

## **Addendum #1**

### **T2 R9 Training Site Development Project Phase I**

#### **Project No. 23TC20-508 Bid Number # 20-041**

Directorate of Facilities Engineering

26 May 2020

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated 15 May 2020 as noted below. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification. This Addendum consists of the following:

#### **Specification Items:**

1. **Remove** page 4, Section 01 00 00, Administrative Provisions, and **insert** enclosed page 4, Section 01 00 00, Administrative Provisions. This Addendum removes a conflict with Section 1.02 (D) and adds a do not start before date for the Alternate Bid Items.
2. **Remove** Performance Specification 25 Meter Range Tower and **insert** attached Performance Specification 25 Meter Range Tower. Change is the minimum size of structure is reduced from 400 square feet to 100 square feet.
3. **Remove** cover Appendix 4, 25 Meter Range, and **insert** attached cover Appendix 4, 25 Meter Range. Corrected title.
4. **Remove** Map from Appendix 5, 25 Meter Access Road, and **insert** attached map. Corrects road width size from 24 ft. to 15 ft.
5. **Insert** attached map, T2 R9 Development Range Access Road SW, after cover page for Appendix 6. This Sheet was inadvertently omitted from the bid documents.
6. **Remove** Sheet S106, Lime Storage Shed from Appendix 9. This sheet only applies to Appendix 10.
7. **Remove** Map Appendix 9, Pea Ridge Access Road and **insert** attached map Pea Ridge Access Road. Corrected title.

#### **Drawing Items:**

1. **Remove** Sheet C-103, Site Plan, from Appendix 4, 25 Meter Range, and **insert** attached Sheet C-103, Site Plan. Change is size of 25 meter range tower.
2. **Insert** attached Sheet S103, Observation Bunker, in Appendix 9, T2 R9 Light Demolition Range (LDR), between Sheets C-501, Site Details, and Sheet S104, Overflow Bunker. This Sheet was inadvertently omitted from the bid documents.

3. **Remove** Sheet C-107, T2 R9 Light Demolition Range Staging Area Site and **insert** attached Sheet C-107, T2 R9 Light Demolition Range Staging Area Site. This is for Appendix 10, T2 R9 Light Demolition Range Staging Area. Electrical Conduit Note.

Attachments:

- 1 - Page 4 Section 01 00 00
- 2 - Performance Specification 25 Meter Range Tower
- 3 - Cover Appendix 4
- 4 - Map Appendix 5
- 5 - Map T2 R9 Development Range Access Road SW
- 6 - Map T2 R9 Development Pea Ridge Access Road
- 7 - Sheet C-103, Site Plan
- 8- Sheet S103, Observation Bunker
- 9- Sheet C107, LDR Typical Staging Area Site

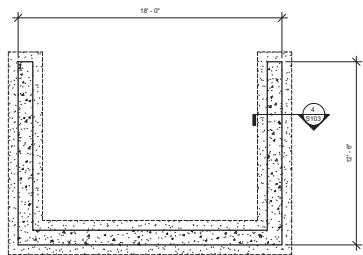
- A. Substantial Completion: Work of the Contract must be Substantially Completed by
- a. Tree Clearing: **31 July 2021** so that the Owner can have full use of interior space.
  - b. 25 Meter Range and Access Roads: **15 July 2021.**
  - c. Training Site Operations Building: **15 July 2021.**
1. Except as otherwise specified, Substantial Completion is hereby defined to mean a stage of completion sufficient for the Owner to have full beneficial use and occupancy of the structure involved, less only minor corrections and repairs that can be performed without undue annoyance to building occupants which shall be documented on the "punch list" as specified hereinafter. Beneficial use and occupancy means removal of all debris, interior and exterior scaffolding, surplus equipment and material and cleaning as required under the Contract completed.
- B. Final Completion of all Work of this Contract shall be by **30 November 2021.**
1. Except as otherwise specified, Final Completion is when the Work of the Contract has been completed in accordance with the terms and conditions of the contract documents with no "punch list" items open, and is ready for final payment.
- C. The expiration date of this Contract is **31 December 2021.**
1. Except as otherwise specified, Expiration Date is hereby defined to mean the date when all engagements of the parties has ended, except to those which arise from the non-fulfillment of obligations created during its existence, such as warranties.
- D. In the event any Alternate Bid Items (ABI's) are awarded they shall not start any earlier than **1 December 2020.** Awarding of ABI's shall not alter the dates listed in items A, B, and C. for the base bid items.
- E. Within ten (10) working days following receipt of the fully executed formal Contract Agreement by the Contractor, the Contractor shall prepare a proposed Phasing and Progress Schedule. The final Schedule shall be as mutually agreed to by the Owner and Contractor, and within the following guidelines:
1. The Owner's business operations must continue throughout the entire construction period.
  2. Work within the building interior must comply with the Owner's requirements for continued use and occupancy.
  3. Applicable egress codes must be complied with during the construction period. In particular, building entrances and exit ways must be kept open at all times.

### 1.03 REGULATORY REQUIREMENTS

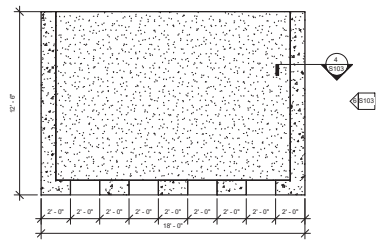
- A. Conform to Local, State and Federal codes.

