

Addendum #2

Directorate of Facilities Engineering

10 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.

Clarification Items:

1. None.

Specification Items:

1. Replace Section 00 11 13 Notice to Contractors, page 1 of 2 with enclosed revised Section 00 11 13 Notice to Contractors, page 1 of 2. The Owner has changed the Bid Opening Date to **15 August 2022 at 2:00 p.m.**

Drawing Items:

1. Remove Drawings Sheet C101 and replace with Revised Drawing Sheet C101. Revised note, Maneuver Trail Gravel Gradation Testing.
2. Remove Drawings Sheet C102 and replace with Revised Drawing Sheet C102. Revised note, Maneuver Trail Gravel Gradation Testing.
3. Remove Drawings Sheet C103 and replace with Revised Drawing Sheet C103. Revised note, Maneuver Trail Gravel Gradation Testing.
4. Remove Drawings Sheet C104 and replace with Revised Drawing Sheet C104. Revised note, Maneuver Trail Gravel Gradation Testing.
5. Remove Drawings Sheet C105 and replace with Revised Drawing Sheet C105. Revised note, Maneuver Trail Gravel Gradation Testing.
6. Remove Drawings Sheet C106 and replace with Revised Drawing Sheet C106. Revised note, Maneuver Trail Gravel Gradation Testing.

00 11 13
Notice to Contractors

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

This project shall consist of repairing certain sections of the training site maneuver trail system and site drainage systems. The repairs shall consist of placement of GEO fabric, culverts, new gravel base, new gravel surface and pavement.

The cost of the work is approximately \$ 600,000. The work to be performed under this contract shall be completed on or before the Final Completion date of *30 December 2022*.

1. Bids shall be submitted in sealed envelopes plainly marked "**Bid for Maneuver Trail Improvements, Gardiner Training Site, Gardiner, Maine, DFE Project Number 23TR22-602-D, BGS Project Number 3447, Bid Number 23-009**" and addressed to the Bid Administrator:

*Directorate of Facilities Engineering
194 Winthrop Street, Building #7, Camp Keyes
Augusta, Maine 04333-0033
Attn: Mrs. Sherrill Hallett
Email: sherrill.l.hallett@maine.gov*

The envelope shall contain a completed Contractor Bid Form, plus bid security when required, to be received no later than **2:00 p.m.** on **15 August 2022**. Bid submissions will be opened and read aloud at *194 Winthrop Street, Building #7, Camp Keyes, Augusta, Maine 04333-0033* at the time and date noted above.

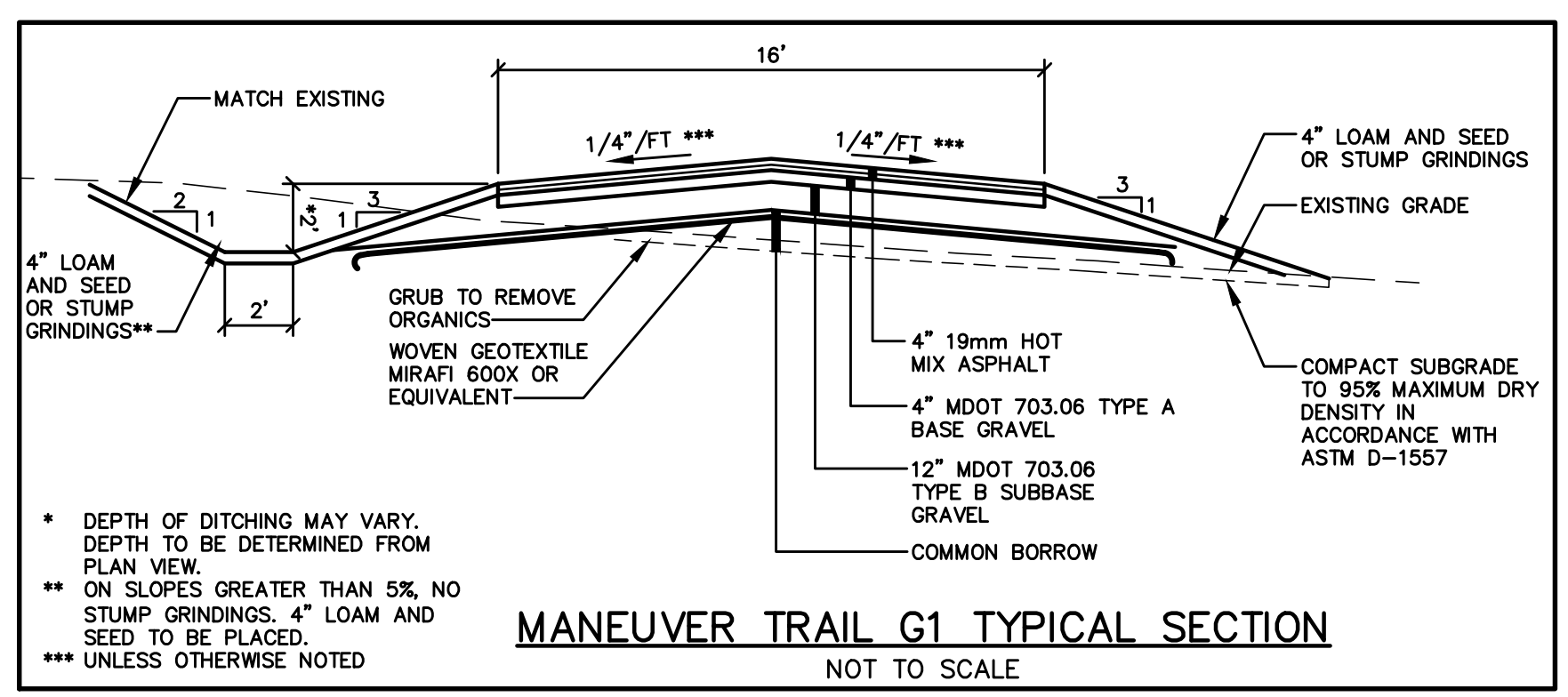
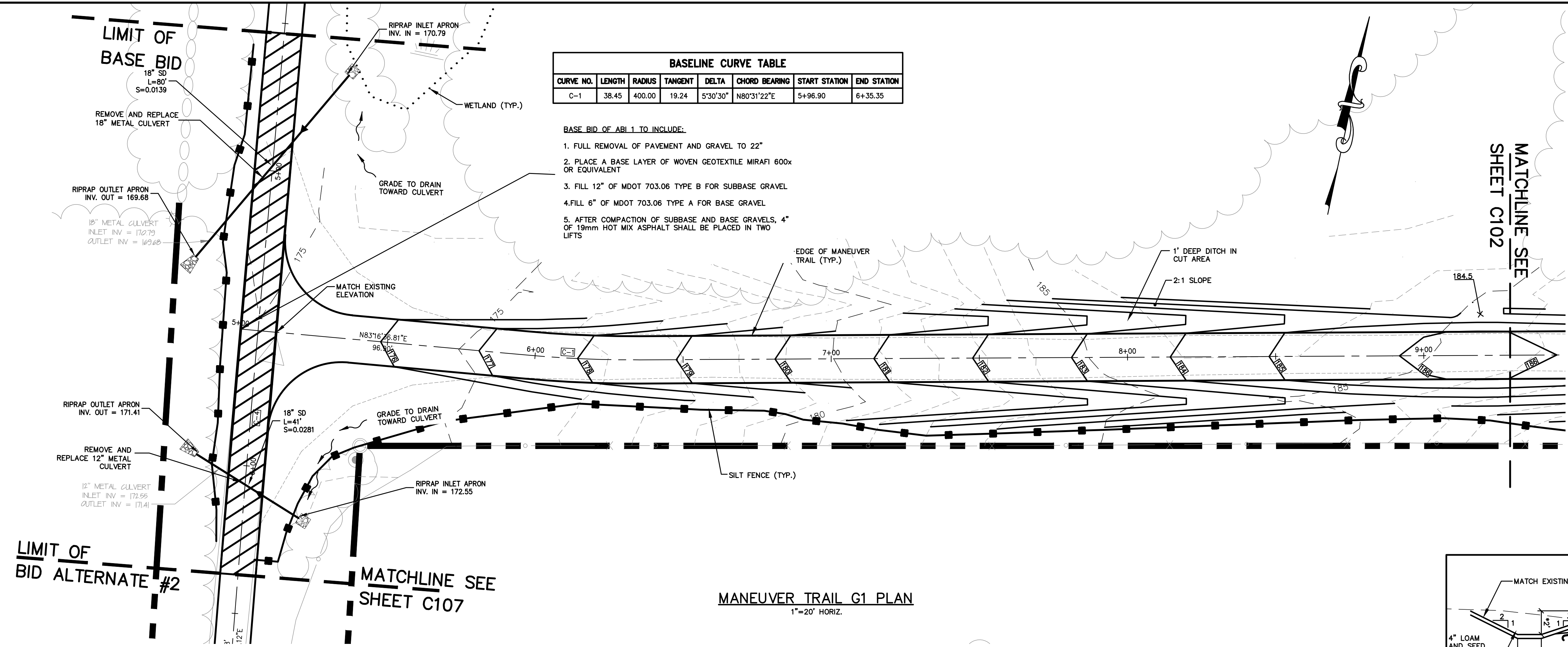
Any bid submitted after the noted time will not be considered a valid bid and will remain unopened. Any bid submitted by any other means will not be considered a valid bid.

