

## Addendum #1

Directorate of Facilities Engineering

8 August 2022

This Addendum modifies, amends, and supplements designated parts of the Contract Documents, Specifications and Drawings for:

**Maneuver Trail Improvements, Gardiner Training Site, Gardiner, Maine, DFE Project Number 23TR22-602-D, BGS Project Number 3447, Bid Number 23-009.**

It shall be the responsibility of the Contractor to notify all Subcontractors and Suppliers for various portions of the work of any changes or modifications contained in this Addendum.

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### **Clarification Items:**

1. **Question #1:** When is the drop-dead date for paving on this project?

**Answer #1:** The MDOT paving completion date is 15 November 2022. The Contractor may be allowed to pave past the 15 November 2022 date as long as the plants are still running and weather is appropriate. The A/E will have final determination if weather is appropriate.

2. **Question #2:** Are both 18” Culverts in the “Bid Alternate Road” @ 5+00 and 6+00 considered to be in the base bid or are they to be included in Bid Alternate 1?

**Answer #2:** See revised plan set sheets C101, C104, C106 and C107.

3. **Question #3:** How often is Gorrill Palmer/Maine National Guard going to require compaction testing on gravel?

**Answer #3:** Compaction testing on gravel will be required every 50 feet. If compaction is consistently reached, testing will only be required every 100 feet. If a compaction test point fails during the 100 feet testing intervals, testing will be required every 50 feet again.

4. **Question #4:** Is the Gardiner Training Site in Gardiner Maine?

**Answer #4:** No, the Gardiner Trainings Site is in West Gardiner. Section 01 00 00 Administrative Provisions - G. Coordination: (2). The Contractor shall contact the **Town of West of Gardiner** to coordinate required permitting. The Contractor shall obtain and pay for all necessary construction permits. The Contractor shall send two (2) copies of all permits to the Owner.

5. **Question #5:** All the Contractors say that their Paving Machines are a minimum of 10’-0”. How will Contractors pave a 12’-0” trail with a pitch?

**Answer #5:** Pave the full width of the trail and disregard the pitch.

6. **Question #6:** When is the drop-dead date for paving on this project?

**Answer #6:** The MDOT paving completion date is 15 November 2022. The Contractor may be allowed to pave past the 15 November 2022 date as long as the plants are still running and weather is appropriate. The A/E will have final determination if weather is appropriate.

7. **Question #7:** How should traffic be controlled on Route 126?

**Answer #7:** The Contractor is responsible for coordinating with the Town of West Gardiner for the requirements of traffic control. If the Town of West Gardiner directs the Contractor to the State of Maine - MDOT. The Contractor shall coordinate with the Authority Having Jurisdiction (AHJ).

8. **Question #8:** Is the office trailer necessary for this project?

**Answer #8:** Yes, the office trailer is required for this project. Lighting in the office trailer will be required.

9. **Question #9:** Is fueling on-site allowed?

**Answer #9:** Yes, fueling is allowed on-site so long as the Contractor has a proper spill-kit readily accessible.

10. **Question #10:** The Contractor is responsible for some signs (I believe there are 5). I need to know the size of these signs and what the background and letter colors are. This is coming from White Sign, so it is definitely not a standard sign?

**Answer #10:** Based off the Manual of Traffic Signs, Standard Sign Colors, a white sign with black lettering is applicable. Sign dimensions should be 1' x 1'.

11. **Question #11:** Will need to know if the 12' wide trail can be sloped to one side or the other, or if it needs to be crowned as shown on the drawings. If crowned it will be much more costly because of the small paver that needs to be utilized and how it is filled. Also, the compaction equipment will be much smaller and will be more difficult to reach the required compaction.?

**Answer #11:** Pave the full width of the trail and disregard the pitch.

12. **Question #12:** Material testing by the Contractor. Will need to know more about the requirement of both soil compaction and what will be required for pavement testing. Need to know how often the aggregate compactions will be required?

**Answer #12:** Compaction testing on gravel will be required every 50 feet. If compaction is consistently reached, testing will only be required every 100 feet. If a compaction test point fails during the 100 feet testing intervals, testing will be required every 50 feet again. For pavement requirements, see Section 32 12 16, Asphalt Paving in the contracts and specifications.

13. **Question #13:** The City of Gardiner or Town of West Gardiner will not have any requirements for traffic control. Route 126 is a State highway and if their traffic control Engineer goes by the site while trucks are going in and out and if work is taking place adjacent to the highway (Alternate 2) he is going to be upset. Someone at Gorrill Palmer should be able to provide some type of minimum traffic control required, so everyone is bidding apples to apples?

**Answer #13:** The Contractor is responsible for coordinating with the Town of West Gardiner for the requirements of traffic control. If the Town of West Gardiner directs the Contractor to the State of Maine – MDOT, the Contractor shall coordinate with the Authority Having Jurisdiction (AHJ).

14. **Question #14:** Where do we drop the Bids off?

**Answer #14:** Bid Drop Off Address, Drop off at the Directorate of Facilities Engineering, 194 Winthrop Street, Building #7, Camp Keyes, Augusta, Maine 04333-0033. To Access the Building call Sherrill Hallett – (207) 430-5694.

15. **Question #15:** Can you send the Pre-Bid Sign-In Sheet with the first Addendum?

**Answer #15:** Yes, see Attachment #1 - Pre-Bid Sign-In Sheet.

16. **Question #16:** When are the last questions due?

**Answer #16:** As announced at the Pre-Bid, the last questions are due in by 8 August 2022 at 1200hrs.

### **Specification Items:**

1. None.

### **Drawing Items:**

1. Remove Drawings Sheet C101 and replace with Revised Drawing Sheet C101.
2. Remove Drawings Sheet C104 and replace with Revised Drawing Sheet C104.
3. Remove Drawings Sheet C106 and replace with Revised Drawing Sheet C106.
4. Remove Drawings Sheet C107 and replace with Revised Drawing Sheet C107.
5. Bidder have requested the Pre-Bid Sign-In Sheet, see Attachment #1.