### 1.04 PROJECT MEETINGS

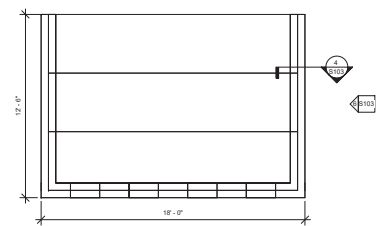
- A. Requirements:



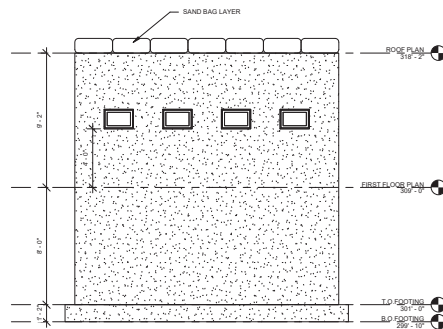
1 FOUNDATION PLAN  
SCALE: 1/4" = 1'-0"



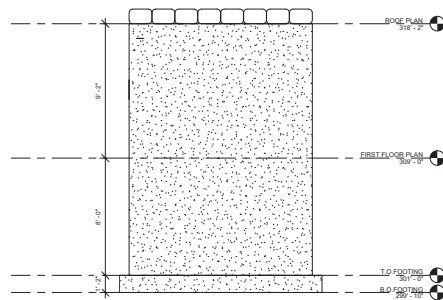
2 FLOOR PLAN  
SCALE: 1/4" = 1'-0"



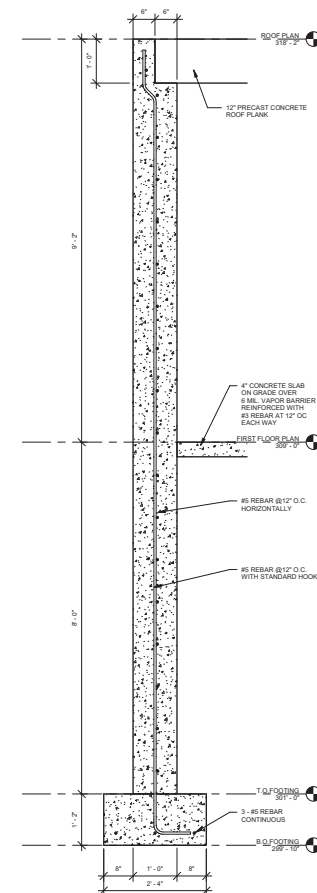
3 ROOF FRAMING PLAN  
SCALE: 1/4" = 1'-0"



4 FRONT ELEVATION  
SCALE: 1/4" = 1'-0"



5 SIDE ELEVATION  
SCALE: 1/4" = 1'-0"



6 TYPICAL WALL SECTION  
SCALE: 3/4" = 1'-0"



NO.	DATE	DESCRIPTION

DESIGNED BY: [REDACTED]	CHECKED BY: [REDACTED]
DRAWN BY: [REDACTED]	DATE: 2018.12.21
PROJECT NO.: [REDACTED]	PROJECT NAME: [REDACTED]
CLIENT: [REDACTED]	PROJECT LOCATION: [REDACTED]
SCALE: [REDACTED]	PROJECT NO.: [REDACTED]

STATE OF MAINE  
DEPARTMENT OF DEFENSE, UPTERRAS  
AND DEFENDANT MANAGEMENT

CELE, INC.  
465 W. BROAD ST.  
PORTLAND, ME 04101  
(207) 893-4854

OBSERVATION BUNKER  
T2 R9 TS, T2 R9 TWP, MAINE  
LIGHT REDUCTION RANGE

PLANS AND DETAILS

PLAN PROGRESS	
<input type="checkbox"/>	NOT REVIEWED
<input type="checkbox"/>	REVIEWED
<input type="checkbox"/>	REVIEWED
<input type="checkbox"/>	REVIEWED
<input type="checkbox"/>	REVIEWED
<input type="checkbox"/>	REVIEWED
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SHEET NO:  
S103  
SHEET: 12 OF 15

## **Performance Specification 25 METER RANGE TOWER**

### **Purpose**

The 25 Meter Range Tower provides command and control and safety for range personnel and personnel using the firing range. Minimum square footage shall be 100 sq. ft.

### **Design Requirements (Base Bid):**

#### **General:**

The standard design must be in accordance with the design codes and criteria of the specific location, geotechnical information, structural loads, mechanical design criteria, etc. This includes roof snow loads requirements for that area.

The facility typically requires access by able-bodied personnel only and does not require ADA compliance.

The observation area has windows that can provide natural light and ventilation and observation on all four sides of the tower. The minimum ceiling height is 8 feet. Tower platform shall be no less than 9 feet above finish grade and a wrap around stairway with landing shall be provided for observation.

The facility may be "stick-built" on site or a prefabricated structure built to these specifications.

A flat roof is not allowed.

The facility will consist of vinyl tile or similar durable floor system an exposed ceiling and durable finished wall.

Facility will be placed on top of a concrete slab reinforced with REBAR sized to accommodate a 10' x 10' structure. If a pre fab building is procured, foundation shall be in accordance with manufactures guidance.

