



2880 International Circle, Suite 110
 Colorado Springs, CO 80910
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 www.elpasoco.com

**EL PASO COUNTY PLANNING AND
 COMMUNITY DEVELOPMENT
 DEPARTMENT**

GRADING AND EROSION CONTROL PLAN CHECKLIST

Revised: January 2022

GRADING AND EROSION CONTROL PLAN		
<p>The intent of the GEC Plan is to provide for overall subdivision or development grading design as part of the engineering required for review and approval by the County. This plan is done at the time subdivision or development construction drawings are prepared by the Professional Engineer working for the developer. This is complex work whereby cuts and fills are analyzed for balance, slopes and contours are proposed as an integral part of the engineering design. A second important use of the GEC Plan is to estimate the cost of the overall grading, erosion control measures known as Best Management Practices (BMPs), and ultimate site stabilization. The County subdivision regulations require that collateral for these activities be posted prior to any land disturbing activity. The GEC Plan is therefore important to be completed and approved at the time of subdivision construction drawing approval so that these costs can be accurately estimated and included with the required subdivision collateral.</p>		
		Applicant PCD
NOTE: Please confirm each item below has been included by placing a check mark in the "Applicant" column. See right for an example. The "PCD" column is for office use only.		✓ Office use only
1	Title Sheet which includes:	
	Sheet index	✓
	Project title	✓
	Vicinity map	✓
	General project layout map (show and label benchmark locations here and on street plans)	✓
	Design engineer's statement	✓
	Owner/developer's statement	✓
	El Paso County signature block	✓
	Planning and Community Development file number at lower right	N/A
	Project benchmark (NAVD88)	✓
	Basis of bearing	✓
	Other applicable jurisdiction/utility signature blocks	✓
	List of governing agencies, owner, engineer, architect with contact information	✓
2	EPC standard construction notes	✓
3	Details sheet(s) as needed	✓
4	Vicinity map showing the subdivision in relation to section lines and existing or proposed arterial or collector roadways.	✓
5	Adjacent city/town/jurisdictional boundaries, subdivision names, and property parcel numbers labeled	✓
6	North arrow and acceptable scale (1"=20' to 1"=100')	✓
7	Legend for all symbols used in the plan	✓
8	Existing and proposed property lines. Proposed subdivision boundary for subdivision projects.	✓
9	All existing structures	✓
10	All existing utilities	✓
11	Construction site boundaries	✓
12	Existing vegetation (notes are acceptable in cases where there is no notable vegetation, only grasses/weeds, or site has already been stripped).	✓
13	FEMA 100-yr floodplain	✓
14	Existing and proposed water courses including springs, streams, wetlands, detention ponds, stormwater quality structures, roadside ditches, irrigation ditches and other water surfaces. Show maintenance of pre-existing vegetation within 50 feet of a receiving water.	✓
15	Existing and proposed contours 2 feet or less (except for hillside)	✓



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9	Erosion and Stormwater Quality Control Permit (ESQCP) (signed by the applicant/owner)	✓	
10	Pre-Development Site Grading Acknowledgement and Right of Access Form (signed by the applicant/owner)	N/A	
11	Documentation to support that all applicable Conditions of Approval have been met.	TBD	