2. The bid shall be submitted on the Contractor Bid Form (section 00 41 13) provided in the Bid Documents. The Owner reserves the right to accept or reject any or all bids as may best serve the interest of the Owner.
3. Bid security *is required* on this project.
If noted above as required, the Bidder shall include a satisfactory Bid Bond (section 00 43 13) or a certified or cashier's check for 5% of the bid amount with the completed bid form submitted to the Owner. The Bid Bond form is available on the BGS website.
4. Performance and Payment Bonds *are required* on this project.
If noted above as required, or if any combination of Base Bid and Alternate Bids amounts selected in the award of the contract exceeds \$125,000.00, the selected Contractor shall furnish a 100% contract Performance Bond (section 00 61 13.13) and a 100% contract Payment Bond (section 00 61 13.16) in the contract amount to cover the execution of the Work. Bond forms are available on the BGS website.
5. Filed Sub-bids *are not required* on this project.
6. There *are no* Pre-qualified General Contractors on this project.
If Pre-qualified General Contractors are identified for this project, the name of each company, with their city and state, are listed below.

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

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	---



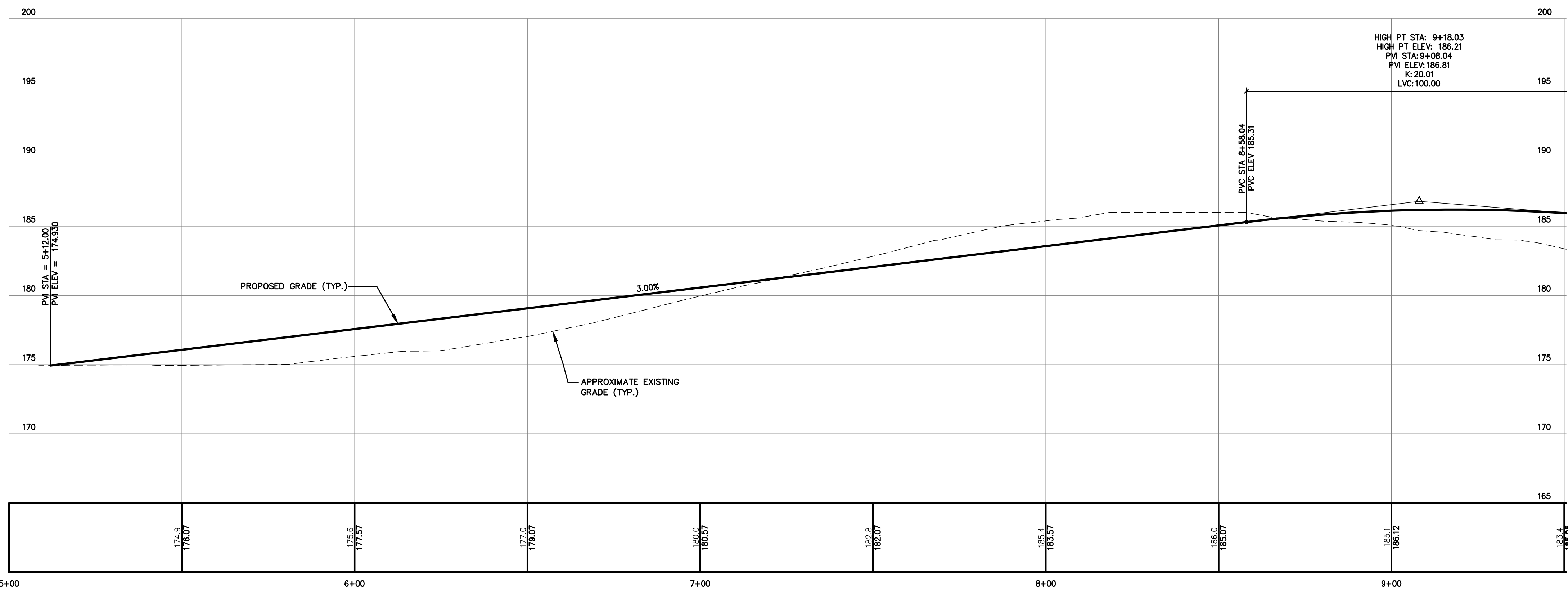
MANEUVER TRAIL GRAVEL GRADATION TESTING:

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\"/>

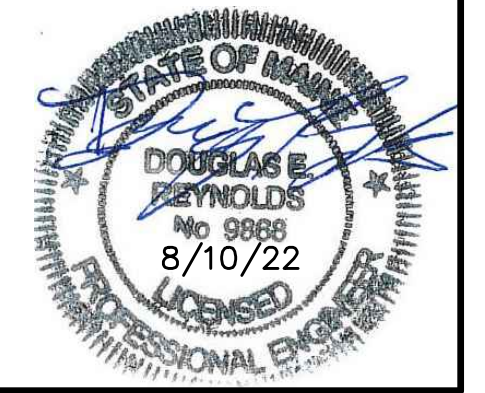
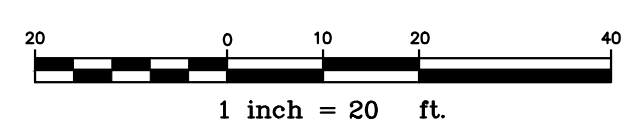
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NOTE: ANY TRAIL CENTERLINE VERTICAL CURVES ABOVE 3% FINAL GRADE WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.



CALL BEFORE YOU DIG
1-888-344-7233



U:\2881.01_Gardiner Training Area - Trail Restoration_MEANING - CAD\DWG\2881-01-PP.dwg - 8/10/2022 9:36 AM

Rev.	Date	Revision

ADDENDUM 2	Date	By
BIDDING	8/10/22	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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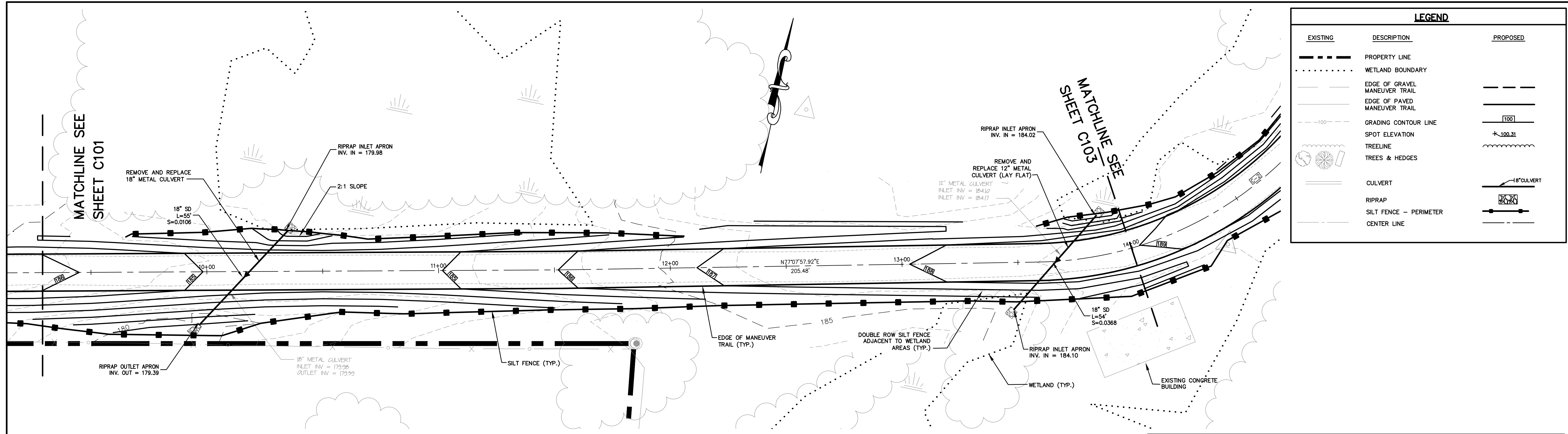