#### **Mechanical**

The facility will provide heating and cooling in the office area. Heating and AC units will be provided by Owner. Contractor is required to provide infrastructure to accommodate.

#### **Electrical**

Power Distribution Primary distribution service will be underground fed from a generator (provided by owner) mounted on a concrete generator pad (provided by contractor). Provide this facility with a panel board supplied with main circuit breaker that serves separate circuits for the lighting, convenience outlets, and HVAC equipment.

**Plumbing: N/A**

### **Lightning Protection and Grounding**

Grounding and lightning protection systems are required for safety. Building electrical system grounding will consist of one or more ground rods connected to the service panel in accordance with NFPA 70. Provide lightning protection system if required by NFPA 780 Risk Assessment;

### **Lighting**

Design illumination levels in accordance with the IES. Provide Emergency and Exit lighting in accordance with NFPA 101 and NFPA 70. Provide switching for interior, with one switch located inside the observation room.

### **Special Considerations**

Fire protection is not normally required for this facility, though local requirements may control. Consult the Fire Marshal for local requirements. Fire extinguishers and cabinets are required per NFPA.

Provide concrete pad sized to accommodate a minimum of two porta-potties.

# APPENDIX 4

## T2 R9 25 METER RANGE

T2 R9 Training Site Development Project

Phase I

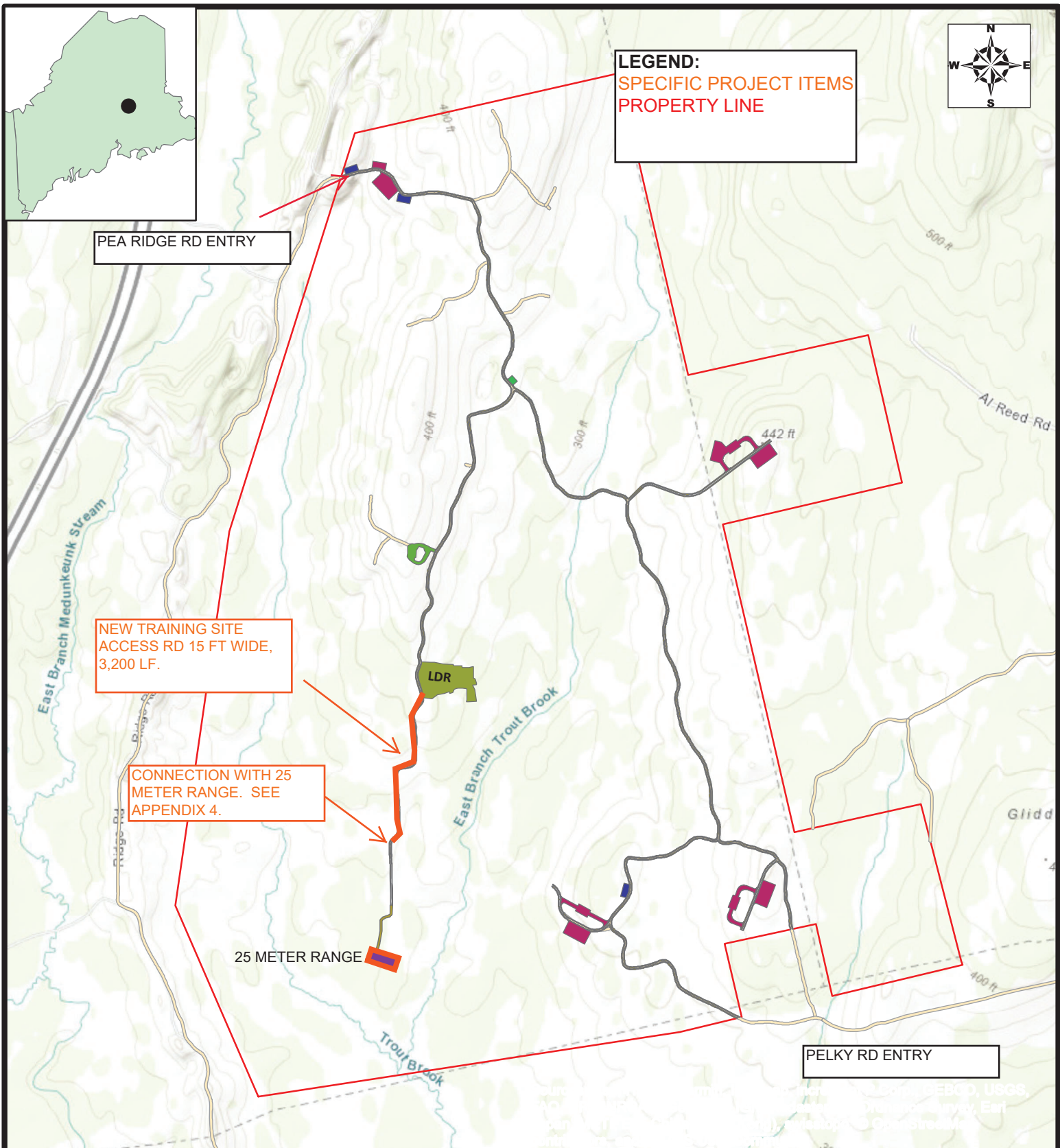
T2 R9 TWP, Maine

PROJECT #23TC20-508

BID# 20-41

15 May 2020

**T2 R9 DEVELOPMENT 25 METER RANGE ACCESS ROAD**



**LEGEND:**  
 SPECIFIC PROJECT ITEMS  
 PROPERTY LINE

PEA RIDGE RD ENTRY

NEW TRAINING SITE  
 ACCESS RD 15 FT WIDE,  
 3,200 LF.