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The following standard El Paso County Grading and Erosion Control Plan Notes shall be included, as applicable:			
1	Stormwater discharges from construction sites shall not cause or threaten to cause pollution, contamination, or degradation of State Waters. All work and earth disturbance shall be done in a manner that minimizes pollution of any on-site or off-site waters, including wetlands.	✓	
2	Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations from regulations and standards must be requested, and approved, in writing.	✓	
3	A separate Stormwater Management Plan (SMWP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction. Management of the SWMP during construction is the responsibility of the designated Qualified Stormwater Manager or Certified Erosion Control Inspector. The SWMP shall be located on site at all times during construction and shall be kept up to date with work progress and changes in the field.	✓	
4	Once the ESQCP is approved and a "Notice to Proceed" has been issued, the contractor may install the initial stage erosion and sediment control measures as indicated on the approved GEC. A Preconstruction Meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility of the applicant to coordinate the meeting time and place with County staff.	✓	
5	Control measures must be installed prior to commencement of activities that could contribute pollutants to stormwater. control measures for all slopes, channels, ditches, and disturbed land areas shall be installed immediately upon completion of the disturbance.	✓	
6	All temporary sediment and erosion control measures shall be maintained and remain in effective operating condition until permanent soil erosion control measures are implemented and final stabilization is established. All persons engaged in land disturbance activities shall assess the adequacy of control measures at the site and identify if changes to those control measures are needed to ensure the continued effective performance of the control measures. All changes to temporary sediment and erosion control measures must be incorporated into the Stormwater Management Plan.	✓	
7	Temporary stabilization shall be implemented on disturbed areas and stockpiles where ground disturbing construction activity has permanently ceased or temporarily ceased for longer than 14 days.	✓	
8	Final stabilization must be implemented at all applicable construction sites. Final stabilization is achieved when all ground disturbing activities are complete and all disturbed areas either have a uniform vegetative cover with individual plant density of 70 percent of pre-disturbance levels established or equivalent permanent alternative stabilization method is implemented. All temporary sediment and erosion control measures shall be removed upon final stabilization and before permit closure.	✓	
9	All permanent stormwater management facilities shall be installed as designed in the approved plans. Any proposed changes that effect the design or function of permanent stormwater management structures must be approved by the ECM Administrator prior to implementation.	✓	
10	Earth disturbances shall be conducted in such a manner so as to effectively minimize accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time. Pre-existing vegetation shall be protected and maintained within 50 horizontal feet of a waters of the state unless shown to be infeasible and specifically requested and approved.	✓	
11	Compaction of soil must be prevented in areas designated for infiltration control measures or where final stabilization will be achieved by vegetative cover. Areas designated for infiltration control measures shall also be protected from sedimentation during construction until final stabilization is achieved. If compaction prevention is not feasible due to site constraints, all areas designated for infiltration and vegetation control measures must be loosened prior to installation of the control measure(s).	✓	



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12	Any temporary or permanent facility designed and constructed for the conveyance of stormwater around, through, or from the earth disturbance area shall be a stabilized conveyance designed to minimize erosion and the discharge of sediment off site.	✓	
13	Concrete wash water shall be contained and disposed of in accordance with the SWMP. No wash water shall be discharged to or allowed to enter State Waters, including any surface or subsurface storm drainage system or facilities. Concrete washouts shall not be located in an area where shallow groundwater may be present, or within 50 feet of a surface water body, creek or stream.	✓	
14	During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.	N/A	
15	Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.	N/A	
16	Contractor shall be responsible for the removal of all wastes from the construction site for disposal in accordance with local and State regulatory requirements. No construction debris, tree slash, building material wastes or unused building materials shall be buried, dumped, or discharged at the site.	✓	
17	Waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. control measures may be required by El Paso County Engineering if deemed necessary, based on specific conditions and circumstances.	✓	
18	Tracking of soils and construction debris off-site shall be minimized. Materials tracked off-site shall be cleaned up and properly disposed of immediately.	✓	
19	The owner/developer shall be responsible for the removal of all construction debris, dirt, trash, rock, sediment, soil, and sand that may accumulate in roads, storm drains and other drainage conveyance systems and stormwater appurtenances as a result of site development.	✓	
20	The quantity of materials stored on the project site shall be limited, as much as practical, to that quantity required to perform the work in an orderly sequence. All materials stored on-site shall be stored in a neat, orderly manner, in their original containers, with original manufacturer's labels.	✓	
21	No chemical(s) having the potential to be released in stormwater are to be stored or used onsite unless permission for the use of such chemical(s) is granted in writing by the ECM Administrator. In granting approval for the use of such chemical(s), special conditions and monitoring may be required.	✓	
22	Bulk storage of allowed petroleum products or other allowed liquid chemicals in excess of 55 gallons shall require adequate secondary containment protection to contain all spills onsite and to prevent any spilled materials from entering State Waters, any surface or subsurface storm drainage system or other facilities.	✓	
23	No person shall cause the impediment of stormwater flow in the curb and gutter or ditch except with approved sediment control measures.	✓	
24	Owner/developer and their agents shall comply with the "Colorado Water Quality Control Act" (Title 25, Article 8, CRS), and the "Clean Water Act" (33 USC 1344), in addition to the requirements of the Land Development Code, DCM Volume II and the ECM Appendix I. All appropriate permits must be obtained by the contractor prior to construction (1041, NPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirements and other laws, rules, or regulations of other Federal, State, local, or County agencies, the most restrictive laws, rules, or regulations shall apply.	✓	
25	All construction traffic must enter/exit the site only at approved construction access points.	✓	
26	Prior to construction the permittee shall verify the location of existing utilities.	✓	
27	A water source shall be available on site during earthwork operations and shall be utilized as required to minimize dust from earthwork equipment and wind.	✓	
28	The soils report for this site has been prepared by _____ and shall be considered a part of these plans.	N/A	



