safe distance or under sufficient cover and that an adequate warning signal has been given.

5607.14 Post-blast procedures.

After the blast, the following procedures shall be observed.

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1. No person shall return to the blast area until allowed to do so by the blaster in charge.
2. The blaster shall allow sufficient time for smoke and fumes to dissipate and for dust to settle before returning to or approaching the blast area.
3. The blaster shall inspect the entire blast site for misfires before allowing other personnel to return to the blast area.

5607.15 Misfires.

Where a misfire is suspected, all initiating circuits shall be traced and a search made for unexploded charges. Where a misfire is found, the blaster shall provide proper safeguards for excluding all personnel from the blast area. Misfires shall be reported to the blasting supervisor immediately. Misfires shall be handled under the direction of the person in charge of the blasting operation in accordance with [NFPA 495](#).

CHAPTER 56 EXPLOSIVES AND FIREWORKS

**SECTION 5608
FIREWORKS DISPLAY**

5608.1 General.

Outdoor fireworks displays, use of pyrotechnics before *aproximate audience* and pyrotechnic special effects in motion picture, television, theatrical and group entertainment productions shall comply with [Sections 5608.2 through 5608.10](#) and [NFPA 1123](#) or [NFPA 1126](#).

5608.2 Permit application.

Prior to issuing permits for a fireworks display, plans for the fireworks display, inspections of the display site and demonstrations of the display operations shall be *approved*. A plan establishing procedures to follow and actions to be taken in the event that a shell fails to ignite in, or discharge from, a mortar or fails to function over the fallout area or other malfunctions shall be provided to the *fire code official*. Prior to issuing any fireworks permits regulated by this code, the fire code official shall verify that permission has been granted to conduct a fireworks display in accordance with N.C.G.S. 14-410.

5608.2.1 Outdoor fireworks displays.

In addition to the requirements of [Section 403](#), permit applications for outdoor fireworks displays using Division 1.3G fireworks shall include a diagram of the location at which the fireworks display will be conducted, including the site from which fireworks will be discharged; the location of buildings, highways, overhead obstructions and utilities; and the lines behind which the audience will be restrained.

5608.2.2 Use of pyrotechnics before a proximate audience.

Where the separation distances required in [Section 5608.4](#) and [NFPA 1123](#) are unavailable or cannot be secured, fireworks displays shall be conducted in accordance with [NFPA 1126](#) for *proximate audiences*. Applications for use of pyrotechnics before a *proximate audience* shall include plans indicating the required clearances for spectators and combustibles, crowd control measures, smoke control measures and requirements for standby personnel and equipment where provision of such personnel or equipment is required by the *fire code official*.

5608.3 Approved fireworks displays.

Approved fireworks displays shall include only the *approved* fireworks [1.1G fireworks](#), [1.3G](#), fireworks [1.4G](#), fireworks [1.4S](#) and pyrotechnic articles, [1.4G](#), which shall be handled by an *approved*, competent operator. The *approved* fireworks shall be arranged, located, discharged and fired in a manner that will not pose a hazard to property or endanger any person. Approved Division 1.1G, 1.3G and 1.4G displays shall be handled by a display operator possessing a Display Operator's License issued by the Office of State Fire Marshal. Prior to granting approval to any fireworks display, the fire code official shall verify that the display operator and the display operator's assistants are properly licensed in accordance with the NC Fireworks Display Operator's rules, N.C.G.S. 58 Article 82A and 11 NCAC 05D.

5608.4 Clearance.

Spectators, spectator parking areas, and *dwellings*, buildings or structures shall not be located within the display site.

Exceptions:

1. This provision shall not apply to pyrotechnic special effects and fireworks displays using Division 1.4G materials before a *proximate audience* in accordance with [NFPA 1126](#).
2. This provision shall not apply to unoccupied *dwellings*, buildings and structures with the approval of the building owner and the *fire code official*.

5608.5 Storage of fireworks at display site.

The storage of fireworks at the display site shall comply with the requirements of this section and [NFPA 1123](#) or [NFPA 1126](#).

5608.5.1 Supervision and weather protection.

Beginning as soon as fireworks have been delivered to the display site, they shall not be left unattended.

5608.5.2 Weather protection.

Fireworks shall be kept dry after delivery to the display site.

5608.5.3 Inspection.

Shells shall be inspected by the operator or assistants after delivery to the display site. Shells having tears, leaks, broken fuses or signs of having been wet shall be set aside and shall not be fired. Aerial shells shall be checked for proper fit in mortars prior to discharge. Aerial shells that do not fit properly shall not be fired. After the fireworks display, damaged, deteriorated or dud shells shall either be returned to the supplier or destroyed in accordance with the supplier's

Exception: Minor repairs to fuses shall be allowed. For electrically ignited displays, attachment of electric matches and similar tasks shall be allowed.

5608.5.4 Sorting and separation.

After delivery to the display site and prior to the fireworks display, all shells shall be separated according to their size and their designation as salutes.

Exception: For electrically fired displays, or displays where all shells are loaded into mortars prior to the show, there is no requirement for separation of shells according to their size or their designation as salutes.

5608.5.5 Ready boxes.

Display fireworks, 1.3G, that will be temporarily stored at the site during the fireworks display shall be stored in ready boxes located upwind and not less than 25 feet (7620 mm) from the mortar placement and separated according to their size and their designation as salutes.

Exception: For electrically fired fireworks displays, or fireworks displays where all shells are loaded into mortars prior to the show, there is no requirement for separation of shells according to their size, their designation as salutes or for the use of ready boxes.

5608.6 Installation of mortars.

Mortars for firing fireworks shells shall be installed in accordance with [NFPA 1123](#) and shall be positioned so that shells are propelled away from spectators and over the fallout area. Under no circumstances shall mortars be angled toward the spectator viewing area. Prior to placement, mortars shall be inspected for defects, such as dents, bent ends, damaged interiors and damaged plugs. Defective mortars shall not be used.

5608.7 Handling.

Aerial shells shall be carried to mortars by the shell body. For the purpose of loading mortars, aerial shells shall be held by the thick portion of the fuse and carefully loaded into mortars.

5608.8 Fireworks display supervision.

Whenever in the opinion of the *fire code official* or the operator a hazardous condition exists, the fireworks display shall be discontinued immediately until such time as the dangerous situation is corrected.

5608.9 Post-fireworks display inspection.

After the fireworks display, the firing crew shall conduct an inspection of the fallout area for the purpose of locating unexploded aerial shells or live components. This inspection shall be conducted before public access to the site shall be allowed. Where fireworks are displayed at night and it is not possible to inspect the site thoroughly, the operator or designated assistant shall inspect the entire site at first light.

A report identifying any shells that fail to ignite in, or discharge from, a mortar or fail to function over the fallout area or otherwise malfunction, shall be filed with the *fire code official*.

5608.10 Disposal.

Any shells found during the inspection required in [Section 5608.9](#) shall not be handled until not less than 15 minutes have elapsed from the time the shells were fired. The fireworks shall then be doused with water and allowed to remain for not less than 5 additional minutes before being placed in a plastic bucket or fiberboard box. The disposal instructions of the manufacturer as provided by the fireworks supplier shall then be followed in disposing of the fireworks in accordance with [Section 5604.10](#).

CHAPTER 56 EXPLOSIVES AND FIREWORKS

**SECTION 5609
TEMPORARY STORAGE OF
CONSUMER FIREWORKS**

5609.1 General.

Where the temporary storage of consumer fireworks, 1.4G is allowed by [Section 5601.1.3](#), Exception 4, such storage shall comply with the applicable requirements of [NFPA 1124](#).

CHAPTER 56 EXPLOSIVES AND FIREWORKS

SECTION 5610
RETAIL SALES OF CONSUMER FIREWORKS

5610.1 Fireworks allowed by North Carolina General Statute 14-414 shall be permitted to be sold or possessed without a permit.

A minimum of one pressurized water fire extinguisher complying with [Section 906](#) shall be located not more than 15 feet (4572 mm) and not less than 10 feet (3048 mm) from the hazard. "No Smoking" signs complying with [Section 310](#) shall be posted in areas where fireworks are stored or displayed for retail sale. No sale of fireworks shall be made to persons less than 16 years of age in accordance with N.C.G.S 14-410.

WAYNE COUNTY INSPECTIONS DEPT.
STEVEN E. STROUD, DIRECTOR



WAYNE COUNTY
NORTH CAROLINA

Ph: (919) 731-1169
Fax (919) 705-1815

MEMORANDUM

REQUIREMENTS FOR FIREWORKS DISPLAY

- Approval by County Board of Commissioners No Less Than 30 days prior to Fireworks Display
- Proof of Liability Insurance
- Verification of State Required Pyrotechnics License
- Site Plan Showing Distance to Spectators and Combustibles
- Description of Material to be Discharged
- Plan for Misfires
- Emergency Response Standby



THE GOOD LIFE. GROWN HERE.

134 N. JOHN STREET
P.O. BOX 227
GOLDSBORO, NC 27533-0227

NORTH CAROLINA

WAYNE COUNTY

**RESOLUTION #2021- 17: A RESOLUTION TRANSFERRING PYROTECHNIC
PERMITTING FOR DISPLAYS AND EXHIBITIONS WITHIN THE CITY OF
GOLDSBORO TO THE CITY OF GOLDSBORO**

WHEREAS, N.C.G.S. 14-413(a1) authorizes the governing body of any city to issue permits pursuant to Article 54 of the North Carolina General Statutes which addresses the sale and permitting of pyrotechnics; and

WHEREAS, this statute provides for delegation for permitting of pyrotechnics to be exhibited, used, or discharged within the corporate limits of a city by this Board of Commissioners by resolution; and,

WHEREAS, the City of Goldsboro is an incorporated City with authority for the issuance of permits within its incorporated limits; and,

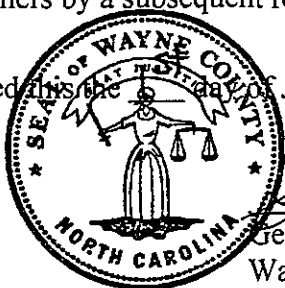
WHEREAS, the City of Goldsboro employs a Fire Marshal to enforce state and local fire codes within the incorporated limits of the City of Goldsboro; and,

WHEREAS, the Wayne County Fire Marshal, City of Goldsboro Fire Marshal, Wayne County Manager, and City of Goldsboro City Manager have discussed the merits of this transfer of permitting authority and all believe that this action would be of benefit to both Wayne County and the City of Goldsboro.

NOW, THEREFORE BE IT RESOLVED by the Wayne County Board of Commissioners:

1. That this Board approves the transfer of permitting authority for pyrotechnics to be exhibited, used, or discharged within the limits of the City of Goldsboro effective June 1, 2021.
2. That the delegation of this authority shall remain in effect until withdrawn by this Board of Commissioners by a subsequent resolution.

Passed and adopted this 1st day of June, 2021.



George Wayne Aycock, Jr.
George Wayne Aycock, Jr.; Chairman
Wayne County Board of Commissioners

ATTEST:

Carol Bowden

Carol Bowden, Clerk to the Board

5/21/2024	Pyrotechnics	Motion to Adopt Resolution #2024-13: A Resolution Authorizing Wetzel Pyro to Discharge Pyrotechnics in the Town of Pikeville near Dees Memorial Park on June 29, 2024.	Approved
6/4/2024	Pyrotechnics	Motion to Adopt Resolution #2024-14: A Resolution Granting Authorization to Wetzel Pyrotechnics to Discharge Pyrotechnics in the Town of Seven Springs on July 6, 2024.....	Approved 5-2 with Foster and Williams Against.
12/17/2024	Pyrotechnics	Motion to Adopt Resolution #2024-32: A Resolution authorizing Wetzel Pyrotechnics to use pyrotechnics for the Mount Olive Pickle Drop on December 31, 2024, in the Town of Mount Olive, pending approval from the Wayne County Inspections Department.	Approved 6-1 Foster Against
2/21/2023	Fireworks	Motion to Approve the use of Pyrotechnics at the Town of Pikeville on March 21, 2023 by Hale Artificier.	Approved
6/6/2023	Fireworks	Motion to Adopt Resolution #2023-15: A Resolution Granting Hale Artificier, Inc. permission to use pyrotechnics for the Town of Seven Springs on July 1, 2023.	Approved
6/6/2023	Fireworks	Motion to Adopt Resolution #2023-16: A Resolution Granting Hale Artificier, Inc. permission to use Pyrotechnics for the Town of Pikeville on July 1, 2023.	Approved
10/3/2023	Pyrotechnics	Motion to Adopt Resolution #2023-26: A Resolution Authorizing Wetzel Pyrotechnics and The Bridge Church to use pyrotechnics at The Bridge Church, 188 Whitley Church Road, Princeton.	Approved

12/5/2023	Pyrotechnics	Motion to Adopt Resolution #2023-27 authorizing Wetzel Pyrotechnics to use Pyrotechnics on December 31, 2023, for the Mount Olive Pickle Drop in the Town of Mount Olive, contingent on approval by the Wayne County Inspections Dept.	Approved
6/7/2022	Fireworks	Motion to Adopt Resolution #2022-17: A Resolution allowing Hale Artificier to provide a Fireworks Display for the Town of Pikeville.	Approved
10/18/2022	Fireworks	Motion to Adopt Resolution #2022-41: A Resolution Authorizing Hale Artificier, Inc. permission to have a pyrotechnic display at the Bridge Church, Goldsboro, North Carolina, on October 31, 2022, as recommended and approved by the Wayne County Inspections Department.	Approved
12/6/2022	Fireworks	Motion to Adopt Resolution #2022-43: A Resolution granting Hale Artificier, Inc. permission to use pyrotechnics for the Mount Olive Pickle Drop on December 31, 2022, as recommended by the Wayne County Inspections Department.	Approved
12/6/2022	Pyrotechnics	Motion to Adopt Resolution #2022-44: A Resolution granting Hale Artificier, Inc. permission to use pyrotechnics for the Town of Pikeville on December 31, 2022, as recommended by the Wayne County Inspections Department.	Approved
6/1/2021	Pyrotechnics	Motion to Adopt Resolution #2021-16: A Resolution allowing the use of pyrotechnics by Hale Artificier, Inc. at the Town of Pikeville, 105 West School St. Pikeville on July 3, 2021.	Approved
12/7/2021	Fireworks	Motion to Adopt Resolution #2021-42 allowing the use of pyrotechnics in the Town of Seven Springs, North Carolina.	Approved

(RE:401K)

Page 38

Pay for Part-time Work

Part-time employees may be separated into two categories:

- a) benefited part-time working over 1,000 hours per year,
- b) part-time working less than 1,000 hours per year, which includes temporary employees.

Benefited part-time employees working over 1,000 hours per year are people in a regular position working a regular schedule whose duties require more than 1000 hours per year but fewer than thirty hours per week. Such employees are hired with the understanding that they will earn pro-rated vacation and sick leave hours, participate in the Local Government Employees Retirement System, **add: and are eligible to participate in the 401(k) program** but will not receive county-paid insurance. Budgetary considerations must be made for the employer contribution to the Retirement System, vacation, and sick leave for employees.