CONNECTION WITH 25  
 METER RANGE. SEE  
 APPENDIX 4.

25 METER RANGE

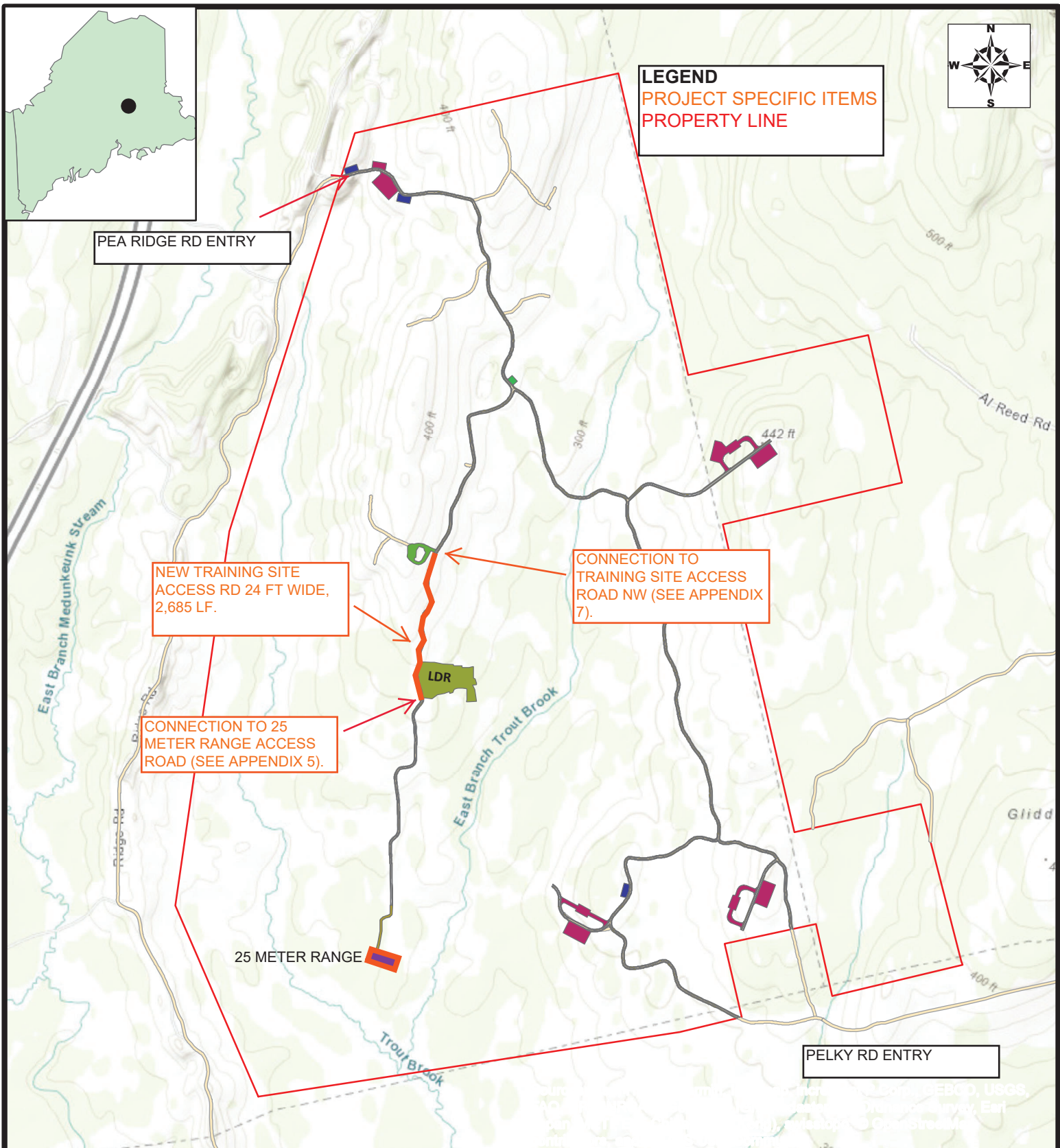
PELKY RD ENTRY

**NOTES:**

1. PROJECT CONSIST OF CONSTRUCTION OF A 15FT WIDE GRAVEL ROAD STARTING AT THE PROPOSED LIGHT DEMOILTION RANGE (LDR) SITE TO THE START OF THE 25 METERS RANGE ACCESS ROAD. LENGTH OF THIS SECTION OF ROAD IS APPROXIMATELY 3,000 LF.
2. TREES AND VEGETATION WILL BE CLEARED 12 FT FROM ETHE EDGE OF THE NEW ROAD ON EACH SIDE.
3. ACCESS TO THE PROJECT SITE IS COMPLETELY THE RESPONSIBILITY OF THE CONTRACTOR. (SEE APPENDICIE 6 AND 7). CONTRACTOR SHALL ACCESS TRAINING SITE VIA THE PEA RIDGE ROAD ENTRY.
4. NO TREE CLEARING FROM 1 JUNE TO 31 JULY. MEARNG SHALL HAVE EXCLUSIVE USE OF THE TRAINING SITE FROM 1 -31 AUGUST. PROJECT CANNOT START UNTIL 1 SEPTEMBER 2020.
5. ACCESS ROAD MUST BE SUBTANTIAALLY COMPLETED NLT 15 JULY 2021.
6. PLANS AND DETAILS ATTACHED.