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29	<p>At least ten (10) days prior to the anticipated start of construction, for projects that will disturb one (1) acre or more, the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this Grading and Erosion Control Plan may be a part. For information or application materials contact:</p> <p>Colorado Department of Public Health and Environment Water Quality Control Division WQCD – Permits 4300 Cherry Creek Drive South Denver, CO 80246-1530 Attn: Permits Unit</p>	✓	
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GEC Checklist Notes

Grandview Reserve - Dual Force Sewer Mains

The following list the statements that were listed as N/A in the GEC Checklist followed by the reason for the N/A:

- 1. Planning and Community Development file number at lower right
 - To be provided by El Paso county after first submittal
- 20. Conclusions from soils/geotechnical report and geologic hazards report incorporated in grading design (slopes, embankments, materials, mitigation, etc.)
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.
- 21. Proposed slopes steeper than 3:1 with top and toe of slope delineated. Erosion control blanketing or other protective covering required.
 - No proposed or existing slopes were steeper than 3:1.
- 23. Location of any dedicated asphalt / concrete batch plants
 - Project site does not require asphalt / concrete batch plants.
- 27. Temporary sediment ponds provided for disturbed drainage areas greater than 1 acre.
 - Project is linear, therefore, temporary sediment ponds cannot be properly applied.
- 28. Dewatering operations to include locations of diversion, pump and discharge(s) as anticipated at time of design.
 - Dewater operations will not be required for this project.
- 30. Any offsite stormwater control measure proposed for use by the project and not under the direct control or ownership of the Owner or Operator.
 - All the storm water controls will be from contractor.
- 31. Existing and proposed permanent storm water management facilities, including areas proposed for stormwater infiltration or subsurface detention.
 - No existing or proposed permanent storm water management facilities exist on the project site.
- 33. Retaining walls (not to be located in County ROW unless approved via license agreement). Design by P.E. and building permit from Regional Building Department required for walls greater than or equal to 4 feet in height, series of walls, or walls supporting a surcharge.
 - Project does not have retaining walls.
- 35. Engineer's Statement (for standalone GEC Plan)
 - Included in Construction Drawing and GEC Plan Set
- 35. Owner's Statement (for standalone GEC Plan)
 - Included in Construction Drawing and GEC Plan Set
- 35. El Paso County (standalone GEC Plan)
 - Included on title page of overall Construction Drawings