Part-time employees, which include temporary employees, are persons working fewer than 1000 hours per year. Such employees shall not be eligible for annual leave, sick leave, paid holidays, participation in LGERS, or county-paid insurance benefits and may be terminated by the County at any time. Part-time employees shall be eligible for Worker's Compensation Insurance coverage, subject to Social Security regulations applicable to the County, **add: and participation in the 401(k) program.**

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Benefits/Other -Flexible

The County-sponsored 401(k) plan will match full-time **add: and part-time** employee contributions at either 1% or 2% in whole percentages.

(RE: ACCRUAL RATES)

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Manner of Accumulation

Leave accrual is calculated based on the accrual date; **add: the accrual increase is effective on the last day of the two-week pay period where the accrual anniversary date falls and is reflected as soon as practical on the employee's notice of deposit.**

(RE: DISCIPLINARY ACTION)

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Procedure for Implementing Disciplinary Action for Unsatisfactory Job Performance

Add: Documented Incident

Before issuing a written warning for unsatisfactory job performance, there shall be a current, documented, unresolved incident of unsatisfactory job performance on the part of the employee. This incident can be documented in any number of ways, including enhancement plans, PIPs, email conversations, in-person (documented) conversations, and the Corrective Action form, all of which are opportunities to discuss and document an issue that may lead to a written warning.



I, Shanierra Curry and Cornell Wood Jr. would like to offer the

County of Wayne the sum of \$2,500 for the

purchase of property at the following location:

Parcel: 3559241461 and 3559241278

Street: 1276 Parkstown Road and Sam's LN

Signed: Shanierra Curry, Cornell Wood Jr.

Date: 12/27/2024

Name Shanierra curry & cornell wood j

Address: 1830 s 54th street philadelphia pa 19143

Phone: 2673180747

Email: Ceo@shanierrascloset.com

Amount of Bid Deposit: \$125

NORTH CAROLINA

WAYNE COUNTY

**RESOLUTION #2025- 3 : A RESOLUTION DECLARING SURPLUS REAL
PROPERTY AND AUTHORIZING ITS SALE**

WHEREAS, the County has acquired a property interest in two pieces of property located at, 1276 Parkstown Road, La Grange having parcel identification numbers of 3559241461 & 3559241278 and being more particularly described in Book 2230, Page 718 and Book 2267, Page 5 respectively in the Office of the Register of Deeds for Wayne County ("Property"); and

WHEREAS, the Staff Attorney and County Manager have recommended that this property be declared surplus and sold, following a careful review by the Staff Attorney and the Facilities Services Director that determined the County has no use for these properties; and

WHEREAS, NCGS § 160A-269 permits the County to sell property by upset bid, after receipt of an offer for the property; and

WHEREAS, the County has received an offer to purchase the property described above, in the amount of \$2,000 submitted by Shanierra Curry and Cornell Wood Jr.; and

WHEREAS, Shanierra Curry and Cornell Wood Jr. have paid the required five percent (5%) deposit on its offer;

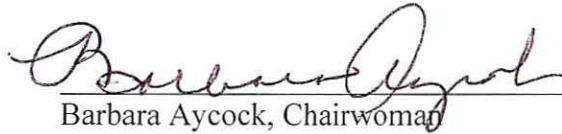
NOW, THEREFORE BE IT RESOLVED by the Wayne County Board of Commissioners that:

1. The Board of Commissioners declares the property described above surplus and authorizes the sale of the Property through upset bid procedure of North Carolina General Statute §160A-269.
2. A notice of the proposed sale shall be published which shall describe the property and the amount of the offer and shall state the terms under which the offer may be upset.
3. Any person may submit an upset bid to the Clerk to the Board within 10 days after the notice of sale is published. Once a qualifying higher bid has been received, that bid will become the new offer.
4. If a qualifying higher bid is received, new notice of upset bid shall be published, and shall continue to do so until a 10-day period has passed without any qualifying upset bid having been received. At that time, the amount of the final high bid shall be reported to the Board of Commissioners.
5. A qualifying higher bid is one that raises the existing offer by not less than ten percent (10%) of the first \$1,000.00 of that offer and five percent (5%) of the remainder of that

offer.

6. A qualifying higher bid must also be accompanied by a deposit in the amount of five percent (5%) of the bid; the deposit may be made in cash, cashier's check, or certified check. The County will return the deposit on any bid not accepted, and will return the deposit on an offer subject to upset if a qualifying higher bid is received. The county will return the deposit of the final high bidder at closing.
7. The County reserves the right to withdraw the property from sale at any time before the final high bid is accepted and the right to reject at any time all bids.
8. If no qualifying upset bid is received after the initial public notice, the offer set forth above is hereby accepted. The appropriate County officials are authorized to execute the instruments necessary to convey the property to Shanierra Curry and Cornell Wood Jr.

Passed and adopted this the 21st day of January, 2025.



Barbara Aycock, Chairwoman
Wayne County Board of Commissioners

ATTEST:



Carol Bowden, Clerk to the Board



PUBLIC NOTICE
SALE OF COUNTY PROPERTY

An offer of \$2,500 has been submitted for the purchase of certain property owned by the County of Wayne located at 1276 Parkstown Road, La Grange (PINs: 3559241461 & 3559241278) more particularly described as follows:

Tract One-

BEGINNING at an iron stake in the center of the Goldsboro and Jason Public Road and runs thence, Southwardly 161 feet to an iron stake; thence Eastwardly 62 ½ feet to an iron stake; thence Northwardly 150 feet to a stake in the center of the road; thence Westwardly 72 feet to Steve Sutton's corner, the beginning point. Containing ¼ of an acre, more or less.

Tract Two-

BEGINNING at a stake from the intersectional corner of the LaGrange and Coker Mill and the Jason and New Hope Roads, South 83 feet to a stake at the East side of Elbert and Macie Cox's house, thence West 262 feet to a stake; then South 119.07 feet to a stake, thence West 62 feet to the point of beginning.

Together with the perpetual right of ingress and egress to and over the following described tract of land. Beginning at an iron stake on the West side of the LaGrange-Saulston public road, James Jackson's Southeast corner, and runs thence with said road Southerly 43 yards to a stake; thence S. 87 degrees 28 minutes W. 357 yards to a stake, thence Northerly along the line of Tommy Lancaster 12 feet to a stake; thence North 87 degrees 28 minutes E. 357 yards to a stake; thence Southerly along the LaGrange-Saulston public road 12 feet to the point of beginning

Persons wishing to upset the offer that has been received shall submit a sealed bid with their offer and the required deposit to the office of the Wayne County Manager, 224 E. Walnut Street, Goldsboro, NC 27530 by 5:00 P.M. on February 4, 2025. At that time the Clerk to the Board shall open the bids, if any, and the highest qualifying bid will become the new offer. If there is more than one bid in the highest amount, the first such bid received will become the new offer.

A qualifying higher bid is one that raises the existing offer at least 10% of the first \$1,000 and 5% of the remainder. A qualifying bid must raise the existing offer to an amount not less than \$2,670.

A qualifying higher bid must be accompanied by a deposit in the amount of five percent (5%) of the bid; the deposit may be made in cash, cashier's check, or certified check. The County will return the deposit on any bid not accepted, and will return the deposit on an offer subject to upset if a qualifying higher bid is received. If no other bids are made the original offer to purchase will be accepted.

Further information may be obtained at the Wayne County Manager's Office, 224 E. Walnut Street, Goldsboro, NC 27530 or by telephone at (919) 705-1971 during normal business hours.

Andrew J. Neal
Wayne County Staff Attorney
PO Box 227
Goldsboro, NC 27533
(919) 705-1971
Run date: January 25, 2025



COUNTY OF WAYNE
1276 PARKSTOWN RD
76278950

COUNTYWIDE ADVALOREM TAX (100), FIRE - NEW HOPE W (100)
Reval Year: 2019 Tax Year: 2024 1276 PARKSTOWN RD
Appraised by 88 on 08/25/2010 05907 SAULSTON EAST

Return/Appeal Notes: Parcel: 3559241461
PLAT: / UNIQ ID 24517
ID NO: 05A02000003027

CARD NO. 1 of 1
0.2500 AC
TW-05

SRC=
CI-00FR-31EX-2 AT-
LAST ACTION 20180627

CONSTRUCTION DETAIL

TOTAL POINT VALUE

BUILDING ADJUSTMENTS

TOTAL ADJUSTMENT FACTOR

TOTAL QUALITY INDEX

MARKET VALUE

USE MOD Eff. Area QUAL BASE RATE RCN EYB AYB

50 00

TYPE: RURAL SINGLE FAMILY RESIDENTIAL

STYLE:

DEPRECIATION

% GOOD

CORRELATION OF VALUE

CREDENCE TO

DEPR. BUILDING VALUE - CARD

DEPR. OB/XF VALUE - CARD

MARKET LAND VALUE - CARD

TOTAL MARKET VALUE - CARD

TOTAL APPRAISED VALUE - CARD

TOTAL APPRAISED VALUE - PARCEL

TOTAL PRESENT USE VALUE - PARCEL

TOTAL VALUE DEFERRED - PARCEL

TOTAL TAXABLE VALUE - PARCEL \$

PRIOR

BUILDING VALUE

OBXF VALUE

LAND VALUE

PRESENT USE VALUE

DEFERRED VALUE

TOTAL VALUE

PERMIT

CODE DATE NOTE NUMBER AMOUNT

ROUT: WTRSHD:

SALES DATA

OFF. RECORD DATE DEED TYPE Q/UV/I INDICATE SALES PRICE

BOOK PAGE MOYR

02230 0718 6 2004 WD U I 22500

02230 0716 6 2004 WD U I 0

00794 9 19 1 1901 WD U V 0

00794 0089 1 1971 WD U I 0

HEATED AREA

NOTES

12/06-LOT VACANT

SUBAREA

TYPE GS AREA % RPL CS

FIREPLACE

SUBAREA

TOTALS

CODE QUALITY DESCRIPTION COUNT LTH WTH UNITS UNIT PRICE ORIG % COND BLDG# SIZE FACT AYB EYB ANN DEP RATE OVR % COND OB/XF DEPR. VALUE

TOTAL OB/XF VALUE

0

BUILDING DIMENSIONS

LAND INFORMATION

HIGHEST AND BEST USE

USE CODE LOCAL ZONING FRON TAGE DEPTH DEPTH / SIZE LND MOD COND FACT OTHER ADJUSTMENTS AND NOTES RF AC LC TO OT ROAD TYPE LAND UNIT PRICE TOTAL LAND UNITS UNT TYP TOTAL ADJUST ADJUSTED UNIT PRICE LAND VALUE OVERRIDE VALUE LAND NOTES

5010 5010 0 0 1.0000 0 0.5000 .25AC

17,000.00 1.000 LT 0.500 8,500.00 8500

TOTAL MARKET LAND DATA

8,500

TOTAL PRESENT USE DATA



COUNTY OF WAYNE
SAM'S LN
76278950

Return/Appeal Notes: Parcel: 3559241278
PLAT: / UNIQ ID 24515
ID NO: 05A02000003021

COUNTYWIDE ADVALOREM TAX (100), FIRE - NEW HOPE W (100)
CARD NO. 1 of 1
1.0000 LT
TW-05

Reval Year: 2019 Tax Year: 2024 SAM'S LN
Appraised by 88 on 08/25/2010 05907 SAULSTON EAST
SRC=
CI-00FR-31EX-2 AT-
LAST ACTION 20180627

CONSTRUCTION DETAIL		MARKET VALUE					DEPRECIATION			CORRELATION OF VALUE						
TOTAL POINT VALUE		USE	MOD	Eff. Area	QUAL	BASE RATE	RCN	EYB	AYB	CREDENCE TO						
BUILDING ADJUSTMENTS		50	00							% GOOD						
TOTAL ADJUSTMENT FACTOR		TYPE: RURAL SINGLE FAMILY RESIDENTIAL										DEPR. BUILDING VALUE - CARD				
TOTAL QUALITY INDEX		STYLE:										DEPR. OB/XF VALUE - CARD				
												MARKET LAND VALUE - CARD				
												TOTAL MARKET VALUE - CARD				
												TOTAL APPRAISED VALUE - CARD				
												TOTAL APPRAISED VALUE - PARCEL				
												TOTAL PRESENT USE VALUE - PARCEL				
												TOTAL VALUE DEFERRED - PARCEL				
												TOTAL TAXABLE VALUE - PARCEL \$				
												PRIOR				
												BUILDING VALUE				
												OBXF VALUE				
												LAND VALUE				
												PRESENT USE VALUE				
												DEFERRED VALUE				
												TOTAL VALUE				
												PERMIT				
												CODE DATE NOTE NUMBER AMOUNT				
												ROUT: WTRSHD:				
												SALES DATA				
												OFF. RECORD DATE DEED TYPE Q/U/V/I INDICATE SALES PRICE				
												BOOK PAGE MOYR				
												02267 0005 6 2004 WD U I 4000				
												02230 0716 6 2004 WD U I 0				
												00809 09 1 1 1901 WD U V 0				
												00809 0509 1 1972 WD U I 0				
												HEATED AREA				
												NOTES				

SUBAREA		GS	RPL	CODE	QUALITY	DESCRIPTION	COUNT	LTH	WTH	UNITS	UNIT PRICE	ORIG % COND	BLDG#	SIZE FACT	AYB	EYB	ANN DEP RATE	OVR	% COND	OB/XF DEPR. VALUE
TYPE		AREA	%	CS	TOTAL OB/XF VALUE															
FIREPLACE																				
SUBAREA TOTALS																				

BUILDING DIMENSIONS

LAND INFORMATION

HIGHEST AND BEST USE	USE CODE	LOCAL ZONING	FRONTAGE	DEPTH	DEPTH / SIZE	LND MOD	COND FACT	OTHER ADJUSTMENTS AND NOTES				ROAD TYPE	LAND UNIT PRICE	TOTAL LAND UNITS	UNT TYP	TOTAL ADJUST	ADJUSTED UNIT PRICE	LAND VALUE	OVERRIDE VALUE	LAND NOTES
5030	5030		62	119	1.0000	0	1.0000						13,000.00	0.170	AC	1.000	13,000.00	2210		

TOTAL MARKET LAND DATA

TOTAL PRESENT USE DATA

MEMORANDUM

To: Wayne County Board of Commissioners

From: Berry Gray, Planning Director

Date: December 7, 2025

Re: Case A-24-02; Zoning Ordinance amendments related to airport overlay districts and noise zones.

The Wayne Executive Jetport has requested that the Wayne County Zoning Ordinance be updated to reflect the latest FAA standards for its airport height overlay districts. The changes for the Jetport are reflected in the amendment and just change how the overlay districts and height zones are defined per FAA standards.

Additionally, Planning staff has incorporated changes to the airport district for Seymour Johnson Air Force Base to reflect changes to the noise zones to comply with the latest Joint Land Use Study for the Base. These changes are mainly clerical and further define the standards for the bases impact areas as it relates to noise. Seymour Johnson Air Force Base has reviewed the changes and recommends approval.

Proposed Wayne County Zoning Ordinance Changes Related to Airport and Airport Height

Version 5/20/24

Section 41. - Word and Term Definitions.

Accessory Use or Structures: A use or a structure on the same lot with, but of a nature customarily incidental and subordinate to, the principal use of structure.

Airport: ¹ ¶ Shall mean the Goldsboro Wayne Airport, Mount Olive Airport, or Seymour Johnson Air Force Base.