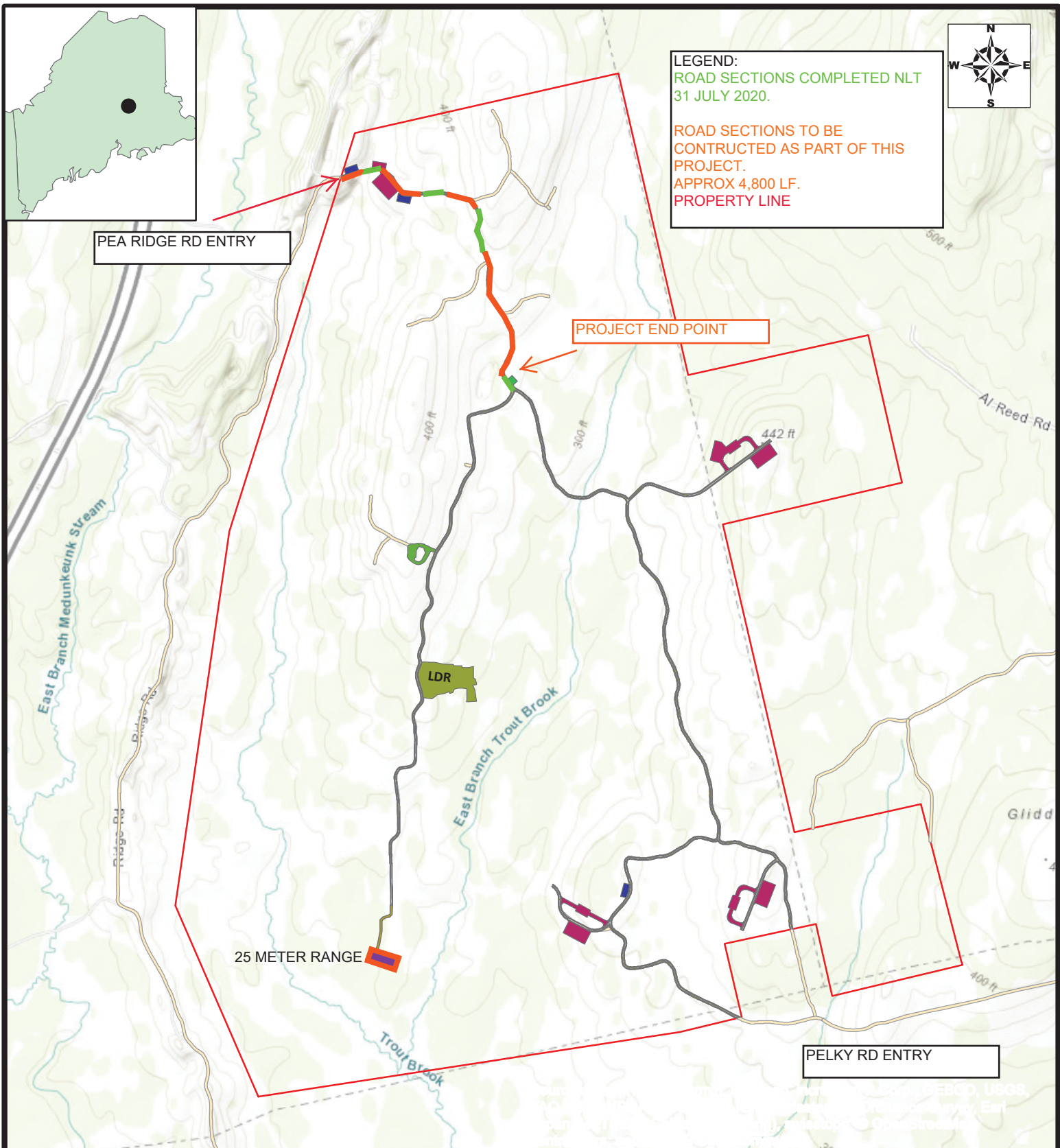
**T2 R9 DEVELOPMENT RANGE ACCESS ROAD SW**



**NOTES:**

1. PROJECT CONSISTS OF CONSTRUCTION OF A 24 FT WIDE GRAVEL ROAD STARTING AT THE PROPOSED LIGHT DEMOILTION RANGE (LDR) STAGING AREA AND ENDING AT THE PROPOSED LDR. LENGTH OF THIS SECTION OF ROAD IS APPROXIMATELY 2,865 LF.
2. TREES AND VEGETATION WILL BE CLEARED 25 FT FROM THE CENTER LINE OF THE NEW ROAD ON EACH SIDE.
3. ACCESS TO THE PROJECT SITE IS COMPLETELY THE RESPONSIBILITY OF THE CONTRACTOR. (SEE APPENDIX 7). CONTRACTOR SHALL ACCESS TRAINING SITE VIA THE PEA RIDGE ROAD ENTRY.
4. NO TREE CLEARING FROM 1 JUNE TO 31 JULY. MEARNNG SHALL HAVE EXCLUSIVE USE OF THE TRAINING SITE FROM 1 -31 AUGUST. PROJECT CANNOT START UNTIL 1 SEPTEMBER 2020.
5. ACCESS ROAD MUST BE SUBTANTIAALLY COMPLETED NLT 15 JULY 2021.
6. PLANS AND DETAILS ATTACHED.