- 1. Soils report / geotechnical investigation as appropriate for grading/utilities/drainage/road construction.
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.
- 2. Use Agreement/easement between the Owner or Operator and other third party for use of all offsite grading or stormwater control measures, used by the owner or operator but not under their direct control or ownership.
 - All offsite grading and storm water controls will be from contractor.
- 3. Floodplain Development Permit issued by the agency having jurisdiction.
 - Development will not occur within a floodplain.
- 4. United States Army Corp. of Engineers 404/wetlands permit/mitigation plan
 - Development will not occur within a wetland.
- 5. Federal Emergency Management Agency Conditional Letter of Map Revision
 - Development will not occur within a floodplain.
- 6. State Engineer's permit/Notice Of Intent to Construct
 - Well permitting not relevant to project.
- 10. Pre-Development Site Grading Acknowledgement and Right of Access Form (signed by the applicant/owner)
 - Pre-development site grading not occurring on project site.
- The following standard El Paso County Grading and Erosion Control Plan Notes shall be included, as applicable:
 - 14. During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.
 - Dewatering will not be required for this project.
 - 15. Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.
 - No existing or proposed slopes are designed be steeper than 3:1.
 - 28. The soils report for this site has been prepared by _____ and shall be considered a part of these plans.
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.



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1	Title Sheet which includes:			
	Sheet index		✓	
	Project title		✓	
	Vicinity map		✓	
	General project layout map (show and label benchmark locations here and on street plans)		✓	
	Design engineer's statement		✓	
	Owner/developer's statement		✓	
	El Paso County signature block		✓	
	Planning and Community Development file number at lower right		N/A	
	Project benchmark (NAVD88)		✓	
	Basis of bearing		✓	
	Other applicable jurisdiction/utility signature blocks		✓	
	List of governing agencies, owner, engineer, architect with contact information		✓	
2	EPC standard construction notes		✓	
3	Details sheet(s) as needed		✓	
4	Vicinity map showing the subdivision in relation to section lines and existing or proposed arterial or collector roadways.		✓	
5	Adjacent city/town/jurisdictional boundaries, subdivision names, and property parcel numbers labeled		✓	
6	North arrow and acceptable scale (1"=20' to 1"=100')		✓	
7	Legend for all symbols used in the plan		✓	
8	Existing and proposed property lines. Proposed subdivision boundary for subdivision projects.		✓	
9	All existing structures		✓	
10	All existing utilities		✓	
11	Construction site boundaries		✓	
12	Existing vegetation (notes are acceptable in cases where there is no notable vegetation, only grasses/weeds, or site has already been stripped).		✓	
13	FEMA 100-yr floodplain		✓	
14	Existing and proposed water courses including springs, streams, wetlands, detention ponds, stormwater quality structures, roadside ditches, irrigation ditches and other water surfaces. Show maintenance of pre-existing vegetation within 50 feet of a receiving water.		✓	
15	Existing and proposed contours 2 feet or less (except for hillside)		✓	



