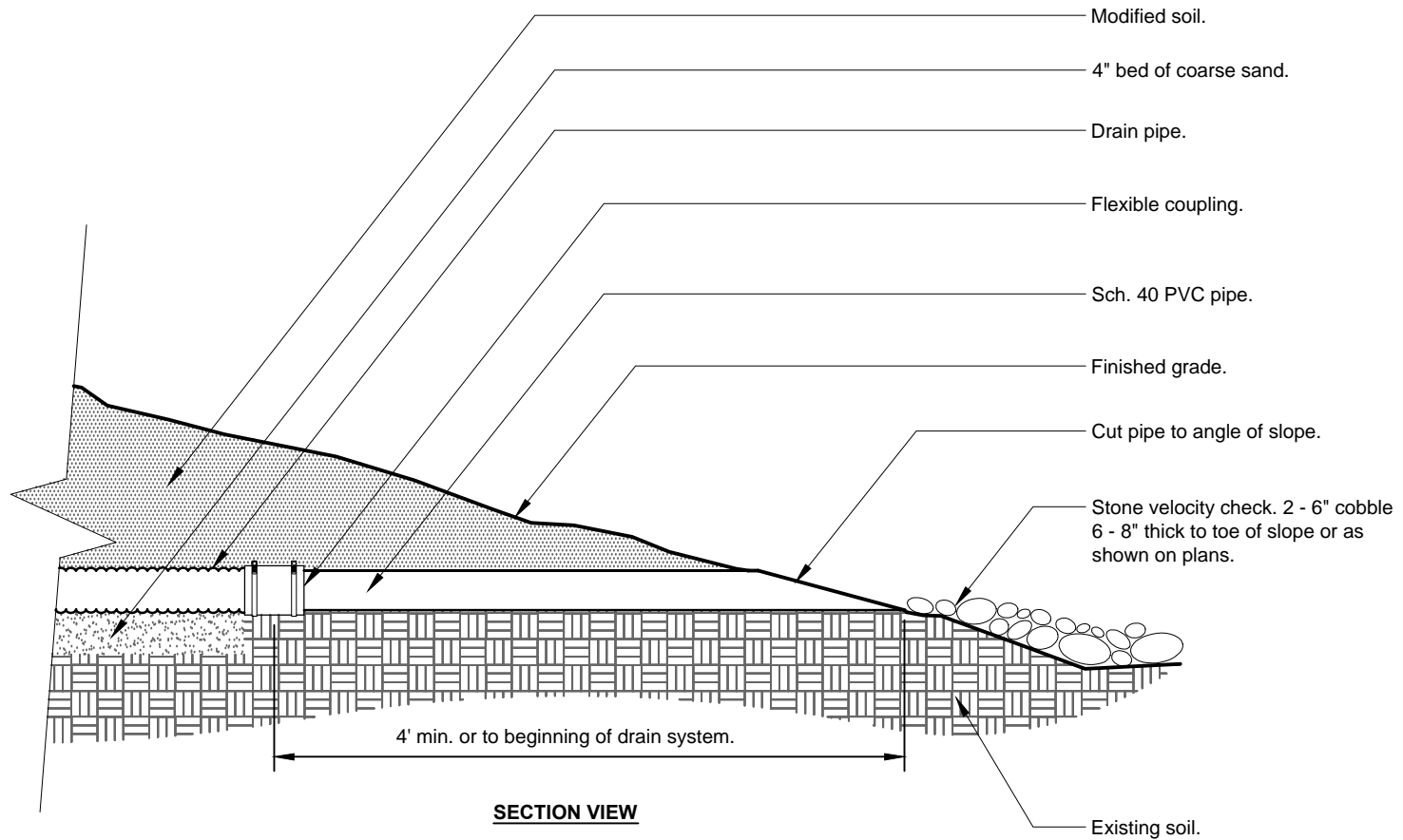


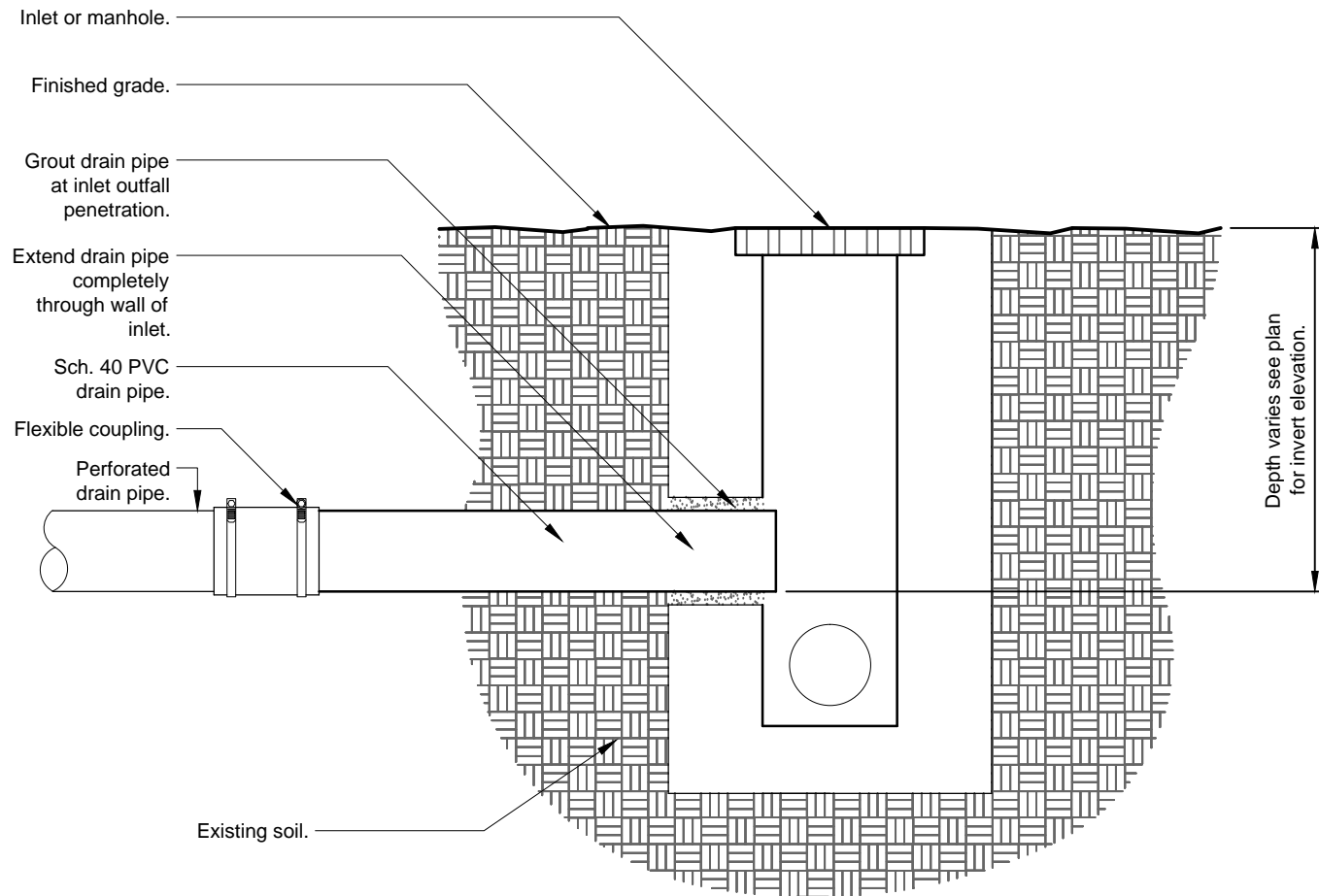
## SOIL MODIFICATION DRAIN LINE CLEANOUTS



S-X

## SOIL MODIFICATION DRAIN LINE (DAYLIGHT OUTFALL)

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