**T2 R9 DEVELOPMENT PEA RIDGE ACCESS ROAD**



**LEGEND:**  
 ROAD SECTIONS COMPLETED NLT 31 JULY 2020.  
 ROAD SECTIONS TO BE CONSTRUCTED AS PART OF THIS PROJECT.  
 APPROX 4,800 LF.  
 PROPERTY LINE



PEA RIDGE RD ENTRY

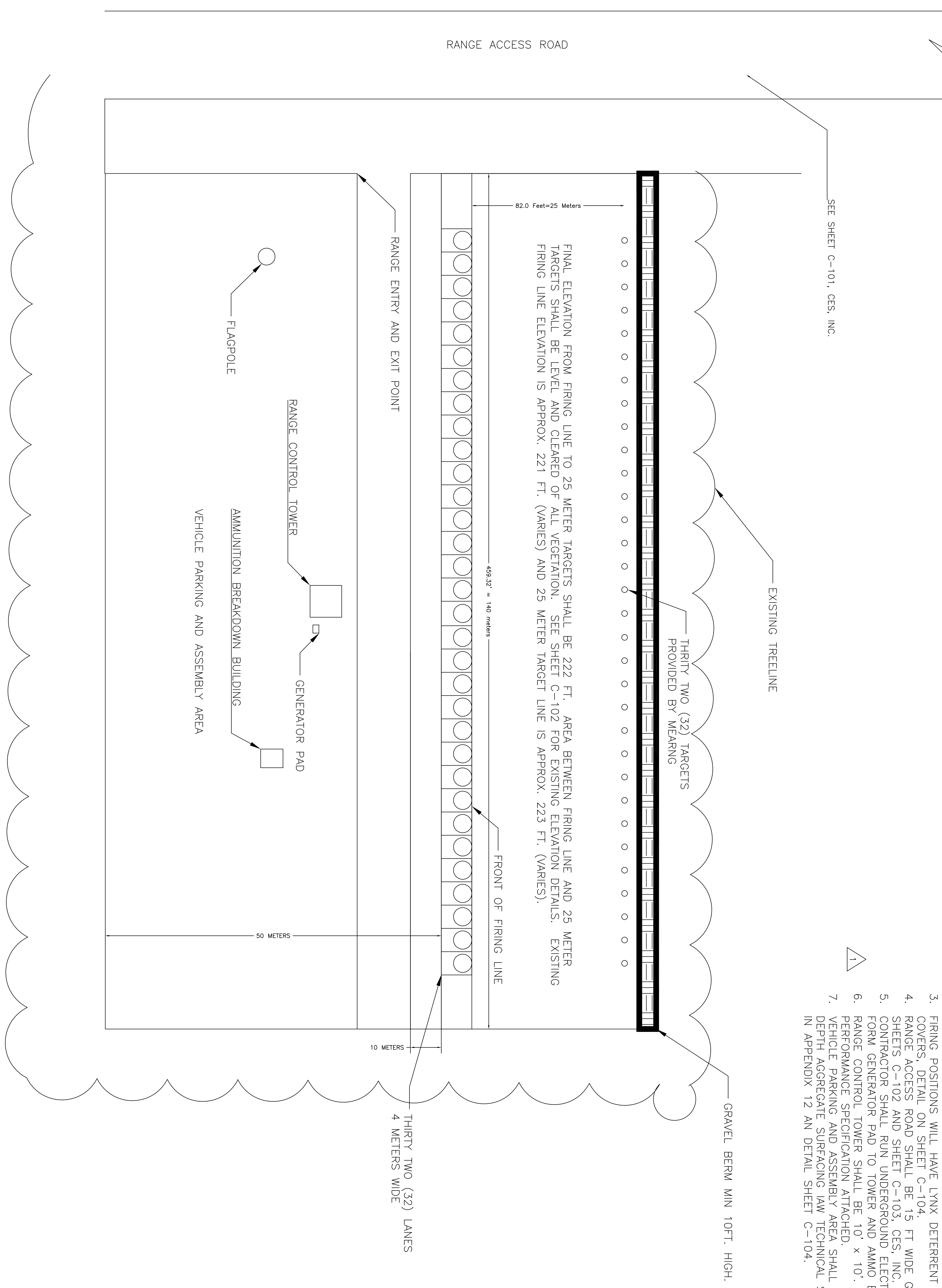
PROJECT END POINT

25 METER RANGE

PELKY RD ENTRY

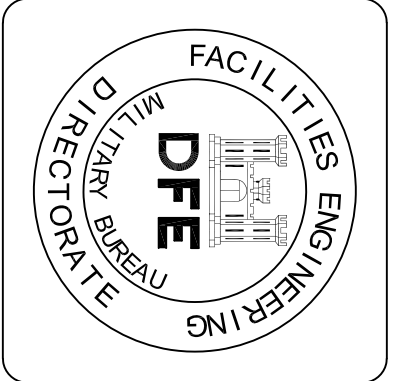
**NOTES:**

1. PROJECT CONSIST OF CONSTRUCTION OF A 24 FT WIDE GRAVEL ROAD STARTING AT THE PEA RIDGE ROAD ENTRY POINT AND ENDING AT THE PREVIOUSLY COMPLETED SECTION OF ROAD INDICATED ABOVE. TOTAL LENGTH OF NEW ROAD IS APPROXIMATELY 4,800 LF.
2. TREES AND VEGETATION WILL BE CLEARED 25 FT FROM THE CENTER LINE OF THE NEW ROAD ON EACH SIDE.
3. ACCESS TO THE PROJECT SITE IS COMPLETELY THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL ACCESS TRAINING SITE VIA THE PEA RIDGE ROAD ENTRY. CONTRACTOR WILL BE ABLE TO ACCESS THIS PROJECT SITE WITH CONSTRUCTION VEHICLES.
4. NO TREE CLEARING FROM 1 JUNE TO 31 JULY. MEARNG SHALL HAVE EXCLUSIVE USE OF THE TRAINING SITE FROM 1 -31 AUGUST. PROJECT CANNOT START UNTIL 1 SEPTEMBER 2020.
5. ACCESS ROAD MUST BE SUBSTANTIALLY COMPLETED -TBD.
6. PLANS AND DETAILS ATTACHED.
7. NO SURVEY DATA EXISTS FOR THIS PORTION OF THE PROJECT YET. USE STANDARD ROAD DETAIL FOR BIDDING PURPOSES. NO CULVERTS HAVE BEEN IDENTIFIED TO BE REPLACED AS PART OF THIS PORTION OF THE PROEJCT.