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16	Limits of disturbance delineating all anticipated areas of soil disturbance	✓	
17	Identify and protect areas outside of the construction site boundary with existing fencing, construction fencing or other methods as appropriate.	✓	
18	Offsite grading clearly shown and called out	✓	
19	Areas of cut and fill identified	✓	
20	Conclusions from soils/geotechnical report and geologic hazards report incorporated in grading design (slopes, embankments, materials, mitigation, etc.)	N/A	
21	Proposed slopes steeper than 3:1 with top and toe of slope delineated. Erosion control blanketing or other protective covering required.	N/A	
22	Stormwater flow direction arrows	✓	
23	Location of any dedicated asphalt / concrete batch plants	N/A	
24	Areas used for staging, storage of building materials, soils (stockpiles) or wastes. The use of construction office trailers requires PCD permitting.	✓	
25	All proposed temporary construction control measures, structural and non-structural. Temporary construction control measures shall be identified by phase of implementation to include "initial," "interim," and "final" or shown on separate phased maps identifying each phase.	✓	
26	Vehicle tracking provided at all construction entrances/exits. Construction fencing, barricades, and/or signage provided at access points not to be used for construction.	✓	
27	Temporary sediment ponds provided for disturbed drainage areas greater than 1 acre.	N/A	
28	Dewatering operations to include locations of diversion, pump and discharge(s) as anticipated at time of design.	N/A	
29	All proposed temporary construction control measure details. Custom or other jurisdiction's details used must meet or exceed EPC standards.	✓	
30	Any offsite stormwater control measure proposed for use by the project and not under the direct control or ownership of the Owner or Operator.	N/A	
31	Existing and proposed permanent storm water management facilities, including areas proposed for stormwater infiltration or subsurface detention.	N/A	
32	Existing and proposed easements (permanent and construction) including required off site easements.	✓	
33	Retaining walls (not to be located in County ROW unless approved via license agreement). Design by P.E. and building permit from Regional Building Department required for walls greater than or equal to 4 feet in height, series of walls, or walls supporting a surcharge.	N/A	
34	Plan certified by a Colorado Registered P.E., with EPC standard signature blocks for Engineer, Owner and EPC.	✓	
35	The following engineering statements shall be added, as applicable:		
	<p>Engineer's Statement (for standalone GEC Plan): This Grading and Erosion Control Plan was prepared under my direction and supervision and is correct to the best of my knowledge and belief. Said Plan has been prepared according to the criteria established by the County for Grading and Erosion Control Plans. I accept responsibility for any liability caused by any negligent acts, errors or omissions on my part in preparing this plan.</p> <p>_____ Date _____ Engineer of Record Signature</p>	N/A	



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9	Erosion and Stormwater Quality Control Permit (ESQCP) (signed by the applicant/owner)	✓	
10	Pre-Development Site Grading Acknowledgement and Right of Access Form (signed by the applicant/owner)	N/A	
11	Documentation to support that all applicable Conditions of Approval have been met.	TBD	



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2	Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations from regulations and standards must be requested, and approved, in writing.	✓	
3	A separate Stormwater Management Plan (SMWP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction. Management of the SWMP during construction is the responsibility of the designated Qualified Stormwater Manager or Certified Erosion Control Inspector. The SWMP shall be located on site at all times during construction and shall be kept up to date with work progress and changes in the field.	✓	
4	Once the ESQCP is approved and a "Notice to Proceed" has been issued, the contractor may install the initial stage erosion and sediment control measures as indicated on the approved GEC. A Preconstruction Meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility of the applicant to coordinate the meeting time and place with County staff.	✓	
5	Control measures must be installed prior to commencement of activities that could contribute pollutants to stormwater. control measures for all slopes, channels, ditches, and disturbed land areas shall be installed immediately upon completion of the disturbance.	✓	
6	All temporary sediment and erosion control measures shall be maintained and remain in effective operating condition until permanent soil erosion control measures are implemented and final stabilization is established. All persons engaged in land disturbance activities shall assess the adequacy of control measures at the site and identify if changes to those control measures are needed to ensure the continued effective performance of the control measures. All changes to temporary sediment and erosion control measures must be incorporated into the Stormwater Management Plan.	✓	
7	Temporary stabilization shall be implemented on disturbed areas and stockpiles where ground disturbing construction activity has permanently ceased or temporarily ceased for longer than 14 days.	✓	
8	Final stabilization must be implemented at all applicable construction sites. Final stabilization is achieved when all ground disturbing activities are complete and all disturbed areas either have a uniform vegetative cover with individual plant density of 70 percent of pre-disturbance levels established or equivalent permanent alternative stabilization method is implemented. All temporary sediment and erosion control measures shall be removed upon final stabilization and before permit closure.	✓	
9	All permanent stormwater management facilities shall be installed as designed in the approved plans. Any proposed changes that effect the design or function of permanent stormwater management structures must be approved by the ECM Administrator prior to implementation.	✓	
10	Earth disturbances shall be conducted in such a manner so as to effectively minimize accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time. Pre-existing vegetation shall be protected and maintained within 50 horizontal feet of a waters of the state unless shown to be infeasible and specifically requested and approved.	✓	
11	Compaction of soil must be prevented in areas designated for infiltration control measures or where final stabilization will be achieved by vegetative cover. Areas designated for infiltration control measures shall also be protected from sedimentation during construction until final stabilization is achieved. If compaction prevention is not feasible due to site constraints, all areas designated for infiltration and vegetation control measures must be loosened prior to installation of the control measure(s).	✓	