# ATTACHMENT #1

Pre Bid Attendance sheet

Maneuver Trail Improvements Gardiner Training Site, Gardiner, Maine

Fill out Completely and Please Print Clearly

Project #23TR22-602-D

Bid #23-009

8/4/2023 at 1000hrs

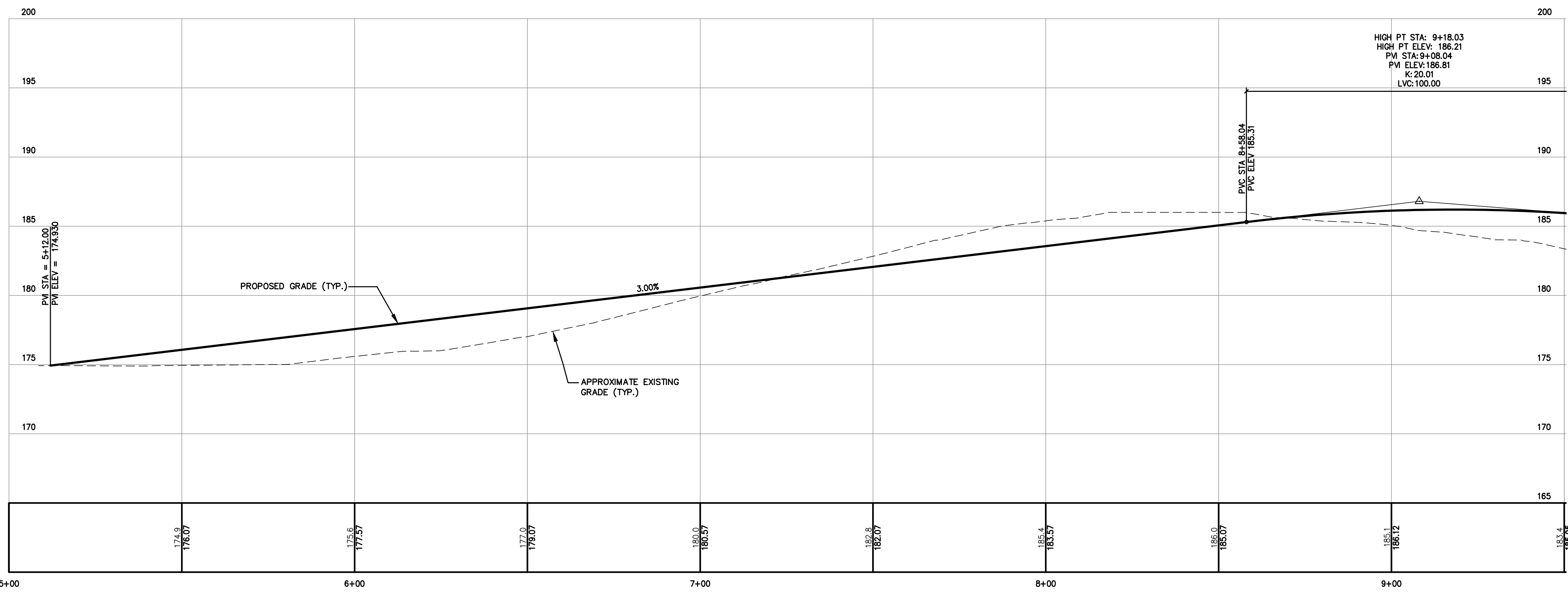
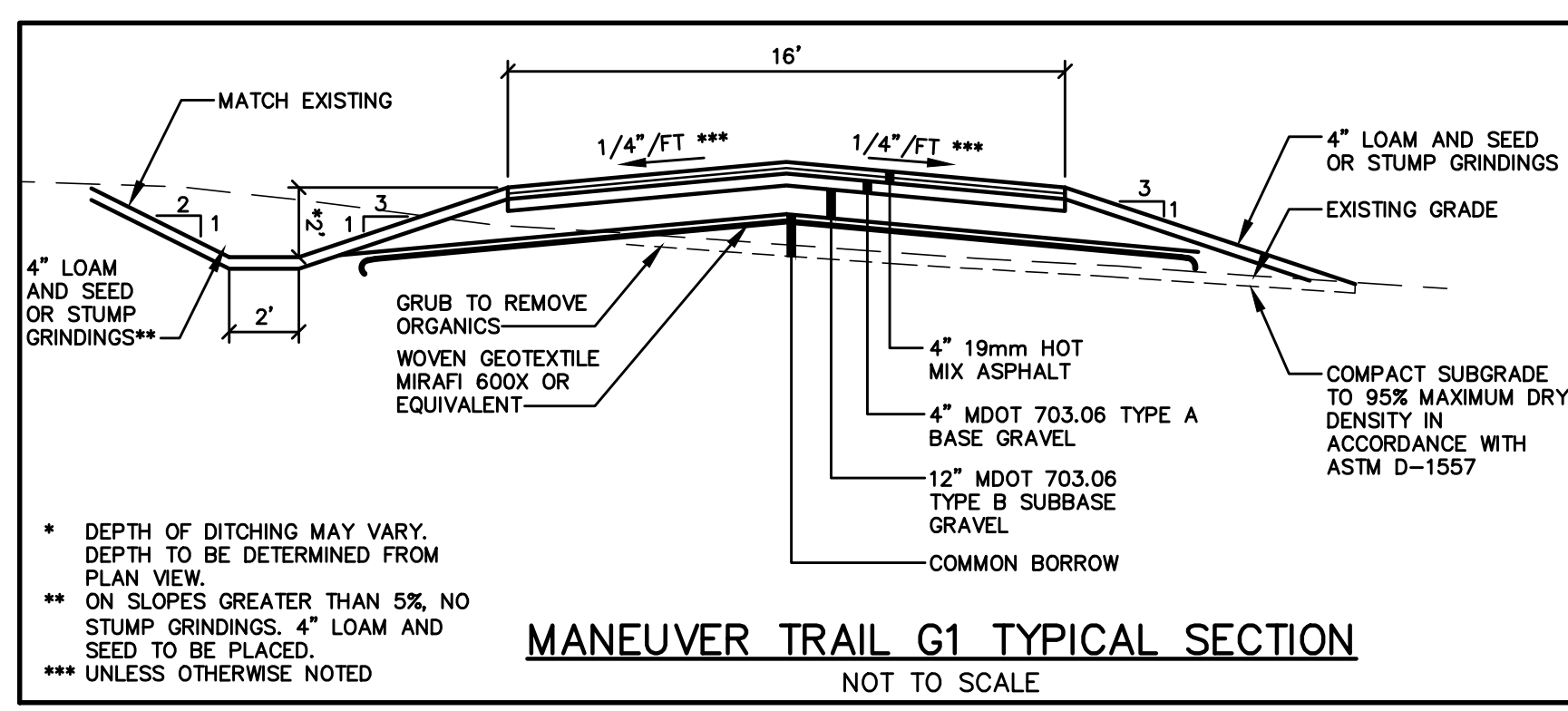
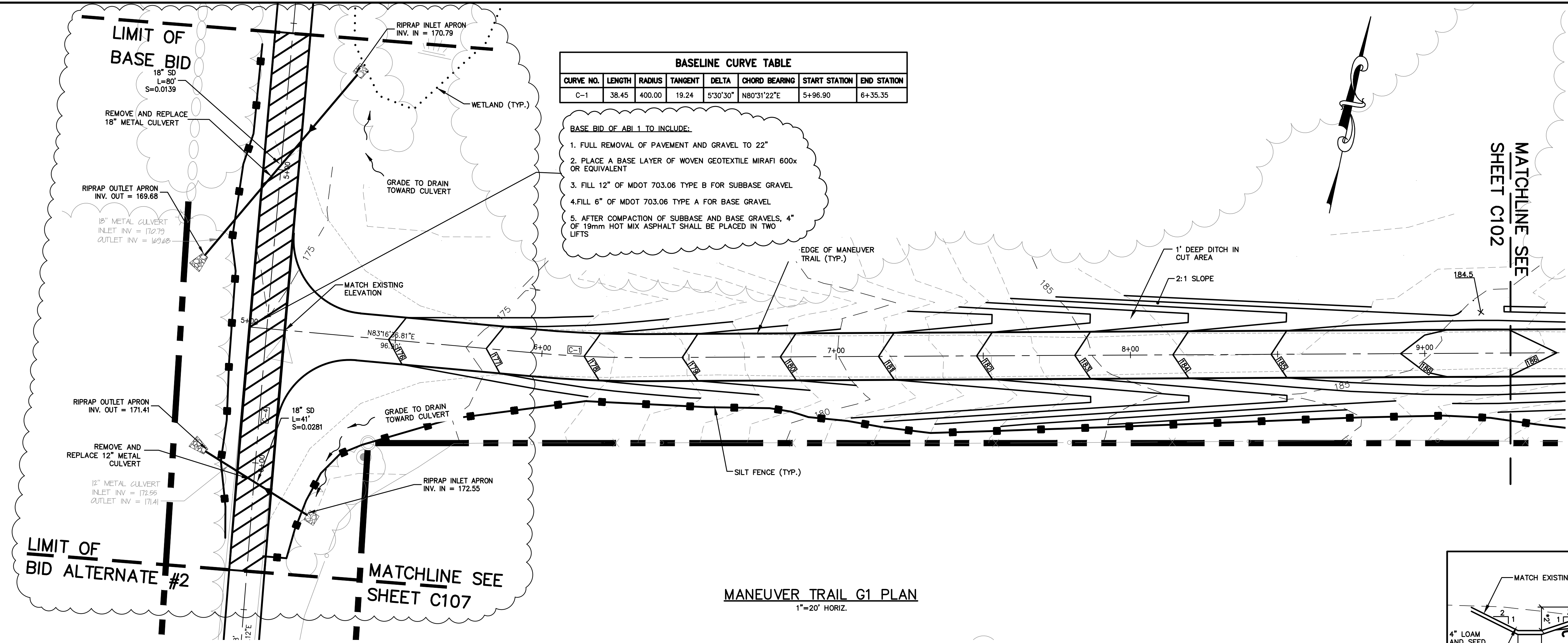
*Incomplete or illegible information may exclude you from bidding*