Airport Elevation: ² ¶ The highest point of the airport's usable landing area measured in feet above sea mean level (AMSL).

- (a) Goldsboro-Wayne Airport - 134 feet AMSL.
- (b) Mount Olive Airport - 168 feet AMSL.
- (c) Seymour Johnson Air Force Base - 109 feet AMSL.

Airport Hazard: Any structure, tree or use of land which obstructs the airspace required for or is otherwise hazardous to the flight of aircraft in landing or taking off at the airport.

Airport Reference Point: The point established as the approximate geographic center of the airport landing area.

Alter: To make any structural changes in the supporting or load-bearing members of a building, such as walls, columns, beams, girders, or floor joists.

Approach-Departure Clearance Surface: An inclined plane located directly above the approach area of an airport, which extends outward from both ends of the runway.

Buildable Area: The portion of a lot remaining after required yards have been provided.

Building: Any structure or edifice having a roof supported by columns or walls and intended for shelter, housing or enclosure or persons, animals, or chattels.

Certificate of Occupancy: A statement, signed by the Zoning Enforcement Officer or his assistant, setting forth that the building, structure, or use of land complies with the Zoning Ordinance of Wayne County, North Carolina, and that the same may be used for the purpose stated therein.

Controlling Elevation: Whenever surfaces or planes of the obstructions criteria overlap, the controlling (or governing) elevation is that of the lowest surface or plane.

Dwelling, Single Family: A detached residential dwelling unit, other than a mobile home, designed for and occupied by one family only.

Dwelling, Two Family: A detached residential building containing two dwelling units and designed for occupancy by not more than two families.

Dwelling, Multiple Family: A detached building used for or designed as a residence for more than two families living independently of each other.

Dwelling Unit: One room, or rooms connected together, constituting a separate independent housekeeping establishment with complete living facilities for one family.

Family: One or more persons occupying a premises and living as a single housekeeping unit but not including a group occupying a boarding house, club, fraternity house, or similar type dwelling.

Height: ³ ¶ For the purpose of determining the height limits in the airport height restrictive area, the datum shall be 1987 North American Datum.

Home Occupation: An occupation for gain or support customarily conducted on the premises by a person or family residing thereon.

Junk Yard: A place where junk, waste, discarded, or salvaged materials are bought, sold, exchanged, stored, baled, disassembled or handled including automobile wrecking yards, house wrecking, structural steel materials and equipment, but not including the purchase or storage of used furniture or used cars in operable condition.

Lot Line, Front: Any boundary line of a lot running along a street right of way line.

Lot: A parcel of land under a single ownership occupied or capable of being occupied by a principle building together with its accessory buildings, including the open space required under the terms of this ordinance.

Lot Depth: The depth of a lot is the distance in the mean direction of the side lot line from midpoint of the front lot line to the midpoint of the rear lot line.

Lot of Record: A lot which is a part of a subdivision, a plat which has been recorded in the office of the Register of Deeds of Wayne County, or a lot which has been recorded and described by metes and bounds.

Lot Width: The distance between side lot lines measured at the building line.

Mobile Home: Any vehicle or similar portable structure mounted, or designed to be mounted, on wheels for transportation after fabrication to a site where it is to be occupied as a dwelling unit. Such unit shall be considered a mobile home whether or not the wheels have been removed, and whether or not it has been set on jacks, skirtings, or other supports. A "travel trailer" or "camper" shall not be considered a mobile home.

Mobile Home, Class A: ⁴ ¶ A new mobile home certified as meeting construction standards developed by the U.S. Department of Housing and Urban Development that were in effect at the time of construction and that satisfies each of the following additional criteria:

- (a) The home has a length not exceeding three times its [its] width.
- (b) The pitch of the home's roof has a minimum vertical rise of one foot for each three feet of horizontal run, and the run is finished with a type of shingle that is commonly used in standard residential construction.
- (c) The exterior siding consists of wood, hardboard, or aluminum (vinyl covered or painted) or comparable in composition appearance, and durability to the exterior siding commonly used in standard residential construction.
- (d) The tongues, axles, transporting lights, and removable towing apparatus are removed after placement on the lot and before occupancy.

Mobile Home, Class B: ⁵ ¶ A mobile home that meets all of the criteria of a Class A mobile home except the length/width ratio.

Mobile Home Park: Any plot of ground upon which two or more mobile homes, occupied for dwelling or sleeping purposes are located, regardless of whether or not a charge is made for such accommodations.

Nonconforming Use: A use of a building or land that does not conform with the regulations of the district in which such building or land is situated.

Obstruction: ⁶ ¶ Any structure, growth, or other object, including a mobile object, which exceeds a limiting height set forth in this ordinance.

Obstruction to Air Navigation: Natural objects or man-made structures that penetrate the surfaces originating at the airfield or any man-made objects that extend more than 500 feet above the ground at the site of the object.

Planned Unit Development: The planned residential development of mixed structures such as apartments, townhouses, rowhouses, and cluster subdivision, usually incorporating privately owned, open common areas.

Public Sewer System: Any sewage disposal system, whether operated publicly or privately, other than a pit privy or a septic tank located on the lot.

Public Water System: A system operated publicly or privately whereby the water source is not located on the lot of the consumers and the number of connections must be at least ten (10).

Setback Line: The line on the front, rear, and sides of a lot which delineates the area within which a structure may be built and maintained, according to the district regulations.

Shopping Center: Two or more commercial establishments planned and constructed as a single unit with off-street parking and loading facilities provided on the property and related in location, size and type of shops to the trade area which the unit serves.

Sign: Any device designed to inform or attract the attention of persons not on the premises on which the sign is located.

Sign, Advertising: Any sign, including a standard poster panel either freestanding or [or] attached to a structure, which directs attention to a business commodity, service, entertainment, or other activity conducted, sold, or offered at another place other than on the property on which the sign is located.

Sign, Business Identification: A sign which directs attention to a business commodity, service, entertainment, or other activity conducted, sold, or offered on the premises upon which the sign is located.

Special Use: A use that would not be generally appropriate without restriction throughout the zoning district but which, if controlled as to number, area, location, or relation to the neighborhood, would promote the health, safety, morals general welfare, order, comfort, convenience, appearance, or prosperity. Such uses may be permitted in such zoning district as Special Uses if specific provision for such is made in this zoning ordinance.

Street: A dedicated and accepted public right-of-way which affords the principal means of access to abutting properties for vehicular traffic.

Variance: A modification of the terms of the zoning ordinance where such will not be contrary to the public interest and where, owing to conditions peculiar to the property and not the result of the actions of the applicant, a literal enforcement of the ordinance would result in unnecessary and undue hardship. A variance may be granted only for dimensional changes in height, area, and size of yards and open spaces. The establishment or expansion of a use otherwise prohibited shall not be allowed by a variance.

Yard: A required open space unoccupied and unobstructed by any principal structure or portion of a structure from ground to sky.

Yard, Front: A yard extending between side lot lines across the front of a lot between the front line of the building and the front line of the lot.

Yard, Rear: A yard extending across the full width of the lot and measured between the rear line on the lot and the rear line of the main building.

Yard, Side: A yard extending from the rear line of the required front yard to the rear lot line.

Zoning Certificate: A certificate issued by the Zoning Enforcement Officer when a proposal to use or occupy a lot or structure, or to erect install, or alter a structure, building sign or lot, fully meets the requirements of this ordinance.

ARTICLE V. - DISTRICT BOUNDARIES AND USE DISTRICTS

50.8 Airport Height Overlay.⁴² ¶

The purpose of the overlay designation is to promote the safe conduct of aircraft in the vicinity of an airport, to prevent creation of conditions hazardous to aircraft operation, to prevent loss of life and property, and to encourage development which is compatible with airport use characteristics.

50.8.5 Permitted Uses.

Notwithstanding any other provisions of this Ordinance, no use may be established within the regulated area so as to interfere with navigation, radio communication, or otherwise create a hazard to aircraft operations.

50.8.6 Special Uses Allowed.

None.

50.8.7 Regulated Area.

The area included in the Airport Height Overlay shall be shown on the Wayne County Zoning Map.

50.8.8 Maximum Height Limits.

Except as otherwise provided, no structure shall be constructed or maintained so as to exceed identified maximum imaginary surface heights less ten feet. The imaginary surfaces shall be computed using information from **Code of Federal Aviation Regulations, Title 14, Part 77, and in Air Force design standards for its airfields**. Design standards for Seymour Johnson AFB are found in the Department of Defense Unified Facilities Criteria 3-260-01 Airfield and Heliport Planning and Design. For a more complete description of obstruction evaluation/airport airspace analysis, see FAR Part 77 and the UFC. "~~Objects Affecting Navigable Airspace,~~" promulgated by the Federal Aviation Administration and Department of Defense Uniform Facility Criteria 3-260-01 "~~Airfield and Heliport Planning and Design.~~"

50.8.5[50.8.9] Sub-Areas.

For Seymour Johnson Air Force Base and Mount Olive Airport, the Airport Height Overlay shall be divided into the following sub-areas. The sub-areas shall be designated on the Wayne County Zoning Map.

- (1) Primary Surface (PS). This surface defines the limits of the obstruction clearance requirements in the immediate vicinity of the **landing** area. The primary surface comprises **surfaces of the** runways, runway shoulders, and lateral safety zones **that extend 200 feet beyond the runway end**. ~~The length of the primary surface is the same as the runway length for the appropriate airport.~~ The width of the primary surface is 2,000 feet or 1,000 feet on each side of the runway centerline.
- (2) Clear Zone (CZ). This surface defines the limits of the obstruction clearance requirements in the **area** vicinity contiguous to the end of the primary surface. The length and width of the Clear Zone **is** ~~are~~ 3,000 feet by 3,000 feet.
- (3) Approach-**Departure Clearance Surface** Area (AA). **The start of the approach-departure surface is measured 200 feet from the runway threshold.** This surface is symmetrical about the **extended** runway centerline ~~extended~~, begins as an inclined plane (glide angle) ~~200 beyond~~ **at** each end of the primary surface ~~at~~ **of** the centerline elevation of the runway end, and extends for 50,000 feet **beyond the runway**. The slope of the approach-departure clearance surface is 50 feet horizontally outward for each one foot vertically upward **(50:1)** along runway centerline extended (glide angle) until it reaches an elevation of 500 feet above **the established airfield elevation** ~~from the start of the glide angle~~. **The approach-departure clearance surface continues horizontally at 500 feet to a point 50,000 feet from the start of the glide angle.** The width of this surface at 200-feet beyond

the end of the runway **end** is 2,000 feet; it flares uniformly, and the width at 50,000 feet is 16,000 feet.

- (4) **Transitional Surfaces Area (TA).** These surfaces connect the primary surfaces, CZ surfaces, and the approach-departure clearance surfaces to the outer horizontal surface, conical surface and other horizontal surface, or other transitional surfaces. The slope of the transitional surface is 7:1 outward and upward at right angles to the runway centerline. To determine the elevation for the beginning of the gradient for the transitional surface slope at any point along the lateral boundary of the primary surface including the CZ, draw a line from this point to the runway centerline. This line will be at right angles to the runway axis. The elevation at the runway centerline is the elevation for the beginning of the 7:1 slope. Slopes 7 feet horizontally outward for each one foot vertically upward beginning at the sides of and at the same elevation as the primary surface and the approach surface, and extending to a height of 150 feet above the airport elevation. In addition to the foregoing, there are established height limits sloping 7 feet horizontally outward for each foot vertically upward beginning at the sides of and the same elevation as the approach surface, and extending to where they intersect the conical surface. Where the approach area projects beyond the conical area there are established height limits sloping 7 feet horizontally outward for each foot vertically upward beginning at the sides of the same elevation as the approach surface, and extending a horizontal distance of 5,000 feet measured at 90 degree angles to the extended runway centerline.
- (5) **Inner Horizontal Area (IH).** This surface is an oval plane that lies 150 feet above the established airfield elevation. This plane is constructed by scribing an arc with a radius of 7,500 feet above the centerline of the runway's end and interconnecting these arcs with tangents. The horizontal area is established by swinging arcs of 10,000 feet radii from the center of each end of the primary surface of each runway and connecting the adjacent arcs by drawing lines tangent to those arcs. The horizontal area does not include the approach and transitional areas. The height shall be 150 feet above the primary surface of the adjoining runway.
- (6) **Conical Surface Area (CA).** This is an inclined surface extending outward and upward from the outer periphery of the inner horizontal surface for a horizontal distance of 7,000 feet and to a height of 500 feet above the established airfield elevation. The gradient of the conical surface is 20:1. Slopes twenty feet horizontally outward for each one foot vertically upward beginning at the periphery of the Inner Horizontal area.
- (7) **Outer Horizontal Area (OH).** This surface is a plane located 500 feet above the established airfield elevation that extends for a horizontal distance of 30,000 feet from the outer periphery of the conical surface. It extends for a distance of 30,000 feet from the outer periphery of the conical surface for Seymour Johnson AFB. It also extends to a line 50,000 feet from the north end of the Goldsboro Wayne Airport. Said line shall be 16,000 feet in length centered on the centerline of the runway extended. The Outer Horizontal Area is also established on the north end of the Wayne Executive Jetport fanning out to 16,000 ft in width centered on the centerline of the runway at 50,000 ft from the end of the runway.

Note: Controlling Elevation: Whenever surfaces or planes of the obstructions criteria overlap, the controlling (or governing elevation) is that of the lowest surface or plane.

For Wayne Executive Jetport, the Airport Height Overlay shall be divided into the following sub-areas.

- (1) **Primary Surface (PS).** This surface defines the limits of the obstruction clearance requirements in the immediate vicinity of the landing area. The primary surface

comprises surfaces of the runways, runway shoulders, and lateral safety zones that extend 200 feet beyond the runway end. The width of the primary surface is 1,000 feet or 500 feet on each side of the runway centerline.

- (2) Approach-Departure Surface Area (AA). Slopes fifty (50) feet outward for each foot upward; beginning at the end of and at the same elevation as the primary surface and extending to a horizontal distance of 10,000 feet along the extended runway centerline; thence slopes upward forty (40) feet horizontally for each foot vertically to an additional horizontal distance of 40,000 feet along the extended runway centerline.
- (3) Transitional Surfaces Area (TA). These surfaces connect the primary surfaces and the approach-departure clearance surfaces to the outer horizontal surface, conical surface and other horizontal surface, or other transitional surfaces. The slope of the transitional surface is 7:1 outward and upward at right angles to the runway centerline. To determine the elevation for the beginning of the gradient for the transitional surface slope at any point along the lateral boundary of the primary surface, draw a line from this point to the runway centerline. This line will be at right angles to the runway axis. The elevation at the runway centerline is the elevation for the beginning of the 7:1 slope.
- (4) Horizontal Area (HA). This surface is an oval plane that lies 150 feet above the established airfield elevation. This plane is constructed by scribing an arc with a radius of 10,000 feet above the centerline of the runway's end and interconnecting these arcs with tangents.
- (5) Conical Surface Area (CA). This is an inclined surface extending outward and upward from the outer periphery of the horizontal surface for a horizontal distance of 4,000 feet and to a height of 500 feet above the established airfield elevation. The gradient of the conical surface is 20:1.
- (6) The airport height zones are established based on the latest version of the Airspace Plan within the Wayne Executive Jetport Airport Layout Plan on file with the Wayne County Planning Department.