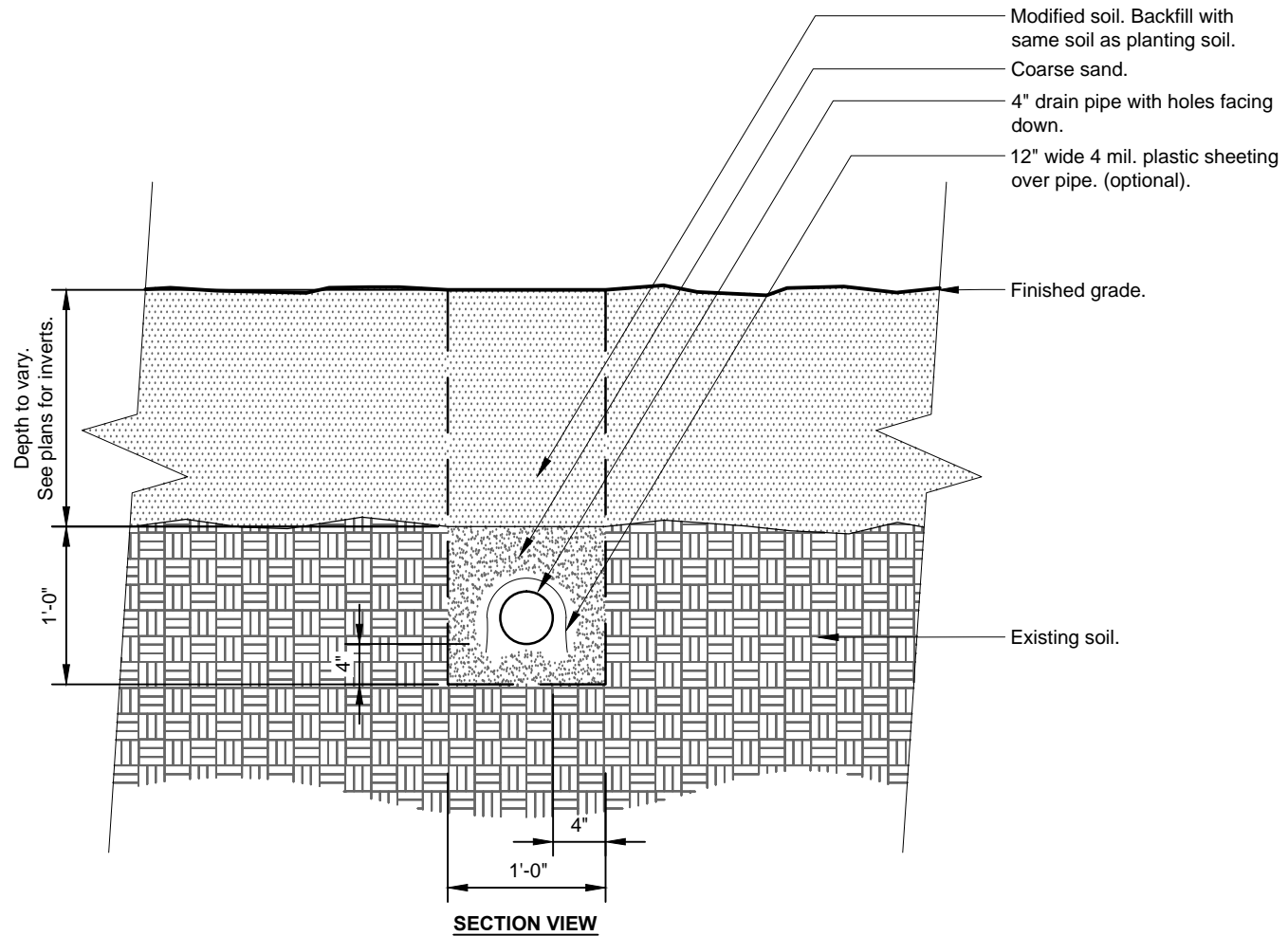
**SECTION VIEW**

Notes:

- 1- Invert of the drain line (bottom of the pipe) shall be above the top of the out fall pipe unless otherwise indicated on the drawings.