Company name, Street Address & Mailing address	Attendee Name	Phone #	Facsimile #	e-mail
St. Laurent & Son 20 Highland Spring Rd Lewiston ME 04240	Joe Perryman	784-7944	784-6591	Joe@stLaurentandson.com
McGee Construction 537 High Street West Gardiner, Maine 04345	Tom Linindoll	582-8810	582-8847	tlindoll@mcgeeconstruction.com
CROOKER CONSTRUCTION, LLC 103 LEWISTON ROAD TOPSHAM, MAINE 04086	CAM COX	841-5699	729-5511	cameron@crooker.com
MAIL EX 932 Riverside Dr. Augusta, ME 04330	Bruce Brown	623-9707		MailEx@ROADRUNNER.COM
Manter Construction 92 Iris Lane Sidney, ME 04330	Jennifer Manter	547-3500	547-3998	info@manterconstruction.com
J. Maxwell Trucking 201 Weymouth Rd GRAY ME 04039	Joan Merrill	650-5317		JoanMerrill@JMAXWELLTRUCKING.COM
WilletT Const Rte 17 Chelsea ME	Roben BARTER	215-5904	-	willettconst@outlook.com
F.C. Work & Sons, Inc. 774 Moosehead TRAIL Jackson ME 04921	Jennifer Work	322-8891		jwork@Fairpoint.net

BASELINE CURVE TABLE							
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	START STATION	END STATION
C-1	38.45	400.00	19.24	5°30'30"	N80°31'22"E	5+96.90	6+35.35

