LEGEND

PROPOSED FIBER ROLLS
HIGH VISIBILITY SAFETY FENCE

NOTES

1. ALL WORK WITHIN THE THIN LAYER DEPOSITION (TLD) AREA IS RESTRICTED TO THE PERIOD OF DECEMBER 1 THROUGH FEBRUARY 15, INCLUSIVE.

2. THE CONTRACTOR SHALL COORDINATE AND COMPLETE ALL CONSTRUCTION ACTIVITIES AS OUTLINED BELOW DURING LOW TIDE.

3. PRIOR TO COMMENCEMENT OF ANY WORK ASSOCIATED WITH THE TLD AREA, THE CONTRACTOR SHALL SUBMIT TO THE OFFICE OF ENVIRONMENTAL PLANNING (OEP) FOR REVIEW AND ACCEPTANCE, A TIDAL MITIGATION PLAN THAT INCLUDES A CONSTRUCTION SCHEDULE AND OUTLINE OF CONSTRUCTION METHODOLOGIES FOR PERFORMING THE REQUIRED WORK, IN ACCORDANCE WITH ITEM NO. 0948015A TIDAL WETLAND CREATION (THIN LAYER DEPOSITION), AND IN ACCORDANCE WITH OTHER ITEMS LISTED BELOW.

4. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL STAKE ALL TIDAL ELEVATIONS AND THE CONSTRUCTION LIMITS, INCLUDING THE PROTECTIVE MATTING SYSTEM ACCESS ROAD.

5. TREE REMOVAL REQUIRED FOR THE TEMPORARY CONSTRUCTION ACCESS ROAD BETWEEN THE STAGING AREA AND TLD AREA SHALL BE DONE BY FLUSH CUTTING TO GROUND SURFACE. NO GRUBBING IS PERMITTED.

6. NO GROUND DISTURBANCE OR GRUBBING IS PERMITTED WITHIN THE TLD AREA IDENTIFIED FOR INVASIVE SPECIES REMOVAL AS SHOWN ON THE CONTRACT PLANS AND ENVIRONMENTAL PERMIT PLANS.

7. THE TLD WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, THE INSTALLATION OF FIBER ROLLS OR ANY OTHER APPROVED MEANS FOR THE PROTECTION OF THE OUTER PERIMETER OF THE TLD AREA, THE CONSTRUCTION AND REMOVAL OF PROTECTIVE MATTING SYSTEM ACCESS ROAD, TREATMENT OF INVASIVE SPECIES, PREPARING APPROPRIATE SITE GRADES, PLACING APPROVED TLD MATERIAL, INSTALLATION OF PLANTINGS, AND WETLAND CREATION SIGNS.

8. THE TLD AREA SHALL BE CONSTRUCTED FROM NORTH TO SOUTH.

9. THE CONTRACTOR SHALL USE CONVENTIONAL CONSTRUCTION EQUIPMENT EQUIPPED WITH EITHER LOW GROUND PRESSURE TREADS OR TIRES TO PLACE TLD MATERIALS. THE MAXIMUM LIVE LOAD SHALL BE 5 PSI. SEE DETAILS, SHEET MIT-06.

10. THE FORMATION OF FINAL GRADE AND SUBSTRATE TO BE COMPLETED IN ACCORDANCE WITH ITEM NO. 0948015A TIDAL WETLAND CREATION (THIN LAYER DEPOSITION).

11. THE CONTRACTOR SHALL PLACE FIBER ROLLS AT THE LOCATIONS IDENTIFIED ON THE CONTRACT PLANS AND ENVIRONMENTAL PERMIT PLANS PRIOR TO AND IN CONJUNCTION WITH PLACEMENT OF THE TLD MATERIALS.

12. THE CONTRACTOR SHALL INSTALL STACKED FIBER ROLLS ON SUBSTRATE IN AREAS WITH WATER DEPTHS GREATER THAN 24" TO RETAIN DEPOSITION MATERIAL IN MITIGATION AREAS. SEE MIT-07 FOR DETAIL.