**SOIL MODIFICATION - DRAIN PIPE INLET OUTFALL**



NOTES:

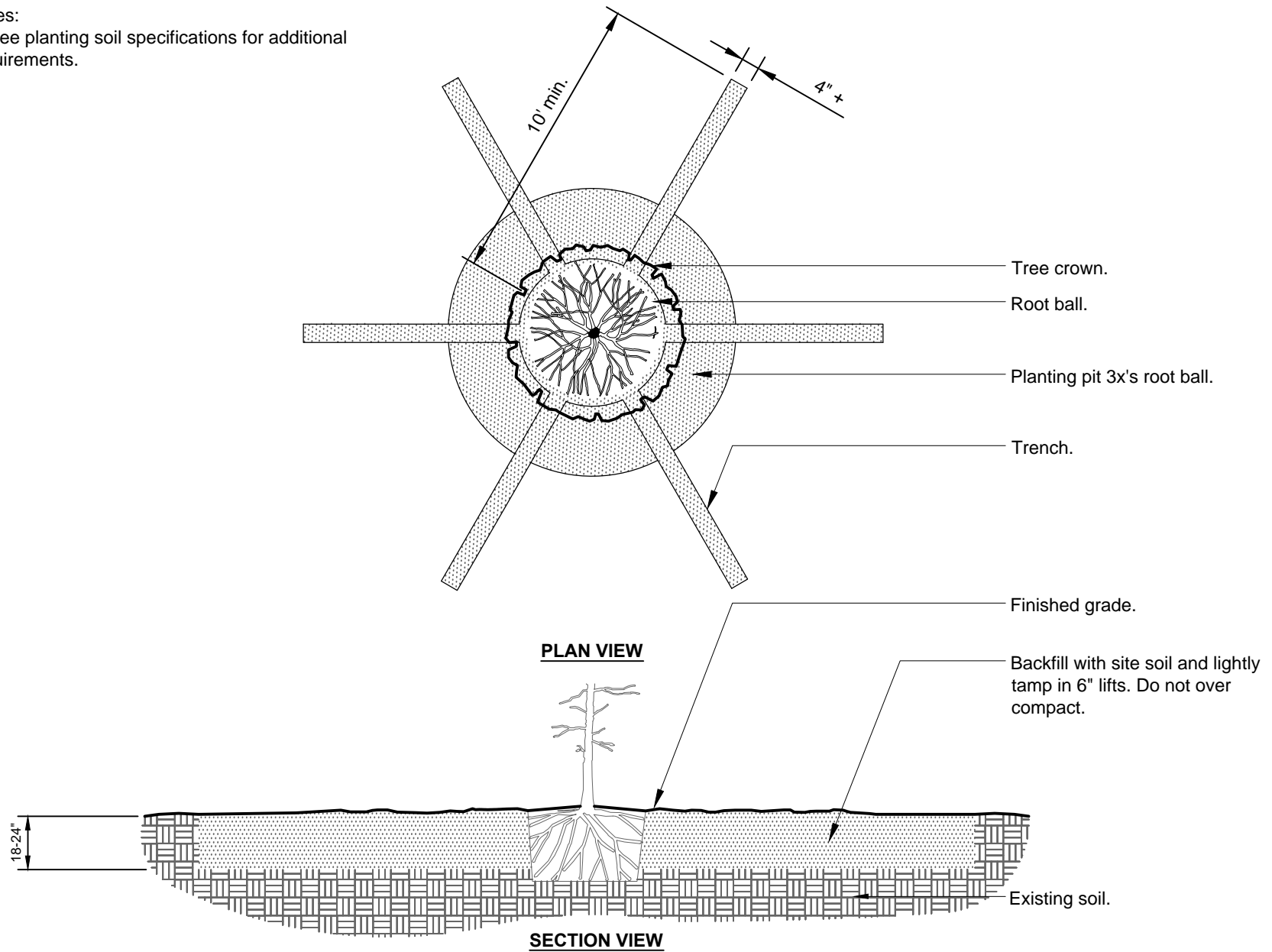
- 1- Slope drain pipe a minimum of 1% toward the outfall or as shown on plans.
- 2- Pipe shall have a 4 mil plastic sheeting placed on top of it prior to adding sand if pipe has holes on all sides.



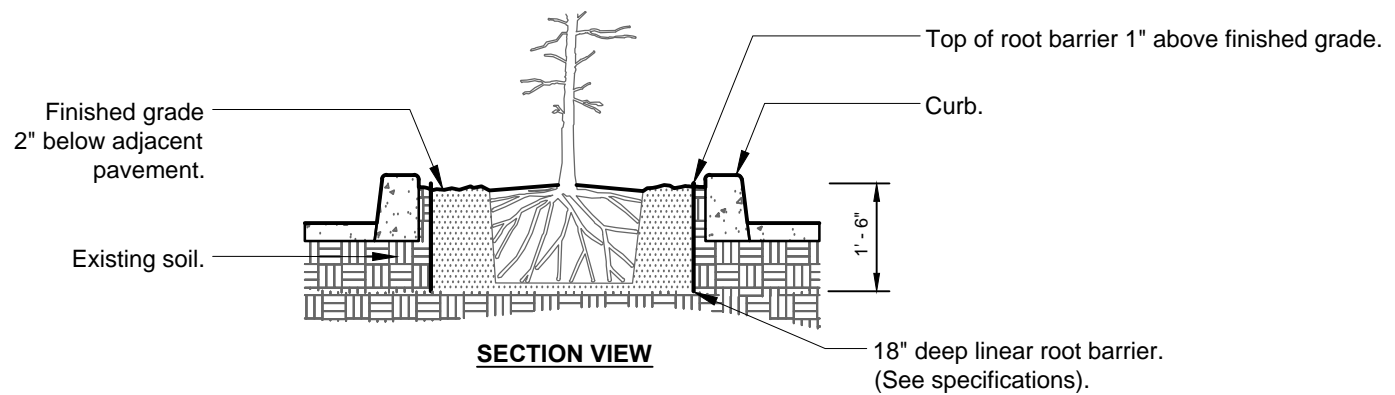
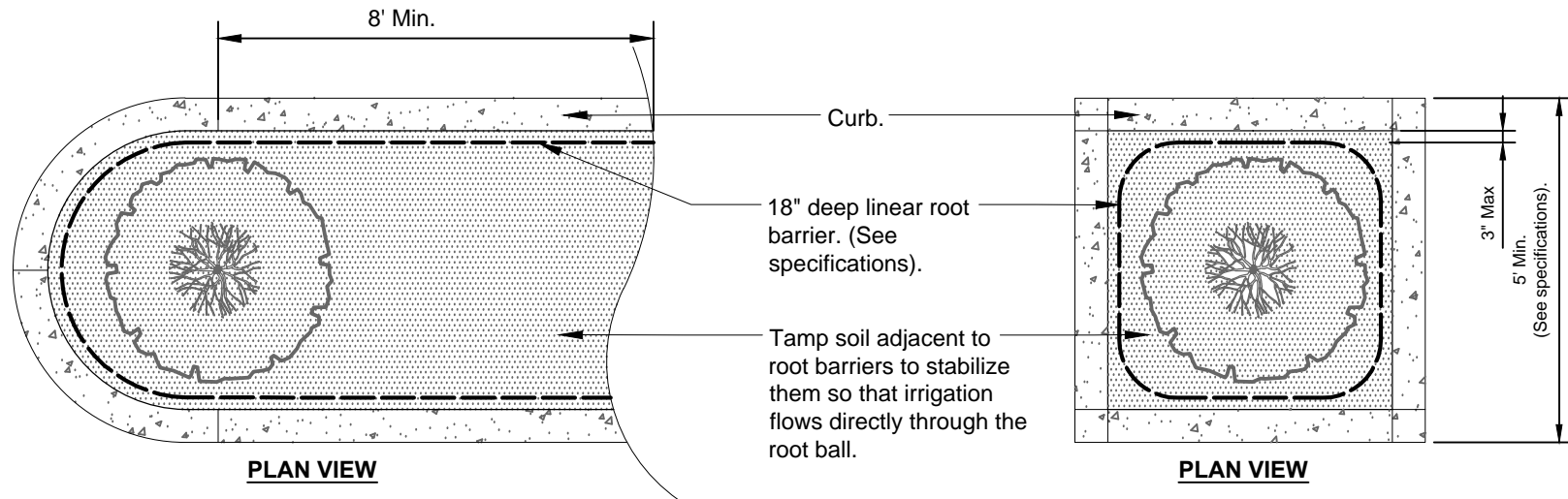
## SOIL MODIFICATION - DRAIN PIPE INSTALLATION