- BASE BID OF ARI 1 TO INCLUDE:**
1. FULL REMOVAL OF PAVEMENT AND GRAVEL TO 22"
  2. PLACE A BASE LAYER OF WOVEN GEOTEXTILE MIRAFI 600x OR EQUIVALENT
  3. FILL 12" OF MDOT 703.06 TYPE B FOR SUBBASE GRAVEL
  4. FILL 6" OF MDOT 703.06 TYPE A FOR BASE GRAVEL
  5. AFTER COMPACTION OF SUBBASE AND BASE GRAVELS, 4" OF 19mm HOT MIX ASPHALT SHALL BE PLACED IN TWO LIFTS

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY LINE	---
.....	WETLAND BOUNDARY	.....
---	EDGE OF GRAVEL MANEUVER TRAIL	---
---	EDGE OF PAVED MANEUVER TRAIL	---
---	GRADING CONTOUR LINE	100
+	SPOT ELEVATION	+100.31
---	TREELINE	---
---	TREES & HEDGES	---
---	CULVERT	18" CULVERT
---	RIPRAP	---
---	SILT FENCE - PERIMETER	---
---	CENTER LINE	---



**MANEUVER TRAIL GRAVEL GRADATION TESTING:**

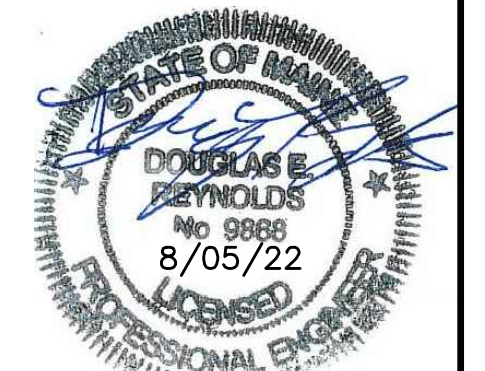
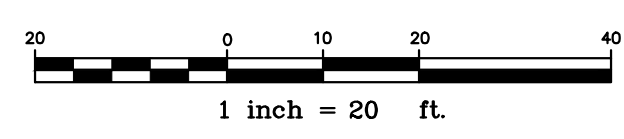
THE CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING AGENCY TO TEST GRAVEL SUPPLIED BY THE CONTRACTOR. THE GRAVEL SUPPLIED BY THE CONTRACTOR SHALL MEET THE M.D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES LATEST EDITION, SECTION 703.06, AGGREGATE FOR BASE AND SUBBASE, FOR 6" MINUS TYPE "B" GRAVEL FOR BASE MATERIAL AND FOR 2" MINUS TYPE "A" GRAVEL FOR SURFACE MATERIAL. THE CONTRACTOR SHALL NOT BE AWARDED THE CONTRACT UNTIL THEY HAVE PASSED ALL MATERIAL TESTING REQUIRED BY THE INDEPENDENT TESTING AGENCY. THE CONTRACTOR SHALL BE ALLOWED TO SUBMIT SAMPLES TWICE TO THE INDEPENDENT TESTING AGENCY. IF THE CONTRACTOR'S MATERIAL SUPPLIED DOES NOT PASS THE SECOND TESTING PROCEDURES, THE OWNER RESERVES THE RIGHT TO REJECT THE CONTRACTOR'S BID PROPOSAL AND SHALL PROCEED TO THE NEXT CONTRACTOR'S LOWEST BID PROPOSAL.

**MANEUVER TRAIL GRAVEL MATERIAL AND COMPACTION TESTING:**

THE CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING AGENCY TO TEST THE GRAVEL PLACED BY THE CONTRACTOR. THE INDEPENDENT TESTING AGENCY SHALL TEST FOR 95% COMPACTION AND TEST GRADATION FOR TYPE OF GRAVEL. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-COMPACT ANY MATERIAL THAT DOES NOT PASS A COMPACTION TEST OF 95% AT THE CONTRACTOR'S OWN EXPENSE. ANY GRAVEL PLACED BY THE CONTRACTOR THAT DOES NOT MEET THE REQUIRED M.D.O.T. GRADATION TESTING SHALL BE REMOVED BY THE CONTRACTOR AND REPLACED AT THE CONTRACTOR'S OWN EXPENSE.

**NOTE: ANY TRAIL CENTERLINE VERTICAL CURVES ABOVE 3% FINAL GRADE WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.**

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Rev.	Date	Revision

ADDENDUM	Date	By
ADDENDUM 1	8/05/22	DER
BIDDING	7/29/22	DER
Issued For		

Design: DJG Draft: LAN Date: MAR 2022  
 Checked: DER Scale: 1"=20' Job No.: 2881.01  
 File Name: 2881-01-PP.dwg

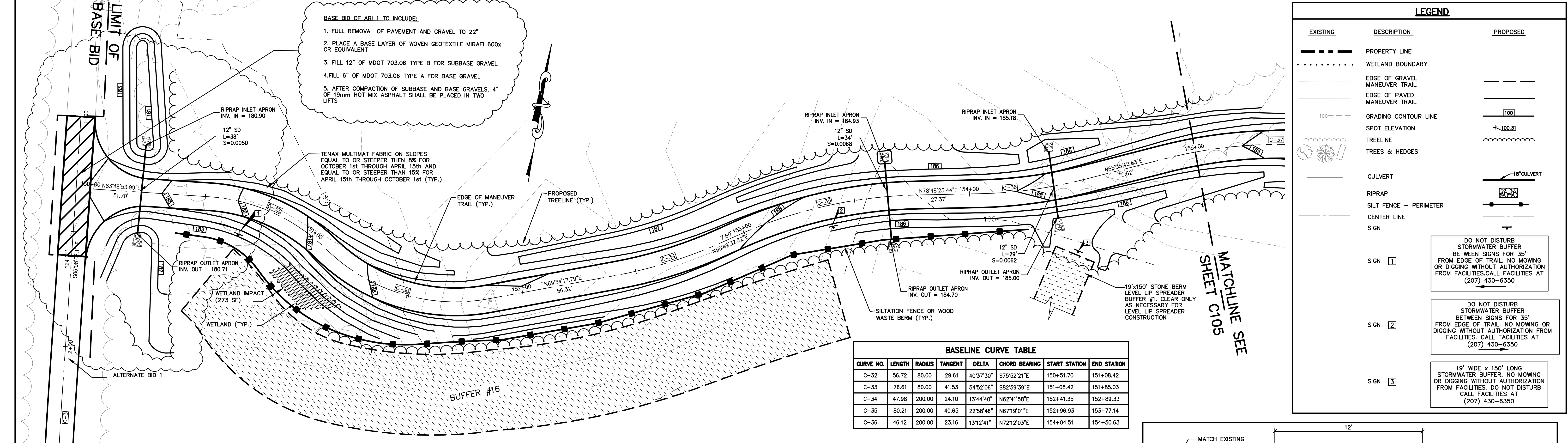
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Drawing Name:	<b>Maneuver Trail G1 - Plan &amp; Profile</b>
Project:	<b>Gardiner Training Area - Maneuver Trail Improvements</b> West Gardiner, Maine
Client:	<b>Maine Army National Guard</b> State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