50.8.10 Approval Procedures.

(1) All development activity regulated by the provisions of the Airport Height Overlay District are also required to follow all applicable general land use regulations of the County of Wayne. Each application for a development permit shall be accompanied by a plat or site plan, drawn to scale, showing accurate dimensions of the lot to be built upon, accurate dimensions of the building to be erected and its location on the lot.

(2) Development activities within the Airport Height Overlay district for Seymour Johnson Air Force Base shall be submitted to the base engineer for review and comment prior to issuance of permits.

50.12 Airport Overlay District⁸⁶

50.12.1 Purpose.

The purpose of the Wayne County Airport Overlay District is to provide for compatible land development in areas subject to frequent aircraft flyover and/or aircraft noise. The district is designed to mitigate the effects of aircraft flights that could increase risks to public health, safety, and quality of life.

50.12.2. Establishment.

The Wayne County Airport Overlay District, known heretofore as the "Airport **Overlay** District," is hereby established as a district that overlaps and overlays existing zoning districts. The district is further divided into seven sub-districts corresponding to the 65 **DNL** ~~dal~~, 70 **DNL** ~~dal~~, 75 **DNL** ~~dal~~, 80 **DNL** ~~dal~~, noise contours, APZ I, and APZ II plus the area within one half mile of the 65 **DNL** ~~dal~~ contour. The Airport District shall apply in those areas designated on the Official Zoning Map of Wayne County.

The provisions of the Airport Overlay District shall not be subject to waivers or variances by the Wayne County Planning Board or the Wayne County Board of Adjustment.

50.12.3. Applicability.

Nothing herein shall require any change in any lawfully constructed building, structure or use in existence at the time of adoption or amendment of this ordinance for its current lawful use.

The provisions of this section shall apply to any application for a building permit, certificate of occupancy, zoning change, special use permits, development permits, vested rights certificates, preliminary and final subdivision/site plan approvals and mobile home parks plan approvals sought after the effective date of this ordinance.

None of the provisions of the Airport Overlay District shall be construed to prohibit the continuance, expansion or reestablishment under current law of any existing use. The noise level reduction design standards apply only to new structures and/or new uses of land and not to structure additions.

Mobile homes moved on to existing mobile home spaces are exempt from the requirements of the Airport Overlay District.

50.12.4 Permitted Uses.

The Airport **Overlay** District is placed on top of several general use districts, which contain a list of permitted uses. Uses permitted whether by right or as a special use shall be permitted in the Airport **Overlay** District according to the standards and restrictions indicated in the following tables **1 and 2**. ~~The numbers following the word "Yes" in the table below indicates the required level of noise reduction in decibels from outside to inside the structure. The Standard Land Use Coding Manual (SLUCM), U.S. Department of Transportation, was used in grouping various land uses. For additional information on permitted uses refer to Guidelines for Considering Noise in Land Use Planning and Control published in June 1980 by the Federal Interagency Committee on Urban Noise. Noise level reduction must be incorporated into the design and construction of portions of buildings where the public is received, office areas, noise sensitive areas, or where the normal noise level is low. Maximum population density requirements as described in section 50.12.12 apply to the following uses.~~

TABLE 1
~~PERMITTED USES AND REQUIRED NOISE LEVEL REDUCTIONS~~

Land Use Compatibility and Accident Potential in the Clear Zone, APZI and APZII

SLUCM NO.	LAND USE NAME	Clear Zone	APZ I	APZ II	Density
10	Residential				

11	Household Units				
11.11	Single Units: detached	N	N	Y	Maximum density of 2 Du/Ac
11.12	Single Units: semi-detached	N	N	N	
11.13	Single Units: attached row	N	N	N	
11.21	Two Units: side-by-side	N	N	N	
11.22	Two Units: one above the other	N	N	N	
11.31	Apartments: walk up	N	N	N	
11.32	Apartments: elevator	N	N	N	
12	Group quarters	N	N	N	
13	Residential hotels	N	N	N	
14	Mobile home parks or courts	N	N	N	
15	Transient lodgings	N	N	N	
16	Other residential	N	N	N	
20	Manufacturing ³				
21	Food and kindred products; manufacturing	N	N	Y	Maximum FAR 0.56 in APZ II
22	Textile mill products; manufacturing	N	N	Y	Maximum FAR 0.56 in APZ II

23	Apparel and other finished products; products made from fabric, leather and similar materials; manufacturing	N	N	N	
24	Lumber and wood products (except furniture); manufacturing	N	Y	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
25	Furniture and fixtures; manufacturing	N	Y	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
26	Paper and allied products; manufacturing	N	Y	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
27	Printing, publishing, and allied industries	N	Y	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
28	Chemicals and allied products; manufacturing	N	N	N	
29	Petroleum refining and related industries	N	N	N	
30	Manufacturing³ (cont.)				
31	Rubber and miscellaneous plastic products; manufacturing	N	N	N	
32	Stone, clay, and glass products; manufacturing	N	N	Y	Maximum FAR 0.56 in APZII

33	Primary metal products; manufacturing	N	N	Y	Maximum FAR 0.56 in APZII
34	Fabricated metal products; manufacturing	N	N	Y	Maximum FAR 0.56 in APZII
35	Professional, scientific, and controlling instruments; photographic and optical goods; watches and clocks	N	N	N	
39	Miscellaneous manufacturing	N	Y	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
40	Transportation, communications, and utilities^{3,4}				
41	Railroad, rapid rail transit, and street railway transportations	N	Y ⁶	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
42	Motor vehicle transportation	N	Y ⁶	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
43	Aircraft transportation	N	Y ⁶	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
44	Marine craft transportation	N	Y ⁶	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII

45	Highway and street right-of-way	Y ⁵	Y ⁶	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
46	Automobile parking	N	Y ⁶	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
47	Communication	N	Y ⁶	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
48	Utilities ⁷	N	Y ⁶	Y ⁶	Maximum FAR 0.28 in APZI and 0.56 in APZII
48.5	Solid waste disposal(landfills, incinerators, etc.)	N	N	N	
49	Other transportation, communication, and utilities	N	Y ⁶	Y	See note 6 below
50	Trade				
51	Wholesale trade	N	Y	Y	Maximum FAR 0.28 in APZI and 0.56 in APZII
52	Retail trade – building materials, hardware and farm equipment	N	Y	Y	See note 8 below
53	Retail trade ⁹ – including shopping centers, discount clubs, home improvement stores, electronics superstores, etc.	N	N	Y	Maximum FAR 0.16 in APZII

54	Retail trade – food	N	N	Y	Maximum FAR 0.24 in APZII
55	Retail trade – automotive, marine craft, aircraft, and accessories	N	Y	Y	Maximum FAR 0.14 in APZI & 0.28 in APZII
56	Retail trade – apparel and accessories	N	N	Y	Maximum FAR 0.28 in APZII
57	Retail trade – furniture, home furnishings and equipment	N	N	Y	Maximum FAR 0.28 in APZII
58	Retail trade – eating and drinking establishments	N	N	N	
59	Other retail trade	N	N	Y	Maximum FAR 0.16 in APZII
60	Services ¹⁰				
61	Finance, insurance, and real estate services	N	N	Y	Maximum FAR 0.22 in APZII
62	Personal services	N	N	Y	Office uses only. Maximum FAR 0.22 in APZII
62.4	Cemeteries	N	Y ¹¹	Y ¹¹	

63	Business services (credit reporting, mail, stenographic, reproduction; advertising)	N	N	Y	Maximum FAR 0.22 in APZII
63.7	Warehousing and storage services ¹²	N	Y	Y	Maximum FAR 1.0 in APZI & 2.0 in APZII
64	Repair services	N	Y	Y	Maximum FAR 0.11 in APZI & 0.22 in APZII
65	Professional services	N	N	Y	Maximum FAR 0.22 in APZII
65.1	Hospitals, nursing homes	N	N	N	
65.1	Other medical facilities	N	N	N	
66	Contract construction services	N	Y	Y	Maximum FAR 0.11 in APZI & 0.22 in APZII
67	Government services	N	N	Y	Maximum FAR 0.24 in APZII
68	Educational services	N	N	N	
68.1	Child care services, child development centers, and nurseries	N	N	N	
69	Miscellaneous	N	N	Y	Maximum FAR 0.22 in APZII

69.1	Religious activities	N	N	N	
70	Cultural, entertainment, and recreational				
71	Cultural activities	N	N	N	
71.2	Nature exhibits	N	γ^{13}	γ^{13}	
72	Public assembly	N	N	N	
72.1	Auditoriums, concert halls	N	N	N	
72.11	Outdoor music shells, amphitheaters	N	N	N	
72.2	Outdoor sports arenas, spectator sports	N	N	N	
73	Amusements- fairgrounds, miniature golf, driving ranges; amusement parks, etc.	N	N	Y	
74	Recreational activities (including golf courses, riding stables, water recreation)	N	γ^{13}	γ^{13}	Maximum FAR 0.11 in APZI & 0.22 in APZII
75	Resorts and group camps	N	N	N	
76	Parks	N	γ^{13}	γ^{13}	Maximum FAR 0.11 in APZI & 0.22 in APZII
79	Other cultural, entertainment, and recreation	N	γ^{11}	γ^{11}	Maximum FAR 0.11 in APZI & 0.22 in APZII
80	Resource production and extraction				
81	Agriculture (except livestock)	γ^4	γ^{14}	γ^{14}	

81.5, 81.7	Livestock farming and breeding	N	γ^{14}	γ^{15}	
82	Agricultural related activities	N	γ^{14}	γ^{15}	Maximum FAR 0.28 in APZI & 0.56 in APZII; no activity that produces smoke, glare or involves explosives
83	Forestry activities ¹⁶	N	Y	Y	Maximum FAR 0.28 in APZI & 0.56 in APZII; no activity that produces smoke, glare or involves explosives
84	Fishing activities ¹⁷	N ¹⁷	Y	Y	Maximum FAR 0.28 in APZI & 0.56 in APZII; no activity that produces smoke, glare or involves explosives
85	Mining activities ¹⁸	N	γ^{18}	γ^{18}	Maximum FAR 0.28 in APZI & 0.56 in APZII; no activity that produces smoke, glare

					or involves explosives
89	Other resources production or extraction	N	Y	Y	Maximum FAR 0.28 in APZI & 0.56 in APZII; no activity that produces smoke, glare or involves explosives
90	Other				
91	Undeveloped land	Y	Y	Y	
93	Water areas ¹⁹	N ¹⁹	N ¹⁹	N ¹⁹	

KEY TO TABLE 1. LAND USE COMPATIBILITY AND ACCIDENT POTENTIAL

SLUCM - Standard Land Use Coding Manual, U.S. Department of Transportation

Y (Yes) - Land uses and related structures are normally compatible without restriction.

N (No) - Land uses and related structures are not normally compatible and are prohibited.

Y^x - Yes with restrictions. The land uses and related structures are generally compatible; however, see notes indicated by the superscript.

N^x - No with exceptions. The land uses and related structures are generally incompatible; however, see notes indicated by the superscript.

FAR - Floor Area Ratio. A floor area ratio is the ratio between the square feet of floor area of the building and the gross site area. It is customarily used to measure non-residential intensities.

Du/Ac - Dwelling Units per Acre. This is customarily used to measure residential densities.

NOTES FOR TABLE 1. LAND USE COMPATIBILITY AND ACCIDENT POTENTIAL

1. A "Yes" or a "No" designation for compatible land use is to be used only for general comparison. Within each, uses exist where further evaluation may be needed in each category as to whether it is clearly compatible, normally compatible, or not compatible due to the variation of densities of people and structures. In general, land use restrictions that limit occupants, including employees, of commercial, service, or industrial buildings or structures to 25 per acre in APZ I and 50 per acre in APZ II are considered to be low density. Outside events should normally be limited to assemblies of not more than 25 people per acre in APZ I, and maximum assemblies of 50 people per acre in APZ II. FARs are calculated using standard parking generation rates for various land uses, vehicle occupancy rates, and desired density in APZ I and APZ II. For APZ I, the formula is $FAR = 25 \text{ people per acre} / (\text{Average Vehicle Occupancy} \times \text{Average Parking Rate} \times (43560/1000))$. The formula for APZ II is $FAR = 50 / (\text{Average Vehicle Occupancy} \times \text{Average Parking Rate} \times (43560/1000))$.
2. The maximum density for detached single family housing is two Du/Ac. In a planned unit development (PUD) of single family detached units where clustered housing development results in large open areas, this density could possibly be increased slightly provided the amount of surface area covered by structures does not exceed 20 percent of the PUD total area. PUD encourages clustered development that leaves large open areas.
3. Other factors to be considered: Labor intensity, structural coverage, explosive characteristics, air pollution, electronic interference with aircraft, height of structures, and potential glare to pilots.
4. No structures (except airfield lighting and navigational aids necessary for the safe operation of the airfield when there are no other siting options), buildings, or above-ground utility and communications lines shall be located in Clear Zone areas on or off Seymour Johnson Air Force Base. The Clear Zone is subject to the most severe restrictions.
5. Rights-of-way for fenced highways, without sidewalks or bicycle trails, are allowed.
6. No above-ground passenger terminals and no above-ground power transmission or distribution lines. Prohibited power lines include high-voltage transmission lines and distribution lines that provide power to cities, towns, or regional power for unincorporated areas.
7. Development of renewable energy resources, including solar and geothermal facilities and wind turbines, may impact military operations through hazards to flight or electromagnetic interference. Each new development shall be analyzed for compatibility issues on a case-by-case basis that considers both the proposal and potentially-affected mission.
8. Within SLUCM Code 52, maximum FARs for lumberyards (SLUCM Code 521) are 0.20 in APZ I and 0.40 in APZ II. For hardware, paint, and farm equipment stores, SLUCM Code 525, the maximum FARs are 0.12 in APZ I and 0.24 in APZ II.
9. A shopping center is an integrated group of commercial establishments that is planned, developed, owned, or managed as a unit. Shopping center types include strip, neighborhood, community, regional, and super-regional facilities anchored by small businesses, a supermarket or drug store, discount retailer, department store, or several department stores, respectively. Included in this category are such uses as big box discount clubs, home improvement superstores, office supply superstores, and electronics superstores. The maximum recommended FAR for SLUCM 53 shall be applied to the gross

leasable area of the shopping center rather than attempting to use other recommended FARs listed in Table 1 under Retail or Trade.

10. Ancillary uses such as meeting places, auditoriums, etc., are not allowed.

11. No chapels or houses of worship are allowed within APZ I or APZ II.

12. Big box home improvement stores are not included as part of this category.

13. Facilities must be low intensity, and provide no playgrounds, etc. Facilities such as clubs houses, meeting places, auditoriums, large classes, etc., are not allowed.

14. Livestock grazing is a compatible land use, but feedlots and intensive animal husbandry are excluded. Activities that attract concentrations of birds creating a hazard to aircraft operations shall be excluded.

15. Feedlots and intensive animal husbandry are included as compatible land uses.

16. Lumber and timber products removed due to establishment, expansion, or maintenance of Clear Zone lands owned in fee will be disposed of in accordance with applicable DoD guidance.

17. Controlled hunting and fishing may be permitted for the purpose of wildlife management.

18. Surface mining operations that could create retention ponds that may attract waterfowl and present bird/wildlife aircraft strike hazards (BASH), or operations that produce dust or light emissions that could affect pilot vision are not compatible.