Notes:

1- See planting soil specifications for additional requirements.



## RADIAL TRENCHING



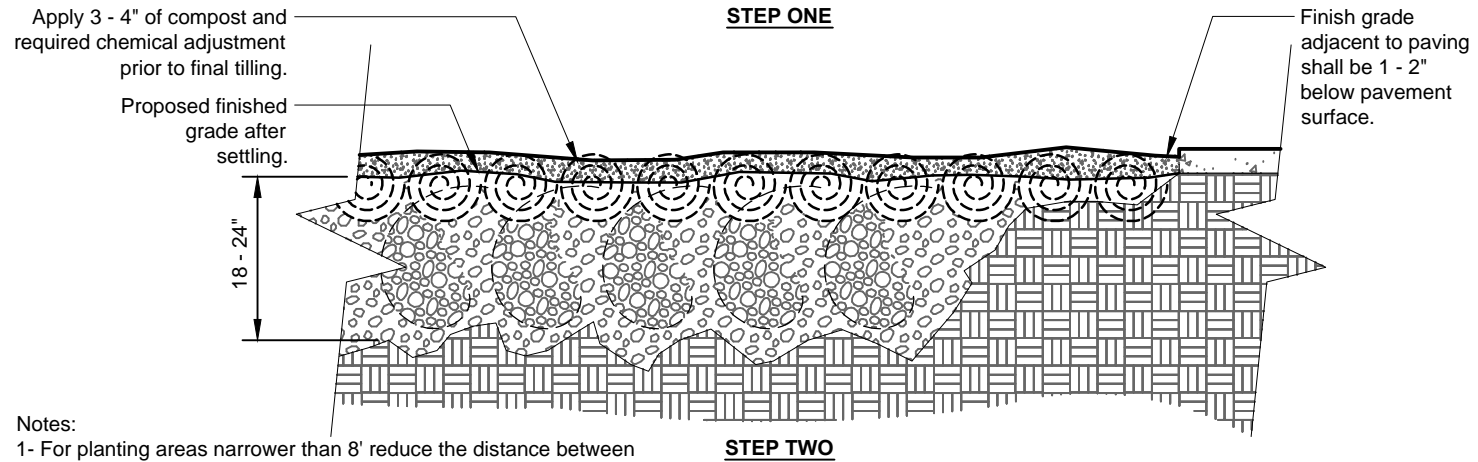
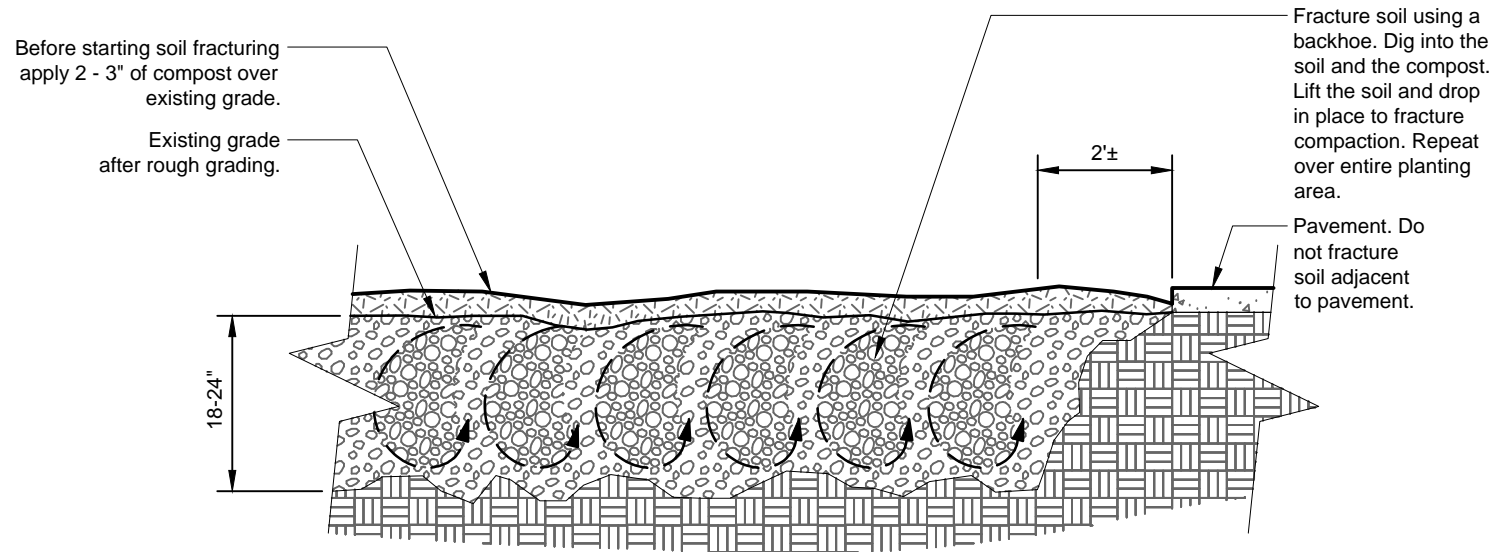
Notes:

1- Root barriers shall be installed per manufacturer's specifications and recommendations.

