

**NEPA COMPLIANCE CHECKLIST**

State: Ohio

Federal Financial Assistance Grant/Amendment: WR (Wildlife Restoration) Grant

Grant/Project Name: Proposed Shooting Range Improvements at Fernwood State Forest, Jefferson County, Wayne Township, Ohio

This proposal  is;  is not completely covered by categorical exclusion(s) § 5 0(3) in 516 DM 8.5 (Service); and/or <sup>(9)</sup> \_\_\_\_\_ in 43 CFR 46.210 (DOI).

(check (✓) one)(Review proposed activities. An appropriate categorical exclusion must be identified before completing the remainder of the Checklist. If one or more categorical exclusions do not apply to the entire proposal, or the proposal cannot meet the qualifying criteria in the categorical exclusion(s), or an extraordinary circumstance applies (see below), an EA may be required. E.g. an existing EA may address the proposal.)

**Extraordinary Circumstances (43 CFR 46.215):**

Will This Proposal (check (✓) yes or no for each item below):

- | Yes                      | No                                  |   |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | a. Have significant impacts on public health or safety.   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | b. Have significant impacts on such natural resources and unique geographic characteristics as historic or cultural resources; park, recreation or refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands (Executive Order 11990); floodplains (Executive Order 11988); national monuments; migratory birds; and other ecologically significant or critical areas. |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | c. Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources [NEPA Section 102(2)(E)].   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | d. Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks.  |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | e. Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects.  |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | f. Have a direct relationship to other actions with individually insignificant but cumulatively significant environmental effects.  |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | g. Have significant impacts on properties listed, or eligible for listing, on the National Register of Historic Places as determined by the bureau.   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | h. Have significant impacts on species listed, or proposed to be listed, on the List of Endangered or Threatened Species, or have significant impacts on designated Critical Habitat for these species.   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | i. Violate a Federal law, or a State, local, or tribal law or requirement imposed for the protection of the environment.  |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | j. Have a disproportionately high and adverse effect on low income or minority populations (Executive Order 12898).   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | k. Limit access to and ceremonial use of Indian sacred sites on Federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (Executive Order 13007).  |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | l. Contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act and Executive Order 13112).  |

(If any of the above extraordinary circumstances receive a "Yes" check (✓), an EA may be required. Consult with WSFR grant specialist for determination.)

Yes  No This grant/project includes additional supporting information.

**Concurrences/Approvals:**

Project Leader: [Signature]

Date: 4/11/2016

State Authority Concurrence: [Signature]  
(with financial assistance signature authority, if applicable)

Date: 4/11/2016

Within the spirit and intent of the Council of Environmental Quality's regulations for implementing the National Environmental Policy Act (NEPA) and other statutes, orders, and policies that protect fish and wildlife resources, I have established the following administrative record and have determined that the grant/amendment: **Proposed shooting range improvements at Fernwood State Forest**

- is a categorical exclusion as provided by 516 DM 8.5 (Service) and/or 43 CFR 46.210 (DOI), and/or is addressed by an existing EA or EIS. No further NEPA documentation will therefore be made.
- is not completely covered by the categorical exclusion as provided by 516 DM 8.5 (Service) and/or 43 CFR 46.210 (DOI), or addressed by an existing EA or EIS. An EA must be prepared.
- is covered by an existing EA. FONSI/EAS dated: \_\_\_\_\_

**Service signature approval:**

Staff Specialist, WSFR:  
  
Chief, Division of WSFR:

Revised 7/2012. This is not an OMB approved form and its use is not required. It is provided as a guide to identifying information required for NEPA compliance.

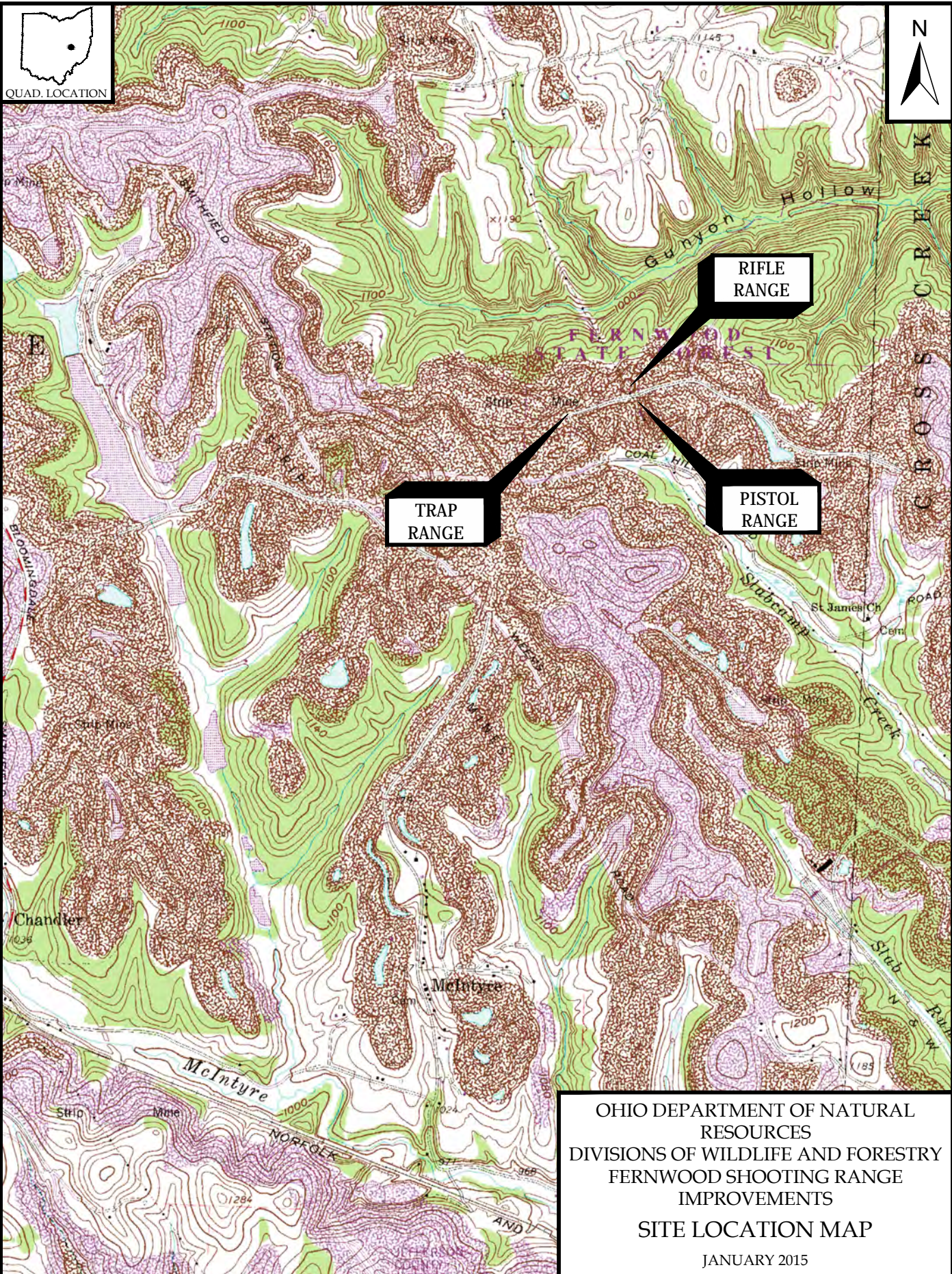
ATTACHMENT 1  
USGS TOPOGRAPHIC  
SITE LOCATION MAP



PLOTTED: 12/31/2015 8:06:31 AM



QUAD. LOCATION



P:\PR52412\Fernwood Range\Cadd\Figure 2.1-1.dwg 12/28/2015 11:31:36 AM VanZandt, Ryan

SOURCE:  
7.5 MINUTE SMITHFIELD, OH. U.S.G.S. QUADRANGLE MAP

OHIO DEPARTMENT OF NATURAL RESOURCES  
DIVISIONS OF WILDLIFE AND FORESTRY  
FERNWOOD SHOOTING RANGE  
IMPROVEMENTS  
SITE LOCATION MAP