19. Naturally occurring water features (e.g., rivers, lakes, streams, wetlands) are pre-existing, nonconforming land uses. Naturally occurring water features that attract waterfowl present a potential BASH. Actions to expand naturally occurring water features or construction of new water features shall not be encouraged. If construction of new features is necessary for storm water retention, such features shall be designed so that they do not attract waterfowl.

Table 2. Land Use Compatibility and Noise Exposure

LAND USE		LAND USE COMPATIBILITY				
SLUCM NO.	LAND USE NAME	DNL 65-69	DNL 70-74	DNL 75-79	DNL 80-84	DNL 85+
10	Residential					
11	Household Units	N ¹	N ¹	N	N	N
11.11	Single Units: detached	N ¹	N ¹	N	N	N

11.12	Single Units: semi-detached	N ¹	N ¹	N	N	N
11.13	Single Units: attached row	N ¹	N ¹	N	N	N
11.21	Two Units: side-by-side	N ¹	N ¹	N	N	N
11.22	Two Units: one above the other	N ¹	N ¹	N	N	N
11.31	Apartments: walk up	N ¹	N ¹	N	N	N
11.32	Apartments: elevator	N ¹	N ¹	N	N	N
12	Group quarters	N ¹	N ¹	N	N	N
13	Residential hotels	N ¹	N ¹	N	N	N
14	Mobile home parks or courts	N	N	N	N	N
15	Transient lodgings	N ¹	N ¹	N ¹	N	N
16	Other residential	N ¹	N ¹	N	N	N
20	Manufacturing					
21	Food and kindred products; manufacturing	Y	Y ²	Y ³	Y ⁴	N
22	Textile mill products; manufacturing	Y	Y ²	Y ³	Y ⁴	N
23	Apparel and other finished products; products made from fabric, leather and similar materials; manufacturing	Y	Y ²	Y ³	Y ⁴	N

24	Lumber and wood products (except furniture); manufacturing	Y	Y ²	Y ³	Y ⁴	N
25	Furniture and fixtures; manufacturing	Y	Y ²	Y ³	Y ⁴	N
26	Paper and allied products; manufacturing	Y	Y ²	Y ³	Y ⁴	N
27	Printing, publishing, and allied industries	Y	Y ²	Y ³	Y ⁴	N
28	Chemicals and allied products; manufacturing	Y	Y ²	Y ³	Y ⁴	N
29	Petroleum refining and related industries	Y	Y ²	Y ³	Y ⁴	N
30	Manufacturing (cont.)					
31	Rubber and miscellaneous plastic products; manufacturing	Y	Y ²	Y ³	Y ⁴	N
32	Stone, clay, and glass products; manufacturing	Y	Y ²	Y ³	Y ⁴	N
33	Primary metal products; manufacturing	Y	Y ²	Y ³	Y ⁴	N
34	Fabricated metal products; manufacturing	Y	Y ²	Y ³	Y ⁴	N
35	Professional, scientific, and controlling instruments; photographic and optical goods; watches and clocks	Y	25	30	N	N
39	Miscellaneous	Y	Y ²	Y ³	Y ⁴	N

	manufacturing					
40	Transportation, communications, and utilities					
41	Railroad, rapid rail transit, and street railway transportations	Y	Y ²	Y ³	Y ⁴	N
42	Motor vehicle transportation	Y	Y ²	Y ³	Y ⁴	N
43	Aircraft transportation	Y	Y ²	Y ³	Y ⁴	N
44	Marine craft transportation	Y	Y ²	Y ³	Y ⁴	N
45	Highway and street right-of-way	Y	Y	Y	Y	N
46	Automobile parking	Y	Y	Y	Y	N
47	Communication	Y	25 ⁵	30 ⁵	N	N
48	Utilities	Y	Y ²	Y ³	Y ⁴	N
49	Other transportation, communication, and utilities	Y	25 ⁵	30 ⁵	N	N
50	Trade					
51	Wholesale trade	Y	Y ²	Y ³	Y ⁴	N
52	Retail trade – building materials, hardware and farm equipment	Y	25	30	Y ⁴	N
53	Retail trade – including shopping centers, discount clubs, home improvement stores, electronics superstores, etc.	Y	25	30	N	N
54	Retail trade – food	Y	25	30	N	N

55	Retail trade – automotive, marine craft, aircraft, and accessories	Y	25	30	N	N
56	Retail trade – apparel and accessories	Y	25	30	N	N
57	Retail trade – furniture, home furnishings and equipment	Y	25	30	N	N
58	Retail trade – eating and drinking establishments	Y	25	30	N	N
59	Other retail trade	Y	25	30	N	N
60	Services					
61	Finance, insurance, and real estate services	Y	25	30	N	N
62	Personal services	Y	25	30	N	N
62.4	Cemeteries	Y	Y ²	Y ³	Y ^{4, 11}	Y ^{6, 11}
63	Business services (credit reporting; mail, stenographic, reproduction; advertising	Y	25	30	N	N
63.7	Warehousing and storage services	Y	Y ²	Y ³	Y ⁴	N
64	Repair services	Y	Y ²	Y ³	Y ⁴	N
65	Professional services	Y	25	30	N	N
65.1	Hospitals, Other medical facilities	25	30	N	N	N
65.16	Nursing homes	N ¹	N ¹	N	N	N

66	Contract construction services	Y	25	30	N	N
67	Government services	Y ¹	25	30	N	N
68	Educational services	25	30	N	N	N
68.1	Child care services, child development centers, and nurseries	25	30	N	N	N
69	Miscellaneous	Y	25	30	N	N
69.1	Religious activities	Y	25	30	N	N
70	Cultural, entertainment, and recreational					
71	Cultural activities	25	30	N	N	N
71.2	Nature exhibits	Y ¹	N	N	N	N
72	Public assembly	Y	N	N	N	N
72.1	Auditoriums, concert halls	25	30	N	N	N
72.11	Outdoor music shells, amphitheaters	N	N	N	N	N
72.2	Outdoor sports arenas, spectator sports	Y ⁷	Y ⁷	N	N	N
73	Amusements- fairgrounds, miniature golf, driving ranges; amusement parks, etc.	Y	Y	N	N	N
74	Recreational activities (including golf courses, riding stables, water recreation)	Y	25	30	N	N

75	Resorts and group camps	Y	25	N	N	N
76	Parks	Y	25	N	N	N
79	Other cultural, entertainment, and recreation	Y	25	N	N	N
80	Resource production and extraction					
81	Agriculture (except livestock)	Y ⁸	Y ⁹	Y ¹⁰	Y ^{10,11}	Y ^{10,11}
81.5	Livestock farming and breeding	Y ⁸	Y ⁹	N	N	N
81.7	Animal breeding	Y ⁸	Y ⁹	N	N	N
82	Agricultural related activities	Y ⁸	Y ⁹	Y ¹⁰	Y ^{10,11}	Y ^{10,11}
83	Forestry activities	Y ⁸	Y ⁹	Y ¹⁰	Y ^{10,11}	Y ^{10,11}
84	Fishing activities	Y	Y	Y	Y	Y
85	Mining activities	Y	Y	Y	Y	Y
89	Other resources production or extraction	Y	Y	Y	Y	Y

KEY TO TABLE 2. LAND USE COMPATIBILITY AND NOISE EXPOSURE

SLUCM - Standard Land Use Coding Manual, U.S. Department of Transportation

Y (Yes) - Land uses and related structures are normally compatible without restriction.

N (No) - Land uses and related structures are not normally compatible and are prohibited.

Y^x - Yes with restrictions. The land uses and related structures are generally compatible; however, see notes indicated by the superscript.

N^x - No with exceptions. The land uses and related structures are generally incompatible; however, see notes indicated by the superscript.

25, 30, or 35 - The numbers refer to noise level reduction (NLR) levels. NLR (outdoor to indoor) is achieved through the incorporation of noise attenuation into the design and construction of a structure. Land use and related structures are generally compatible; however, measures to achieve NLR of 25, 30, or 35 must be incorporated into design and construction of structures. However, measures to achieve an overall noise reduction do not necessarily solve noise difficulties outside the structure and additional evaluation is warranted. Also, see notes indicated by superscripts where they appear with one of these numbers.

DNL - Day-Night Average Sound Level

NOTES FOR TABLE 2. LAND USE COMPATIBILITY AND NOISE EXPOSURE

1. General

a. Although local conditions regarding the need for housing may require residential use in these zones, residential use is discouraged in DNL 65-69 and strongly discouraged in DNL 70-74. The absence of viable alternative development options shall be determined and an evaluation shall be conducted locally prior to local approvals indicating that a demonstrated community need for the residential use would not be met if development were prohibited in these zones. Existing residential development is considered as pre-existing, nonconforming land uses.

b. Where the community determines that these uses must be allowed, measures to achieve outdoor to indoor NLR of at least 25 decibels (dB) in DNL 65-69 and 30 dB in DNL 70-74 shall be incorporated into building codes and be considered in individual approvals; for transient housing, an NLR of at least 35 dB shall be incorporated in DNL 75-79.

c. Normal permanent construction can be expected to provide an NLR of 20 dB, thus the reduction requirements are often stated as 5, 10, or 15 dB over standard construction and normally assume mechanical ventilation, upgraded sound transmission class ratings in windows and doors, and closed windows year round. Additional consideration shall be given to modifying NLR levels based on peak noise levels or vibrations.

d. NLR criteria will not eliminate outdoor noise problems. However, building location, site planning, design, and use of berms and barriers can help mitigate outdoor noise exposure particularly from ground level sources. Measures that reduce noise at a site shall be used wherever practical in preference to measures that only protect interior spaces.

2. Measures to achieve a NLR of 25 must be incorporated into the design and construction of portions of these buildings where the public is received, office areas, noise sensitive areas, or where the normal noise level is low.

3. Measures to achieve a NLR of 30 must be incorporated into the design and construction of portions of these buildings where the public is received, office areas, noise sensitive areas, or where the normal noise level is low.

4. Measures to achieve a NLR of 35 must be incorporated into the design and construction of portions of these buildings where the public is received, office areas, noise sensitive areas, or where the normal noise level is low.

5. If a projector proposed development is noise sensitive, use indicated NLR; if not, land use compatible without NLR.
6. Buildings are not permitted.
7. Land use is compatible provided special sound reinforcement systems are installed.
8. Residential buildings require a NLR of 25.
9. Residential buildings require a NLR of 30.
10. Residential buildings are not permitted.
11. Land use that involves outdoor activities is not recommended, but if the community allows such activities, hearing protection devices should be worn when noise sources are present. Long-term exposure (multiple hours per day over many years) to high noise levels can cause hearing loss in some unprotected individuals.

50.12.5 Noise level reduction.

Prior to the issuance of a building permit for a new structure in the Airport Overlay District shown on ~~Table 1 Permitted Uses and Required Noise Level Reductions~~ **Table 2 Land Use Compatibility and Noise Exposure**, a qualified professional satisfactory to the Inspections Department shall certify that the design standards, construction standards and/or materials used to construct the structure will achieve **the required noise level reduction as identified in Table 2.** ~~at least outside to inside noise reduction level of at least 25 decibels in the 65 noise contour, 30 decibels in the 70 noise contour and 35 decibels in the 75 contour and above if the structure allowed to be built has a number indicating a reduction in interior noise is required and if there is a question of sound level in the proposed structure.~~

50.12.6 Required approvals.

The construction standards of this ordinance shall be applied to plans and specifications for any proposed structure or use in the Airport District. The Wayne County Building Inspections office shall issue a building permit only when the applicant can establish that noise level requirements of this ordinance shall be met prior to the occupancy or use of a building hereafter erected, altered, or moved and/or prior to the change of use of any building or land.

None of the provisions of the Airport Overlay District shall be construed to prohibit the continuance, expansion or reestablishment under current law of any existing use. The noise level reduction design standards apply only to new structures and/or new uses of land and not to structure additions.

50.12.7 Approval procedures.

All development activity regulated by the provisions of the Airport Overlay District are also required to follow all applicable general land use regulations of the County of Wayne.

Each application for a development permit shall be accompanied by a plat or site plan, drawn to scale, showing accurate dimensions of the lot to be built upon, accurate dimensions of the building to be erected and its location on the lot. In addition, in the Airport District, the applicant shall submit detailed cross sections of exterior walls, roofs, ceilings, etc., manufacturers' specification of windows, doors, skylights etc. and details of the heating, air

conditioning and ventilation sufficient for the building inspection department to determine compliance with the provision of this section,

50.12.8 Approval criteria.

Development in the Airport **Overlay** District must meet all the applicable regulations of the general or special use district in which the property is located.

In addition, the approval criteria shall include the permitted uses and the corresponding noise level reduction requirements of the Airport **Overlay** District found in the ~~table of Permitted Uses and Required Noise Level Reductions~~ **Table 2 Land Use Compatibility and Noise Exposure**.

~~50.12.9~~ Maximum population density requirements.

~~The maximum population density requirements shall apply to uses other than residential and churches. The underlying zoning minimum lot size controls residential density. Uses are compatible if they do not result in a gathering of individuals in an area that would result in an average density or greater than 25 persons per acre during a 24-hour period, not to exceed 50 persons per acre at any time.~~

~~Average densities of persons per hour during a 24-hour period are determined by calculating the number of persons per acre expected on a site; multiplying by the number of hours they will be on the site, and dividing the total by 24.~~

~~Example # 1. One 8-hour shift of 30 workers on a one-acre site.~~

~~Average density = 30 persons expected × 8 hours on site = 240~~

~~Then 240/24 = 10; Therefore average density = 10 persons per acre per hour per a 24-hour period.~~

~~Example # 2. Two 8-hour shifts of 30 workers on a one-acre site.~~

~~Average density = 30 persons expected × 16 hours on site = 480~~

~~Then 480/24 = 20; Therefore average density = 20 persons per acre per hour per a 24-hour period.~~

~~The maximum density of persons allowed per acre per hour is calculated by dividing the number of hours persons will be on site by 24 hours, and then dividing 25 persons per acre per hour by the result. The resulting number is the maximum number of persons allowed per acre per hour, provided it does not exceed 50. Fifty persons per acre at any one time is the maximum number of persons allowed under this standard.~~

~~Example. Maximum density for two 8-hour shifts on a one-acre site.~~

~~25 divided 16/24 = 37.5 persons per acre per hour allowed.~~

~~The following table specifies the maximum persons per acre per hour for the duration of the time that persons are expected to be on site during a 24-hour period.~~

TABLE 2

Hours of Operation Per Day	Maximum Persons Allowed Per Acre During Each Hour
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24	25
23	26
22	27
21	28
20	30
19	31
18	33
17	35
16	37
15	40
14	42
13	46
12 or less	50*

Note: Fractions in the "Maximum Persons Allowed" column are rounded to the lowest whole number.

*Concentration of people may not exceed 50 people/acre at any time.

50.12.409 Notice and disclosure to purchasers/lessees required.

The current Airport Overlay District including noise level contours and accident potential zones shall be indicated on any preliminary or final subdivision plat, master plan, site specific development plan or any other document filed as part of any approval process with the County of Wayne Planning Department after the effective date of this ordinance.

The following notice must appear on any of the above referenced plans or documents:

Property shown on this plan/plat is within the County of Wayne Airport Overlay District. All or a portion of the property described hereon is within an area with an average noise level near to or exceeding 65 dnl **DNL**.