SEE SHEET C-101, CES, INC.

- GENERAL NOTES:**
1. DETAILS ON FIRING POSITIONS, CONTROL TOWER, AMMUNITION BREAKDOWN BUILDING, GENERATOR PAD AND FLAGPOLE WILL BE FOUND ON SHEET C-104, DETAILS.
  2. EXISTING TOPOGRAPHY SHALL BE FOUND ON SHEET C-101, CES, INC..
  3. FIRING POSITIONS WILL HAVE LYNX DETERRENT DEVICES (LDD) COVERS, DETAIL ON SHEET C-104.
  4. RANGE ACCESS ROAD SHALL BE 15 FT WIDE GRAVEL. SEE SHEETS C-102 AND SHEET C-103, CES, INC.
  5. CONTRACTOR SHALL RUN UNDERGROUND ELECTRICAL CONDUIT FORM GENERATOR PAD TO TOWER AND AMMO BUILDING.
  6. RANGE CONTROL TOWER SHALL BE 10' x 10'. SEE PERFORMANCE SPECIFICATION ATTACHED.
  7. VEHICLE PARKING AND ASSEMBLY AREA SHALL BE 1 FT DEPTH AGGREGATE SURFACING LAW TECHNICAL SPECIFICATIONS IN APPENDIX 12 AN DETAIL SHEET C-104.



PLAN REVISIONS		
Rev#	Description	Date
1	Addendum 1	5/26/20

DESIGNED BY:  
DRAWN BY: PRL  
CHECKED BY:  
DATE: 31/31/2020  
SCALE: N.T.S.  
DFE PROJECT NO: 237C19-504

**STATE OF MAINE**  
**DEPARTMENT OF DEFENSE, VETERANS AND EMERGENCY MANAGEMENT**

Consultant Name  
Direc. of Facilities Engineering  
Bdlg. 7, Camp Keyes  
Consultant Town and State  
207-430-6329 paul.r.lapointe.nfg@mail.mil