JANUARY 2015

**BURGESS & NIPLE**  
Engineers • Environmental Scientists • Geologists



ATTACHMENT 2  
PERTINENT PLAN SHEETS

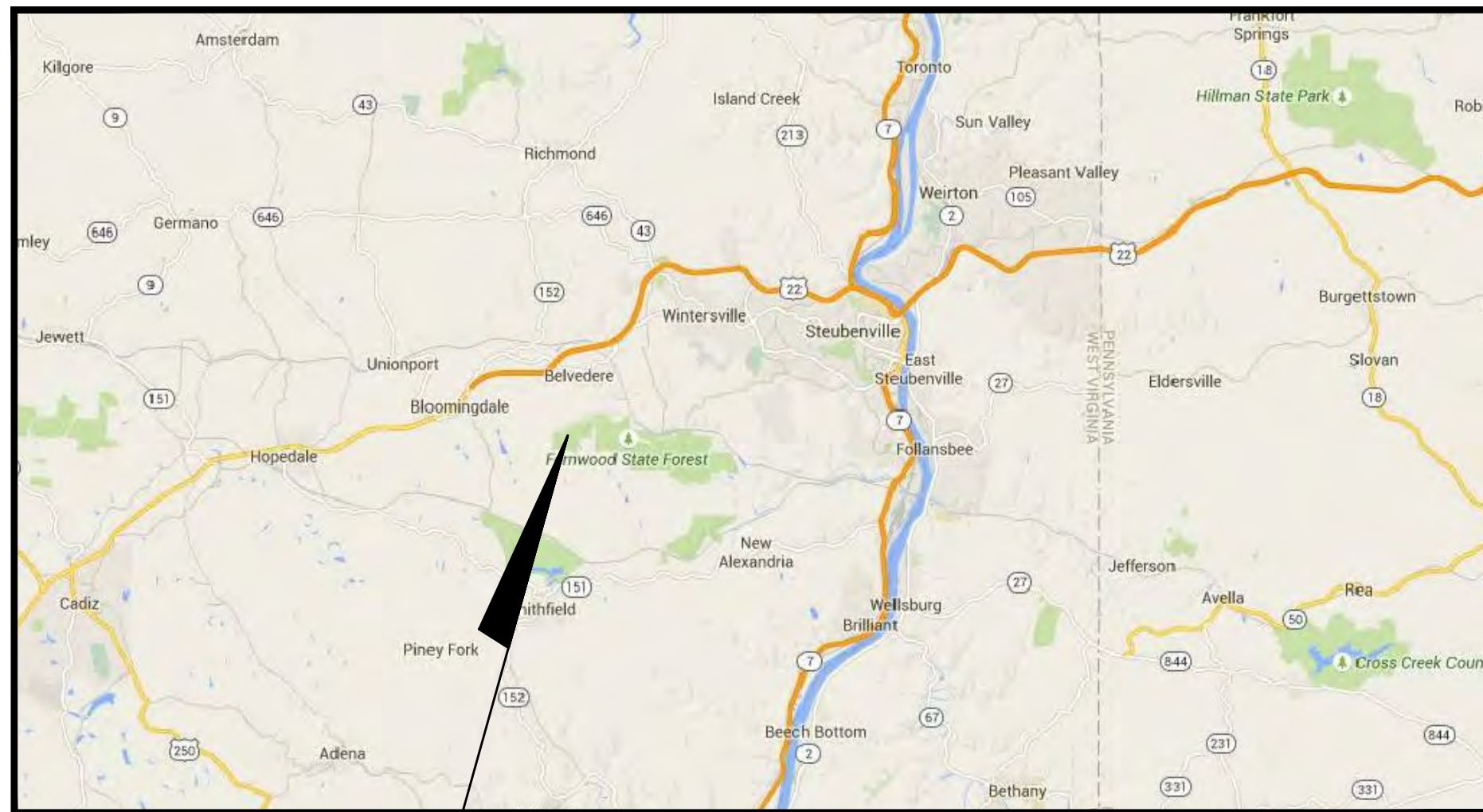


# OHIO DEPARTMENT OF NATURAL RESOURCES

## FERNWOOD STATE FOREST

### SHOOTING RANGE IMPROVEMENTS

### JEFFERSON COUNTY, OHIO



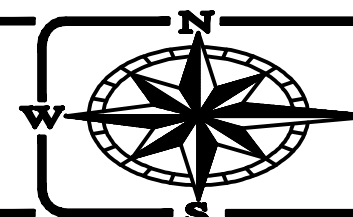
PROJECT LOCATION

PREPARED FOR  
**FERNWOOD STATE FOREST**  
 11 TOWNSHIP RD. 181  
 BLOOMINGDALE, OHIO 43910  
 PH: (740)-266-6021

PREPARED THRU  
**BURGESS & NIPLÉ, INC**  
 5085 REED ROAD  
 COLUMBUS, OH 43220  
 PH: (614) 459-2050

PREPARED BY:  
**C.VARGAS & ASSOCIATES, LTD.**  
 CONSULTING ENGINEERS  
 8808 ARLINGTON EXPRESSWAY  
 JACKSONVILLE, FLORIDA 32211  
 PHONE: (904) 722-2294  
 E-MAIL [cvargas@cvaltd.com](mailto:cvargas@cvaltd.com)

SCHEMATIC DRAWINGS







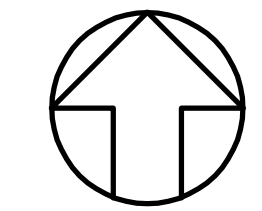
**RANGE KEY**

SPACE NUMBER	RANGE PROGRAMMED SPACE
<b>SHOOTING RANGES AND FIELDS</b>	
1	100 YD RIFLE RANGE 12 POSITIONS @ 6' O/C
2	25 YD PISTOL RANGE 10 POSITIONS @ 4' O/C
3	50 FT PISTOL RANGE 20 POSITIONS @ 4' O/C
4	SHOTGUN RANGE 4 POSITIONS WITH 2 TRAP MACHINES

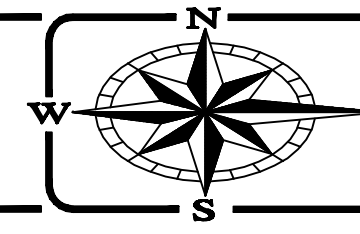
**PARKING SPACE BREAKDOWN**

100 YD RIFLE RANGE	12 POS. @ 1.5 SP./POS. = 18 SPACES REQUIRED 15 SPACES PROVIDED CURRENTLY PROVIDED PROVIDE (3) ADDITIONAL SPACES ALONG ROAD
50 FT PISTOL AND 50 YD RIFLE RANGES	27 POS. @ 1.5 SP./POS. = 41 SPACES REQUIRED 12 SPACES PROVIDED CURRENTLY PROVIDED PROVIDE (15) ADDITIONAL SPACES ALONG ROAD
SHOTGUN RANGE	2 POS. @ 1.5 SP./POS. = 4 SPACES REQUIRED 8 SPACES CURRENTLY PROVIDED

**RANGE INDEX PLAN**  
SCALE: 1" = 80'



NOTE:  
AERIAL PHOTOGRAPH SHOWN HEREON WAS TAKEN FROM GOOGLE EARTH.

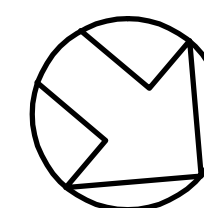






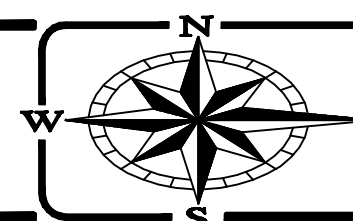
**100 YD. RIFLE RANGE  
LOCATION SITE PLAN**

SCALE: 1" = 20'

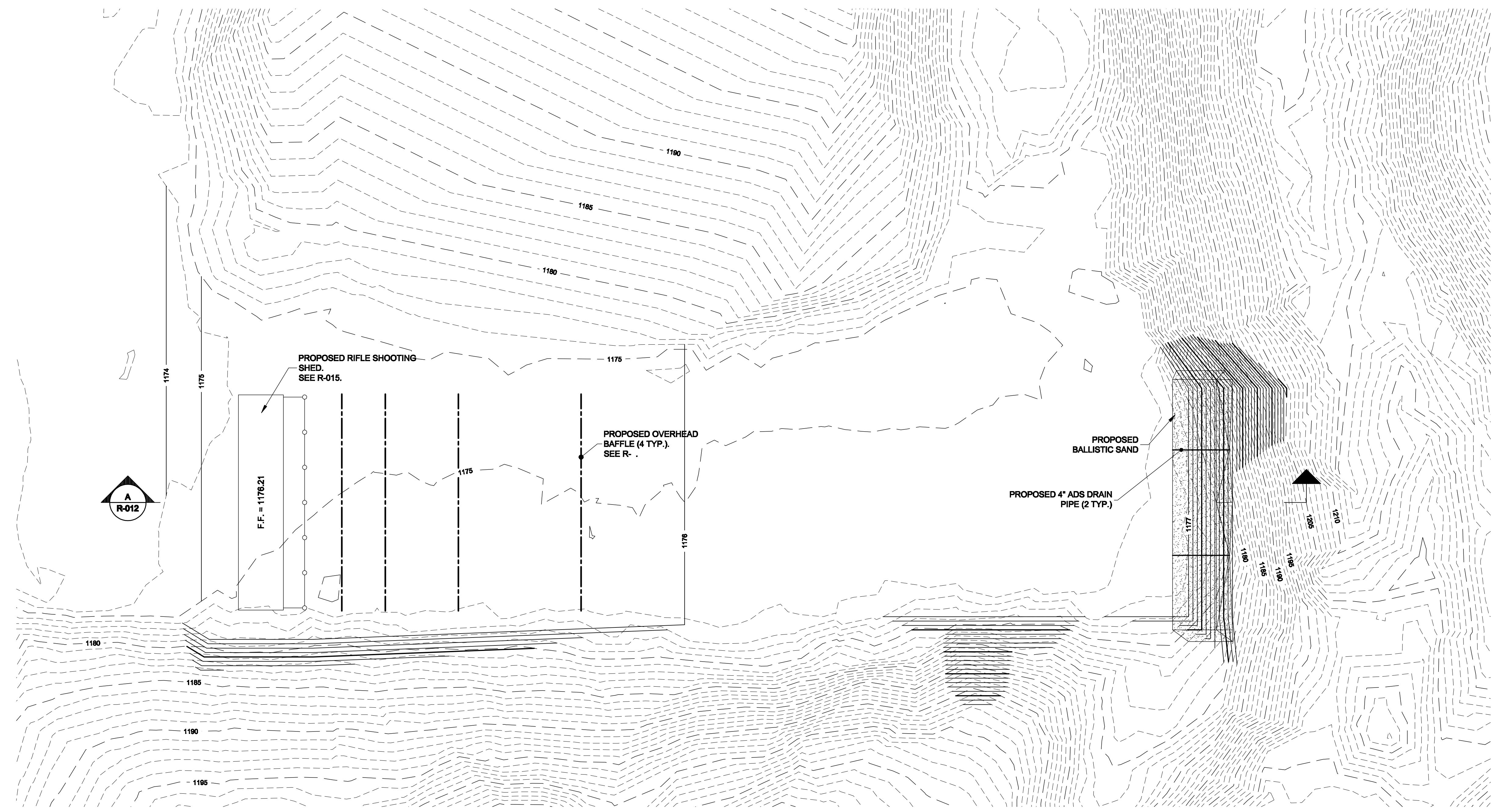


**NOTES:**

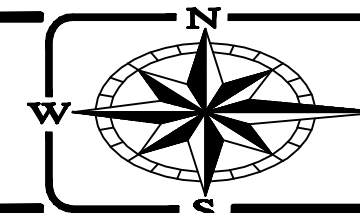
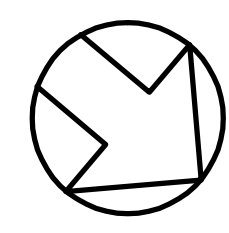
1. AERIAL PHOTOGRAPH SHOWN HEREON WAS TAKEN FROM GOOGLE EARTH.
2. PROVIDE (18) TOTAL PARKING SPACES (15) SPACES EXISTING CURRENTLY







**100 YD. RIFLE RANGE  
GRADING SITE PLAN**  
SCALE: 1" = 20'

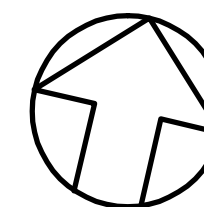






SEE DWG. R-030  
FOR CONTINUATION

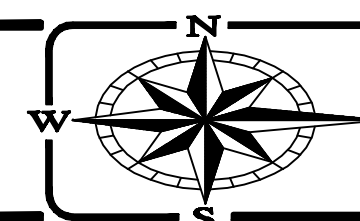
**50 FT. PISTOL RANGE  
LOCATION SITE PLAN**