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Drawing Name:	Maneuver Trail G1 - Plan & Profile
Project:	Gardiner Training Area - Maneuver Trail Improvements West Gardiner, Maine
Client:	Maine Army National Guard State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

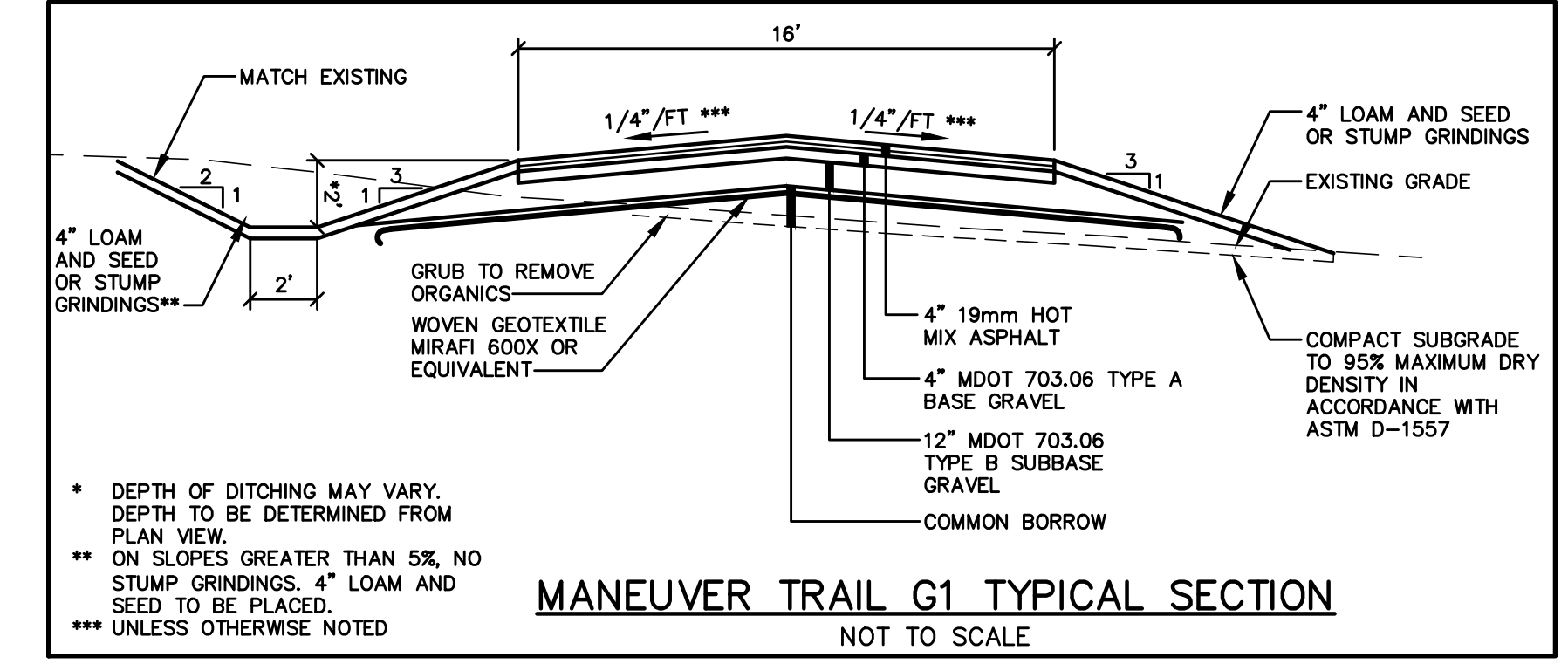
Drawing No.
C101

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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	---

MANEUVER TRAIL G1 PLAN
1"=20' HORIZ.



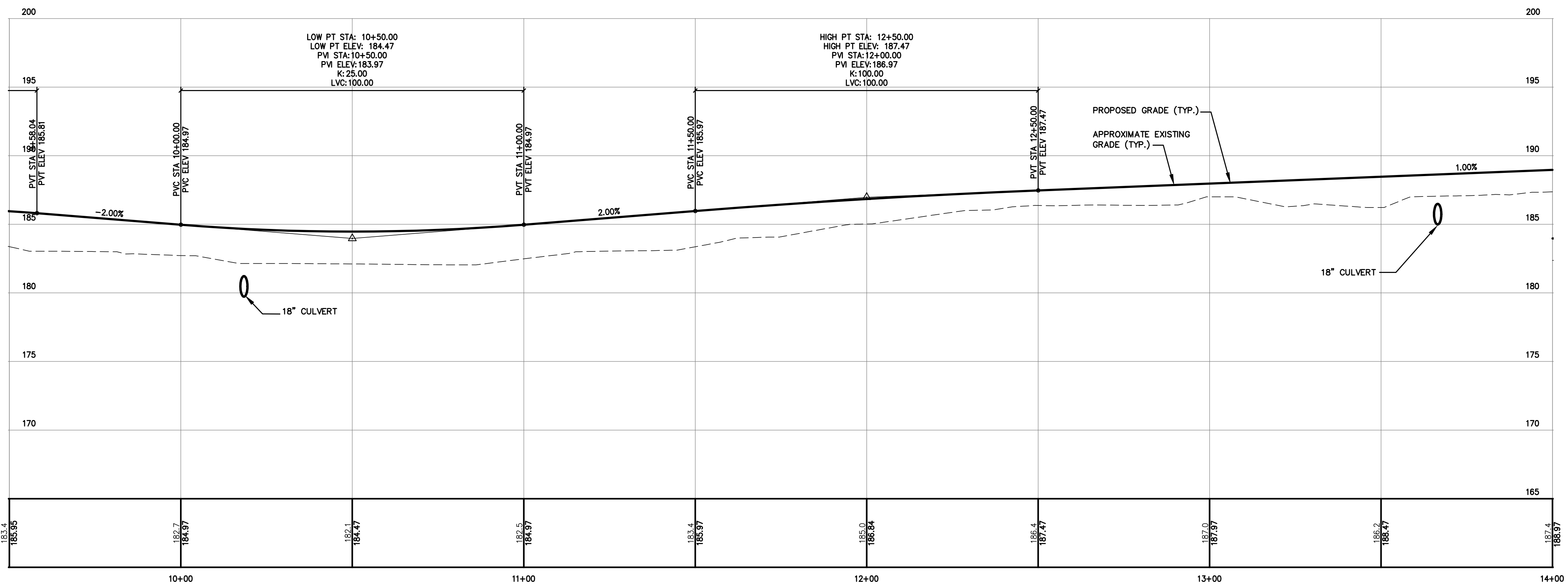
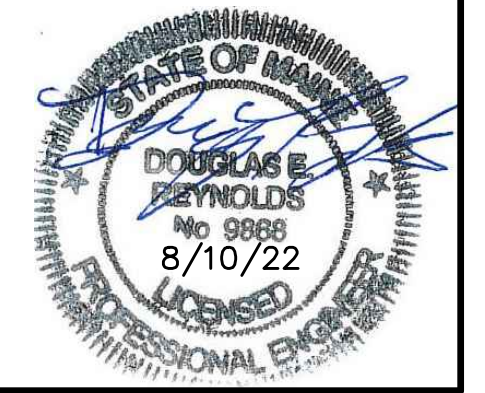
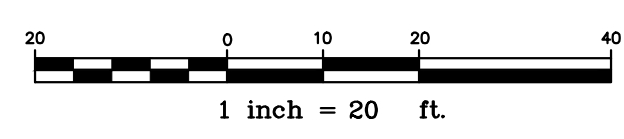
MANEUVER TRAIL G1 TYPICAL SECTION
NOT TO SCALE

MANEUVER TRAIL GRAVEL GRADATION TESTING:
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MANEUVER TRAIL GRAVEL MATERIAL AND COMPACTION TESTING:
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MANEUVER TRAIL G1 PROFILE
1"=20' HORIZ.
1"=5' VERT.