13. 14 DAYS IN ADVANCE OF THE INSTALLATION OF PROPOSED MITIGATION PLANTINGS, THE AREAS IDENTIFIED IN THE CONTRACT PLANS AND ENVIRONMENTAL PERMIT PLANS SHALL BE TREATED FOR INVASIVE SPECIES UNDER ITEM NO. 0952051A CONTROL AND REMOVAL OF INVASIVE VEGETATION. AFTER THE 14 DAYS, THE CONTRACTOR SHALL FLUSH CUT AND DISPOSE OF ALL INVASIVE SPECIES IN ACCORDANCE WITH THE SPECIFICATION. NO GROUND DISTURBANCE OR GRUBBING IS ALLOWED WITHIN THE INVASIVE SPECIES CONTROL AREA, WITH THE EXCEPTION OF INSTALLATION OF PROPOSED PLANTINGS.

14. SEE DRAWING NO. MIT-04 FOR PROPOSED PLANTINGS AND ADDITIONAL NOTES.

15. A WETLAND SCIENTIST FROM OEP WILL BE ON-SITE TO MONITOR AND DIRECT CONSTRUCTION OF THE TLD AREA, AT LEAST 10 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE FOR A MEETING WITH OEP WETLAND SCIENTIST, THROUGH THE ENGINEER, TO REVIEW THE PLANNED WORK ACTIVITIES.

16. TEMPORARY PROTECTION MATTING SYSTEM ACCESS ROADS WITHIN THE TLD AREA ARE CONCEPTUAL ONLY. PRIOR TO COMMENCING ANY WORK, THE CONTRACTOR SHALL SUBMIT AN ACCESS PLAN TO OEP FOR REVIEW AND ACCEPTANCE PER ITEM NO. 0948015A TIDAL WETLAND CREATION (THIN LAYER DEPOSITION).

17. TEMPORARY PROTECTIVE MATTING SYSTEM ACCESS ROAD FROM THE STAGING AREA TO THE TLD AREA WAS DESIGNED TO AVOID IMPACTS TO ARCHAEOLOGICAL RESOURCES LOCATED WITHIN THE PROJECT AREA. ANY PROPOSED CHANGE IN THE LOCATION OF THE TEMPORARY CONSTRUCTION ACCESS WILL NEED TO BE SUBMITTED TO OEP, THROUGH THE ENGINEER, FOR REVIEW AND ACCEPTANCE, PRIOR TO THE PLACEMENT OF THE PROTECTIVE MATTING SYSTEM ACCESS ROAD. THE CONTRACTOR SHALL LAYDOWN GEOTEXTILE (HIGH SURVIVABILITY) AND GRANULAR FILL. NO GRANULAR FILL IS TO BE PLACED BENEATH THE GEOTEXTILE. REFER TO MIT-06.

18. NO HEAVY EQUIPMENT OPERATION OR STORAGE OR STAGING SHALL OCCUR EXCEPT UPON THE ADJOINING PAVED/GRAVEL SURFACES OR THE PROTECTIVE MATTING SYSTEM ACCESS ROAD.

19. TEMPORARY PROTECTIVE HIGH-VISIBILITY SAFETY FENCE SHALL BE PLACED ALONG THE FULL-LENGTH MARGINS OF THE TERRESTRIAL MATTING SYSTEM ACCESS ROAD TO THE HIGH TIDE LIMIT.

20. THE TEMPORARY CONSTRUCTION ACCESS ROADS WITHIN THE TLD AREA SHALL BE LOCATED TO MINIMIZE IMPACTS TO EXISTING VEGETATION AND TO LIMIT COMPACTION OF EXISTING TIDAL WETLAND SUBSTRATE. THE TEMPORARY CONSTRUCTION ACCESS WITHIN THE TLD AREA SHALL BE REMOVED FROM NORTH TO SOUTH AS FINAL GRADE IS ESTABLISHED.

21. THE FINAL GRADE SHALL CONSIST OF TLD MATERIAL PER ITEM NO. 0948015A TIDAL WETLAND CREATION (THIN LAYER DEPOSITION) PLACED TO FINAL ELEVATION, AS IDENTIFIED ON THE CONTRACT PLANS AND ENVIRONMENTAL PERMIT PLANS.

22. CONTRACTOR SHALL TIE INTO EXISTING ADJACENT TIDAL WETLANDS AT A MAX SLOPE OF 3:1 WHEN PLACING THE TLD MATERIAL, AS SHOWN ON THE CONTRACT PLANS AND ENVIRONMENTAL PERMIT PLANS OR AS DIRECTED IN THE FIELD BY THE OEP WETLAND SCIENTIST.