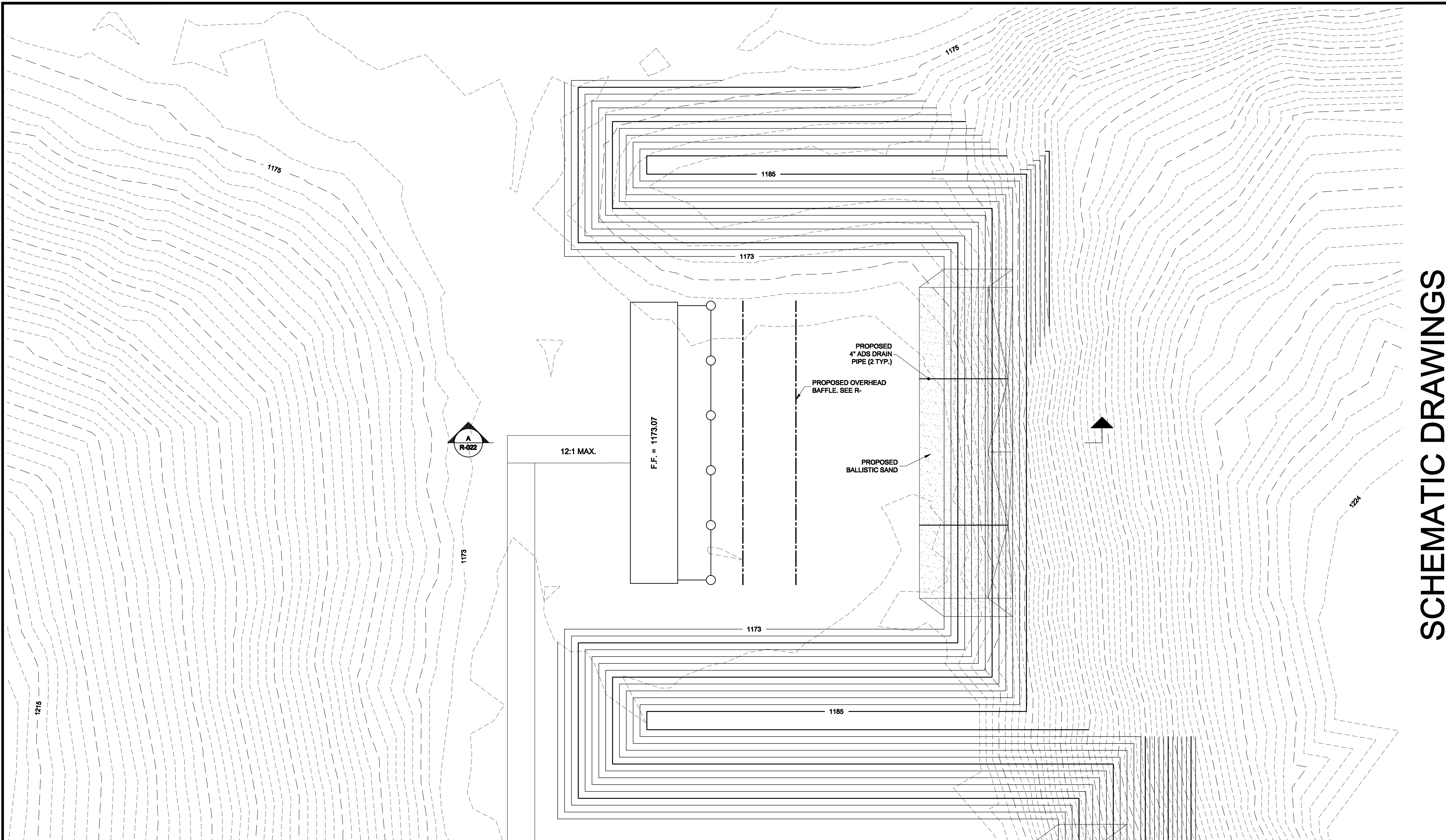
SCALE: 1" = 10'

**NOTES:**

1. AERIAL PHOTOGRAPH SHOWN HEREON WAS TAKEN FROM GOOGLE EARTH.
2. PROVIDE (23) TOTAL PARKING SPACES



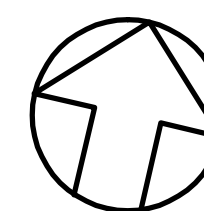




SEE DWG. R-031  
FOR CONTINUATION

**50 FT. PISTOL RANGE  
GRADING SITE PLAN**

SCALE: 1" = 10'



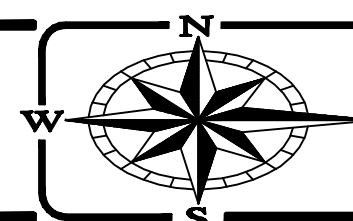
OHIO DEPARTMENT OF NATURAL RESOURCES  
FERNWOOD STATE FOREST  
SHOOTING RANGE IMPROVEMENTS  
JEFFERSON COUNTY, OHIO

DESIGNED BY: **D. NEVIUS**  
DRAWN BY: **D. NEVIUS**  
CHECKED BY: **C. VARGAS**  
APPROVED BY: **C. VARGAS**

JOB NUMBER: —  
SCALE: **NOTED**  
DATE: **DECEMBER 2016**  
REVISED:

**50 FT. PISTOL RANGE  
GRADING SITE PLAN**

**R-021**



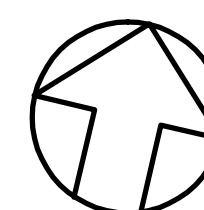


50 FT. PISTOL RANGE.  
SEE DWG. R-020



**25 YD. PISTOL RANGE  
LOCATION SITE PLAN**

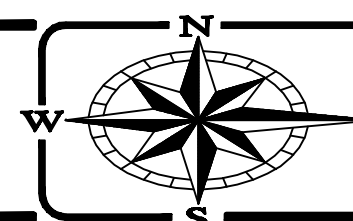
SCALE: 1" = 12'



**NOTES:**

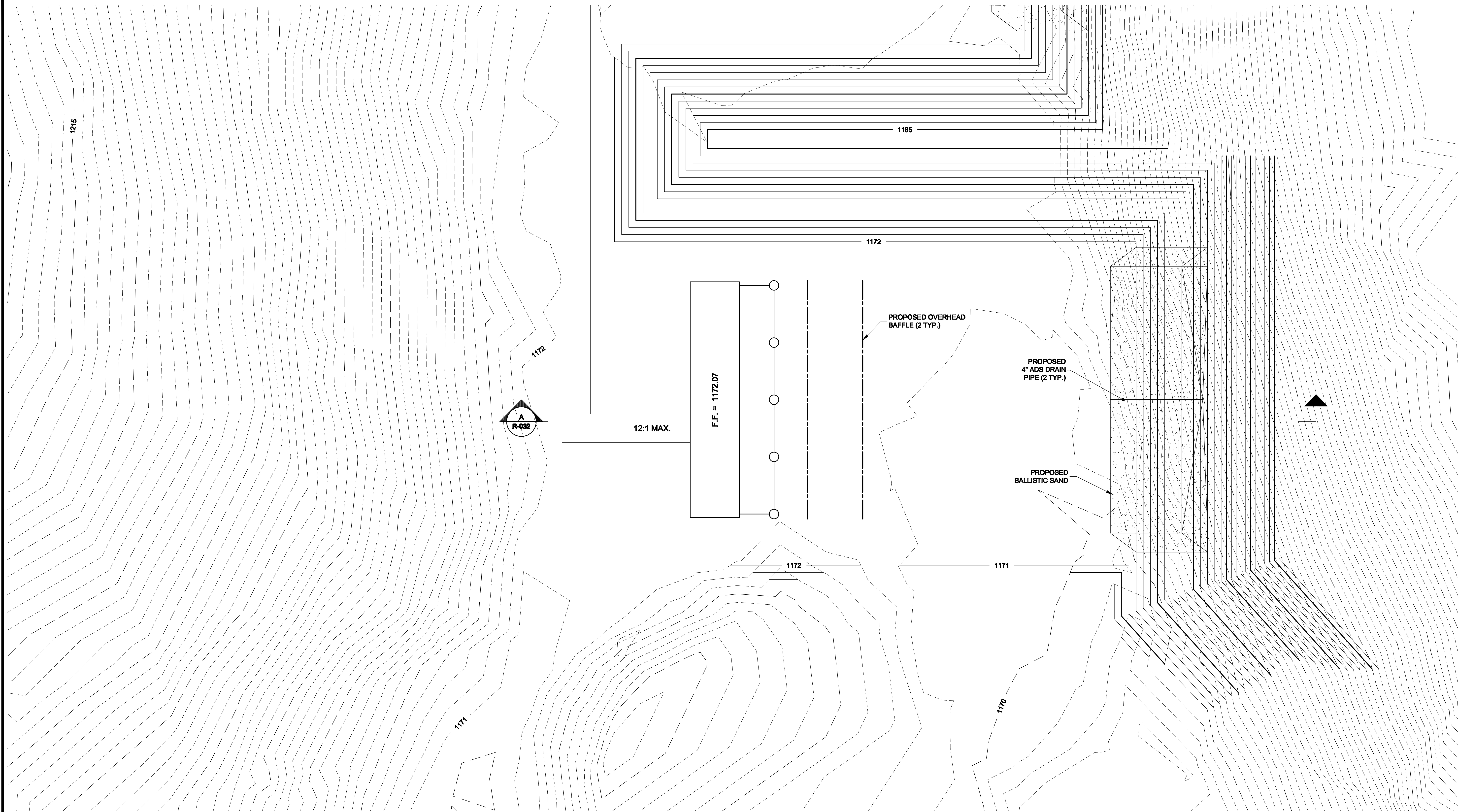
1. AERIAL PHOTOGRAPH SHOWN HEREON WAS TAKEN FROM GOOGLE EARTH.
2. PROVIDE (18) TOTAL PARKING SPACES

**SCHEMATIC DRAWINGS**



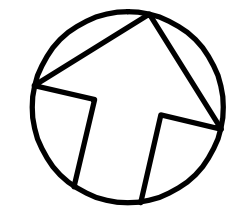


SEE DWG. R-021  
FOR CONTINUATION



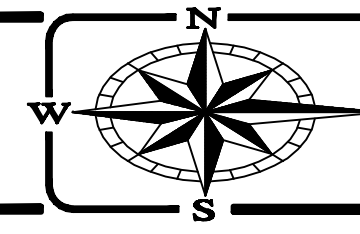
SCHEMATIC DRAWINGS

**25 YD. PISTOL RANGE  
GRADING SITE PLAN**



SCALE: 1" = 10'

**C. VARGAS & ASSOCIATES, LTD.**  
 CONSULTING ENGINEERS  
 8908 ARLINGTON EXPRESSWAY  
 BAKERSVILLE, FLORIDA 32311  
 PHONE: 904.722.2294 FAX: 904.722.2297  
 CERT. OF AUTH. NO.00002778