Drawing No.  
**C101**



- BASE BID OF ARI 1 TO INCLUDE:**
1. FULL REMOVAL OF PAVEMENT AND GRAVEL TO 22"
  2. PLACE A BASE LAYER OF WOVEN GEOTEXTILE MIRAFI 600x OR EQUIVALENT
  3. FILL 12" OF MDOT 703.06 TYPE B FOR SUBBASE GRAVEL
  4. FILL 6" OF MDOT 703.06 TYPE A FOR BASE GRAVEL
  5. AFTER COMPACTION OF SUBBASE AND BASE GRAVELS, 4" OF 19mm HOT MIX ASPHALT SHALL BE PLACED IN TWO LIFTS

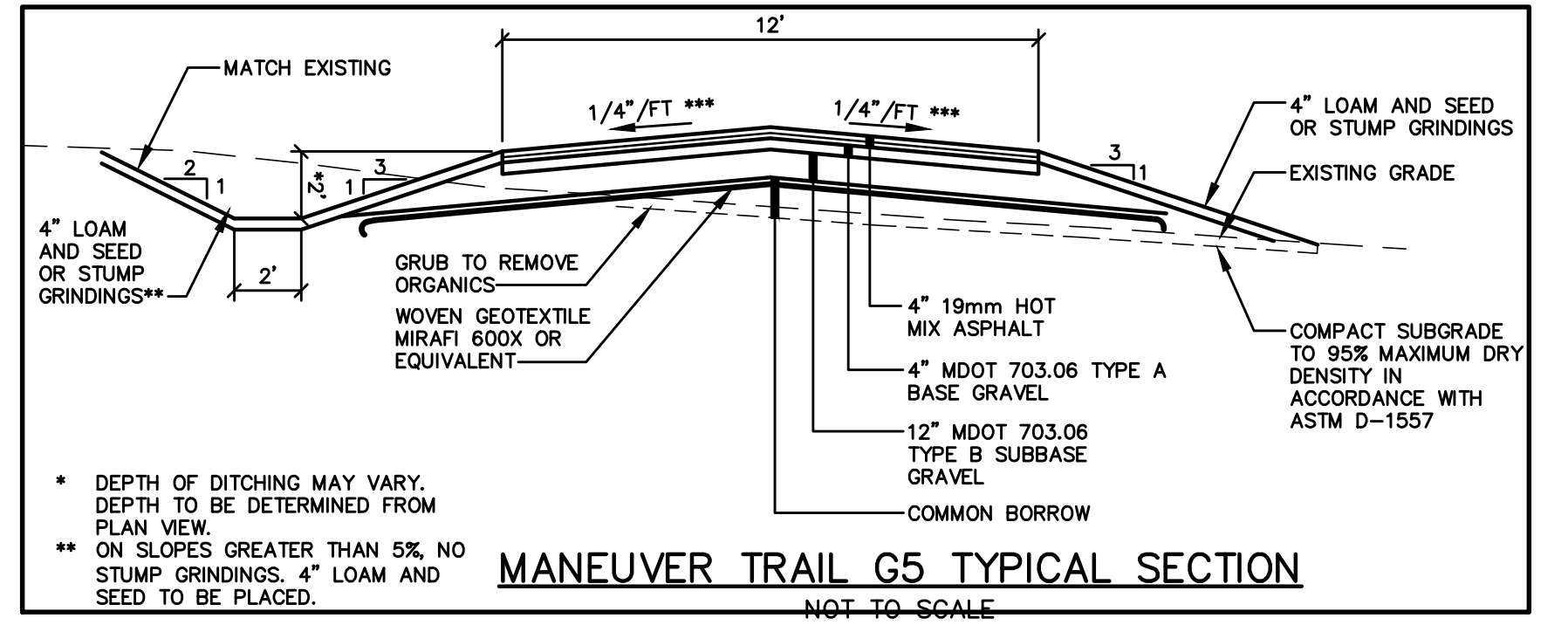
**BASELINE CURVE TABLE**

CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	START STATION	END STATION
C-32	56.72	80.00	29.61	40°37'30"	S75°52'21"E	150+51.70	151+08.42
C-33	76.61	80.00	41.53	54°52'06"	S82°59'39"E	151+08.42	151+85.03
C-34	47.98	200.00	24.10	13°44'40"	N62°41'58"E	152+41.35	152+89.33
C-35	80.21	200.00	40.65	22°58'46"	N67°19'01"E	152+96.93	153+77.14
C-36	46.12	200.00	23.16	13°12'41"	N72°12'03"E	154+04.51	154+50.63