50.12.4410 Definitions.

1. DNL: The A-weighted average sound level in decibels during a 24-hour period with a 10-decibel weighting applied to nighttime sound levels.
2. Noise level reduction: Difference in decibels, between the noise level outside a building as shown on the Airport Overlay District Map and the noise level inside a designated room in the building that was caused by exterior noise.
3. Noise Zone: Any area of land or water that is between two noise contour lines.
4. Occupied Rooms: Rooms within an enclosed structure that are, or may reasonably be expected to be used for human activities, which involve speech communications, sleeping, eating, listening to live, recorded or broadcast music or speech, or regular usage of telephones.
5. STC—Sound transmission class: A single figure rating of the sound insulating properties of a partition as determined by methods described in "Determination of Sound Transmission Class," American Society of Testing and Materials Designation E413-73.

NO.	DATE	REVISION RECORD
1	02/25/2014	ISSUED FOR PERMIT
2	03/10/2014	REVISED FOR COMMENTS
3	03/10/2014	REVISED FOR COMMENTS
4	03/10/2014	REVISED FOR COMMENTS
5	03/10/2014	REVISED FOR COMMENTS
6	03/10/2014	REVISED FOR COMMENTS
7	03/10/2014	REVISED FOR COMMENTS
8	03/10/2014	REVISED FOR COMMENTS
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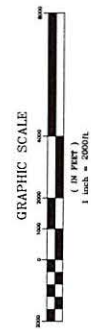
PROJECT NAME: WAYNE EXECUTIVE JETPORT (GWM)
AIRPORT LAYOUT PLAN
PIKEVILLE, NORTH CAROLINA
DRAWING TITLE: AIRSPACE PLAN

PROJ. NO.: 20170239-00-BA
SHEET NO.: 3 OF 14
DATE: 03/10/2014
DESIGN BY: JAR
CHECKED BY: JAR
DRAWN BY: JAR
PLANNING NAME: JAR

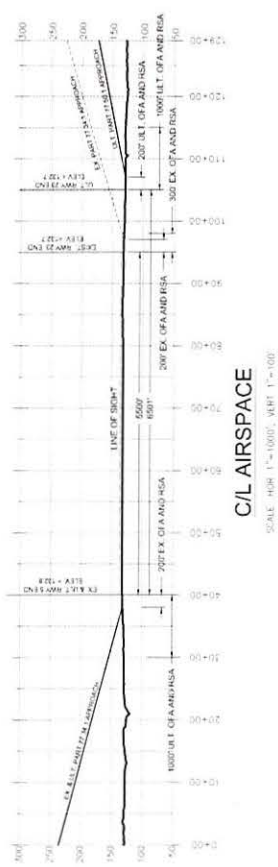
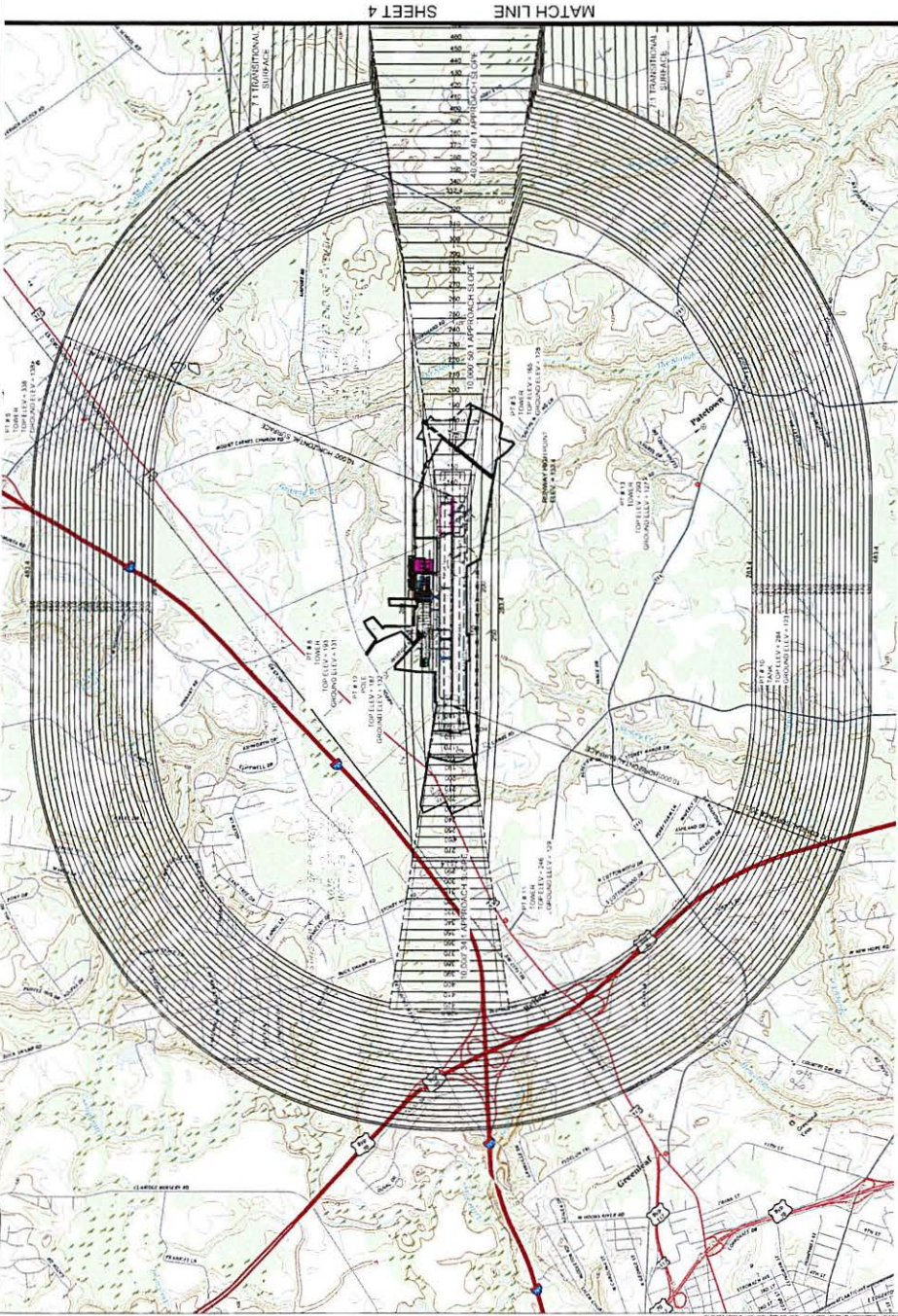
PLANNING DOCUMENT - FINAL

MAG. DEC. 9° 35' (W) JUNE 2019
RATE OF CHANGE = 0.1 WYR
TRUE

EXISTING OBSTRUCTIONS	OBSTACLE ELEVATION	OBSTACLE IDENTIFICATION	OBSTACLE LOCATION
1	1000.0	WIND TOWER	NORTH
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- NOTES:
1. THE AIRSPACE PLAN IS BASED ON THE LATEST AVAILABLE DATA. THE AIRSPACE PLAN IS SUBJECT TO CHANGE WITHOUT NOTICE.
 2. THE AIRSPACE PLAN IS BASED ON THE LATEST AVAILABLE DATA. THE AIRSPACE PLAN IS SUBJECT TO CHANGE WITHOUT NOTICE.
 3. THE AIRSPACE PLAN IS BASED ON THE LATEST AVAILABLE DATA. THE AIRSPACE PLAN IS SUBJECT TO CHANGE WITHOUT NOTICE.
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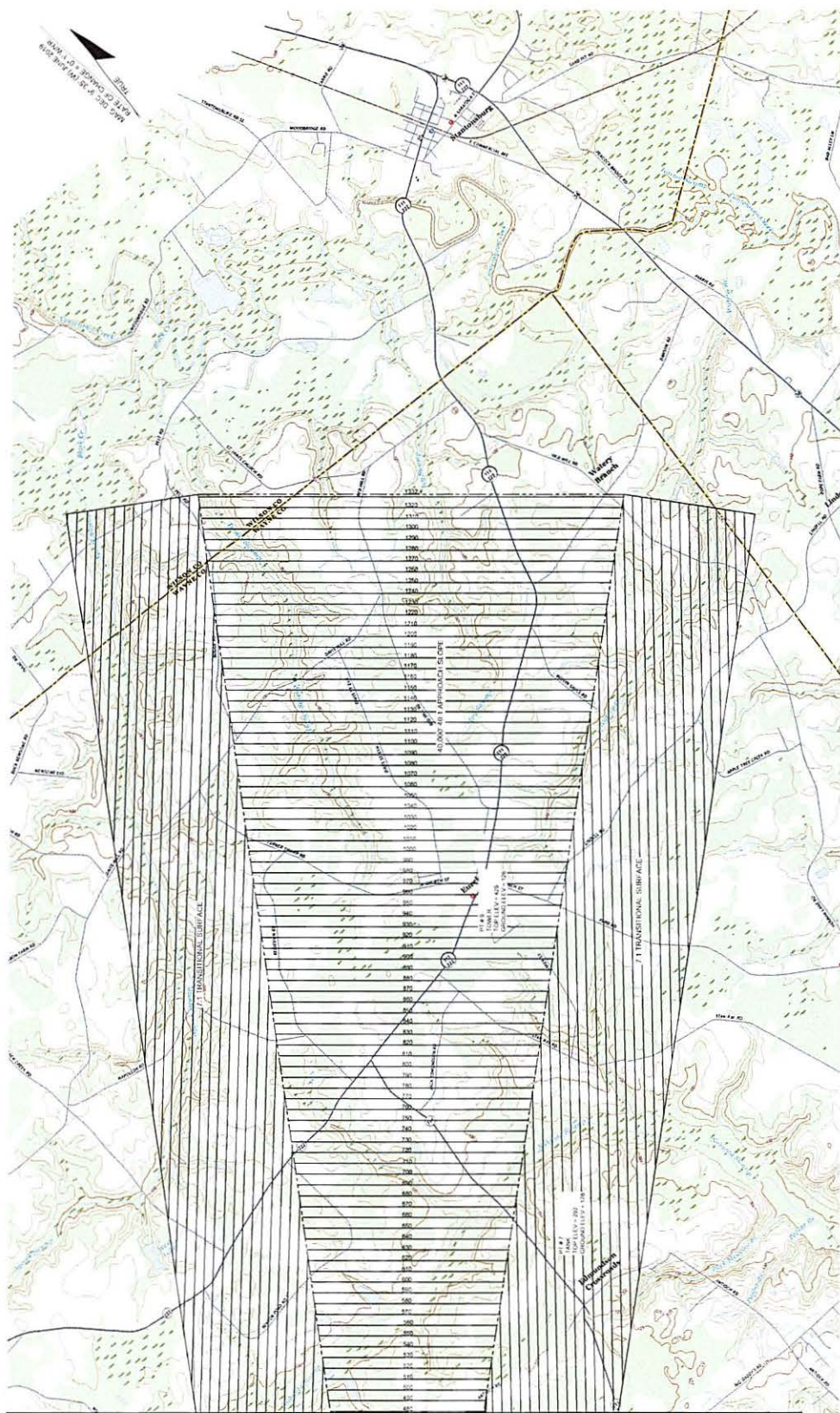


[illegible]

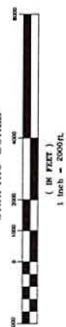
PROJECT NAME	WING TITLE
WAYNE EXECUTIVE JETPORT (GWW)	AIRPORT LAYOUT PLAN
	PIKEVILLE, NORTH CAROLINA
	AIRSPACE PLAN

HOJ MGR	JER
DESIGN BY	FEL
DRAWN BY	JER
HOJ DATE	12-12-2019
DRAWING NUMBER	
4 OF 14	
WKD PROJ. NO.	
20170299.00.RA	

PLANNING DOCUMENT - FINAL



GRAPHIC SCALE



Notes

- OBSTRUCTION DATA EXTRACTED FROM DIGITAL OBSTACLE
 DATA FROM THE NATIONAL INFORMATION
 SERVICE ON SEPTEMBER 14, 2015.
- FOR CLOSE-IN OBSTRUCTIONS REFER TO "CLOSE APPROACH"
 AND DEPARTURE "ARRIVAL PLANS" ALL OTHER "PLAN"
 OBSTRUCTIONS ARE SHOWN HERE
- OBJECT TYPE: WRECKED QUAD WAS USED TO REPAIR THIS
 PLAN.
- WAKE: COUNTRY REPORT AND WAKE RESOLUTION: 10000000
 PLACE: AIRPORT ZONE CODE: WITHIN THE AIRPORT (CURRENT
 AIRPORT)
- INTERFERING CONDITIONS: NONE (OBTAINED JANUARY 2019)
 BY: CH

EXISTING OBSTRUCTIONS					
POINT #	DESCRIPTION	OBSTACLE ELEVATION	GROUND ELEVATION	INTERFERENCE PREDICTION	STATION PREDICTION
2	TOWER 1	202	128	NOISE	NOISE
3	TOWER 2	208	136	NOISE	NOISE

MATCH LINE SHEET 3

Work Authorization #14 – Amendment #1
Wayne Executive Jetport (GWW)
Wayne County, North Carolina
GWW: Airfield Drainage Improvements – Phase 2 (Design & Bidding)
January 2, 2025

WBS: 36237.22.TBD (FY 23 Supplemental Discretionary Funds)
Partner Connect Request Number: 5004

CONTRACT FOR PROFESSIONAL SERVICES
Dated April 21, 2021
(Expiration Date: April 21, 2025)

PROJECT DESCRIPTION

Wayne County (OWNER) wishes to proceed with design and bidding phase services for the Airfield Drainage Improvements – Phase 2 project at the Wayne Executive Jetport (GWW). The project is the 2nd phase of a larger and more comprehensive effort currently underway to address drainage issues on the airfield. The existing stormwater drainage from the entire airfield flows north to south, towards the Runway 5 end, and eventually off airport property on the south end of the airfield. The current drainage system includes undersized pipes under taxiways and highly eroded ditches that have nearly vertical side slopes and are very difficult to maintain. The ditches have a large amount of sediment accumulation and are sloped uphill, causing water to pond and decrease the drainage efficiency in many locations. GWW has had problems in the past with water being backed up in ditches and flooding the adjacent taxiways during large storms.

Exhibit 1 – Airfield Drainage Improvements Phasing



Phase 1 has been bid and is currently under construction. The current Phase 1 construction project area is shown above in Exhibit 1 and includes the base bid items from GWW's Stormwater Improvements project that was designed and bid through Work Authorization #3. Additive bid items that were not previously awarded will be added to the Phase 2 construction project and are included in the approximate Phase 2 project area shown in Exhibit 1.

The Categorical Exclusion (CATEX) for this project is being completed under the original Work Authorization #14. This amendment will include all services necessary for design and bidding of the project. The design and bidding for this project will be funded by a recently awarded FAA Supplemental Discretionary grant, plus the OWNER's local match. Grant administration is excluded from the current work authorization as it is anticipated that the costs will be reimbursed once the FAA Supplemental Discretionary grant is opened.