Rev.	Date	Revision

ADDENDUM 2	Date	By
BIDDING	8/10/22	DER
Issued For	7/29/22	DER

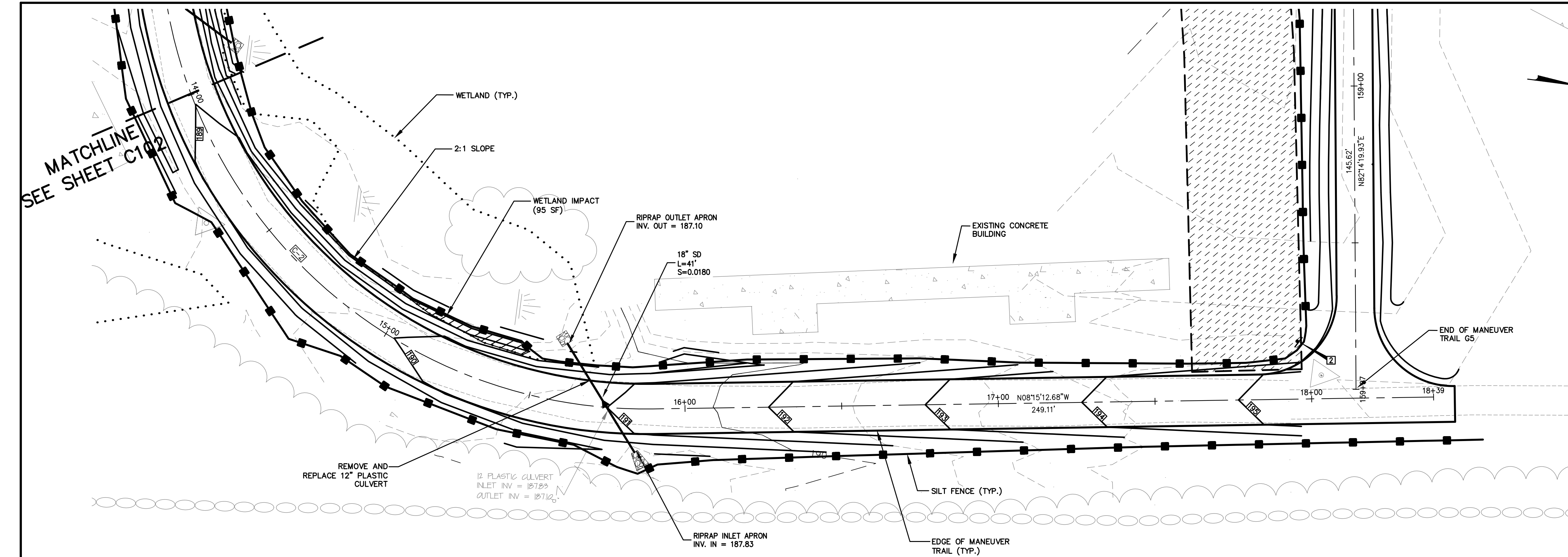
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File Name: 2881-01-PP.dwg
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Drawing Name:	Maneuver Trail G1 - Plan & Profile
Project:	Gardiner Training Area - Maneuver Trail Improvements West Gardiner, Maine
Client:	Maine Army National Guard State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

Drawing No.
C102

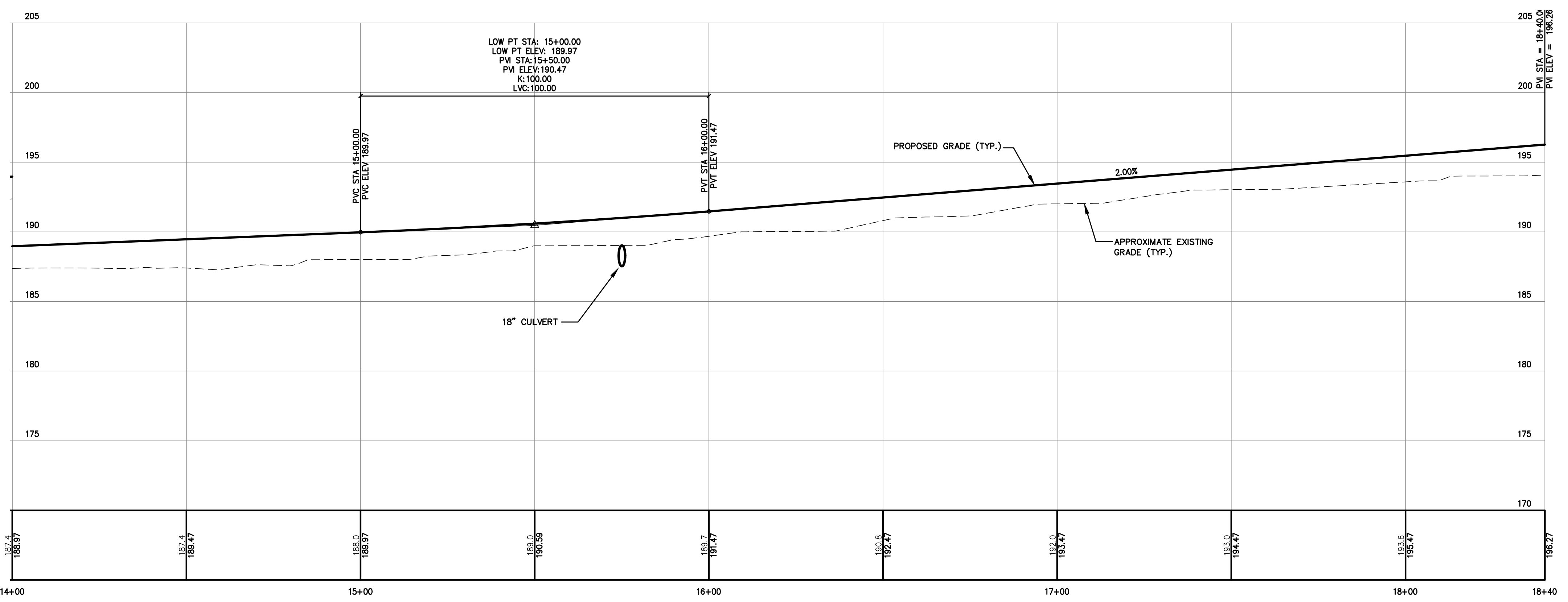


EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY LINE	---
---	WETLAND BOUNDARY	---
---	EDGE OF GRAVEL MANEUVER TRAIL	---
---	EDGE OF PAVED MANEUVER TRAIL	---
---	GRADING CONTOUR LINE	100
---	SPOT ELEVATION	+100.31
---	TREELINE	---
---	TREES & HEDGES	---
---	CULVERT	18" CULVERT
---	RIPRAP	---
---	SILT FENCE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