**LEGEND**

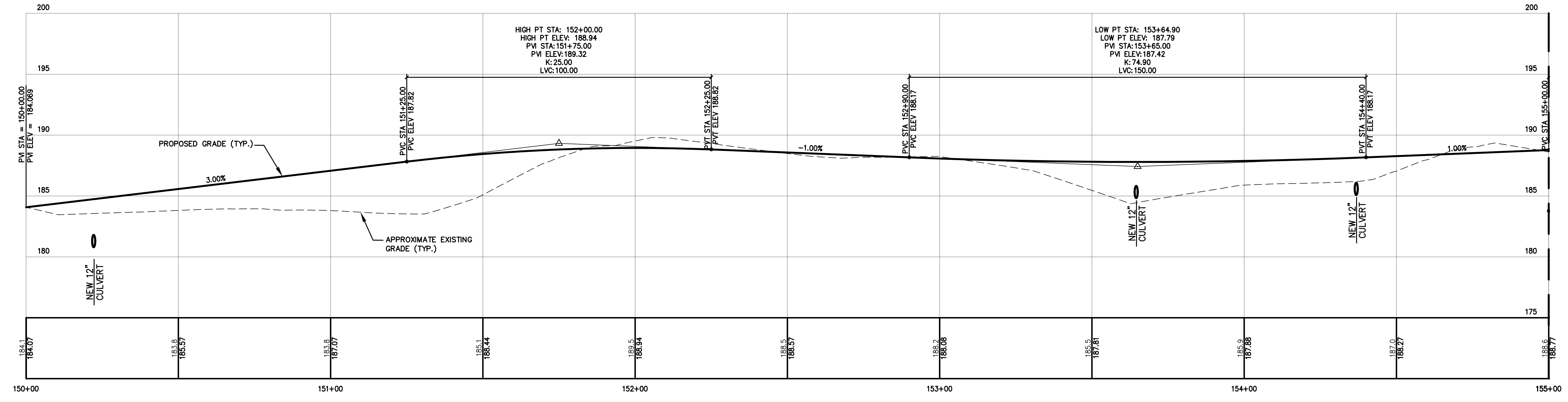
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---	PROPERTY LINE	---
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---	EDGE OF GRAVEL MANEUVER TRAIL	---
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---	TREES & HEDGES	---
---	CULVERT	18" CULVERT
---	RIPRAP	---
---	SILT FENCE - PERIMETER	---
---	CENTER LINE	---
---	SIGN	---
SIGN 1	DO NOT DISTURB STORMWATER BUFFER BETWEEN SIGNS FOR 35' FROM EDGE OF TRAIL. NO MOWING OR DIGGING WITHOUT AUTHORIZATION FROM FACILITIES. CALL FACILITIES AT (207) 430-6350	
SIGN 2	DO NOT DISTURB STORMWATER BUFFER BETWEEN SIGNS FOR 35' FROM EDGE OF TRAIL. NO MOWING OR DIGGING WITHOUT AUTHORIZATION FROM FACILITIES. CALL FACILITIES AT (207) 430-6350	
SIGN 3	19' WIDE x 150' LONG STORMWATER BUFFER. NO MOWING OR DIGGING WITHOUT AUTHORIZATION FROM FACILITIES. DO NOT DISTURB CALL FACILITIES AT (207) 430-6350	

**MANEUVER TRAIL G5 PLAN**  
1"=20' HORIZ.



\* DEPTH OF DITCHING MAY VARY. DEPTH TO BE DETERMINED FROM PLAN VIEW.  
\*\* ON SLOPES GREATER THAN 5%, NO STUMP GRINDINGS. 4" LOAM AND SEED TO BE PLACED.

**MANEUVER TRAIL G5 TYPICAL SECTION**  
NOT TO SCALE



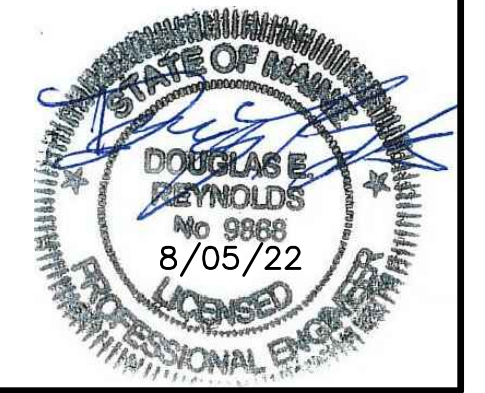
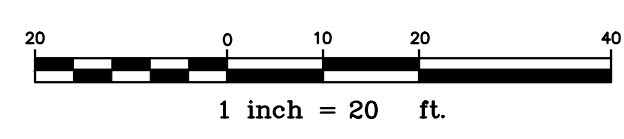
**MANEUVER TRAIL G5 PROFILE**  
1"=20' HORIZ.  
1"=5' VERT.

**MANEUVER TRAIL GRAVEL GRADATION TESTING:**  
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**NOTE: ANY TRAIL CENTERLINE VERTICAL CURVES ABOVE 3% FINAL GRADE WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.**