**ENGINEERING**  
 Ohio Department of Natural Resources

**OHIO DEPARTMENT OF NATURAL RESOURCES  
 FERNWOOD STATE FOREST  
 SHOOTING RANGE IMPROVEMENTS  
 JEFFERSON COUNTY, OHIO**

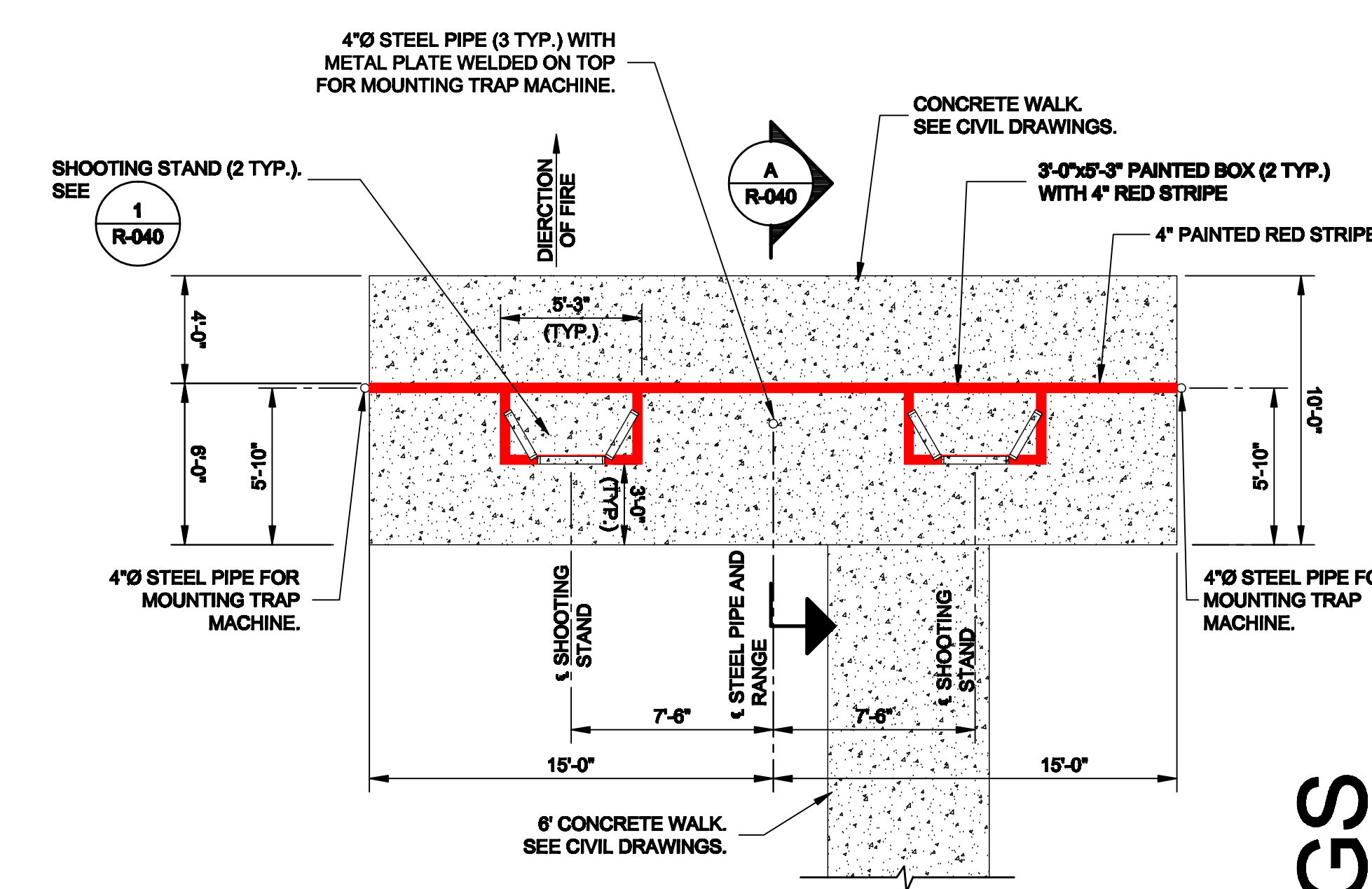
DESIGNED BY: **D. NEVIUS**  
 DRAWN BY: **D. NEVIUS**  
 CHECKED BY: **C. VARGAS**  
 APPROVED BY: **C. VARGAS**

JOB NUMBER: —  
 SCALE: **NOTED**  
 DATE: **DECEMBER 2016**  
 REVISED:

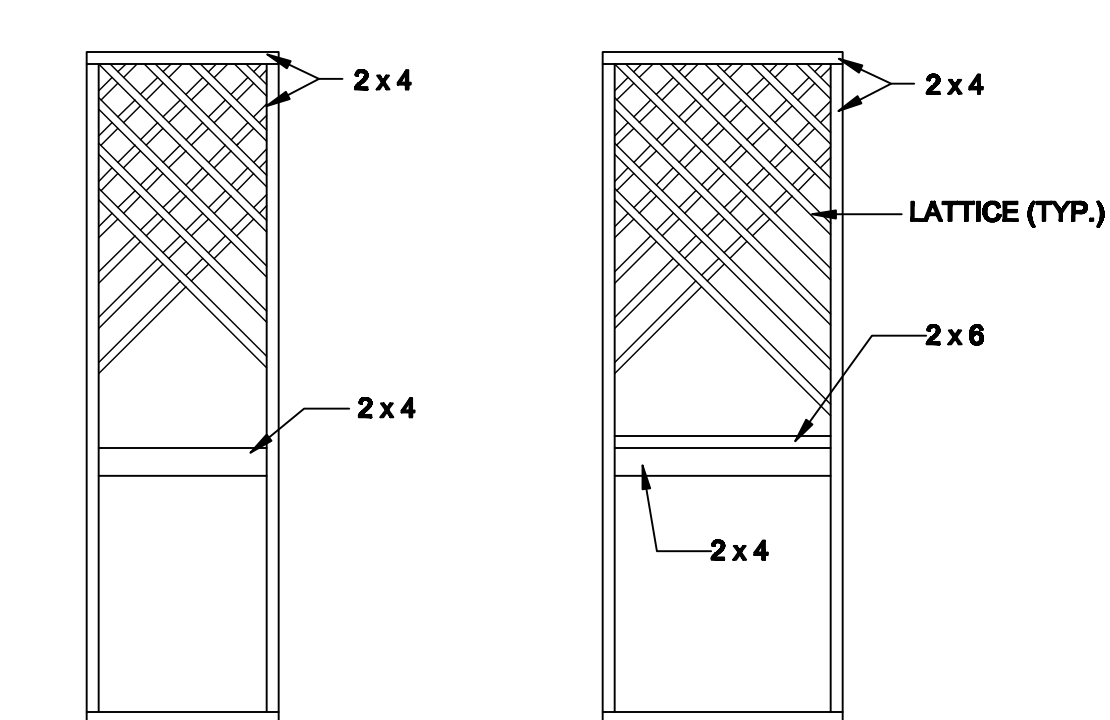
**25 YD. PISTOL RANGE  
 GRADING SITE PLAN**