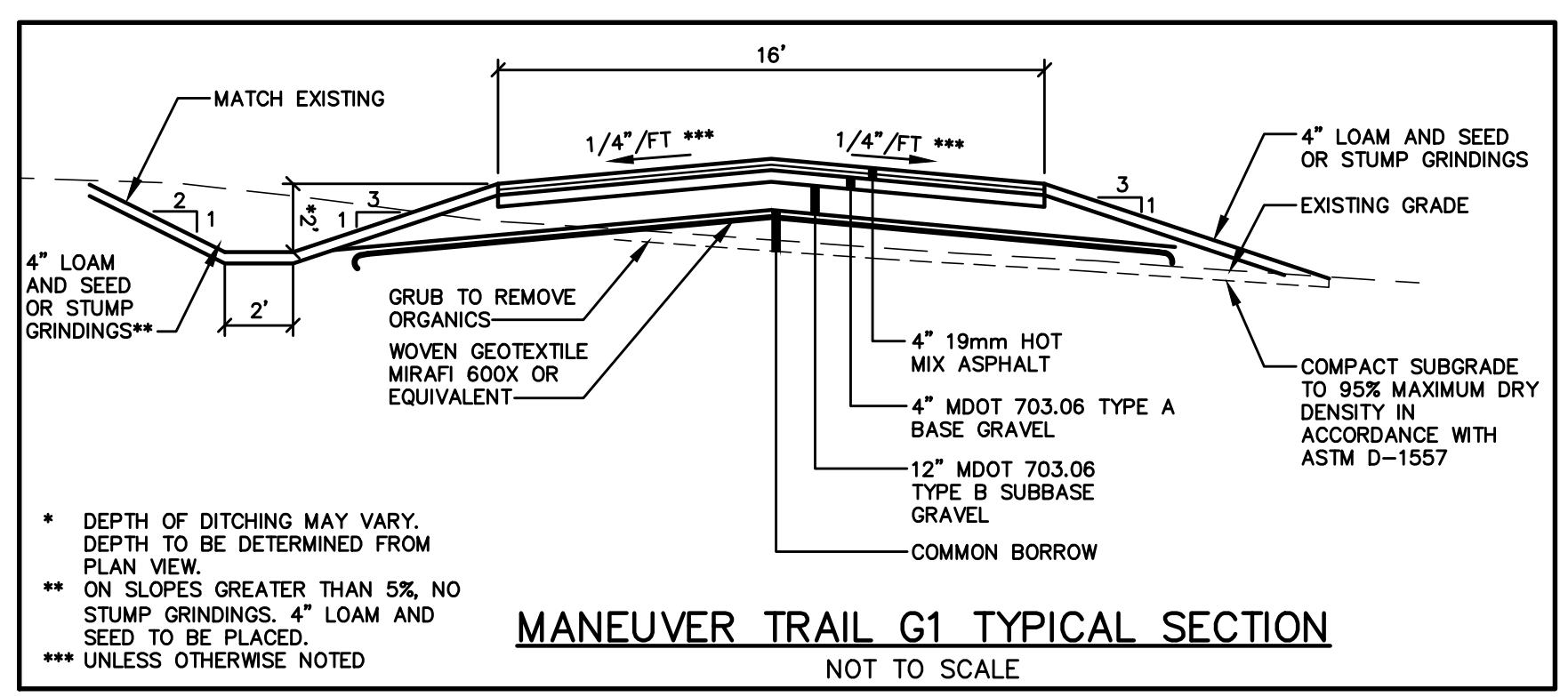
DO NOT DISTURB STORMWATER BUFFER BETWEEN SIGNS FOR 35' FROM EDGE OF TRAIL. NO MOWING OR DIGGING WITHOUT AUTHORIZATION FROM FACILITIES. CALL FACILITIES AT (207) 430-6350

CURVE NO.	LENGTH	RADIUS	TANGENT	DELTA	CHORD BEARING	START STATION	END STATION
C-2	230.99	155.00	143.00	85°23'11"	N34°26'23"E	13+58.79	15+89.79

MANEUVER TRAIL G1 PLAN
1"=20' HORIZ.



MANEUVER TRAIL G1 PROFILE
1"=20' HORIZ.
1"=5' VERT.



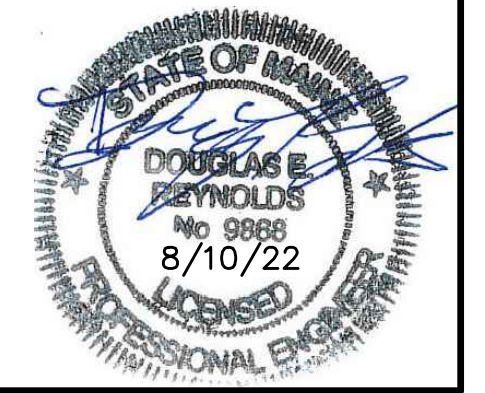
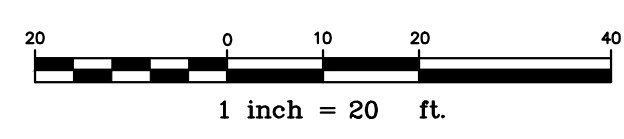
MANEUVER TRAIL G1 TYPICAL SECTION
NOT TO SCALE

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ADDENDUM 2	8/10/22	DER
BIDDING	7/29/22	DER
Issued For		

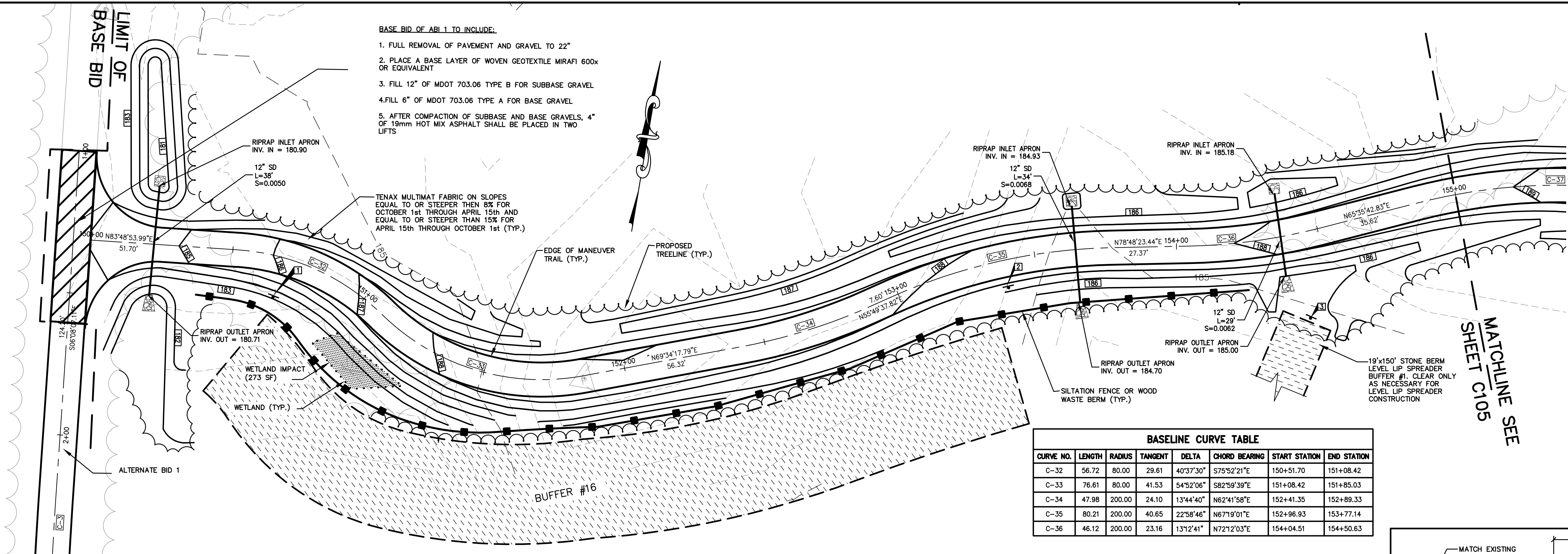
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Drawing Name: **Maneuver Trail G1 - Plan & Profile**
Project: **Gardiner Training Area - Maneuver Trail Improvements**
West Gardiner, Maine
Client: **Maine Army National Guard**
State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

Drawing No.
C103

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- BASE BID OF ABI 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

TENAX MULTIMAT FABRIC ON SLOPES EQUAL TO OR STEEPER THAN 8% FOR OCTOBER 1st THROUGH APRIL 15th AND EQUAL TO OR STEEPER THAN 15% FOR APRIL 15th THROUGH OCTOBER 1st (TYP.)