23. AFTER FINAL GRADE IS ACHIEVED THROUGHOUT THE TLD AREA, A 14-DAY TIDAL FLUSH IS REQUIRED FOR THE OEP WETLAND SCIENTIST TO OBSERVE ANY SETTLING OF THE PLACED MATERIAL. IF DEEMED NECESSARY, THE CONTRACTOR SHALL PLACE ADDITIONAL TLD MATERIALS TO AN ELEVATION SATISFACTORY TO THE OEP WETLAND SCIENTIST.

24. EQUIPMENT SHALL NOT BE PERMITTED ON FINAL GRADE WITHIN THE TLD AREA, UNLESS ADDITIONAL TLD MATERIAL IS REQUIRED AFTER THE 14-DAY TIDAL FLUSH, OR AS DIRECTED BY THE OEP WETLAND SCIENTIST.

25. WETLAND MITIGATION SIGN NO. 31-5478 TO BE INSTALLED AT THE LOCATION AS DIRECTED BY THE OEP WETLAND SCIENTIST.

26. THE CONTRACTOR SHALL NOT, UNDER ANY CIRCUMSTANCES, DISCHARGE ANY SOIL, FILL OR DEBRIS INTO ANY PART OF THE ADJACENT WETLANDS OR WATERCOURSE THAT ARE NOT BEING DISTURBED BY CONSTRUCTION.

27. ALL DISTURBED AREAS OUTSIDE OF THE TLD AREA SHALL BE FULLY RESTORED TO THE ORIGINAL PRE-CONSTRUCTION CONDITIONS (PAID FOR UNDER ITEM #0948015A).

TIME-OF-YEAR BMP NOTE

ALL GRADING WORK BELOW THE HIGH TIDE LINE (ELEVATION 2.8') WITHIN THE THIN LAYER DEPOSITION AREA SHALL BE CONDUCTED BETWEEN DECEMBER 1 AND FEBRURARY 15, INCLUSIVE.