**R-031**



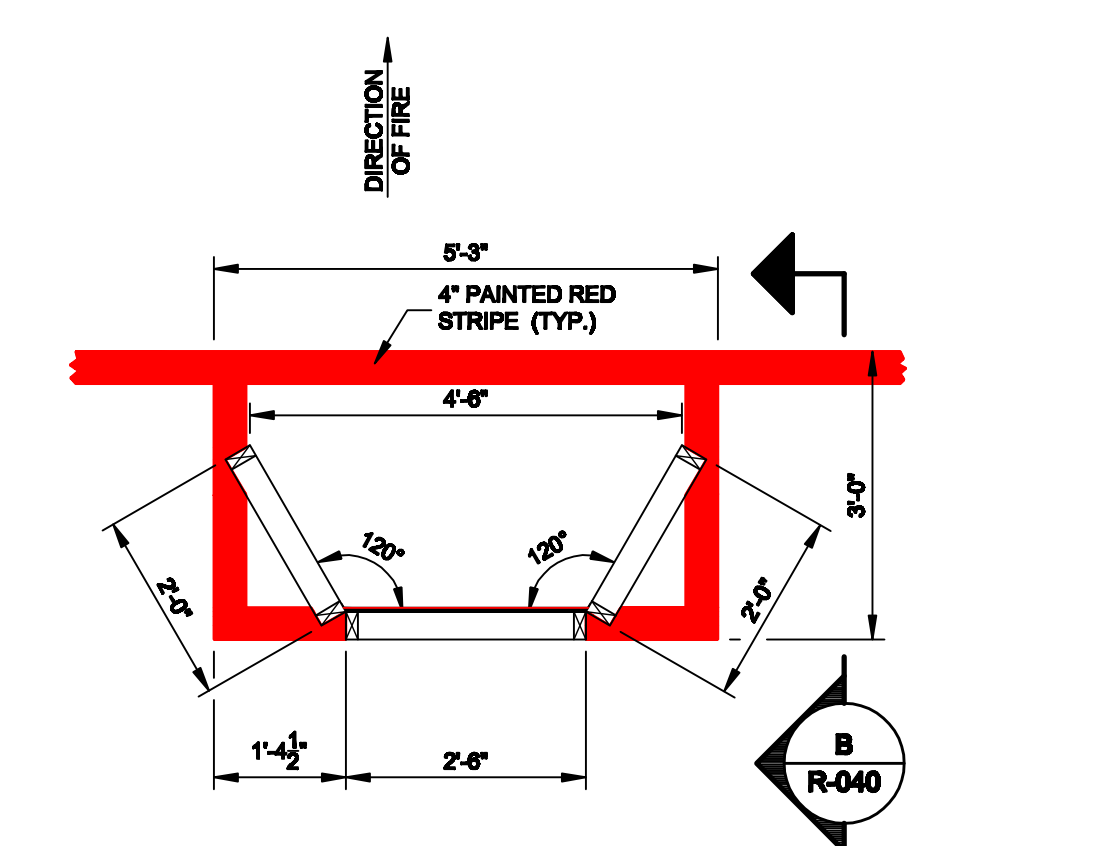


**SHOTGUN RANGE  
FIRING LINE SITE PLAN**  
SCALE: 1" = 5'

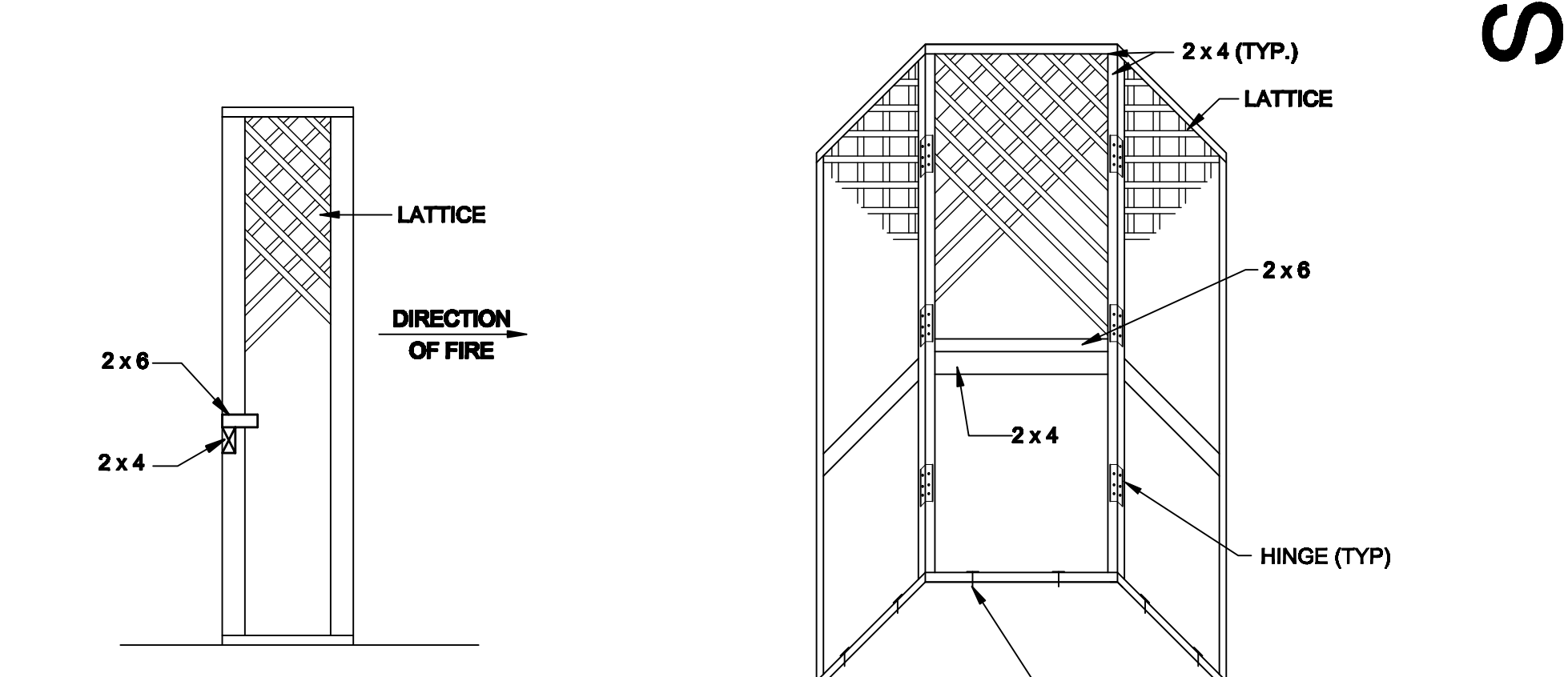


**SHOOTING STAND REAR VIEW**  
SCALE: 1/2" = 1'-0"

**SHOTGUN RANGE  
LOCATION SITE PLAN**  
SCALE: 1" = 40'



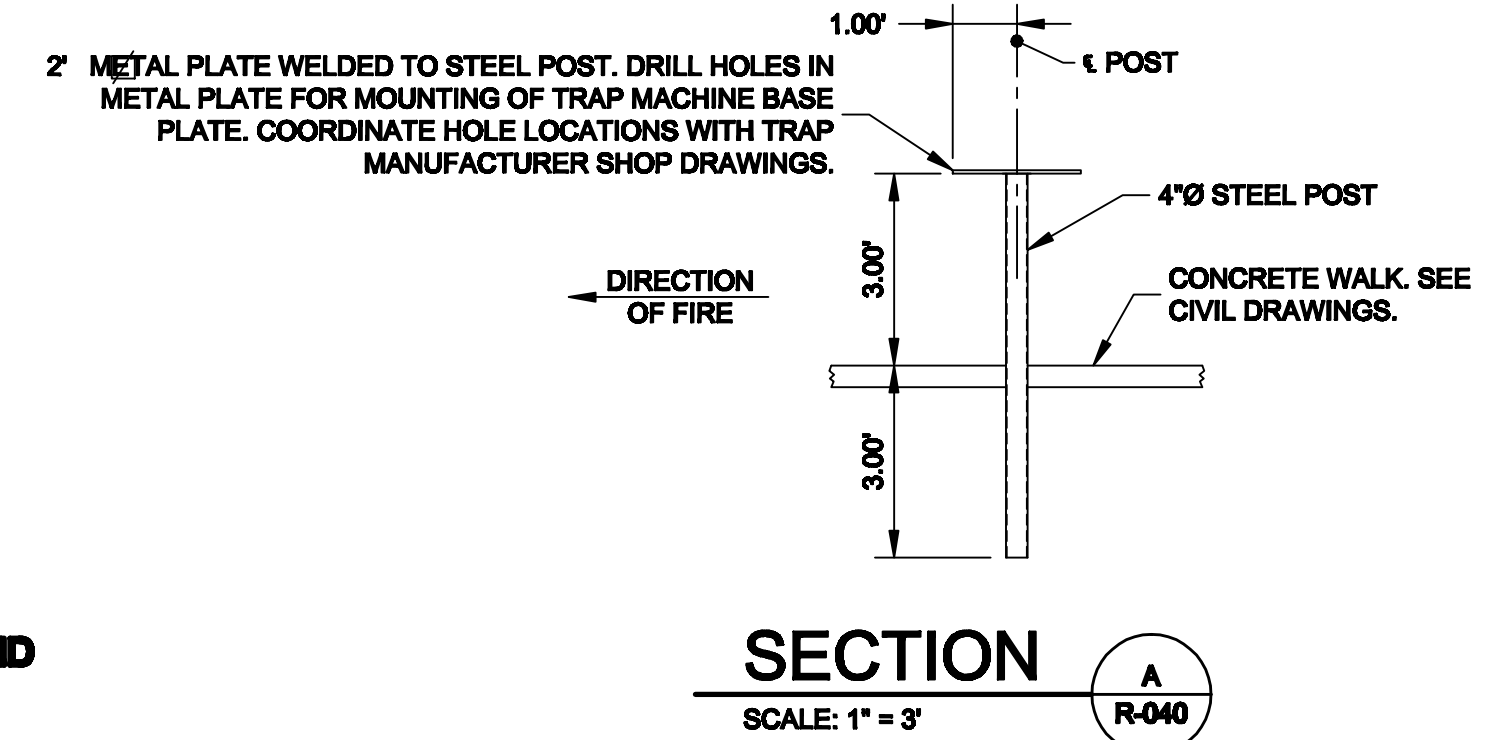
**SHOOTING STAND PLAN**  
SCALE: 1/2" = 1'-0"



**SECTION B**  
SCALE: 1/2" = 1'-0"

**SHOOTING STAND ELEVATION**  
SCALE: 1/2" = 1'-0"

- NOTES:**
1. THE CONTRACTOR SHALL CONSTRUCT (2) SHOOTING STANDS TOTAL.
  2. THE CONTRACTOR SHALL PROVIDE (3) LINCOLN TRAPS MODEL #SC90E 1/4 COCK MACHINE OR EQUAL.
  3. ALL WOOD SHALL BE PRESSURE TREATED.
  4. SEE CIVIL DRAWINGS FOR CONCRETE WALK DETAILS.
  5. THE SHOTGUN RANGE REQUIRES (8) PARKING SPACES AND (8) EXISTING PARKING SPACES ARE PROVIDED ON-SITE.



**SECTION A**  
SCALE: 1" = 3'

**SCHEMATIC DRAWINGS**



ATTACHMENT 3  
SUPPORTING SITE MAPS  
(NWI & FEMA)

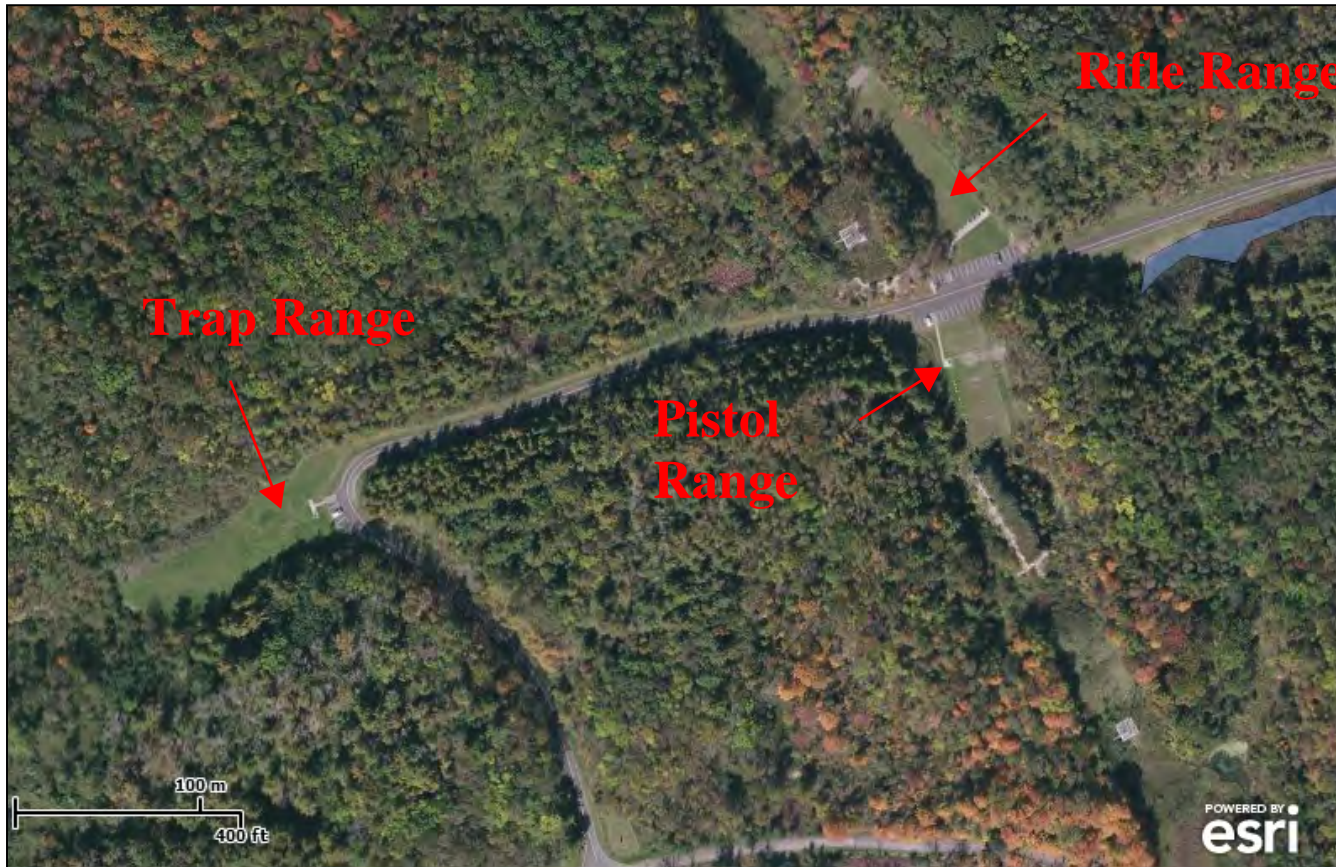




# U.S. Fish and Wildlife Service National Wetlands Inventory

## Fernwood State Forest Ranges

Feb 18, 2015



### Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:





MAP SCALE 4" = 1000'

NFIP

PANEL 0250D

# FIRM

FLOOD INSURANCE RATE MAP

JEFFERSON COUNTY,  
OHIO

AND INCORPORATED AREAS

PANEL 250 OF 375

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BLOOMINGDALE, VILLAGE OF	390696	0250	D
JEFFERSON COUNTY	390294	0250	D
SMITHFIELD, VILLAGE OF	390725	0250	D

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



**MAP NUMBER**  
39081C0250D

**EFFECTIVE DATE**  
APRIL 5, 2006

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



ATTACHMENT 4  
SECTION 106 CORRESPONDENCE





In replies, please use  
2015-JEF-33661

February 5, 2016

Jennifer Walker  
Burgess & Niple, Inc  
5085 Reed Road  
Columbus, OH 43220

Dear Ms. Walker

**Re: Fernwood Shooting Range Improvements, Jefferson County, Wayne Township,  
Ohio**

This letter is in response to your correspondence received on December 14, 2015 (sent December 11, 2015), regarding the Fernwood Shooting Range Improvements project. My comments are in accordance to Section 106 of the National Historic Preservation Act of 1966, as amended, and the associated regulations at 36 CFR Part 800.

The project involves modifications to the existing shooting range facilities. The construction involves shallow ground disturbances: parking lot expansion, shooting sheds and overhead baffles, adding rifle racks and rifle targets, placement of benches, adding a gravel walkway, installing concrete pads at shotgun range, regrading existing berms, installing a new side berm.

Based on the information submitted, it is my opinion that the proposed undertaking will have no effect on properties listed or eligible for listing on the National Register of Historic Places. No further coordination is necessary unless the project changes or archaeological remains are discovered during the course of the project. In such a situation, this office should be contacted as per 36 CFR 800.13. Thank you for your cooperation.

If you have any questions, please contact me at (614) 298-2000, or via email at [jbelleville@marrion@ohiohistory.org](mailto:jbelleville@marrion@ohiohistory.org).

Sincerely,

A handwritten signature in black ink, appearing to read "Jennifer Bellville-Marrion", written over a light blue horizontal line.

Jennifer Bellville-Marrion, Project Reviews Coordinator  
Resource Protection and Review

Ser. 1061241



ATTACHMENT 5  
T&E CORRESPONDENCE  
(USFWS & ODNR)



## Walker, Jennifer

---

**From:** susan\_zimmermann@fws.gov on behalf of Ohio, FW3 <ohio@fws.gov>  
**Sent:** Thursday, December 17, 2015 2:08 PM  
**To:** Walker, Jennifer  
**Subject:** Proposed Shooting Range Improvements at Fernwood State Forest, Wayne Twp., Jefferson Co.



UNITED STATES DEPARTMENT OF THE INTERIOR  
U.S. Fish and Wildlife Service  
Ecological Services Office  
4625 Morse Road, Suite 104  
Columbus, Ohio 43230  
(614) 416-8993 / Fax (614) 416-8994



TAILS# 03E15000-2016-TA-0340

Dear Ms. Walker,

We have received your recent correspondence requesting information about the subject proposal. There are no federal wilderness areas, wildlife refuges or designated critical habitat within the vicinity of the project area. The following comments and recommendations will assist you in fulfilling the requirements for consultation under section 7 of the Endangered Species Act of 1973, as amended (ESA).

The U.S. Fish and Wildlife Service (Service) recommends that proposed developments avoid and minimize water quality impacts and impacts to high quality fish and wildlife habitat (e.g., forests, streams, wetlands). Additionally, natural buffers around streams and wetlands should be preserved to enhance beneficial functions. If streams or wetlands will be impacted, the Corps of Engineers should be contacted to determine whether a Clean Water Act section 404 permit is required. Best management practices should be used to minimize erosion, especially on slopes. All disturbed areas should be mulched and revegetated with native plant species. Prevention of non-native, invasive plant establishment is critical in maintaining high quality habitats.

**FEDERALLY LISTED SPECIES COMMENTS:** All projects in the State of Ohio lie within the range of the federally endangered **Indiana bat** (*Myotis sodalis*) and the federally threatened **northern long-eared bat** (*Myotis septentrionalis*). In Ohio, presence of the Indiana bat and northern long-eared bat is assumed wherever suitable habitat occurs unless a presence/absence survey has been performed to document absence. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots



containing potential roosts (i.e., live trees and/or snags  $\geq 3$  inches diameter at breast height (dbh) that have any exfoliating bark, cracks, crevices, hollows and/or cavities), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat. In the winter, Indiana bats and northern long-eared bats hibernate in caves and abandoned mines.

**The proposed project is in the vicinity of one or more confirmed records of northern long-eared bats.** Therefore, we recommend that trees  $\geq 3$  inches dbh be saved wherever possible. Because the project will result in a small amount of forest clearing relative to the available habitat in the immediately surrounding area, habitat removal is unlikely to result in significant impacts to Indiana bats or northern long-eared bats. Since northern long-eared bat presence in the vicinity of the project has been confirmed and presence of Indiana bats is assumed, clearing of trees during the summer roosting season may result in direct take of individuals. If any caves or abandoned mines may be disturbed, further coordination with this office is requested to determine if fall or spring portal surveys are warranted. If no caves or abandoned mines are present and tree removal is unavoidable, we recommend that removal of any trees  $\geq 3$  inches dbh only occur between October 1 and March 31. Following this seasonal tree clearing recommendation should ensure that any effects to Indiana bats and northern long-eared bats are insignificant or discountable. **Please note that, because northern long-eared bat presence has already been confirmed in the project vicinity, any additional summer surveys would not constitute presence/absence surveys for northern long-eared bats.**

If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), no tree clearing should occur on any portion of the project area until consultation under section 7 of the Endangered Species Act (ESA), between the Service and the federal action agency, is completed. We recommend that the federal action agency submit a determination of effects to this office, relative to the Indiana bat and northern long-eared bat, for our review and concurrence.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), ESA, and are consistent with the intent of the National Environmental Policy Act of 1969 and the Service's Mitigation Policy. This letter provides technical assistance only and does not serve as a completed section 7 consultation document. We recommend that the project be coordinated with the Ohio Department of Natural Resources due to the potential for the project to affect state listed species and/or state lands. Contact John Kessler, Environmental Services Administrator, at (614) 265-6621 or at [john.kessler@dnr.state.oh.us](mailto:john.kessler@dnr.state.oh.us).

If you have questions, or if we can be of further assistance in this matter, please contact our office at (614) 416-8993 or [ohio@fws.gov](mailto:ohio@fws.gov).

Sincerely,



A handwritten signature in blue ink that reads "Dan Everson". The signature is fluid and cursive, with the first name "Dan" and last name "Everson" clearly legible.

Dan Everson

Field Office Supervisor





# Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

JAMES ZEHRINGER, DIRECTOR

## Ohio Division of Wildlife

Scott Zody, Chief  
2045 Morse Rd., Bldg. G  
Columbus, OH 43229-6693  
Phone: (614) 265-6300

July 9, 2015

Jennifer Walker  
Burgess & Niple, Inc.  
5085 Reed Rd.  
Columbus, OH 43220

Dear Ms. Walker,

After reviewing the Natural Heritage Database, I find the Division of Wildlife has no records of rare or endangered species in the Fernwood State Forest Shooting Range Improvements project area, including a one mile radius, in Wayne Township, Jefferson County, Ohio. Outside of this project site being located within a State Forest (ODNR Division of Forestry), we are unaware of any unique ecological sites, geologic features, animal assemblages, scenic rivers, state wildlife areas, nature preserves or parks, national wildlife refuges, parks or forests or other protected natural areas within a one mile radius of the project area. We also have no records for Indiana Bat (*Myotis sodalis*) capture locations within a five mile radius or hibernacula within a ten mile radius of the project site. The nearest Bald Eagle nest is approximately 8 ½ miles to the southeast of the project area. Bald Eagle nest locations are based on survey data that was last collected in 2012. Since the Bald Eagle was removed from the state rare species list, the Natural Heritage Program will no longer be maintaining comprehensive Bald Eagle nest data going forward.

Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. This letter only represents a review of rare species and natural features data within the Ohio Natural Heritage Database. It does not fulfill coordination under the National Environmental Policy Act (NEPA) or the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S. C. 661 et seq.) and does not supersede or replace the regulatory authority of any local, state or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

Please contact me at 614-265-6818 if I can be of further assistance.

Sincerely,

A handwritten signature in blue ink that reads "Debbie Woischke".