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	---
---	SIGN	---

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

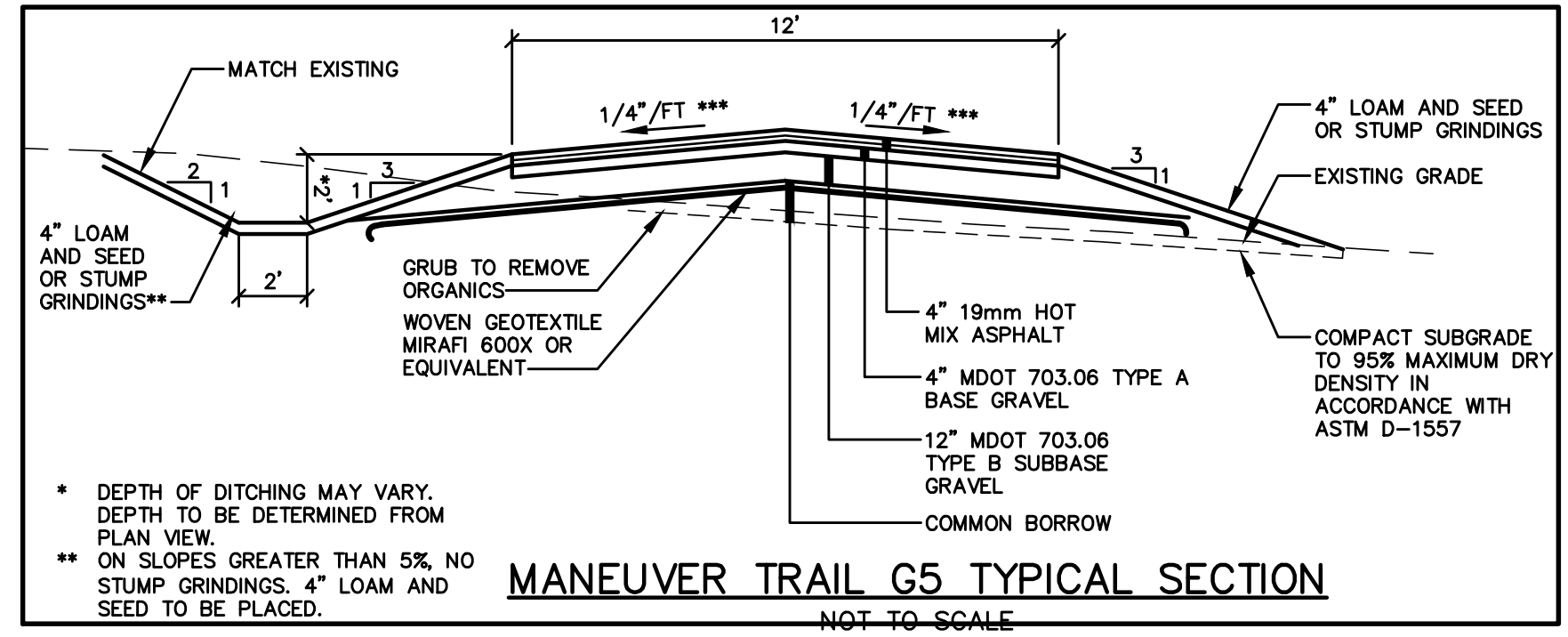
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19' WIDE x 150' LONG STORMWATER BUFFER. NO MOWING OR DIGGING WITHOUT AUTHORIZATION FROM FACILITIES. DO NOT DISTURB CALL FACILITIES AT (207) 430-6350

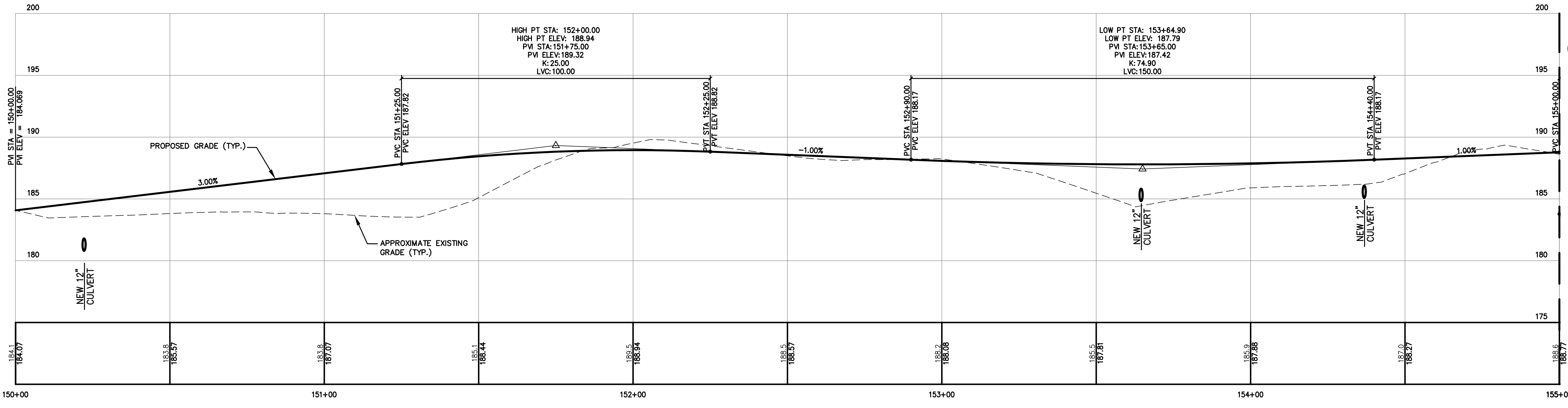
BASELINE CURVE TABLE

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

MANEUVER TRAIL G5 PLAN
1"=20' HORIZ.



MANEUVER TRAIL G5 TYPICAL SECTION
NOT TO SCALE



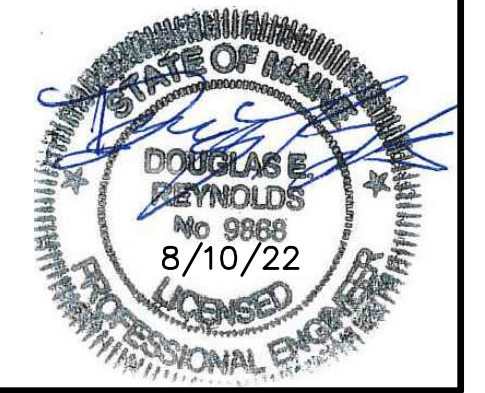
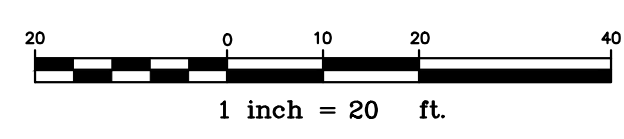
MANEUVER TRAIL G5 PROFILE
1"=20' HORIZ.
1"=5' VERT.

