

**Jefferson County School District No., R-1
Support Services**

TECHNICAL GUIDELINES

DIVISION 31 – EARTHWORK

AUGUST 2026

Jefferson County School District, R-1 TECHNICAL GUIDELINES 2026
Division 31 – Earthwork

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Jefferson County School District, R-1 TECHNICAL GUIDELINES 2026
Division 31 – Earthwork

DIVISION 31 – EARTHWORK

31 06 00 Schedules for Earthwork - October 2010

- Grading Schedule

Item	Maximum Slope	Minimum Slope
Driveways	7% (7 feet in 100 feet)	1%
Parking Areas	4% or per ADA	1%
Pedestrian Sidewalks	Per ADA	1%
Pedestrian Cross Slope	Per ADA	1%
Grassed Playfields	3%	2%
Grass swales	9%*	3%
Paved swales	4%	1%
Terraces, Embankments	33%	2%
Playpads, Courts, Tennis	1%**	1%**
10 ft Building Perimeter	25%	5%
Athletic Fields	2.4% ***	1.6%
HS Football:	18 inch crown	18 inch crown

* NOTE: Not recommended. Where slope of grass swales equals or exceeds 10% slope, provide permanent check dams to control erosion.

** NOTE: Slope end-to-end or diagonally for each pair of courts

*** Note: Maximum longitudinal field slope if evenly sloped from crown at center of field to ends. If slope is continuous across the length of the field, maximum grade is 1.8%.

END SECTION 31 06 00

31 22 00 Grading - October 2010

- Balance cut and fill to the greatest extent possible without compromising specified drainage criteria.
- Export and dispose of debris, organic matter and soil that does not meet specification criteria.
 1. Dispose of in accordance with applicable regulations.
- Coordination:
 1. See 31 06 00 for Grading Schedule
- Execution Summary
 1. Surfacing material for all athletic field subgrade shall be true to line when tested with a ten (10) foot straight edge
 - a. It shall have no deviation from the face of the straight edge in excess of one-fourth (1/4) inch for the final product at any point.
 - b. This does not allow 1/4" at subgrade and then another 1/4" at final grading.
 2. Laser to be used to achieve these tolerances.

END SECTION 31 22 00

31 23 00 Excavation and Fill – October 2010

- Work in this section is open to any product or material meeting the requirements of this Technical Guideline.
- Source of imported structural fill materials is subject to the review and approval of the Geotechnical Engineer
 1. Confirm conditions of Geotechnical Engineer "acceptance" of fill materials.
 - a. Testing may be only for expansiveness and exclude capability of material to meet specified structural performance criteria.
 2. Verify and enforce actual material sources consistent with approved submittals.
- Submittals
 1. Samples:
 - a. Soil samples per Geotechnical engineer
 2. Test Reports
 3. Closeout:
 - a. Submittals listed above
 - (1) Updated to record status.
 - b. Samples excluded.
- Excavation
 1. Identify and indicate existing underground utilities and construction.
 2. UNCC and Jefferson County School District, R-1 utility locates are mandatory.
 3. Protect or relocate trees and improvements proposed to remain in the finished construction.
- Fill
 1. Strictly comply with recommendations and reports of Geotechnical Engineer.
 2. Use Standard Proctor curve.
 - a. Use of Modified Proctor curve requires prior approval of Jefferson County School District, R-1
- Rock:
 1. Specify as per geotechnical report
 2. All exposed rock shall be grouted in place
 3. Coordination:
 - a. See Landscape inorganic mulch section
- Compaction
 1. Maximum lift per Geotechnical Report
 2. Preferred compaction method:
 - a. Sheepsfoot roller
 3. Prohibited compaction methods:
 - a. Construction machinery such as bulldozer or backhoe.
 4. Compacted areas should shed water.
 - a. Avoid conditions which can trap water and leech it to adjoining compacted subgrade or pavement.

END SECTION 31 23 00

31 24 00 Embankments – October 2010

- Work in this section is open to any product or material.

END SECTION 31 24 00

31 25 00 Erosion and Sedimentation Controls – October 2010

- Work in this section is open to any product or material.
- See 01 41 00 - Regulatory Requirements

END SECTION 31 25 00

31 30 00 Earthwork Methods – October 2010

- Work in this section is open to any product or material.

END SECTION 31 30 00

31 32 00 Soil Stabilization – October 2010

- Work in this section is open to any product or material.

END SECTION 31 32 00

31 40 00 Shoring and Underpinning – October 2010

- Work in this section is open to any product or material.

END SECTION 31 40 00

31 50 00 Excavation Support and Protection – October 2010

- Work in this section is open to any product or material.

END SECTION 31 50 00

31 60 00 Special Foundations and Load-Bearing Elements – October 2010

- Work in this section is open to any product or material.

END SECTION 31 60 00