Debbie Woischke  
Ohio Natural Heritage Database Program



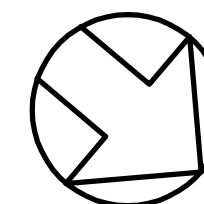
ATTACHMENT 6  
PHOTOGRAPHS & PHOTO KEY





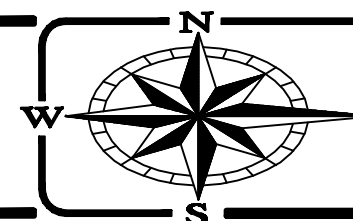
**100 YD. RIFLE RANGE  
LOCATION SITE PLAN**

SCALE: 1" = 20'



**NOTES:**

1. AERIAL PHOTOGRAPH SHOWN HEREON WAS TAKEN FROM GOOGLE EARTH.
2. PROVIDE (18) TOTAL PARKING SPACES (15) SPACES EXISTING CURRENTLY

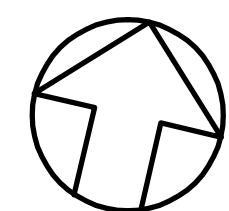






SEE DWG. R-030  
FOR CONTINUATION

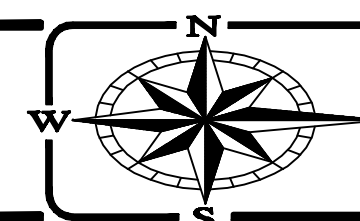
**50 FT. PISTOL RANGE  
LOCATION SITE PLAN**



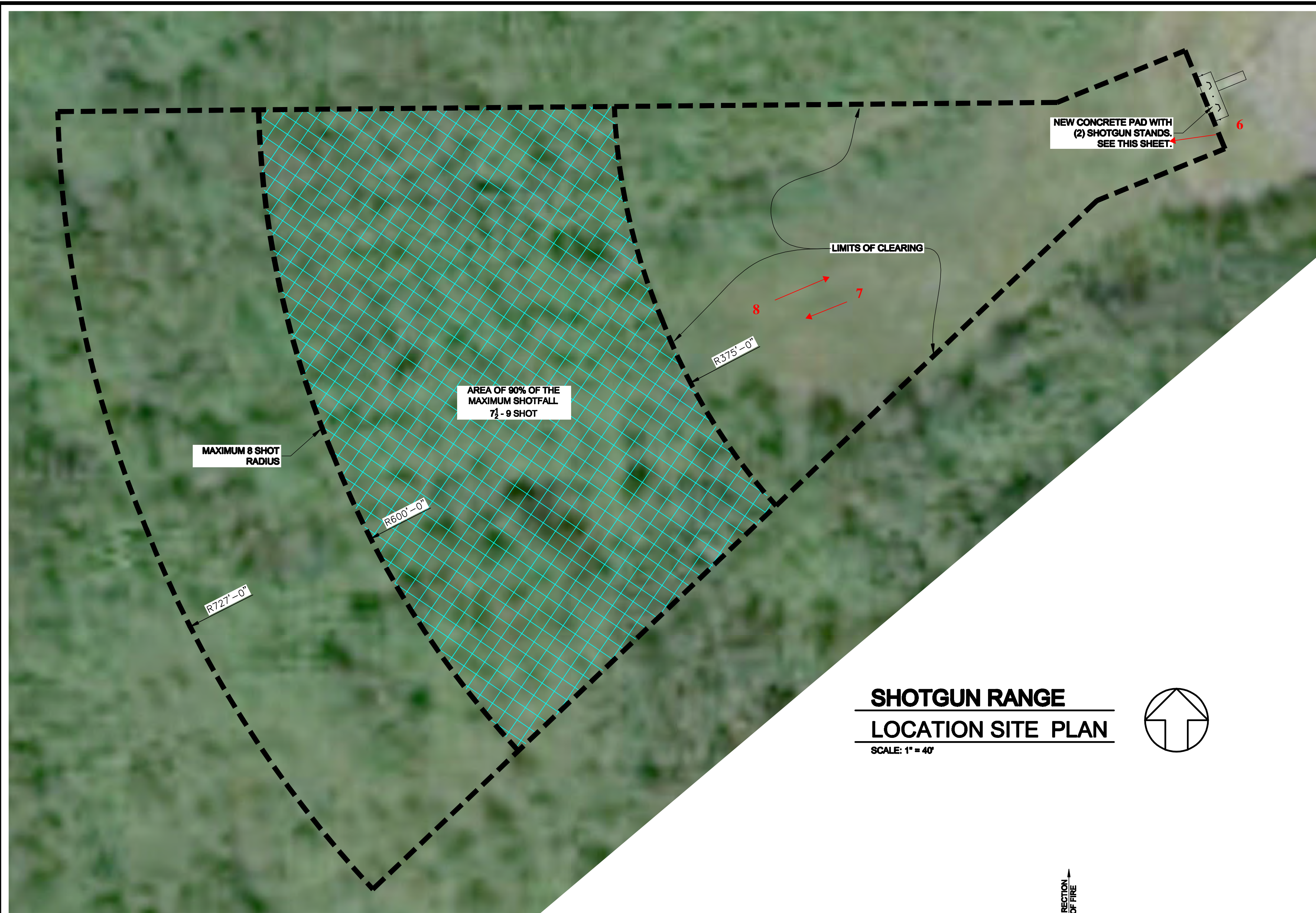
SCALE: 1" = 10'

**NOTES:**

1. AERIAL PHOTOGRAPH SHOWN HEREON WAS TAKEN FROM GOOGLE EARTH.
2. PROVIDE (23) TOTAL PARKING SPACES

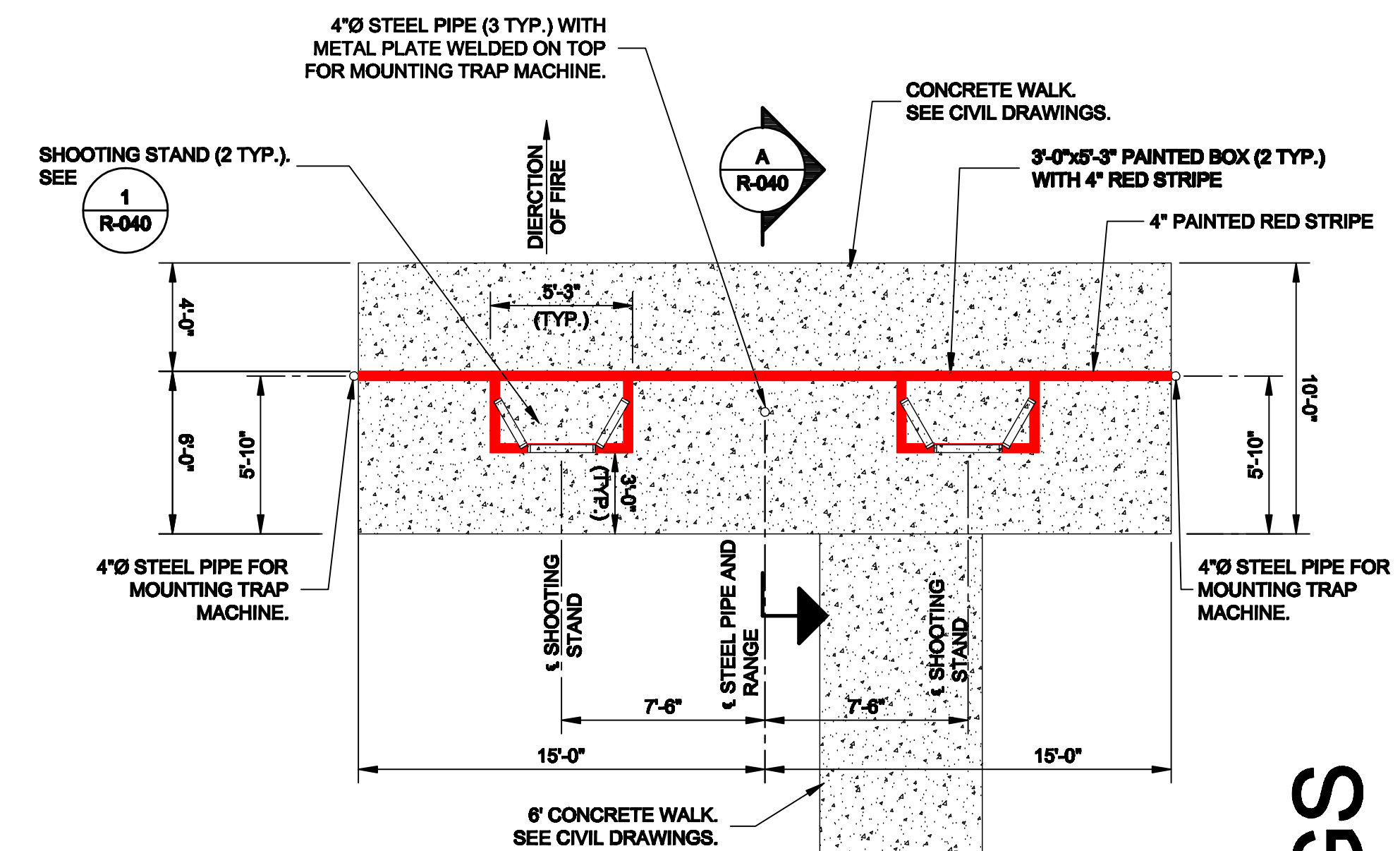
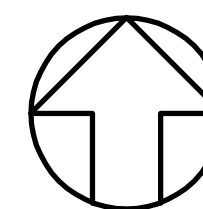






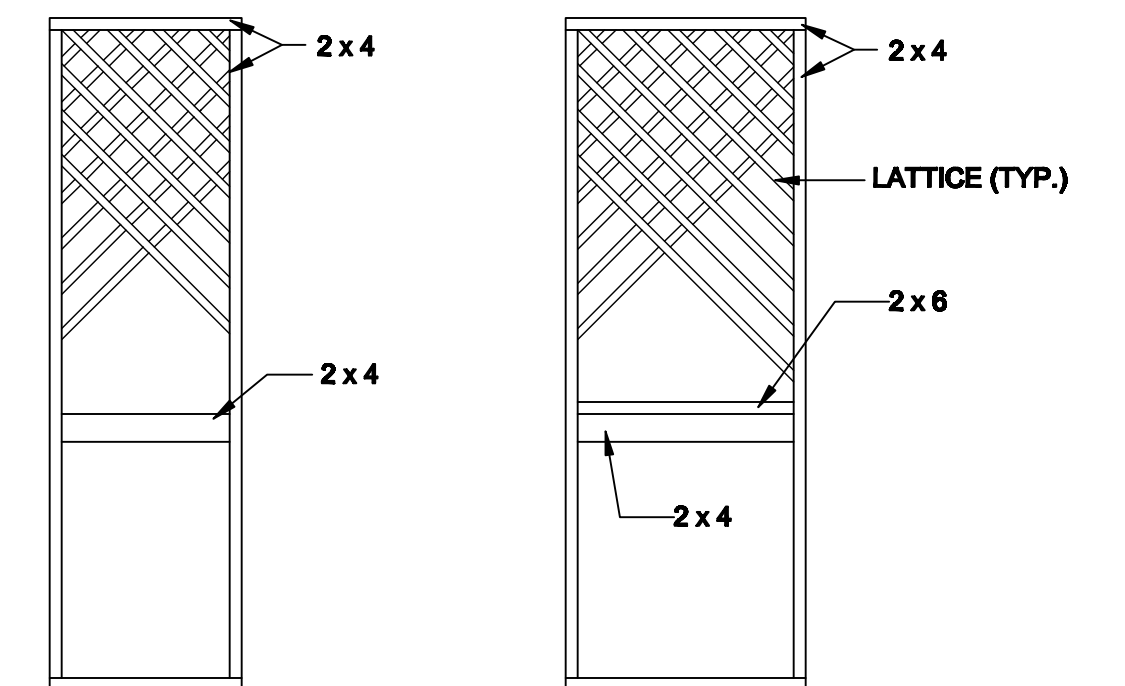
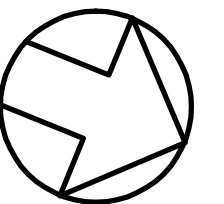
**SHOTGUN RANGE  
LOCATION SITE PLAN**