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BIDDING	7/29/22	DER
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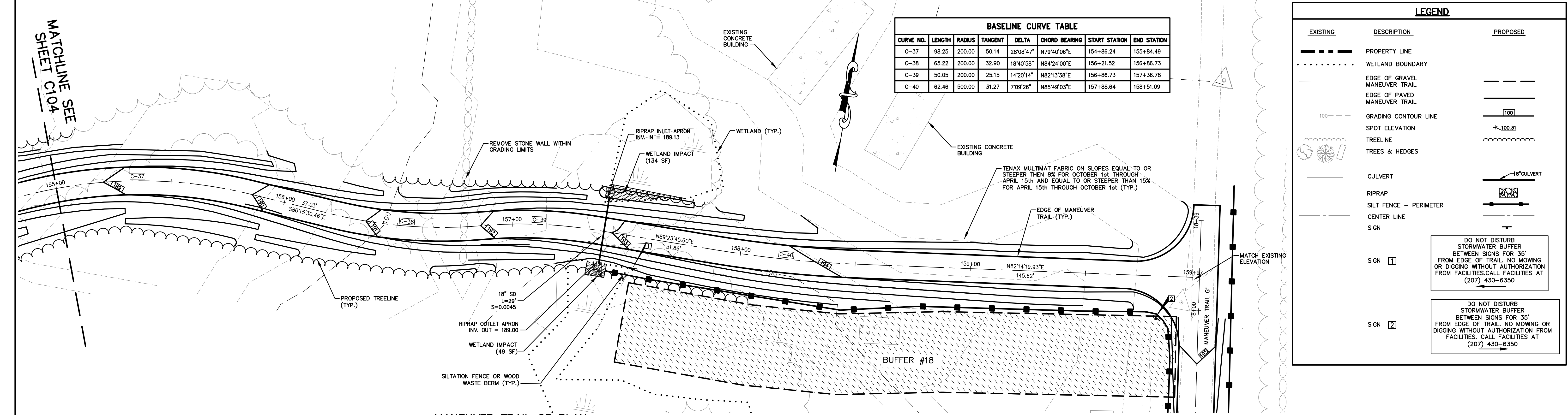
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Checked: DER Scale: 1"=100' Job No.: 2881.01
File Name: 2881-01-PP.dwg
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Drawing Name: **Maneuver Trail G5 - Plan & Profile**
Project: **Gardiner Training Area - Maneuver Trail Improvements**
West Gardiner, Maine
Client: **Maine Army National Guard**
State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

Drawing No. **C104**



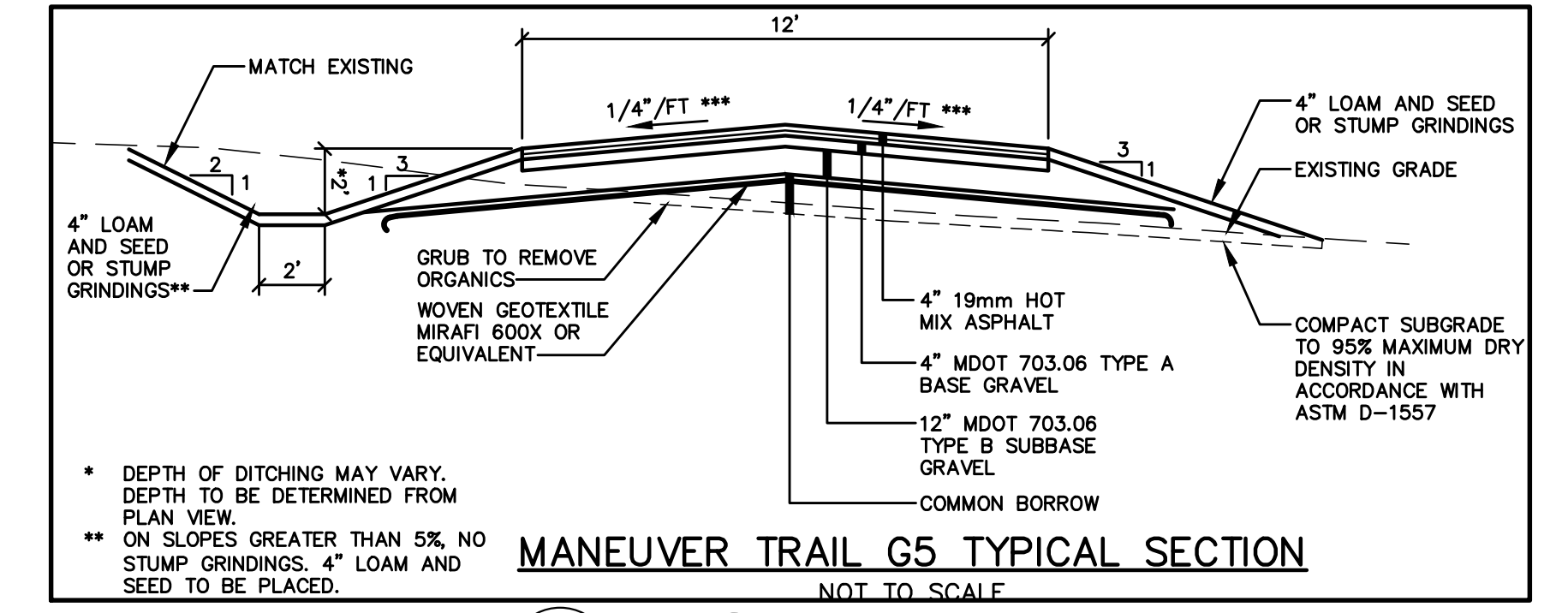
LEGEND

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.....	WETLAND BOUNDARY
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---	EDGE OF PAVED MANEUVER TRAIL	---
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---	CENTER LINE	---
---	SIGN	---

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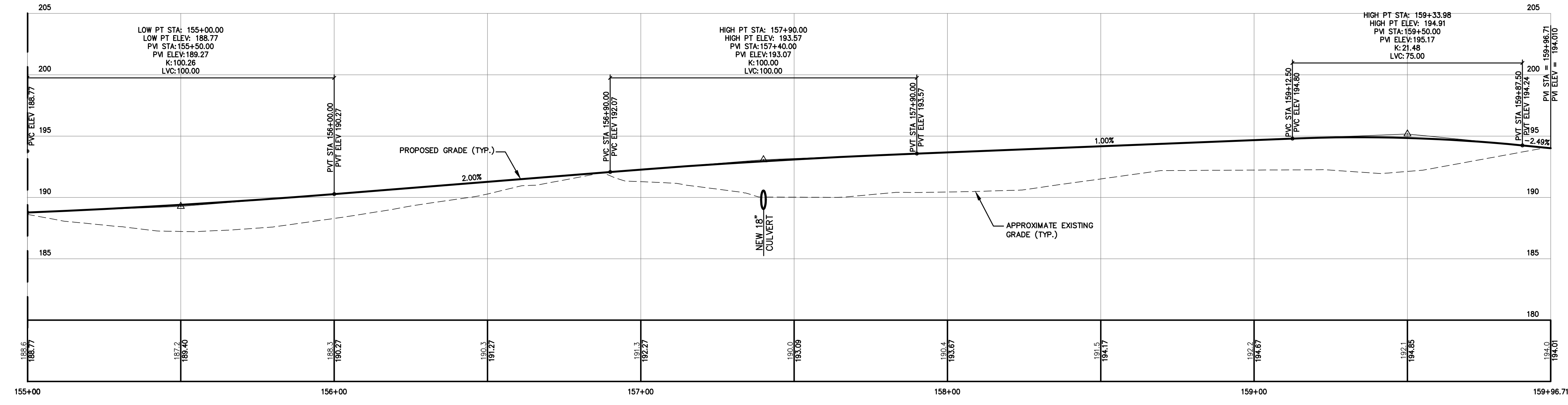
MANEUVER TRAIL G5 PLAN
1"=20' HORIZ.



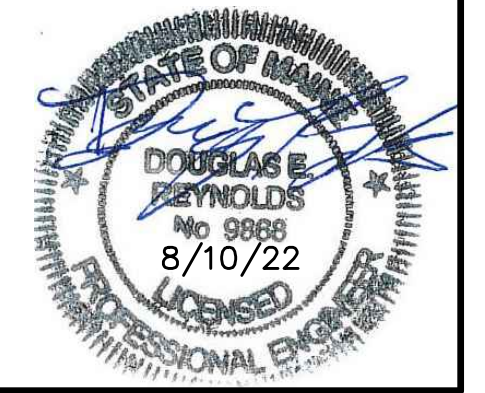
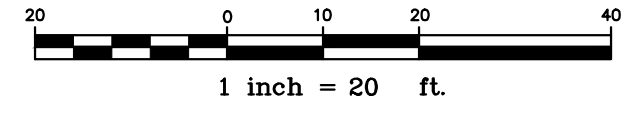
MANEUVER TRAIL GRAVEL GRADATION TESTING:
THE CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING AGENCY TO TEST GRAVEL SUPPLIED BY THE CONTRACTOR. THE GRAVEL SUPPLIED BY THE CONTRACTOR SHALL MEET THE M.D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES LATEST EDITION, SECTION 703.06, AGGREGATE FOR BASE AND SUBBASE, FOR 6" MINUS TYPE "B" GRAVEL FOR BASE MATERIAL AND FOR 2" MINUS TYPE "A" GRAVEL FOR SURFACE MATERIAL.