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14	During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.	N/A	
15	Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.	N/A	
16	Contractor shall be responsible for the removal of all wastes from the construction site for disposal in accordance with local and State regulatory requirements. No construction debris, tree slash, building material wastes or unused building materials shall be buried, dumped, or discharged at the site.	✓	
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24	Owner/developer and their agents shall comply with the "Colorado Water Quality Control Act" (Title 25, Article 8, CRS), and the "Clean Water Act" (33 USC 1344), in addition to the requirements of the Land Development Code, DCM Volume II and the ECM Appendix I. All appropriate permits must be obtained by the contractor prior to construction (1041, NPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirements and other laws, rules, or regulations of other Federal, State, local, or County agencies, the most restrictive laws, rules, or regulations shall apply.	✓	
25	All construction traffic must enter/exit the site only at approved construction access points.	✓	
26	Prior to construction the permittee shall verify the location of existing utilities.	✓	
27	A water source shall be available on site during earthwork operations and shall be utilized as required to minimize dust from earthwork equipment and wind.	✓	
28	The soils report for this site has been prepared by _____ and shall be considered a part of these plans.	N/A	



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EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT

GRADING AND EROSION CONTROL PLAN CHECKLIST

Revised: January 2022

29	<p>At least ten (10) days prior to the anticipated start of construction, for projects that will disturb one (1) acre or more, the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this Grading and Erosion Control Plan may be a part. For information or application materials contact:</p> <p>Colorado Department of Public Health and Environment Water Quality Control Division WQCD – Permits 4300 Cherry Creek Drive South Denver, CO 80246-1530 Attn: Permits Unit</p>	✓	
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GEC Checklist Notes

Grandview Reserve – Interceptor Sewer

The following list the statements that were listed as N/A in the GEC Checklist followed by the reason for the N/A:

- 1. Planning and Community Development file number at lower right
 - To be provided by El Paso County after first submittal
- 20. Conclusions from soils/geotechnical report and geologic hazards report incorporated in grading design (slopes, embankments, materials, mitigation, etc.)
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.
- 21. Proposed slopes steeper than 3:1 with top and toe of slope delineated. Erosion control blanketing or other protective covering required.
 - No proposed or existing slopes were steeper than 3:1.
- 23. Location of any dedicated asphalt / concrete batch plants
 - Project site does not require asphalt / concrete batch plants.
- 27. Temporary sediment ponds provided for disturbed drainage areas greater than 1 acre.
 - Project is linear; therefore, temporary sediment ponds cannot be properly applied.
- 28. Dewatering operations to include locations of diversion, pump and discharge(s) as anticipated at time of design.
 - Dewater operations will not be required for this project.
- 30. Any offsite stormwater control measure proposed for use by the project and not under the direct control or ownership of the Owner or Operator.
 - All the storm water controls will be from the contractor.
- 31. Existing and proposed permanent storm water management facilities, including areas proposed for stormwater infiltration or subsurface detention.
 - No existing or proposed permanent storm water management facilities exist on the project site.
- 33. Retaining walls (not to be located in County ROW unless approved via license agreement). Design by P.E. and building permit from Regional Building Department required for walls greater than or equal to 4 feet in height, series of walls, or walls supporting a surcharge.
 - Project does not have retaining walls.
- 35. Engineer's Statement (for standalone GEC Plan)
 - Included in Construction Drawing and GEC Plan Set
- 35. Owner's Statement (for standalone GEC Plan)
 - Included in Construction Drawing and GEC Plan Set
- 35. El Paso County (standalone GEC Plan)
 - Included on title page of overall Construction Drawings