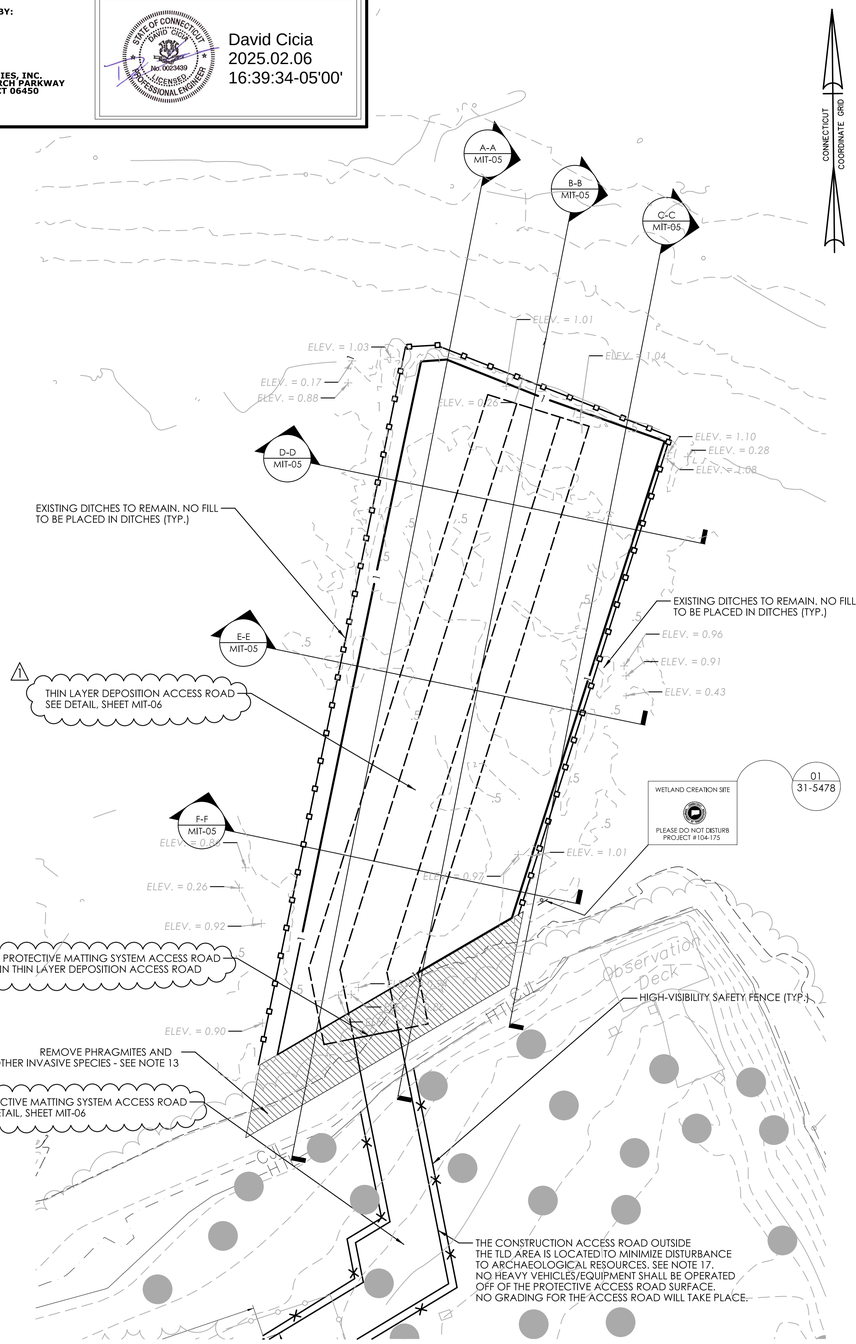
TIDAL ELEVATION TABLE

TIDAL TYPE	ELEVATION (FT)
HIGH TIDE LINE	2.8
COASTAL JURISDICTION LINE	2.3
MEAN HIGH WATER	1.0
MEAN LOW WATER	-2.1
MEAN LOW LOW WATER	-2.3

ADDENDUM NO. 2

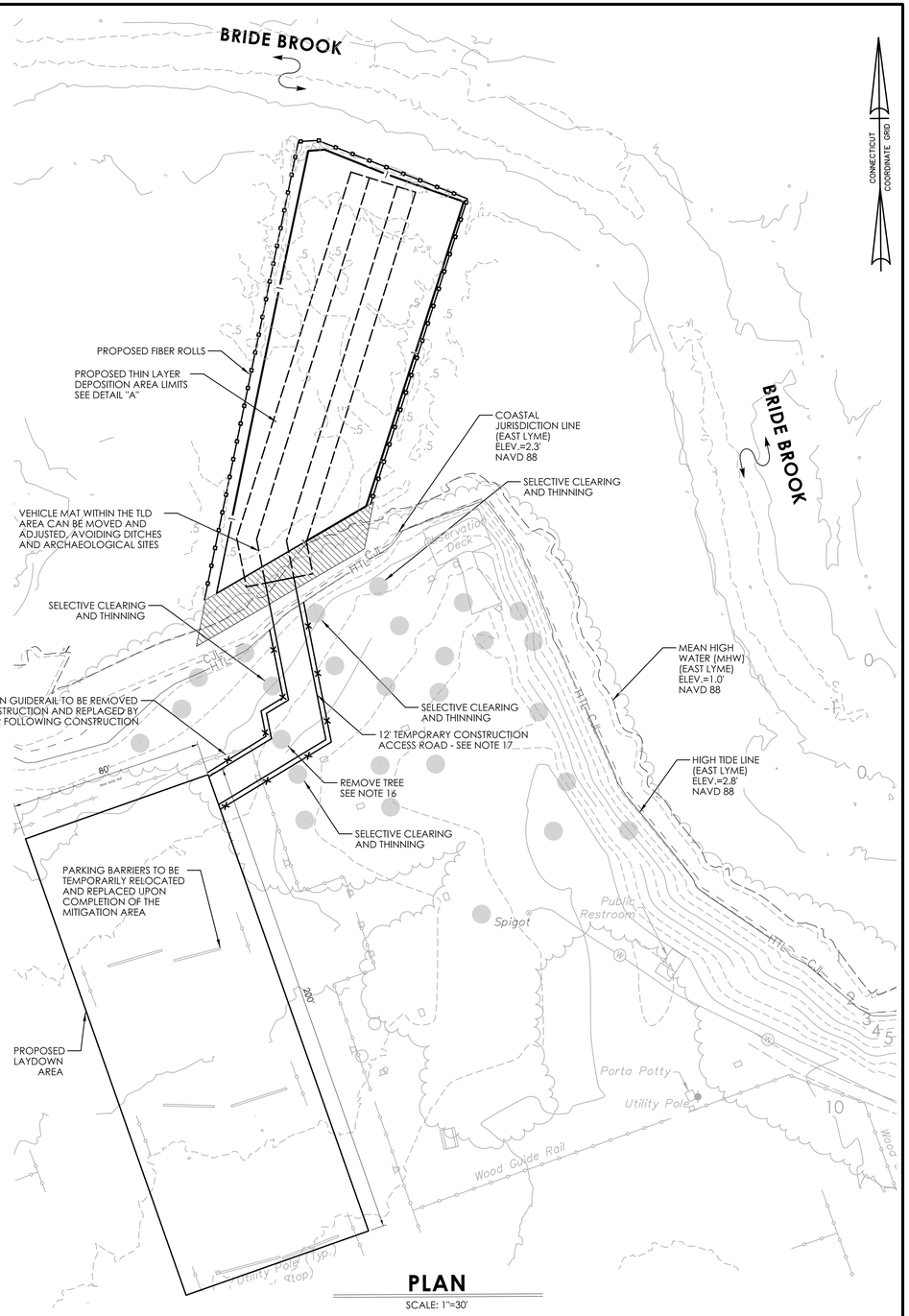
DESIGNED BY:
BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