2- Root barriers shall be installed when root ball is located within 8' of pavement.



## ROOT BARRIERS - PARKING LOT ISLANDS



Notes:

1- For planting areas narrower than 8' reduce the distance between paving and soil fracturing from 2' to 1'.

2- See planting soil specification for additional requirements.

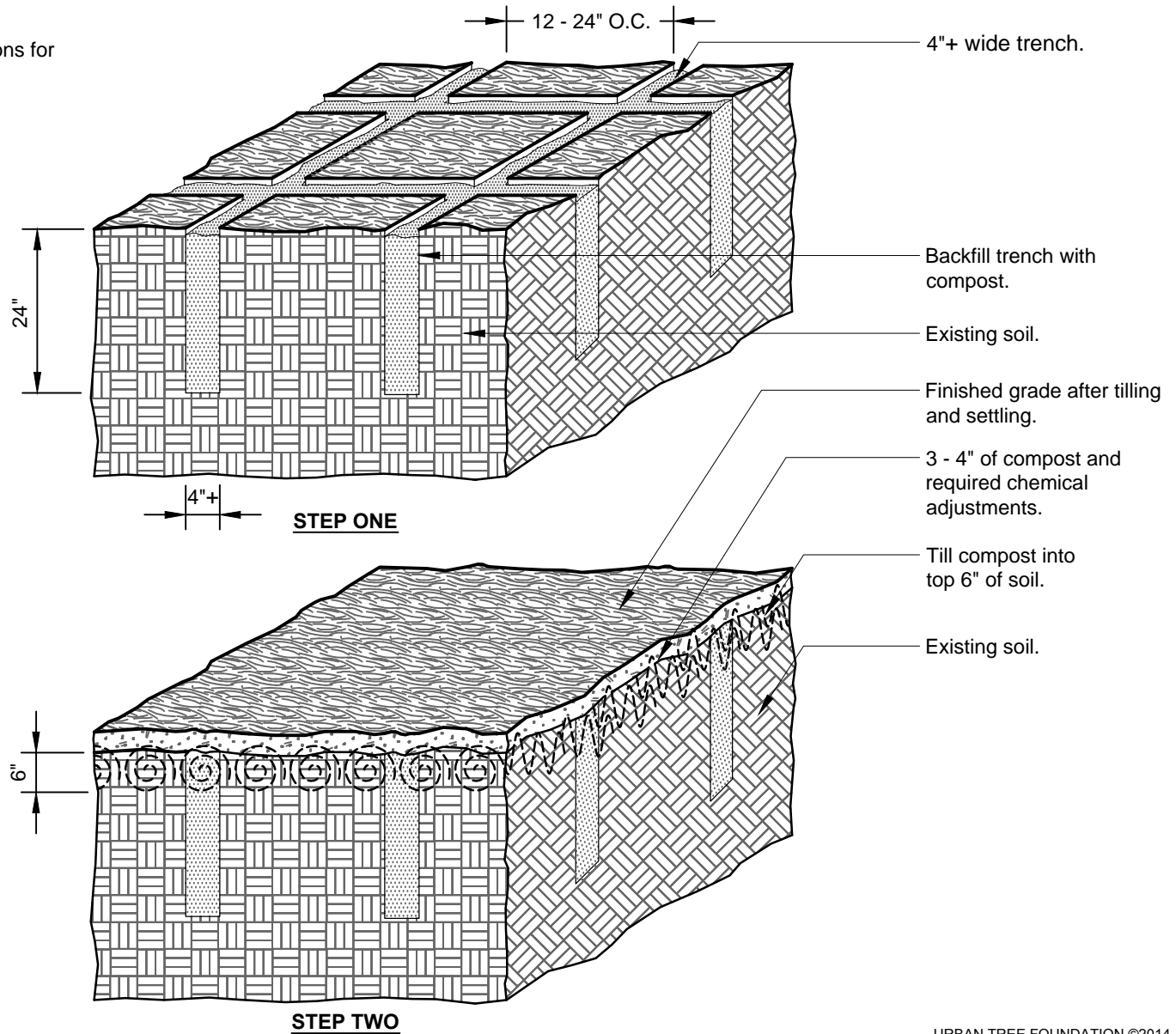
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## MODIFIED EXISTING SOIL - COMPACTED SUB SOIL (FRACTURING)

Notes:

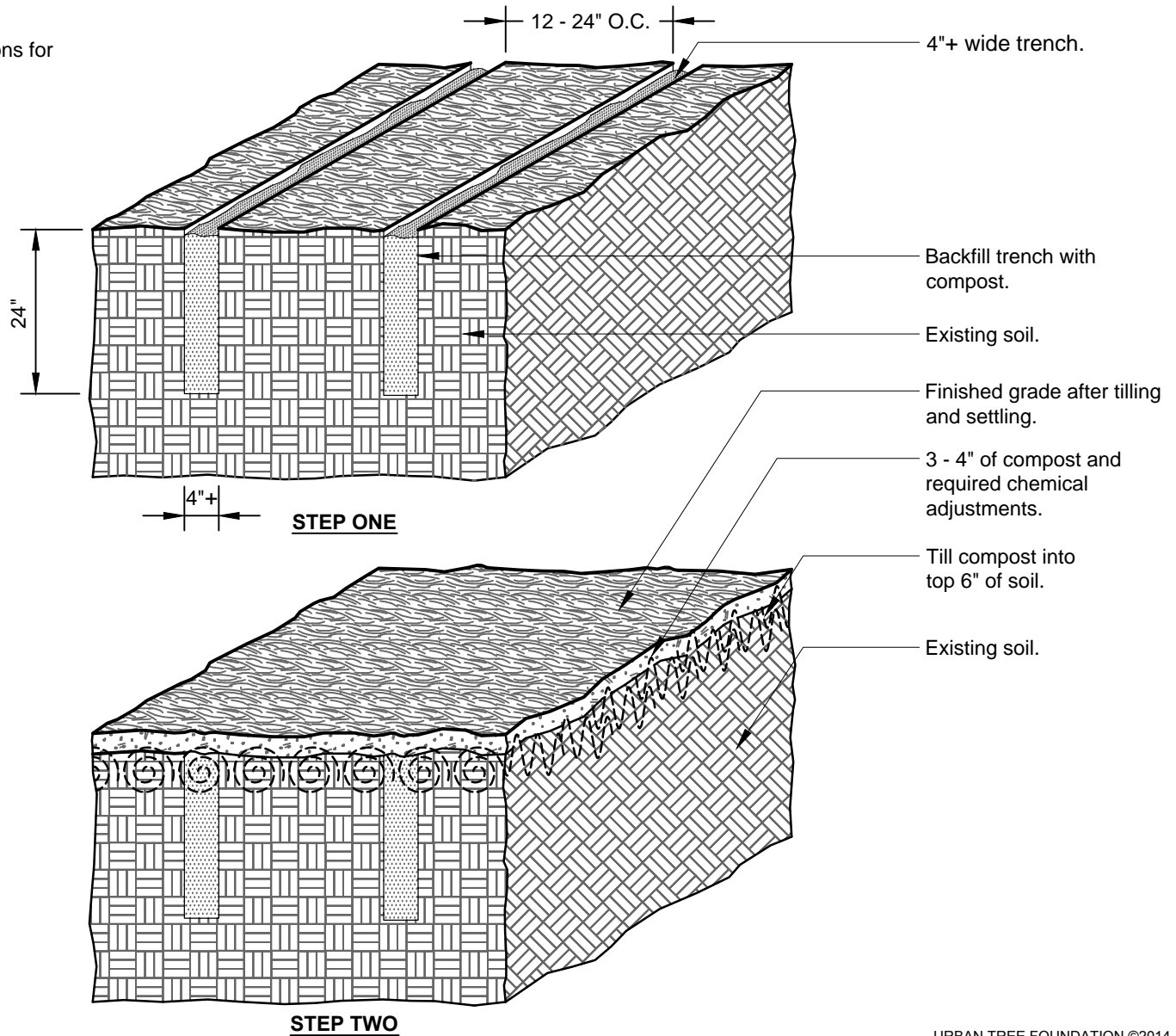
1- See planting soil specifications for additional requirements.



## MODIFIED EXISTING SOIL - COMPACTED SUBSOIL (RIPPING)



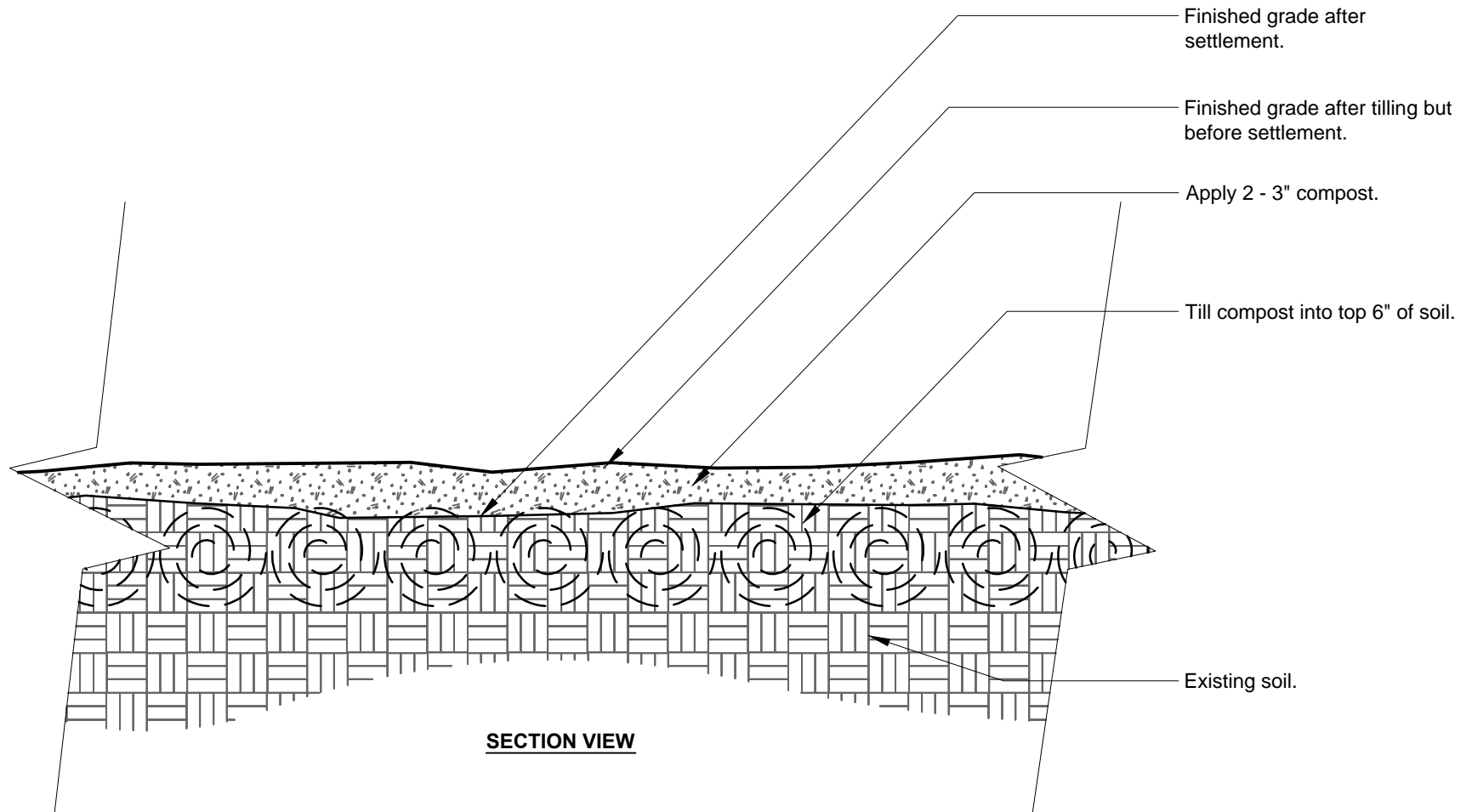
Notes:  
1- See planting soil specifications for additional requirements.