The below scope of services outlines project management, design and plan preparation, erosion & sediment control permit, and bidding services to be provided by WK Dickson (ENGINEER) to assist the OWNER with this project. This scope of work and fee estimate includes the work that is known to be required for this project as defined below:

SCOPE OF SERVICES

Basic Services

The ENGINEER will provide the Basic Services listed below and in accordance with Section I of the General Provisions of the Contract for Professional Services, April 21, 2021.

1. **Project Management:** Project Management shall generally consist of the following:
 - a. Project Formulation and Scope Development.
 - b. Work authorization development and facilitation of NCDOT, Division of Aviation (DOA) review and Independent Fee Analysis (IFA).
 - c. Develop and update project schedule, budget, and cash flow.
 - d. General project management including invoicing, scheduling, and coordination.
 - e. General Owner and DOA coordination.
2. **Design and Plan Preparation:** The ENGINEER will perform design and plan preparation phase services as follows:
 - a. Create new base files with survey and incorporate work completed in Phase 1 as existing elements. The additive bid items from Phase 1 that were not awarded will be repackaged and combined with the new design elements added in Phase 2.



- b. Perform drainage calculations for design.
- c. The ENGINEER will conduct design for the new project elements between the runway and taxiway and submit 90% drawings, specifications, and cost estimate to OWNER and DOA for review and approval. It is anticipated that the 90% design drawings will generally consist of the following elements:
 - Cover & Index Sheet
 - General Notes
 - Construction Safety and Phasing Plan
 - Sheet Index
 - Plan & Profile Sheets
 - Typical Sections
 - Construction Details
 - Erosion Control Notes
 - Erosion Control Plan
 - Erosion Control Details
- d. Quantity calculations and preparation of updated cost estimates for 90% and final submittals.
- e. Preparation of technical specifications in accordance with FAA Advisory Circular 150/5370-10H.
- f. Preparation of front-end project specifications to include the Advertisement and Instructions to Bidders, Bid Forms, Construction Contract, General Provisions, and Special Provisions.
- g. Engineer will submit construction estimate and coordinate with DOA for determination of minority goal in conjunction with the 90% submittal and prior to developing bid documents and advertisements.
- h. Prepare responses to comments provided from DOA review of plans and specifications and incorporate any changes.
- i. Prepare final design, contract drawings, specifications and contract documents.
- j. Prepare and submit Construction Safety and Phasing Plan (CSPP) and the required checklist from Appendix C of Advisory Circular 150/5370-2G to DOA for review. ENGINEER will facilitate review process and address review comments to achieve DOA concurrence prior to submitting to FAA for approval.
- k. Preparation of Form 7460-1, Notice of Proposed Construction, and submittal to FAA for approval prior to construction for temporary construction and CSPP cases.



- l. Prepare the final engineer's report which shall include an analysis and reasons for the design choices; an analysis of the manner that the work will be accomplished; and a project cost estimate based upon the final design. The report shall include all requirements outlined in DOA's AV-203 Engineer Design Report Outline.
 - m. ENGINEER will perform an internal Quality Control (QC) review of the plans, specifications, and contract documents prior to advertising project.
 3. **Erosion and Sediment Control Permit:** Preparation and submittal of application and supporting documentation and coordination to obtain the required NCDEQ Erosion and Sedimentation Control Permit. Erosion and Sedimentation Control Permit services shall include the following:
 - a. Erosion control measures design calculations.
 - b. Application package preparation and submittal.
 - Preparation of drainage maps and figures.
 - Preparation of construction narrative and sequence of construction.
 - Completion of Financial Responsibility/Ownership Form and coordination with OWNER for signatures and check for permit fee.
 - Compilation of Erosion Control Report, including all documents required by the Erosion and Sediment Control Permit checklist, and submittal to NCDEQ for review.
 - c. Facilitation of Review Comments/Responses
 - Review comment coordination with NCDEQ.
 - Revise plans, calculations, and specifications as required based on review comments.
 - Prepare comment response and compile revised plans and supporting documents for submittal to NCDEQ.

Facilitation of up to one round of review comments with NCDEQ will be provided. If required, additional facilitation of review comments beyond the first round will be provided as an additional service and is excluded from this scope of services. All permit fees will be paid by the OWNER.

4. **Bidding:** Bidding services and the bid opening will be completed in accordance with state bidding laws. The ENGINEER will provide the following Bidding services:
 - a. Assist the Owner with advertising the project and distributing the bid documents. The actual cost of the newspaper advertisement shall be paid for by the OWNER.
 - b. Conduct a pre-bid conference in accordance with FAA Advisory Circular AC 150/5370-



12B. DOA staff shall be invited to the pre-bid meeting a minimum of five (5) business days' notice.

- c. Answer contractor questions and issue addenda, if necessary.
- d. Assist the OWNER in obtaining bids by holding a public bid opening in accordance with state bidding laws.
- e. Prepare bid tabulation and analysis of bid results. DBE commitments or Good Faith Effort will be provided after bidding and prior to determination of the lowest bidder.
- f. Provide Recommendation of Award of construction contract for OWNER.
- g. Assist OWNER in development of funding application for FAA grant.
- h. Assistance in preparation of formal contract documents for the award of construction contract.
- i. Preparation of Released for Construction plans.

All bidders submitting a bid must be prequalified as a bidder with NCDOT at the time of the bid opening and all subcontractors must be prequalified prior to beginning any work.

If upon completion of bid advertisement and the pre-bid meeting additional solicitation and pre-bid meetings are required in order to solicit the minimum number of bidders this may be provided as an additional service.

DELIVERABLES

The ENGINEER will provide the following project deliverables to the OWNER and DOA:

1. Electronic copies, in PDF and/or AutoCAD format, of drawings and specifications produced under this contract.
 - 90% Review Submittals (plans, specifications, & cost estimate)
 - Final Plans, Specifications, & Cost Estimate
2. One (1) hard copy of completed final drawings, specifications, and reports produced under this contract (OWNER only).
3. Electronic copies of FAA Form 7460-1 approval, CSPP and CSPP checklist.
4. Electronic copies, in PDF, of Sealed Engineer's Design Report.
5. PDF copy of Pre-Bid meeting minutes and attendance sheet.
6. Certified Bid Tab.
7. All items required in the applicable sections of DOA's AV-100, AV-101, AV-102 & AV-103 checklists.



WK Dickson & Co., LLC

FEE SCHEDULE

The above services shall be provided and billed according to the below Fee Schedule:

Basic Services

Project Management	Lump Sum	\$13,519
Design & Plan Preparation	Lump Sum	\$52,169
Erosion and Sediment Control Permit	Lump Sum	\$10,701
<u>Bidding</u>	<u>Lump Sum</u>	<u>\$16,491</u>
Total		\$92,880

The total fee of all work is in the amount of **\$92,880** and is summarized in Attachment 'A'. Miscellaneous additional work required but not contained in the above scope of services will be paid for in accordance with the current rate schedule at that time and will be subject to prior approval by the OWNER.

E-VERIFY

The Contractor and any of its subcontractors must comply with the requirements of the North Carolina General Statutes, if applicable, which require certain employers to verify the work authorization of each newly hired employee through the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies.

All other provisions of the Contract for Professional Services dated April 21, 2021 shall remain in full force and effect and unmodified other than as noted herein.

Requested By:**WAYNE COUNTY**

By:

Typed Name: Chip CrumplerTitle: County Manager

Date:

01/21/25**Accepted By:****W.K. DICKSON & CO., LLC**

By:

Typed Name: Scott SigmonTitle: Vice President

Date:

ATTACHMENTS

- A. Man-hour Summary
- B. Project Budget



CHANGE ORDER #1Date: January 10, 2025

Agreement Date: _____

PROJECT: GWW – Perimeter Fence
OWNER: Wayne County
CONTRACTOR: Fence Builders, Inc.
PROJECT NUMBERS: 36244.31.7.1
WKD #: 20240064.00.WK

The following changes and/or additions are hereby made to the Contract Documents as follows:

See the attached spreadsheet for quantity/cost changes.

Total Change Order #1: \$62,584.00

Change to Contract Time: No Change

Justification for Change Order: This change order is needed to revise the Phase 2 fence layout to avoid the RW 23 Glide Slope (GS) Critical Area and impacts to the GS. The need for the fence shift was identified through FAA's 7460 review of the proposed fence location. The revised fence location will push a portion of the fence out further and will require additional clearing and grubbing and a new item for Light Vegetation Clearing through an area grown up with small trees and bushes, etc.

Change to Contract Price:

Original Contract Price \$ 3,325,417.00

The Contract Price due to this Change is increased by \$ 62,584.00

New Contract Price, including this Change Order will be \$ 3,388,001.00

Accepted by: Wayne County

Chip Crumpler - ACM
Chip Crumpler, County Manager

01-21-2025
Date

Requested by: Fence Builders, Inc.

Justin Forest
Justin Forest, Sr. Project Manager

1-20-2025
Date

Recommended by: W.K. Dickson & Co., LLC

Jason Elliott
Jason Elliott, Project Manager

1/10/2025
Date

CHANGE ORDER NO. 1

OWNER: Wayne County

OWNER'S ADDRESS: Wayne County

PO Box 227

Goldsboro, NC 27533-0227

NAME OF AIRPORT: Wayne Executive Jetport

LOCATION OF AIRPORT: Pikeville, NC

NAME OF CONTRACTOR: Fence Builders, Inc.

ADDRESS OF CONTRACTOR: 1230 Old Salisbury Road

Winston-Salem, NC 27127

DESCRIPTION OF WORK:

GWW - Perimeter Fence

NCDOA No. 36244.31.7.1

DATE PREPARED: December 20, 2024

PROJECT NUMBER: 20240064.00.WK

ORIGINAL AMOUNT OF CONTRACT: \$3,325,417.00

ITEM NO. & DESCRIPTION		UNIT	ORIGINAL ESTIMATED QUANTITY	NEW ESTIMATED QUANTITY	ORIGINAL UNIT COST	NEW UNIT COST	ORIGINAL EXTENDED TOTAL	NEW EXTENDED TOTAL
4	Clearing and Grubbing	AC	0.1	0.6	\$85,000.00	\$85,000.00	\$8,500.00	\$51,000.00
7	Wildlife Exclusion Fence	LF	7,960	8,027	\$102.00	\$102.00	\$811,920.00	\$818,754.00
10	Seeding and Mulching	AC	1	1.5	\$8,000.00	\$8,000.00	\$8,000.00	\$12,000.00
New	Light Vegetation Clearing	AC	0	0.5	\$0.00	\$18,500.00	\$0.00	\$9,250.00
TOTAL:							\$828,420.00	\$891,004.00

NET CONTRACT CHANGE

\$62,584.00

Project Management & Grant Administration =	\$13,518.65
Design & Plan Preparation =	\$52,169.19
Erosion & Sediment Control Permit =	\$10,701.29
Bidding =	\$16,490.39
	<u>\$92,879.51</u>

DIRECT EXPENSES

PROJECT DESCRIPTION: GWW: WA #14; Amend. #1 - Airfield Drainage Improvements - Ph. 2 (Design & Bidding)

PREPARED BY: Jason L. Elliott / WK Dickson & Co., LLC

DATE PREPARED: 1-2-25

GENERAL PROJECT	ITEM	QTY	DESCRIPTION		UNIT COST	
	Travel:					
	Project Management					
	Site Visit (Roundtrip Raleigh to GWW)	0 Trip(s) @	124 miles @	\$0.670	\$0.00	
		0 8.5"x11" Xerox Copies	1 sheets @	\$0.14	\$0.00	
	Printing	0 11"x17" Xerox Copies	1 sheets @	\$0.34	\$0.00	
		0 22"x34" Copies (B&W)	1 sheets @	\$2.22	\$0.00	
	Postage	0 Fed Ex Shipment	1 each @	\$15.00	\$0.00	
	Project Management Total					\$0.00
	Design & Plan Preparation					
	Site Visit (Roundtrip Raleigh to GWW)	0 Trip(s) @	124 miles @	\$0.670	\$0.00	
		500 8.5"x11" Xerox Copies	1 sheets @	\$0.14	\$70.00	
	Printing	36 11"x17" Xerox Copies	1 sheets @	\$0.34	\$12.24	
		18 22"x34" Copies (B&W)	1 sheets @	\$2.22	\$39.96	
	Postage	0 Fed Ex Shipment	1 each @	\$15.00	\$0.00	
	Design & Plan Preparation Total					\$122.20
	Erosion & Sediment Control Permitting					
	Site Visit (Roundtrip Raleigh to GWW)	0 Trip(s) @	124 miles @	\$0.670	\$0.00	
		30 8.5"x11" Xerox Copies	1 sheets @	\$0.14	\$4.20	
	Printing	10 11"x17" Xerox Copies	1 sheets @	\$0.34	\$3.40	
		0 22"x34" Copies (B&W)	1 sheets @	\$2.22	\$0.00	
	Postage	2 Fed Ex Shipment	1 each @	\$15.00	\$30.00	
	Erosion & Sediment Control Permitting Total					\$37.60
	Bidding					
	Site Visit (Roundtrip Raleigh to GWW)	2 Trip(s) @	124 miles @	\$0.670	\$166.16	
		20 8.5"x11" Xerox Copies	1 sheets @	\$0.14	\$2.80	
	Printing	0 11"x17" Xerox Copies	1 sheets @	\$0.34	\$0.00	
		18 22"x34" Copies (B&W)	1 sheets @	\$2.22	\$39.96	
	Postage	1 Fed Ex Shipment	1 each @	\$15.00	\$15.00	
	Bidding Total					\$223.92
			TOTAL			\$383.72

**WAYNE EXECUTIVE JETPORT (GWW)
PROGRAM BUDGET
AIRFIELD DRAINAGE IMPROVEMENTS (PHASE 2)**

	FAA Supp. Disc. 36237.22.TBD
ADMINISTRATIVE EXPENSES	
Advertisement for Bids (Paid Directly by Owner)	\$ 850.00
SUBTOTAL	\$ 850.00
PRELIMINARY ENGINEERING, PERMITTING & TESTING	
CATEX (WA #14)	\$ 9,889.00
EC Permit Fee (Paid Directly by Owner)	\$ 2,125.00
SUBTOTAL	\$ 12,014.00
PROPERTY ACQUISITION	
-	\$ -
SUBTOTAL	\$ -
ENGINEERING SERVICES	
Project Management (WA #14; Amendment #1)	\$ 13,519.00
Design & Plan Preparation (WA #14; Amendment #1)	\$ 52,169.00
Erosion & Sediment Control Permit (WA #14; Amendment #1)	\$ 10,701.00
Bidding (WA #14; Amendment #1)	\$ 16,491.00
Project Management & Grant Administration (Future WA)	TBD
Construction Administration (Future WA)	TBD
Project Closeout (Future WA)	TBD
SUBTOTAL	\$ 92,880.00
(A105) PROJECT INSPECTION, QUALITY ASSURANCE, TESTING, OTHER	
Full-Time Construction Observation (Future WA)	TBD
QA Testing (Future WA)	TBD
SUBTOTAL	\$ -
CONSTRUCTION COSTS	
Airfield Drainage Improvements - Phase 2	TBD
SUBTOTAL	\$ -
(A108) MISCELLANEOUS EXPENSES	
-	\$ -
SUBTOTAL	\$ -
GRAND TOTAL	\$ 105,744.00
Funding:	
Federal Grant:	\$ 95,169.00
State Grant:	-
Local Match:	\$ 10,575.00