STATE OF CONNECTICUT · DAVID CICIA · No. 0023439 · LICENSED PROFESSIONAL ENGINEER
David Cicia
2025.02.06
16:39:34-05'00'



DETAIL "A"

SCALE: 1"=20'



PLAN

SCALE: 1"=30'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	1/15/25	REVISED TLD ACCESS	MIT-03

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 2/6/2025

DESIGNER/DRAFTER: S.PELLEGRINI
CHECKED BY: W. WOLF
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\ENVE_0104-0175_TLD_GradingPlan.dgn

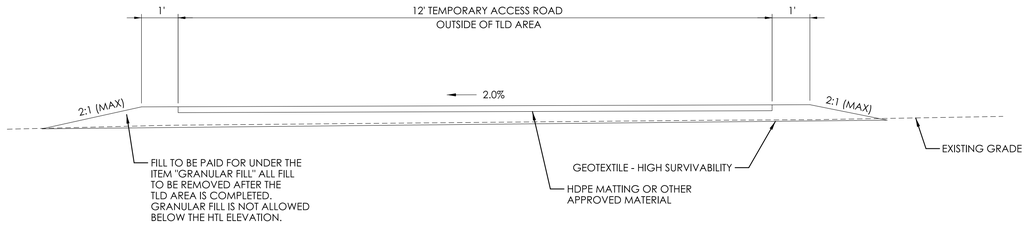
SIGNATURE/BLOCK:
STATE OF CONNECTICUT · DAVID CICIA · No. 0023439 · LICENSED PROFESSIONAL ENGINEER
DESIGNED BY: BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02713, ROUTE 156 OVER FOUR MILE RIVER

TOWN: **OLD LYME EAST LYME**

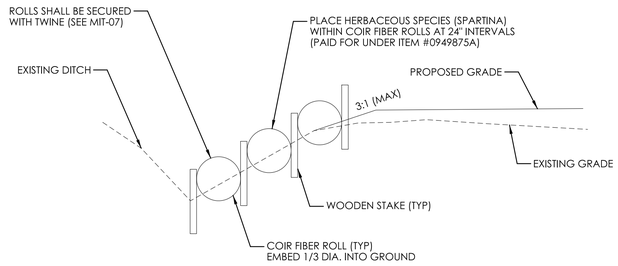
DRAWING TITLE: **THIN LAYER DEPOSITION GRADING PLAN**

PROJECT NO. 0104-0175
DRAWING NO. MIT-03
SHEET NO. 09.03.A2



PROTECTIVE MATTING SYSTEM ACCESS ROAD

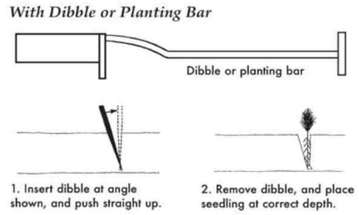
SCALE: N.T.S.



