

## 2024 MASS Division 20 Summary of Changes

Section/ Detail	Article	Change
All		Changed all gender-specific language to gender neutral.
All		In text, changed "#" to "No. " for consistency with Div 30 & Div 40.
All		Spelling/grammar, hyphenation, & non-breaking spaces
20.01	1.2	Revised definition: Backfill – Material placed in an excavated area up to the original or natural ground line.
20.01	1.2	Revised definition: Fill – Material placed above the original or natural ground line.
20.01	1.2	Revised "trench" definition to incorporate OSHA definition. Trench – Any excavation for a utility or drainage system or where the width of the excavation is less than twice the depth of the excavation.
20.01	1.3	Edited test designations and titles to match published standards. (Also applied designation changes throughout the Division.)
20.01	1.3	Removed obsolete stds; added replacement stds (i.e. ASTM D422, ASTM D424, and AASHTO T 205 have been withdrawn).
20.01	1.5	2nd ¶: Edited test designation and title to match published standard.
20.01	1.5	3rd ¶ Table, Variable C: Added equivalent ASTM test.
20.01	1.5	3rd ¶ Table, Variable r: "Coefficient with value depending on A, as follows:"
20.02	2.2	Final Stabilization: Changed "rip rap" to "riprap" for consistency with all other references.
20.02	2.3 A	Removed 2011 date from CGP title.
20.02	2.9 D	6th ¶: CGP Part 2.1.5 revised to 2.1.6 8th ¶: CGP Part 4.1.2 revised to 4.1.3.3 9th ¶: CGP Part 4.3 revised to 4.4
20.04	4.2	Expanded & clarified descriptions of materials to be removed and extent of clearing limits. Added requirement that tree pruning shall be done by an ISA Certified Arborist in accordance with ANSI A300.
20.04	4.2	Added ¶ regarding migratory bird habitat per Special Provisions
20.05	5.2	Expanded & clarified descriptions of materials to be removed and extent of clearing limits. Added requirement that tree pruning shall be done by an ISA Certified Arborist in accordance with ANSI A300.
20.05	5.2	Added ¶ regarding migratory bird habitat per Special Provisions
20.05	5.2	Changed clearance distances per Special Provisions
20.06	6.2	Added ¶ regarding migratory bird habitat per Special Provisions
20.07		Added clarification that sidewalks under this section are Portland cement concrete.
20.08		Added clarification that curb & gutter under this section are Portland cement concrete.
20.09		Added clarification that pavement under this section is asphalt cement pavement. Also, deleted references to "existing" for consistency with other Removal articles.
20.10 & 20.13		Significant rewrite defining usable & nonusable, methods of measurement & payment. Moved much text in trench section (20.13) applicable to excavations in general to this section. Trench section now focuses on requirements specific to trenches.
20.11	11.2	1st ¶, 2nd sentence, revised to "Usable excavation removed from high areas shall be placed as fill or backfill in depressions".
20.11	11.2	Revised 1st ¶, 3rd sentence.
20.11	11.2	Revised 2nd ¶ to add a minimum depth of compaction (12 inches).
20.11	11.2	3rd ¶ revised to "Water shall be added to graded material that is too dry to be adequately compacted until the moisture content is within the optimum range for compaction. Material shall be scarified, tilled, and mixed as needed to create uniform moisture conditions throughout. Graded material that is too wet to be adequately compacted shall be scarified, tilled, mixed, and aerated by means of blade graders, harrows, or other suitable equipment until the moisture content is within the optimum range for compaction."
20.12	12.4 & 12.5	Dewatering should not be Lump Sum, but too many variables to have a standard payment method. Modified language that measurement & payment are as specified in Special Provisions.
20.17	17.2	Last ¶: Corrected spelling of "cementitious".
20.20	20.2	Title: Changed Material to Materials for consistency with other Articles.
20.21	21.2	Title: Changed Material to Materials for consistency with other Articles.
20.21	21.2	Added crushed glass (cullet) as an acceptable material per Special Provisions
20.21	21.2	Added Subarticle G for cullet properties per Special Provisions

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20.21	21.3	Added paragraph to restrict placement of cullet per Special Provisions.
20.21	21.4	1st ¶, 1st sentence: Changed "borrow pits" to "borrow sources" to remove potential ambiguity over the meaning of a pit.
20.21	21.5	Specified that cullet use is incidental.
20.22	22.2	Title: Changed Material to Materials for consistency with other Articles.
20.22	22.2	Added cullet & recycled concrete aggregate (RCA) as acceptable materials per Special Provisions
20.22	22.2	Added Subarticles D & E for cullet & RCA properties per Special Provisions
20.22	22.3C	Added paragraph to restrict placement of cullet & RCA per Special Provisions.
20.22	22.3D	Added control on segregation, crushing, or paste accumulation for RCA per Special Provisions
20.22	22.5	Specified that cullet and/or RCA use is incidental.
20.24	24.4	Deleted "Method of " from title for consistency with other articles.
20.25	25.3C	Added language in 25.3 C that Type A and Type C geotextile panel overlaps need to be in direct, intimate contact with each other. Appended a modification of the last sentence from 2nd ¶ of Type C Geotextile to end of 2nd ¶ of Type A Geotextile to provide overlap distance for Type A. Language modified to indicate that overlapping means one piece directly overlies the other piece.
20.25	25.4	Deleted "Method of " from title for consistency with other articles.
20.27		Incorporated into Section 20.10. Section intentionally left blank.
20.28	28.4 & 28.5	Rewrote references to measurement & payment to reflect work will be in accordance with other individual bid items. Reconstruct driveway no longer a bid item. Div 30 consistent with these changes, more or less.
20-1		Changed "R.A.P." to "RAP" for consistency with all other references.
20-8		Added Locator Tape to detail. Suggest moving Insulation info to 20-9.
20-9		Added Locator Tape to detail.