SCALE: 1" = 40'



**SHOTGUN RANGE  
FIRING LINE SITE PLAN**

SCALE: 1" = 5'

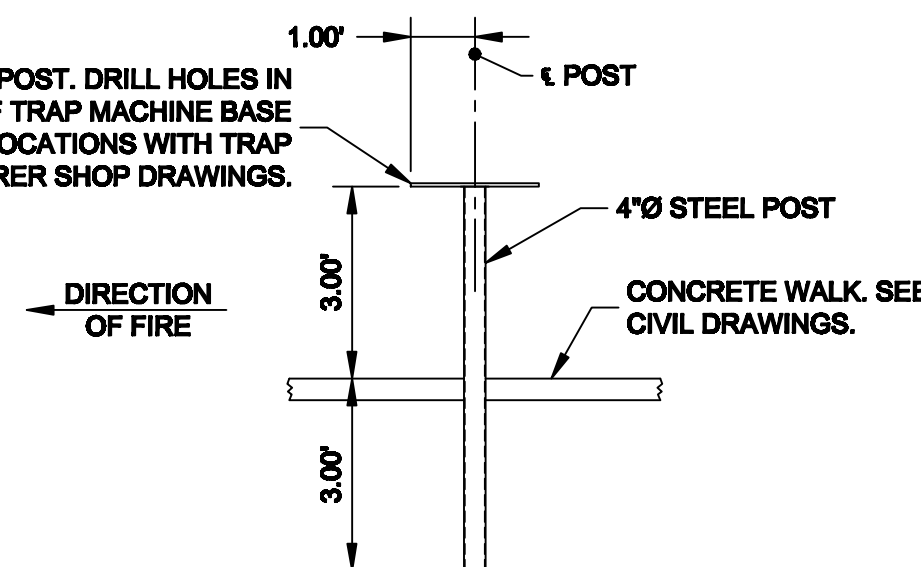


**SHOOTING STAND REAR VIEW**

SCALE: 1/2" = 1'-0"

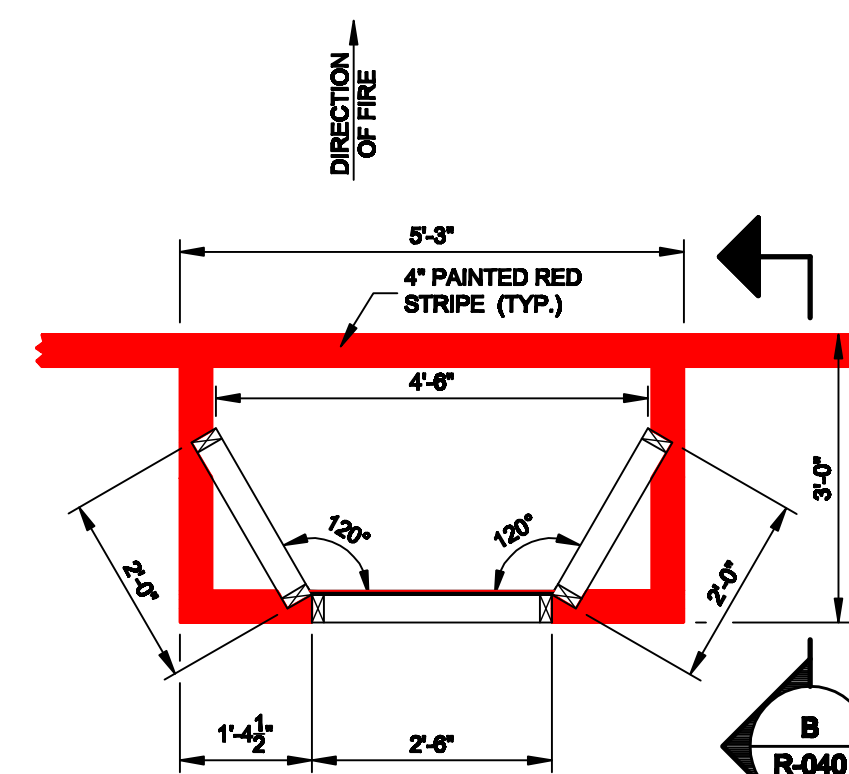
- NOTES:**
1. THE CONTRACTOR SHALL CONSTRUCT (2) SHOOTING STANDS TOTAL.
  2. THE CONTRACTOR SHALL PROVIDE (3) LINCOLN TRAPS MODEL #SC80E 1/4 COCK MACHINE OR EQUAL.
  3. ALL WOOD SHALL BE PRESSURE TREATED.
  4. SEE CIVIL DRAWINGS FOR CONCRETE WALK DETAILS.
  5. THE SHOTGUN RANGE REQUIRES (8) PARKING SPACES AND (8) EXISTING PARKING SPACES ARE PROVIDED ON-SITE.

2" METAL PLATE WELDED TO STEEL POST. DRILL HOLES IN METAL PLATE FOR MOUNTING OF TRAP MACHINE BASE PLATE. COORDINATE HOLE LOCATIONS WITH TRAP MANUFACTURER SHOP DRAWINGS.



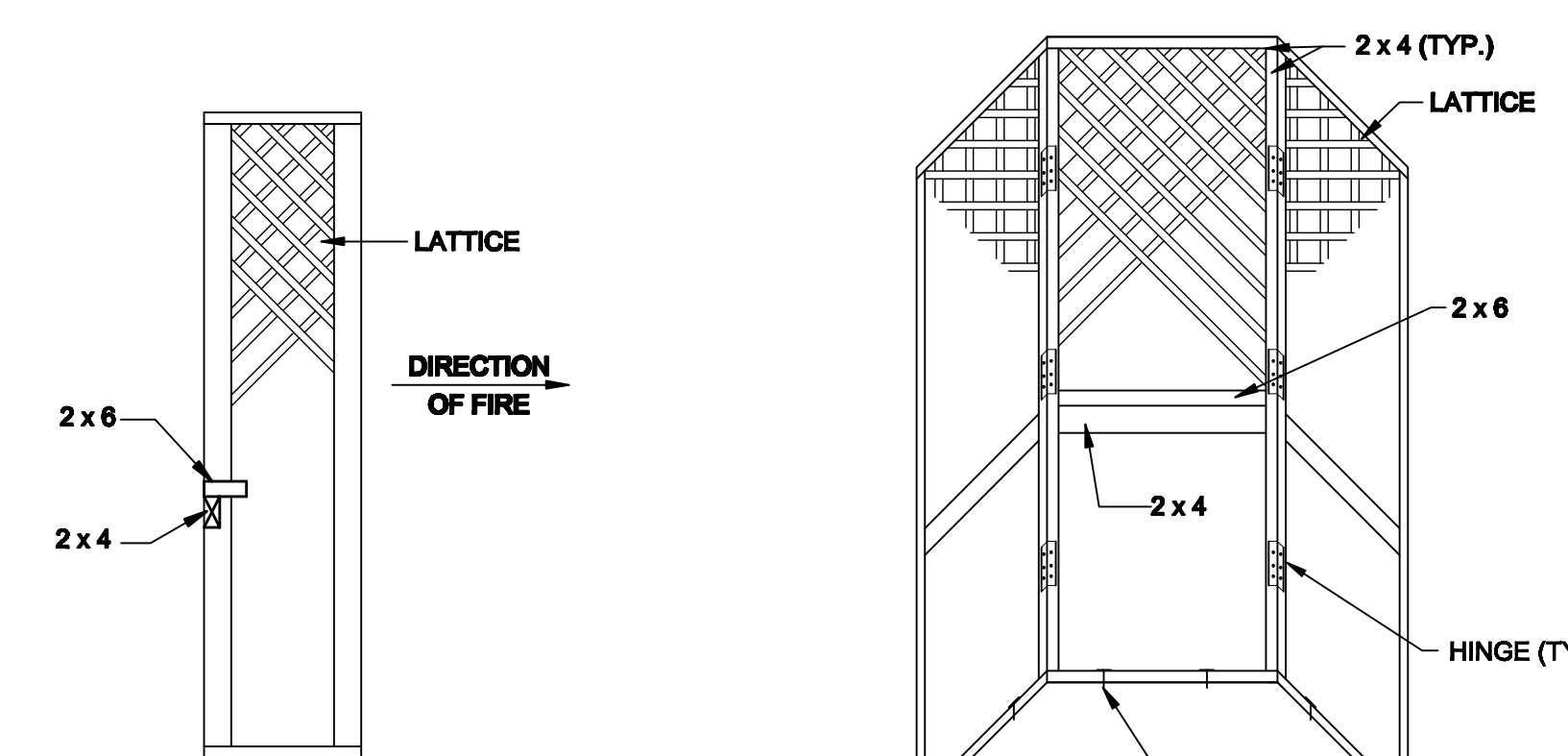
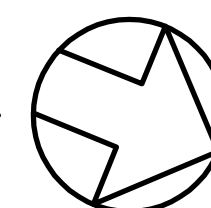
**SECTION A**

SCALE: 1" = 3'



**SHOOTING STAND PLAN**

SCALE: 1/2" = 1'-0"



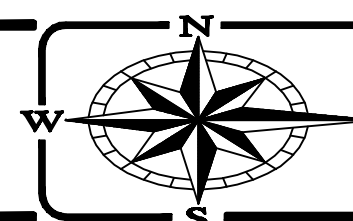
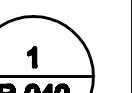
**SECTION B**

SCALE: 1/2" = 1'-0"



**SHOOTING STAND ELEVATION**

SCALE: 1/2" = 1'-0"





Fernwood State Forest  
Shooting Ranges



Photograph 1 View of pistol range looking south at benches.



Photograph 2 View of backstop at pistol range looking east from benches.

July 1, 2015



Fernwood State Forest  
Shooting Ranges



**Photograph 3** Overview of pistol range looking north.



**Photograph 4** View of bench area at rifle range looking east from sidewalk.

July 1, 2015



Fernwood State Forest  
Shooting Ranges



Photograph 5 Overview of rifle range looking north from benches.



Photograph 6 Overview of trap range looking west from parking lot.

July 1, 2015



Fernwood State Forest  
Shooting Ranges



**Photograph 7** Overview of herbaceous vegetation located in middle portion of trap range. Photo is looking west.



**Photograph 8** Overview of trap range looking east, back at parking lot.

July 1, 2015