MANEUVER TRAIL GRAVEL MATERIAL AND COMPACTION 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
1	11-17-16	INCREASED WETLAND CULVERTS TO 18"

ADDENDUM	Date	By
2	8/10/22	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

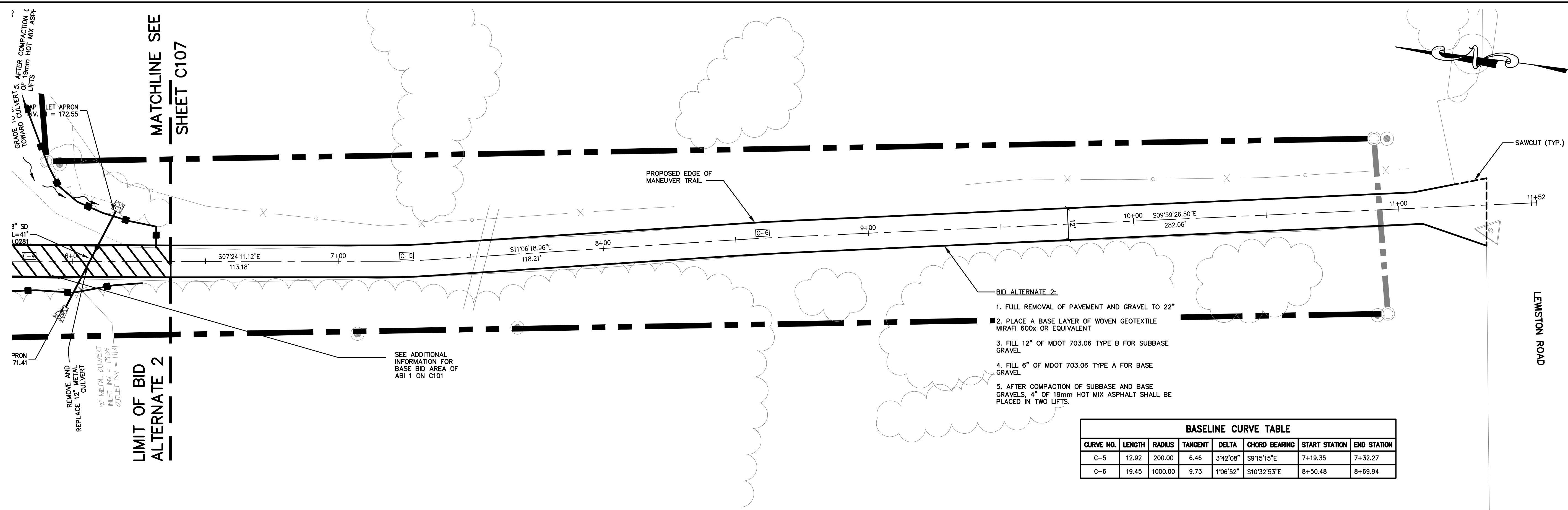
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Drawing Name:	Maneuver Trail G5 - Plan & Profile
Project:	Gardiner Training Area - Maneuver Trail Improvements West Gardiner, Maine
Client:	Maine Army National Guard State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

Drawing No.
C105



- 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
 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-5	12.92	200.00	6.46	3'42'08"	S91°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

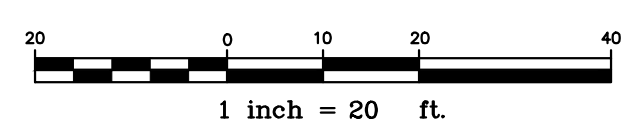
BID ALTERNATE 2 PLAN
1"=20' HORIZ.

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

ADDENDUM 2	Date	By
BIDDING	8/10/22	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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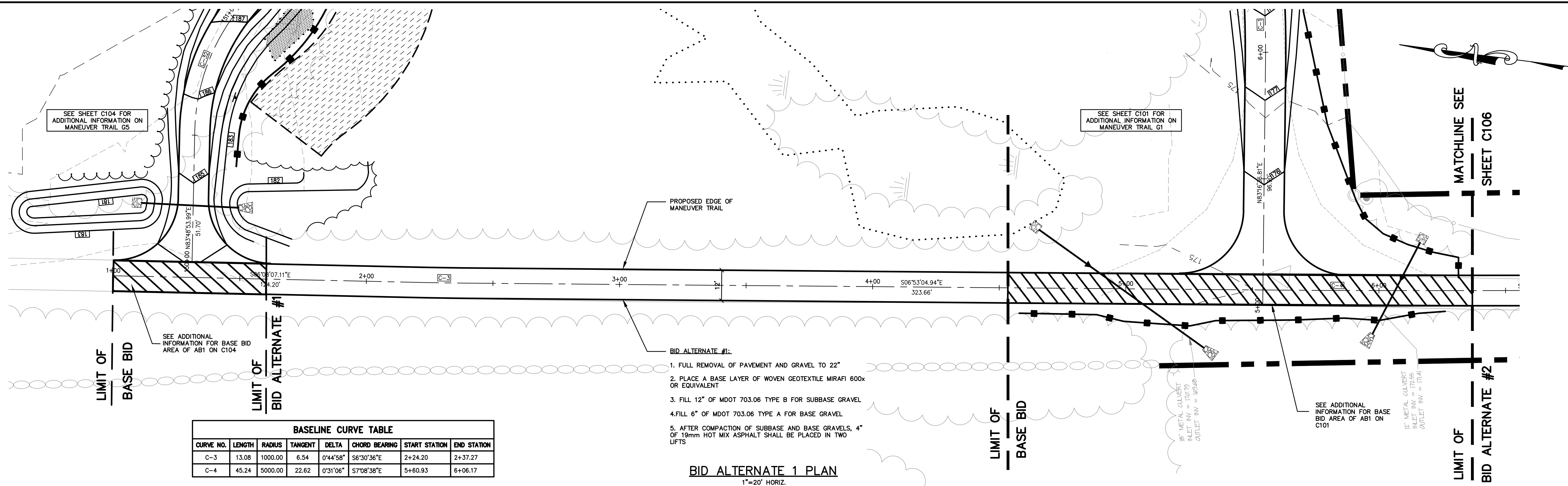
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Drawing Name:	<b>Maneuver Trail ABI #2 Plan</b>
Project:	<b>Gardiner Training Area - Maneuver Trail Improvements</b> West Gardiner, Maine
Client:	<b>Maine Army National Guard</b> State House Station #33, Building 8, Camp Keyes, Augusta, Maine 04333

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
  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

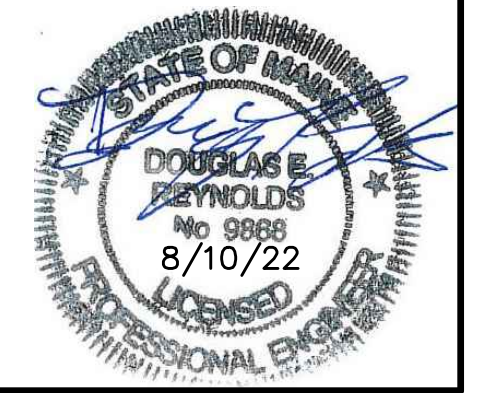
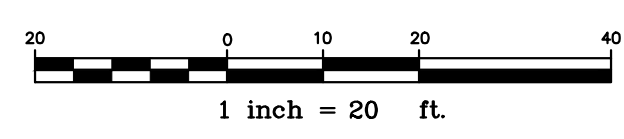
**BID ALTERNATE 1 PLAN**  
1"=20' HORIZ.

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	---

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Rev.	Date	Revision

ADDENDUM 2	8/10/22	DER
BIDDING	7/29/22	DER
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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**