Journal Proof Report



Journal Number: 636 Year: 2025 Period: 7

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
	Formatted Project String					
BUA	4688100-558000	Capital Out-Bldg Struct & Impr			\$50000.00	
	E-C220001 -DSS/Health-IT	-				
BUA	4688100-558000	Capital Out-Bldg Struct & Impr				\$50000.00
Journal 2025/7/636				Total	\$50000.00	\$50000.00

Journal Proof Report



Journal Number: 637 Year: 2025 Period: 7

Description: S&W

Reference 1: 221 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104960-562000	Grant Expenditures			\$1493080.50	
BUA	1104960-335000	Grant Revenues				\$1493080.50
			Journal 2025/7/637	Total	\$1493080.50	\$1493080.50

Journal Proof Report



Journal Number: 638 Year: 2025 Period: 7

Description: Finance

Reference 1: 220 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1265305-512100	Salaries and Wages			\$57693.00	
BUA	1265305-518000	Social Security-FICA			\$3576.97	
BUA	1265305-518100	Social Security-Medicare			\$836.55	
BUA	1265305-518200	Retirement Contribution			\$7875.09	
BUA	1265305-518210	401K Retirement Contribution			\$1153.86	
BUA	1265305-518300	Hospitalization Contribution			\$11616.00	
BUA	1265305-518600	Workers Compensation			\$696.00	
BUA	1265300-399100	Fund Balance Appropriated				\$83447.47
Journal 2025/7/638				Total	\$83447.47	\$83447.47

Journal Proof Report



Journal Number: 643 Year: 2025 Period: 7

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1315153-523900	Other Medical Supplies				\$1500.00
BUA	1315153-537000	Advertising			\$1500.00	
			Journal 2025/7/643	Total	\$1500.00	\$1500.00

Journal Proof Report



Journal Number: 650 Year: 2025 Period: 7

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1315124-523900	Other Medical Supplies				\$1400.00
BUA	1315124-526000	Office Supplies				\$200.00
BUA	1315110-534100	Printing				\$200.00
BUA	1315124-541200	Rental of Buildings			\$1800.00	
			Journal 2025/7/650	Total	\$1800.00	\$1800.00

Journal Proof Report



Journal Number: 655 Year: 2025 Period: 7

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104130-575100	Service Charges				\$2250.00
BUA	1104110-523100	Program Supplies			\$2250.00	
			Journal 2025/7/655	Total	\$2250.00	\$2250.00

Journal Proof Report



Journal Number: 711 Year: 2025 Period: 7

Description: 911

Reference 1: 215 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104325-531100	Travel-Meals & Lodging				\$728.75
BUA	1104325-539500	Training				\$738.00
BUA	2254325-531100	Travel-Meals & Lodging			\$728.75	
BUA	2254325-539500	Training			\$738.00	
BUA	1104325-598000	Transfers to Other Funds			\$1466.75	
BUA	2254325-398100	Transfers from Other Funds-GF				\$1466.75
Journal 2025/7/711				Total	\$2933.50	\$2933.50

Journal Proof Report



Journal Number: 7 Year: 2025 Period: 8

Description: Finance

Reference 1: 242 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
	Formatted Project String					
BUA	2334340-549700	Direct Service Allocations			\$3502.22	
	E-FD -ARFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$3140.42	
	E-FD -BEFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$22.67	
	E-FD -BHFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$2280.19	
	E-FD -DUFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$3505.78	
	E-FD -ELFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$970.46	
	E-FD -GRFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$2659.10	
	E-FD -ISFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$549.95	
	E-FD -JCFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$1518.73	
	E-FD -LRFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$4563.71	
	E-FD -MMFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$50.04	
	E-FD -MHFD -Other -DirServ					
BUA	2334340-549700	Direct Service Allocations			\$1343.83	

Journal Proof Report



Journal Number: 7 Year: 2025 Period: 8

Description: Finance

Reference 1: 242

Reference 2:

Reference 3:

	E-FD	-NAFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$44.64
	E-FD	-NHWF	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$898.64
	E-FD	-NEWF	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$268.01
	E-FD	-NWFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$1268.90
	E-FD	-OAFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$1415.54
	E-FD	-PAFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$1854.11
	E-FD	-PGFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$1853.76
	E-FD	-PWFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$440.51
	E-FD	-PRFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$2873.08
	E-FD	-ROFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$2374.09
	E-FD	-SAFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$273.78
	E-FD	-SSFD	-Other	-DirServ		
BUA	2334340-549700				Direct Service Allocations	\$526.01
	E-FD	-SCFD	-Other	-DirServ		

Journal Proof Report



Journal Number: 7 Year: 2025 Period: 8				Description: Finance	Reference 1: 242	Reference 2:	Reference 3:	
BUA	2334340-549700			Direct Service Allocations				\$800.64
	E-FD	-THFD	-Other	-DirServ				
BUA	2334340-549700			Direct Service Allocations				\$1643.04
	E-FD	-WAFD	-Other	-DirServ				
BUA	2334340-399100			Fund Balance Appropriated				\$40641.85
Journal 2025/8/7								Total
								\$40641.85
								\$40641.85

Journal Proof Report



Journal Number: 9 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	8844200-519900	Professional Services-Other			\$3177.00	
BUA	8844200-519000	Professional Services				\$3177.00
			Journal 2025/8/9	Total	\$3177.00	\$3177.00

Journal Proof Report



Journal Number: 10 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104310-526100-Detct	Office Supplies-NonCaptl FF&E			\$1760.00	
BUA	1104310-526100	Office Supplies-NonCaptl FF&E				\$1760.00
Journal 2025/8/10				Total	\$1760.00	\$1760.00

Journal Proof Report



Journal Number: 11 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1106110-531100	Travel-Meals & Lodging				\$600.00
BUA	1106110-541200	Rental of Buildings			\$300.00	
BUA	1106110-539500	Training			\$300.00	
			Journal 2025/8/11	Total	\$600.00	\$600.00

Journal Proof Report



Journal Number: 12 Year: 2025 Period: 8

Description: Finance

Reference 1: 240

Reference 2:

Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
Formatted Project String						
BUA	4855912-519000	Professional Services			\$285199.50	
	E-C220002 -WCPS -ARCENG -					
BUA	4855912-399100	Fund Balance Appropriated				\$285199.50
Journal 2025/8/12				Total	\$285199.50	\$285199.50

Journal Proof Report



Journal Number: 14 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104910-543100	Rental of Copier Equipment			\$360.00	
BUA	1104910-524100	Road Signs				\$360.00
Journal 2025/8/14				Total	\$360.00	\$360.00

Journal Proof Report



Journal Number: 68 Year: 2025 Period: 8

Description: OES

Reference 1: 188 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104330-533000	Utilities			\$50.97	
BUA	1104330-383900	Miscellaneous Revenue				\$50.97
Journal 2025/8/68				Total	\$50.97	\$50.97

Journal Proof Report



Journal Number: 69 Year: 2025 Period: 8

Description: Sheriff

Reference 1: 211 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104310-523100-Shrff	Program Supplies			\$2972.88	
BUA	1104310-383300	Donations				\$2972.88
Journal 2025/8/69				Total	\$2972.88	\$2972.88

Journal Proof Report



Journal Number: 70 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1315110-519000	Professional Services				\$33000.00
BUA	1315161-519000	Professional Services				\$1500.00
BUA	1315124-519000	Professional Services			\$700.00	
BUA	1315160-519000	Professional Services			\$1500.00	
BUA	1315162-519000	Professional Services			\$800.00	
BUA	1315163-519000	Professional Services			\$20000.00	
BUA	1315164-519000	Professional Services			\$5000.00	
BUA	1315167-519000	Professional Services			\$6500.00	
Journal 2025/8/70				Total	\$34500.00	\$34500.00

Journal Proof Report



Journal Number: 71 Year: 2025 Period: 8

Description: 911

Reference 1: 219 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	2254325-544000	Service & Maintenance Contract			\$4940.00	
BUA	2254325-399100	Fund Balance Appropriated				\$4940.00
			Journal 2025/8/71	Total	\$4940.00	\$4940.00

Journal Proof Report



Journal Number: 73 Year: 2025 Period: 8

Description: Finance

Reference 1: 229 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104210-551000	Capital Outlay-Equipment			\$45000.00	
BUA	1100000-399100	Fund Balance Appropriated				\$45000.00
			Journal 2025/8/73	Total	\$45000.00	\$45000.00

Journal Proof Report



Journal Number: 74 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	6324530-558000	Capital Out-Bldg Struct & Impr			\$6200.00	
BUA	6324530-535100	Repairs & Maint-Buildings				\$6200.00
			Journal 2025/8/74	Total	\$6200.00	\$6200.00

Journal Proof Report



Journal Number: 75 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104260-535200	Repairs & Maint-Equipment				\$6818.00
BUA	1104260-558000	Capital Out-Bldg Struct & Impr			\$6818.00	
			Journal 2025/8/75	Total	\$6818.00	\$6818.00

Journal Proof Report



Journal Number: 76 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1104120-512100	Salaries and Wages			\$205.72	
BUA	1104120-512500	Telephone Allowance				\$205.72
BUA	1104125-512100	Salaries and Wages			\$507.49	
BUA	1104130-518300	Hospitalization Contribution				\$507.49
BUA	1104131-518310	Employee Assistance Program			\$266.82	
BUA	1104131-518300	Hospitalization Contribution				\$266.82
BUA	1104141-512100	Salaries and Wages			\$594.36	
BUA	1104140-518300	Hospitalization Contribution				\$594.36
BUA	1104151-512100	Salaries and Wages			\$8399.98	
BUA	1104130-512200	Overtime-FT				\$8399.98
BUA	1104151-512500	Telephone Allowance			\$720.00	
BUA	1104130-518300	Hospitalization Contribution				\$720.00
BUA	1104170-512100	Salaries and Wages			\$91.59	
BUA	1104170-512500	Telephone Allowance				\$91.59
BUA	1104170-517000	Board Member Expenses			\$975.00	
BUA	1104170-518300	Hospitalization Contribution				\$975.00
BUA	1104180-512500	Telephone Allowance			\$390.00	
BUA	1104180-518300	Hospitalization Contribution			\$4840.00	
BUA	1104180-512200	Overtime-FT				\$2615.00
BUA	1104180-512100	Salaries and Wages				\$2615.00
BUA	1104210-518300	Hospitalization Contribution				\$7230.00
BUA	1104210-512500	Telephone Allowance			\$7230.00	
BUA	1104325-512210	Overtime-Unsched Straight Time			\$2166.25	
BUA	1104325-512300	Holiday Pay			\$12977.14	

Journal Proof Report



Journal Number: 76 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

BUA	1104325-512100	Salaries and Wages		\$15143.39
BUA	1104920-512100	Salaries and Wages	\$280.97	
BUA	1104200-518300	Hospitalization Contribution		\$280.97
BUA	1106110-512400	Regular Part Time Pay	\$863.58	
BUA	1106110-518300	Hospitalization Contribution		\$863.58
BUA	1106111-512100	Salaries and Wages	\$0.30	
BUA	1106110-518310	Employee Assistance Program		\$0.30
BUA	1107140-518300	Hospitalization Contribution	\$75.35	
BUA	1107140-518600	Workers Compensation		\$75.35
BUA	1234145-518600	Workers Compensation	\$58.00	
BUA	1234145-512600	Part Time or Extra Help		\$58.00
BUA	1265306-512200	Overtime-FT	\$514.69	
BUA	1265306-512700	Longevity Pay		\$514.69
BUA	6247420-512700	Longevity Pay	\$599.39	
BUA	6247420-518300	Hospitalization Contribution		\$599.39
BUA	6676160-518300	Hospitalization Contribution	\$3933.41	
BUA	6676160-518310	Employee Assistance Program	\$131.32	
BUA	6676160-518600	Workers Compensation		\$4064.73
BUA	1104380-512200	Overtime-FT	\$16853.81	
BUA	1104380-512100	Salaries and Wages		\$19081.81
BUA	1104380-518300	Hospitalization Contribution	\$8228.00	
BUA	1104380-512900	Health Insurance Opt-Out		\$6000.00
BUA	1104200-518330	Employee Life Insurance	\$11281.72	
BUA	1104200-518320	Hospitalization-Retirees		\$11281.72
BUA	1104310-512100	Salaries and Wages		\$32802.10

Journal Proof Report



Journal Number: 76 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

BUA	1104310-512300	Holiday Pay	\$30001.44	
BUA	1104310-512500	Telephone Allowance	\$360.00	
BUA	1104310-512700	Longevity Pay	\$2440.66	
BUA	1104370-512300	Holiday Pay	\$6615.64	
BUA	1104370-512600	Part Time or Extra Help	\$10524.79	
BUA	1104370-512100	Salaries and Wages		\$17140.43
			Journal 2025/8/76	Total
				\$132127.42
				\$132127.42

Journal Proof Report



Journal Number: 77 Year: 2025 Period: 8

Description:

Reference 1: Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1315110-512100	Salaries and Wages				\$78718.47
BUA	1315153-512100	Salaries and Wages			\$21163.00	
BUA	1315160-512100	Salaries and Wages			\$22363.31	
BUA	1315180-512100	Salaries and Wages			\$5073.81	
BUA	1315191-512100	Salaries and Wages			\$209.81	
BUA	1315193-512100	Salaries and Wages			\$25797.28	
BUA	1315151-512600	Part Time or Extra Help			\$276.00	
BUA	1315191-512600	Part Time or Extra Help			\$3835.26	
BUA	1315110-518200	Retirement Contribution				\$455.00
BUA	1315112-518200	Retirement Contribution			\$455.00	
BUA	1315110-518300	Hospitalization Contribution				\$8151.75
BUA	1315153-518300	Hospitalization Contribution			\$3741.00	
BUA	1315160-518300	Hospitalization Contribution			\$2866.88	
BUA	1315193-518300	Hospitalization Contribution			\$1543.87	
BUA	1315110-518310	Employee Assistance Program				\$8.16
BUA	1315193-518310	Employee Assistance Program			\$8.16	
BUA	1315110-518600	Workers Compensation				\$1018.79
BUA	1315112-518600	Workers Compensation			\$80.00	
BUA	1315153-518600	Workers Compensation			\$122.00	
BUA	1315160-518600	Workers Compensation			\$171.74	
BUA	1315191-518600	Workers Compensation			\$552.64	
BUA	1315193-518600	Workers Compensation			\$92.41	
Journal 2025/8/77				Total	\$88352.17	\$88352.17

Journal Proof Report



Journal Number: 72 Year: 2025 Period: 8

Description: HD

Reference 1: 223 Reference 2: Reference 3:

Source	Account	Account Description	Line Description	OB	Debit	Credit
BUA	1315117-523900	Other Medical Supplies			\$800.00	
BUA	1315162-523900	Other Medical Supplies			\$400.00	
BUA	1315117-523950	Medical Equip - Non-Capital			\$1500.00	
BUA	1315162-523950	Medical Equip - Non-Capital			\$1500.00	
BUA	1315117-551000	Capital Outlay-Equipment			\$17900.00	
BUA	1315162-551000	Capital Outlay-Equipment			\$7740.00	
BUA	1315110-351526	COVID-19 Vaccination Program				\$29840.00
Journal 2025/8/72				Total	\$29840.00	\$29840.00