TYPICAL TLD TIE-IN SECTION

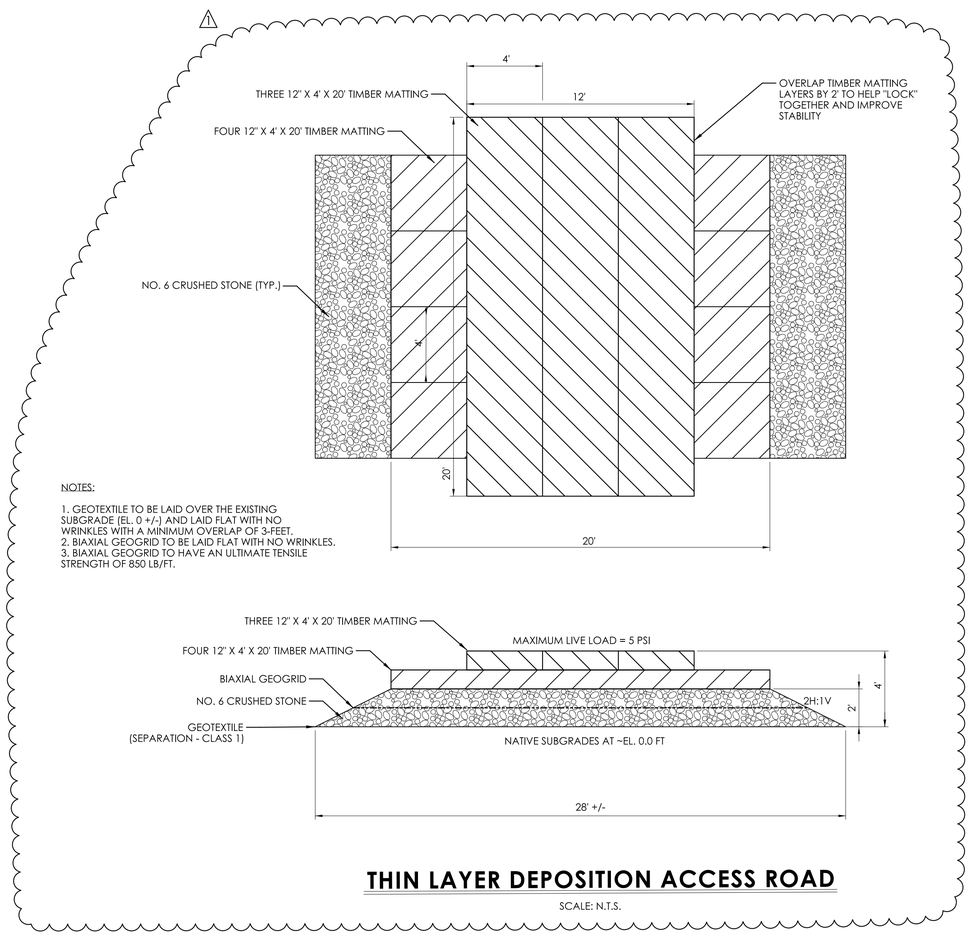
SCALE: N.T.S.

The following illustration shows the proper hand planting technique:



PLUG PLANTING DETAIL

SCALE: N.T.S.



THIN LAYER DEPOSITION ACCESS ROAD

SCALE: N.T.S.

ADDENDUM NO. 2

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	1/15/25	REVISED TLD ACCESS	MIT-06

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 1/14/2025

DESIGNER/DRAFTER: S.PELLEGRINI
CHECKED BY: W. WOLF
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\MDS_0104-0175_TLD_Details.dgn

SIGNATURE/ BLOCK:

DESIGNED BY: BL Companies
BL COMPANIES, INC.
355 RESEARCH PARKWAY
MERIDEN, CT 06450

PROJECT TITLE:
REPLACEMENT OF
BRIDGE NO. 02713, ROUTE 156
OVER FOUR MILE RIVER

TOWN: OLD LYME
EAST LYME

DRAWING TITLE: THIN LAYER DEPOSITION DETAILS

PROJECT NO. 0104-0175
DRAWING NO. MIT-06
SHEET NO. 09.06.A2