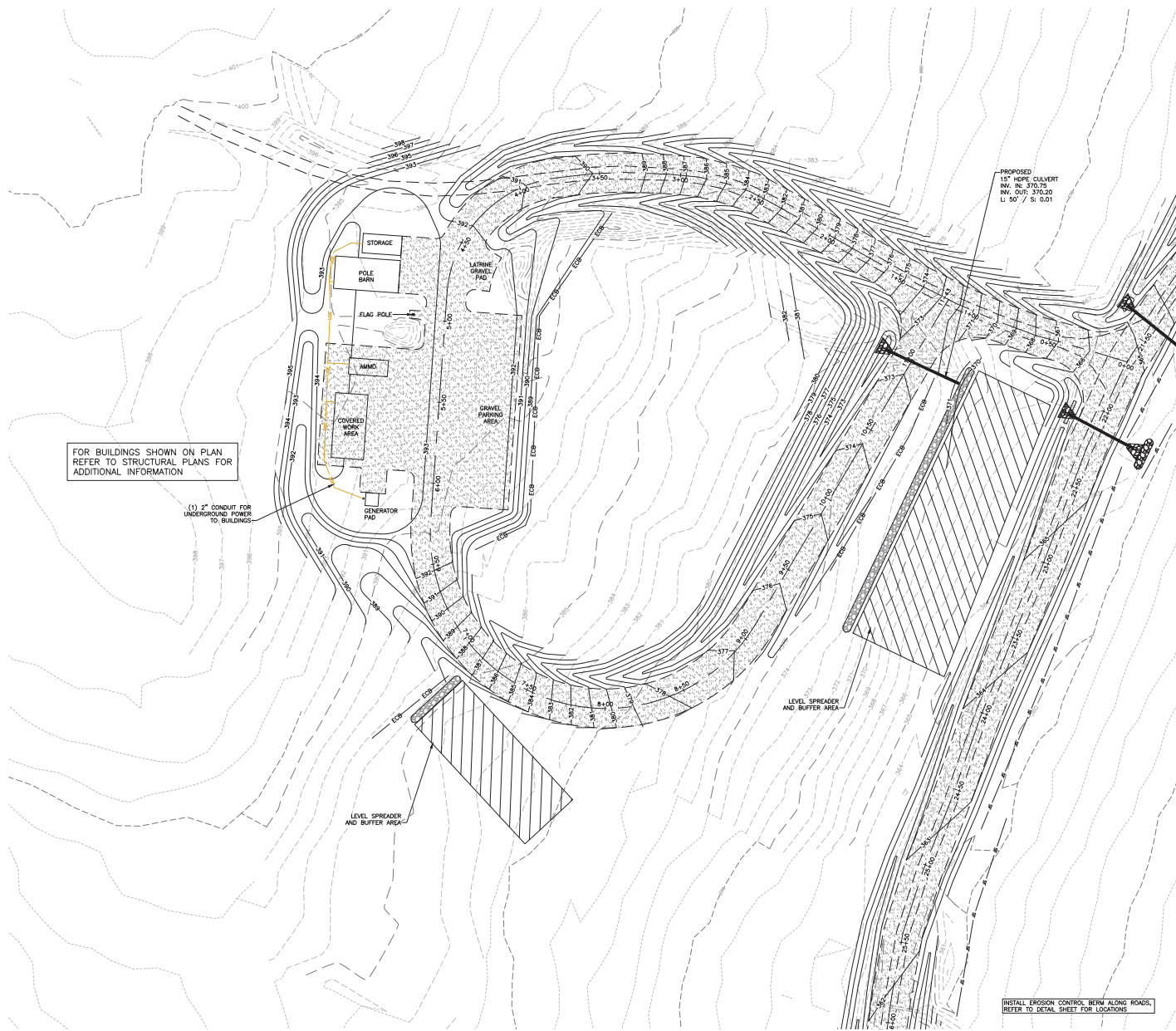
25 Meter Range  
T2 R9 TWP, Maine

SITE PLAN  
25 METER RANGE

- PLAN PROGRESS**
- DRAFT
  - 35% REVIEW
  - 50% REVIEW
  - 95% REVIEW
  - FINAL REVIEW
  - FOR BIDDING
  - ISSUED FOR CONSTRUCTION
  - RECORD DRAWINGS

SHEET ID:  
**C-103**

SHEET: 1 OF 3



FOR BUILDINGS SHOWN ON PLAN REFER TO STRUCTURAL PLANS FOR ADDITIONAL INFORMATION

(1) 2" CONDUIT FOR UNDERGROUND POWER TO BUILDINGS

PROPOSED  
10" HDPE CULVERT  
RW: 370.75  
RV: OUT: 370.20  
L: 50' / S: 0.01

LEVEL SPREADER AND BUFFER AREA

LEVEL SPREADER AND BUFFER AREA

INSTALL EROSION CONTROL BERM ALONG ROADS. REFER TO DETAIL SHEET FOR LOCATIONS

LEGEND:

DESCRIPTION	EXISTING	PROPOSED
EDGE OF GRAVEL	---	---
CENTERLINE	N/A	---
MAJOR FOOT CONTOUR	---	---
MINOR FOOT CONTOUR	---	---
TREELINE	---	---
CULVERT FLOW ARROW	N/A	→
EROSION CONTROL BERM	---	ECB
RIP RAP	---	---
GRAVEL	---	---
CULVERT	---	---
UNDERGROUND POWER	---	---



PLAN REVISIONS	Date	By
2	5/26/20	ACH
1	4-9-20	ACH
1 PER CLIENT REVIEW COMMENTS		

DESIGNED BY: ACH  
 DRAWN BY: WAB  
 DATE: 22/01/2020  
 SCALE: 1" = 30'  
 DFE PROJECT NO: 10921.01Z  
 CONSULTANT JOB NUMBER: 10921.01Z

**STATE OF MAINE**  
 DEPARTMENT OF DEFENSE, VETERANS  
 AND EMERGENCY MANAGEMENT  
 Consultant Name  
 CES, INC. BREWER, MAINE  
 465 SOUTH MAIN ST. BREWER, MAINE  
 207-893-4824

CONSTRUCTION OF LIGHT DEMOLITION RANGE AND ACCESS ROAD T2 R9 TS, T2 R9 TWP, MAINE  
 LDR TYPICAL STAGING AREA SITE

PLAN PROGRESS  
 DRAFT  
 35% REVIEW  
 65% REVIEW  
 95% REVIEW  
 FINAL REVIEW  
 FOR BIDDING  
 ISSUED FOR CONSTRUCTION  
 RECORD DRAWINGS

SHEET ID:  
 C-107  
 SHEET: 7 OF 15