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Rev.	Date	Revision

ADDENDUM 1	Date	By
BIDDING	8/05/22	DER
Issued For	7/29/22	DER

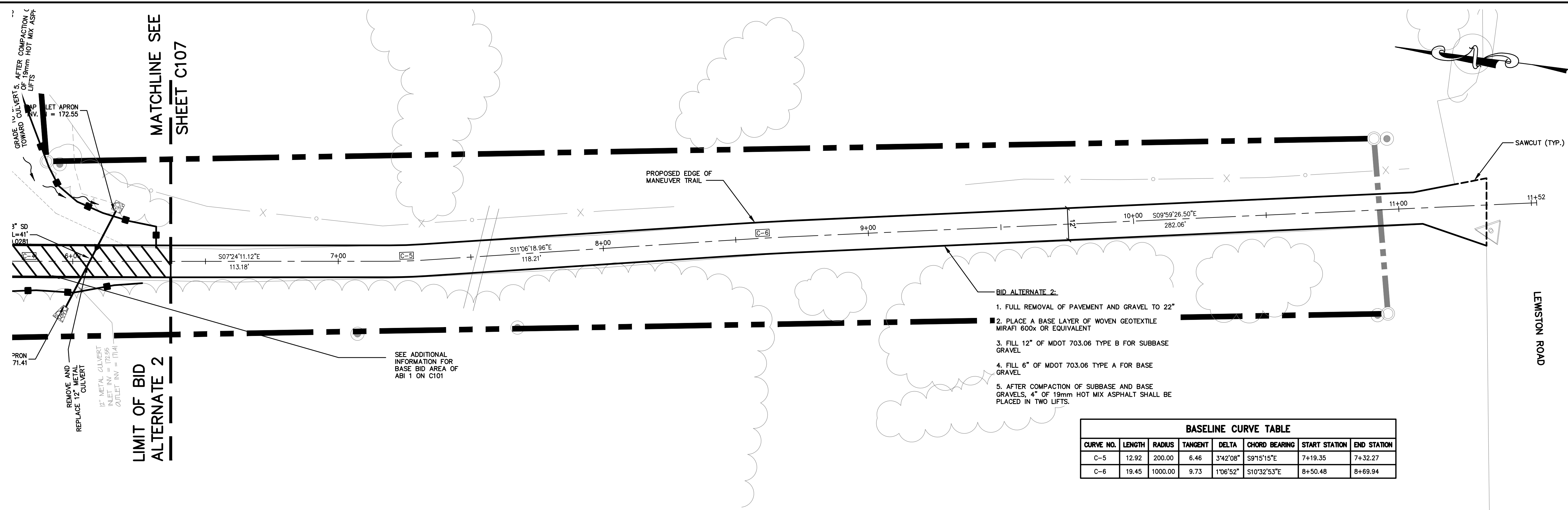
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File Name: 2881-01-PP.dwg  
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Drawing Name: **Maneuver Trail G5 - Plan & Profile**  
Project: **Gardiner Training Area - Maneuver Trail Improvements**  
West Gardiner, Maine  
Client: **Maine Army National Guard**  
State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

Drawing No.  
**C104**



- BID ALTERNATE 2:**
1. FULL REMOVAL OF PAVEMENT AND GRAVEL TO 22"
  2. PLACE A BASE LAYER OF WOVEN GEOTEXTILE MIRAFI 600x OR EQUIVALENT
  3. FILL 12" OF MDOT 703.06 TYPE B FOR SUBBASE GRAVEL
  4. FILL 6" OF MDOT 703.06 TYPE A FOR BASE GRAVEL
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BASELINE CURVE TABLE							
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	START STATION	END STATION
C-5	12.92	200.00	6.46	3'42'08"	S9'15'15"E	7+19.35	7+32.27
C-6	19.45	1000.00	9.73	1'06'52"	S10'32'53"E	8+50.48	8+69.94

**BID ALTERNATE 2 PLAN**  
1"=20' HORIZ.

**MANEUVER TRAIL GRAVEL GRADATION TESTING:**

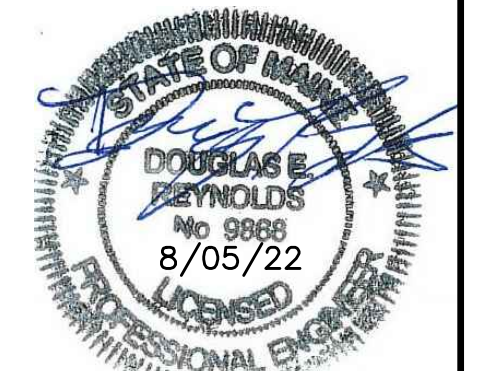
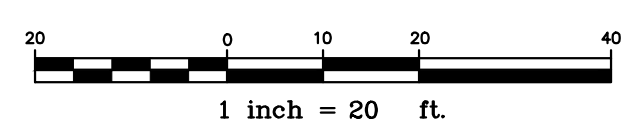
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EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY LINE	---
.....	WETLAND BOUNDARY	.....
---	EDGE OF GRAVEL MANEUVER TRAIL	---
---	EDGE OF PAVED MANEUVER TRAIL	---
---	GRADING CONTOUR LINE	100
---	SPOT ELEVATION	+100.31
---	TREELINE	---
---	TREES & HEDGES	---
---	CULVERT	18" CULVERT
---	RIPRAP	---
---	SILT FENCE - PERIMETER	---
---	CENTER LINE	---

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Rev.	Date	Revision

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BIDDING	7/29/22	DER
Issued For	Date	By

Design: DJG    Draft: LAN    Date: MAR 2022  
 Checked: DER    Scale: 1"=20'    Job No.: 2881.01  
 File Name: 2881-01-PP.dwg

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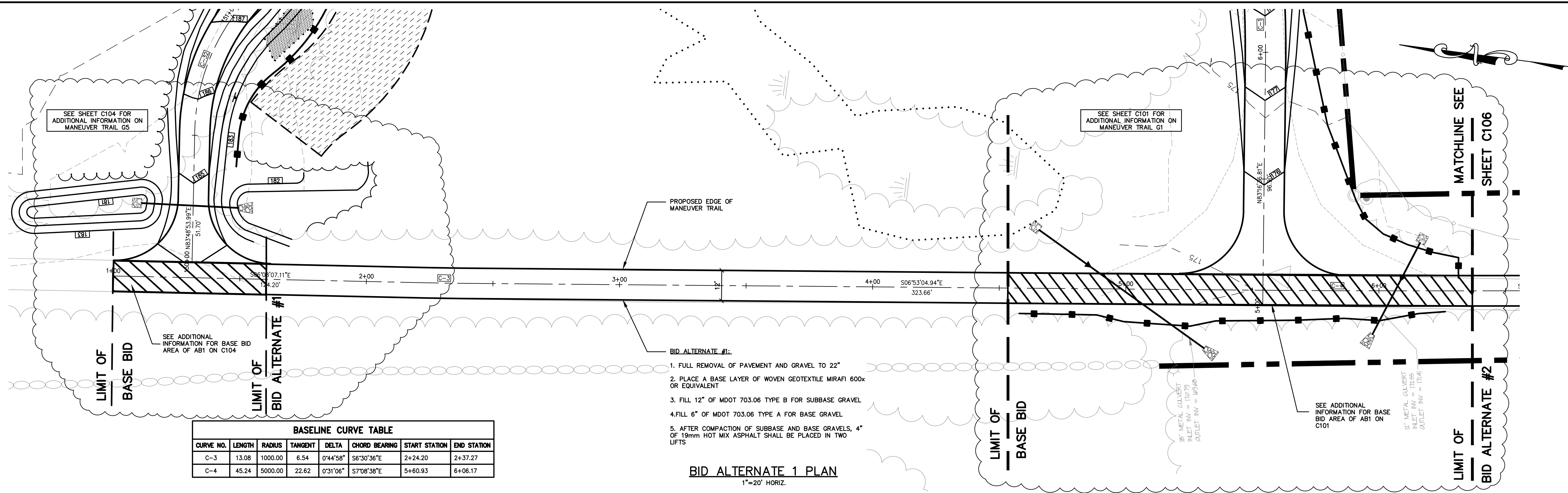
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Drawing Name:	<b>Maneuver Trail ABI #2 Plan</b>
Project:	<b>Gardiner Training Area - Maneuver Trail Improvements</b> West Gardiner, Maine
Client:	<b>Maine Army National Guard</b> State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