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## MODIFIED EXISTING SOIL - COMPACTED SUBSOIL (TRENCHING)



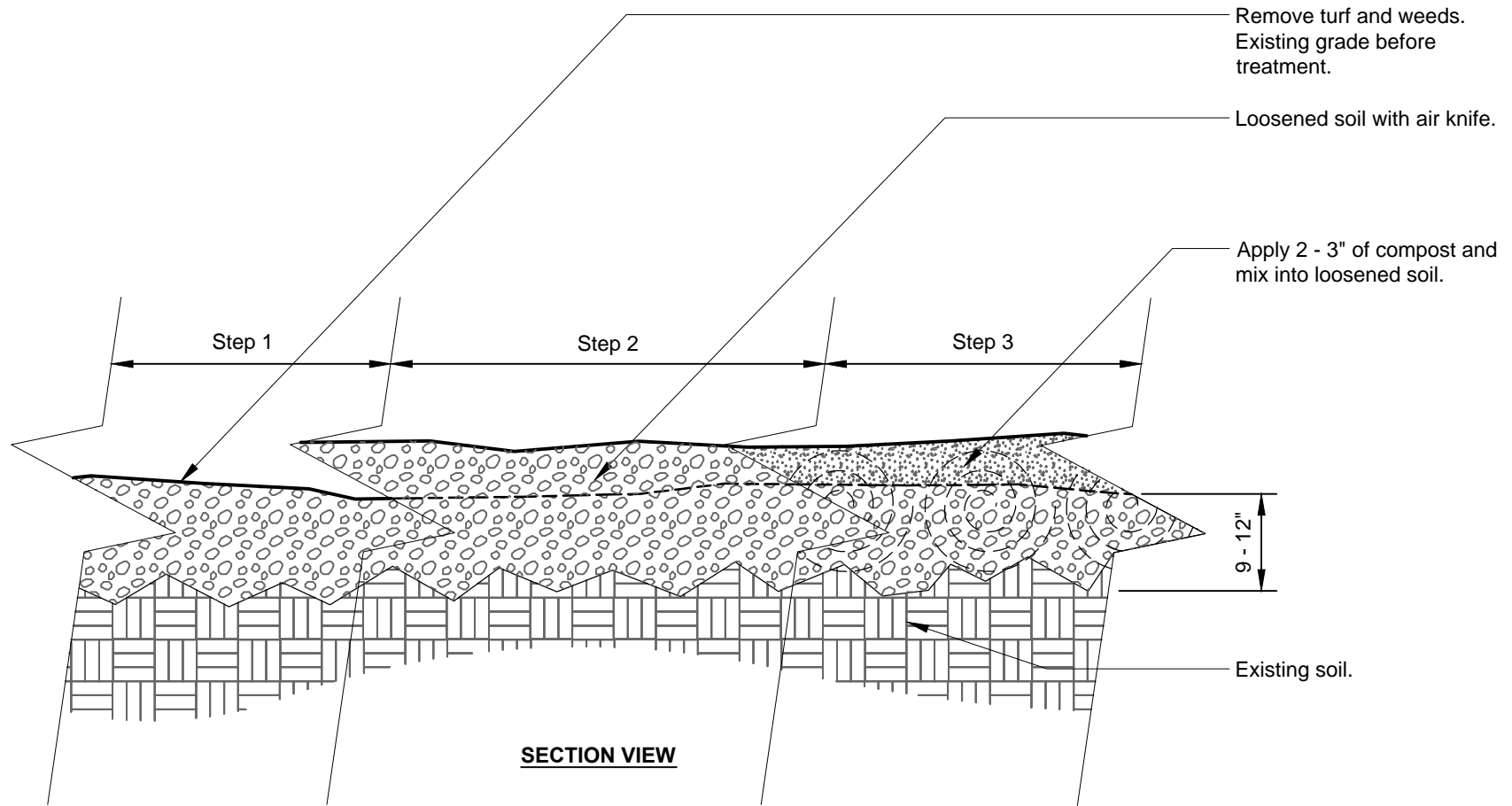
Notes:

- 1- See planting soil specifications for additional requirements.



**MODIFIED EXISTING SOIL - COMPACTED SURFACE SOIL**

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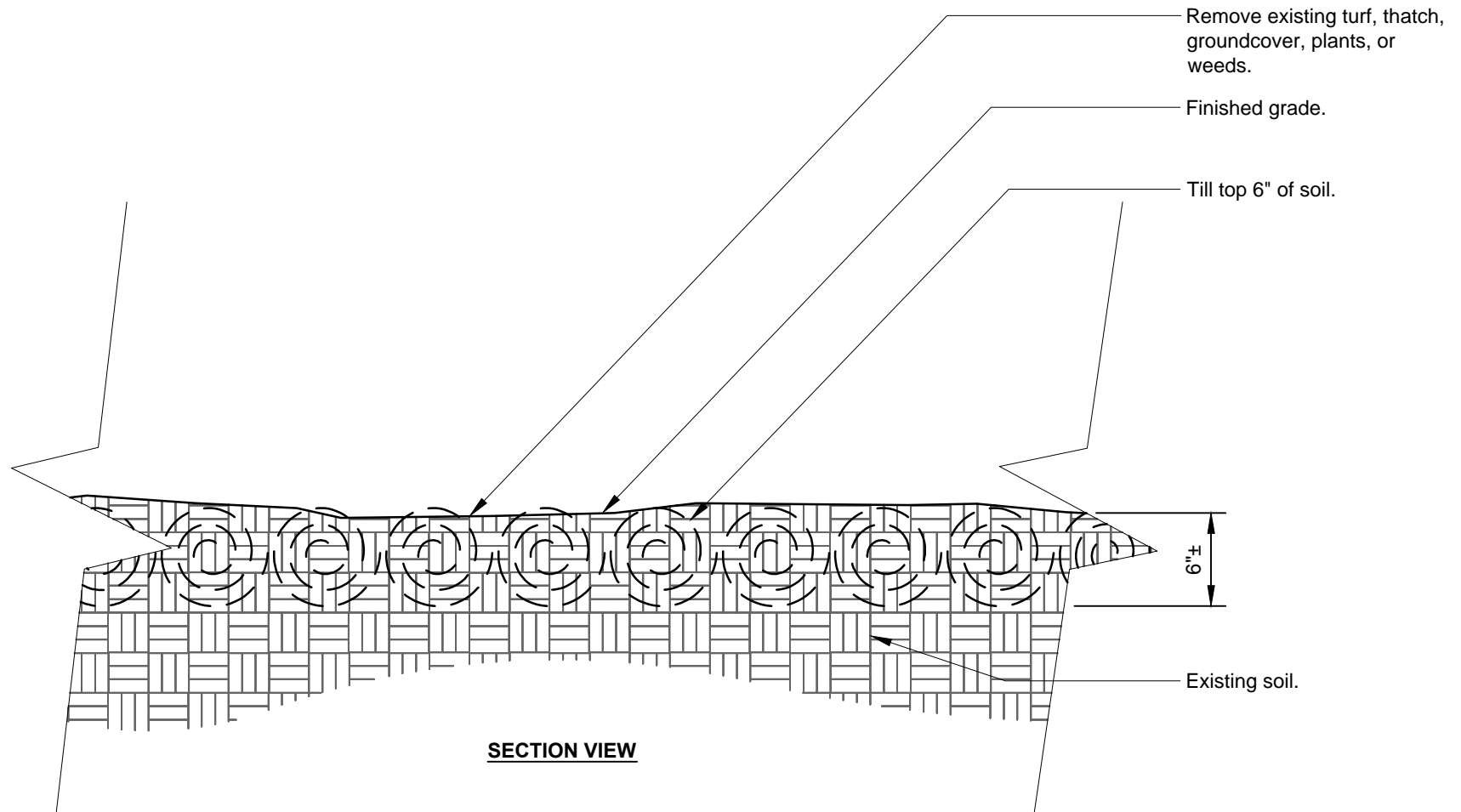
Notes:

- 1- Prior to the start of work remove all thatch, sod, and/or weeds.
- 2- Loosen soil with Air Knife or approved equal to a depth of 9 - 12" and work around encountered roots.
- 3- Apply 2 - 3" of compost over loosened soil. Using an air knife mix compost into loosened soil.
- 4- Water entire root zone at end of each work day.
- 5- See planting soil specifications for additional requirements.

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## MODIFIED EXISTING SOIL - COMPACTED SOIL IN TREE DRIPLINE

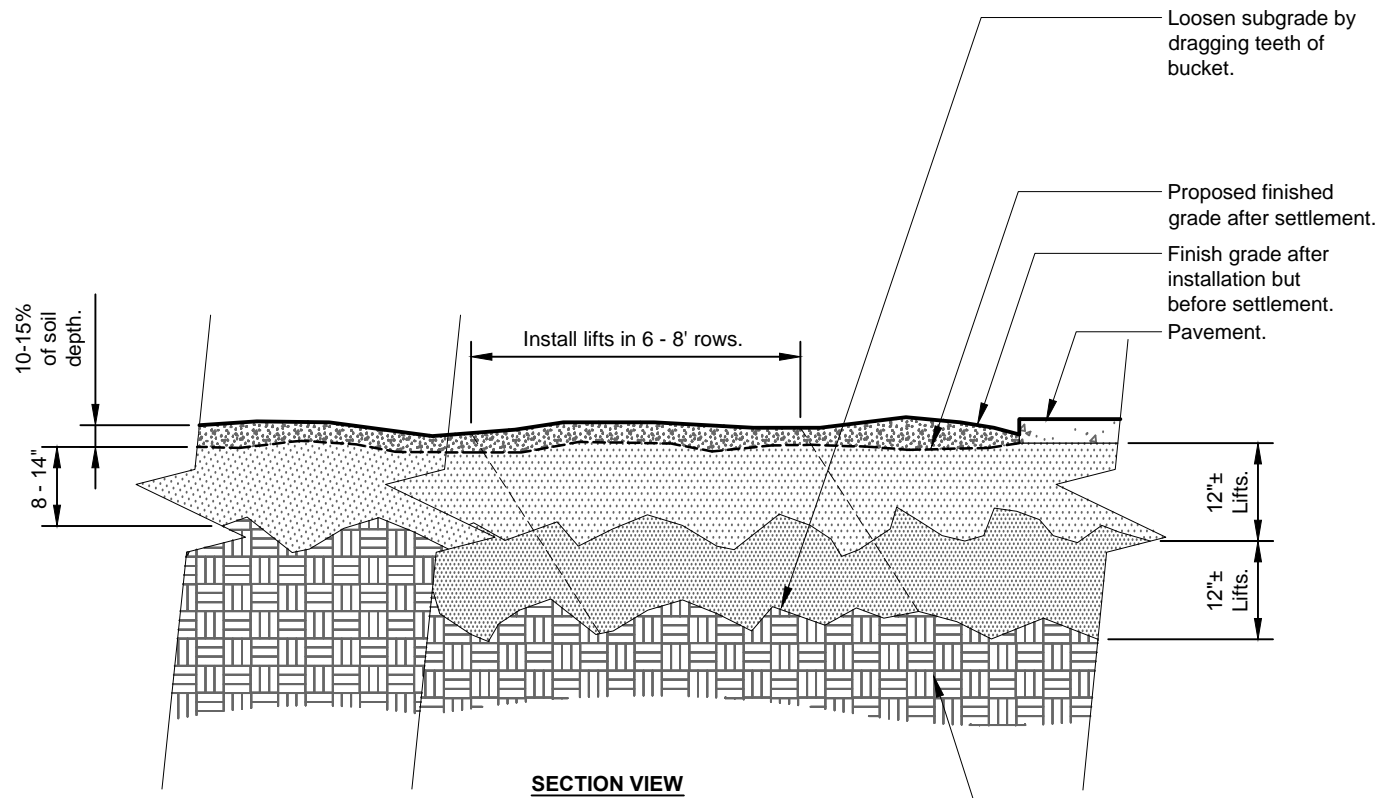


Notes:

1- See planting soil specifications for additional requirements.



## EXISTING SOIL - MINOR MODIFICATION



Notes:

- 1- Means and methods of soil compaction shall be determined at time of soil mock up.
- 2- Soil compaction after installation shall be 75 - 250 PSI at soil moisture between field capacity and wilting point.
- 3- For soil depths see planting soil specifications.
- 4- See planting soil specification for additional requirements.



## MODIFIED EXISTING SOIL - INSTALLED PLANTING MIX