Drawing No.  
**C106**

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BASELINE CURVE TABLE							
CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	START STATION	END STATION
C-3	13.08	1000.00	6.54	0°44'58"	S6°30'36"E	2+24.20	2+37.27
C-4	45.24	5000.00	22.62	0°31'06"	S7°08'38"E	5+60.93	6+06.17

- BID ALTERNATE #1:**
1. FULL REMOVAL OF PAVEMENT AND GRAVEL TO 22"
  2. PLACE A BASE LAYER OF WOVEN GEOTEXTILE MIRAFI 600x OR EQUIVALENT
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  5. AFTER COMPACTION OF SUBBASE AND BASE GRAVELS, 4" OF 19mm HOT MIX ASPHALT SHALL BE PLACED IN TWO LIFTS

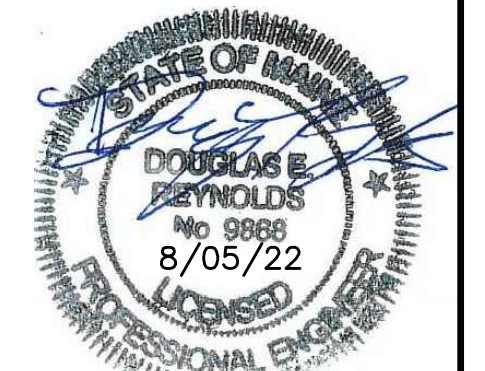
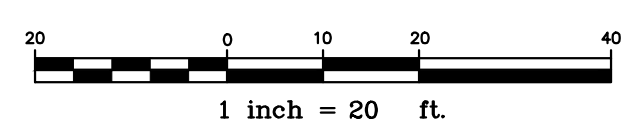
**BID ALTERNATE 1 PLAN**  
1"=20' HORIZ.

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY LINE	---
.....	WETLAND BOUNDARY	.....
---	EDGE OF GRAVEL MANEUVER TRAIL	---
---	EDGE OF PAVED MANEUVER TRAIL	---
---	GRADING CONTOUR LINE	[100]
+	SPOT ELEVATION	+100.31
---	TREELINE	---
---	TREES & HEDGES	---
---	CULVERT	18" CULVERT
---	RIPRAP	---
---	SILT FENCE - PERIMETER	---
---	CENTER LINE	---

**MANEUVER TRAIL GRAVEL GRADATION TESTING:**  
THE CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING AGENCY TO TEST GRAVEL SUPPLIED BY THE CONTRACTOR. THE GRAVEL SUPPLIED BY THE CONTRACTOR SHALL MEET THE M.D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES LATEST EDITION, SECTION 703.06, AGGREGATE FOR BASE AND SUBBASE, FOR 6" MINUS TYPE "B" GRAVEL FOR BASE MATERIAL AND FOR 2" MINUS TYPE "A" GRAVEL FOR SURFACE MATERIAL. THE CONTRACTOR SHALL NOT BE AWARDED THE CONTRACT UNTIL THEY HAVE PASSED ALL MATERIAL TESTING REQUIRED BY THE INDEPENDENT TESTING AGENCY. THE CONTRACTOR SHALL BE ALLOWED TO SUBMIT SAMPLES TWICE TO THE INDEPENDENT TESTING AGENCY. IF THE CONTRACTOR'S MATERIAL SUPPLIED DOES NOT PASS THE SECOND TESTING PROCEDURES, THE OWNER RESERVES THE RIGHT TO REJECT THE CONTRACTOR'S BID PROPOSAL AND SHALL PROCEED TO THE NEXT CONTRACTOR'S LOWEST BID PROPOSAL.

**MANEUVER TRAIL GRAVEL MATERIAL AND COMPACTION TESTING:**  
THE CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING AGENCY TO TEST THE GRAVEL PLACED BY THE CONTRACTOR. THE INDEPENDENT TESTING AGENCY SHALL TEST FOR 95% COMPACTION AND TEST GRADATION FOR TYPE OF GRAVEL. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-COMPACT ANY MATERIAL THAT DOES NOT PASS A COMPACTION TEST OF 95% AT THE CONTRACTOR'S OWN EXPENSE. ANY GRAVEL PLACED BY THE CONTRACTOR THAT DOES NOT MEET THE REQUIRED M.D.O.T. GRADATION TESTING SHALL BE REMOVED BY THE CONTRACTOR AND REPLACED AT THE CONTRACTOR'S OWN EXPENSE.

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Rev.	Date	Revision

ADDENDUM 1	Date	By
BIDDING	8/05/22	DER
Issued For	7/29/22	DER

Design: DJG Draft: LAN Date: MAR 2022  
Checked: DER Scale: 1"=20' Job No.: 2881.01  
File Name: 2881-01-PP.dwg  
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Drawing Name: **Maneuver Trail ABI #1 Plan**  
Project: **Gardiner Training Area - Maneuver Trail Improvements**  
West Gardiner, Maine  
Client: **Maine Army National Guard**  
State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

Drawing No.  
**C107**