- 1. Soils report / geotechnical investigation as appropriate for grading/utilities/drainage/road construction.
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.
- 2. Use Agreement/easement between the Owner or Operator and other third party for use of all offsite grading or stormwater control measures, used by the owner or operator but not under their direct control or ownership.
 - All offsite grading and storm water controls will be from the contractor.
- 3. Floodplain Development Permit issued by the agency having jurisdiction.
 - Development will not occur within a floodplain.
- 4. United States Army Corp. of Engineers 404/wetlands permit/mitigation plan
 - Development will not occur within a wetland.
- 5. Federal Emergency Management Agency Conditional Letter of Map Revision
 - Development will not occur within a floodplain.
- 6. State Engineer's permit/Notice Of Intent to Construct
 - Well permitting not relevant to project.
- 10. Pre-Development Site Grading Acknowledgement and Right of Access Form (signed by the applicant/owner)
 - Pre-development site grading not occurring on project site.
- The following standard El Paso County Grading and Erosion Control Plan Notes shall be included, as applicable:
 - 14. During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.
 - Dewatering will not be required for this project.
 - 15. Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.
 - No existing or proposed slopes are designed be steeper than 3:1.
 - 28. The soils report for this site has been prepared by _____ and shall be considered a part of these plans.
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.



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GRADING AND EROSION CONTROL PLAN CHECKLIST

Revised: January 2022

GRADING AND EROSION CONTROL PLAN			Applicant	PCD
<p>The intent of the GEC Plan is to provide for overall subdivision or development grading design as part of the engineering required for review and approval by the County. This plan is done at the time subdivision or development construction drawings are prepared by the Professional Engineer working for the developer. This is complex work whereby cuts and fills are analyzed for balance, slopes and contours are proposed as an integral part of the engineering design. A second important use of the GEC Plan is to estimate the cost of the overall grading, erosion control measures known as Best Management Practices (BMPs), and ultimate site stabilization. The County subdivision regulations require that collateral for these activities be posted prior to any land disturbing activity. The GEC Plan is therefore important to be completed and approved at the time of subdivision construction drawing approval so that these costs can be accurately estimated and included with the required subdivision collateral.</p>				
NOTE: Please confirm each item below has been included by placing a check mark in the "Applicant" column. See right for an example. The "PCD" column is for office use only.			✓	Office use only
1	Title Sheet which includes:			
	Sheet index		✓	
	Project title		✓	
	Vicinity map		✓	
	General project layout map (show and label benchmark locations here and on street plans)		✓	
	Design engineer's statement		✓	
	Owner/developer's statement		✓	
	El Paso County signature block		✓	
	Planning and Community Development file number at lower right		N/A	
	Project benchmark (NAVD88)		✓	
	Basis of bearing		✓	
	Other applicable jurisdiction/utility signature blocks		✓	
	List of governing agencies, owner, engineer, architect with contact information		✓	
2	EPC standard construction notes		✓	
3	Details sheet(s) as needed		✓	
4	Vicinity map showing the subdivision in relation to section lines and existing or proposed arterial or collector roadways.		✓	
5	Adjacent city/town/jurisdictional boundaries, subdivision names, and property parcel numbers labeled		✓	
6	North arrow and acceptable scale (1"=20' to 1"=100')		✓	
7	Legend for all symbols used in the plan		✓	
8	Existing and proposed property lines. Proposed subdivision boundary for subdivision projects.		✓	
9	All existing structures		✓	
10	All existing utilities		✓	
11	Construction site boundaries		✓	
12	Existing vegetation (notes are acceptable in cases where there is no notable vegetation, only grasses/weeds, or site has already been stripped).		✓	
13	FEMA 100-yr floodplain		✓	
14	Existing and proposed water courses including springs, streams, wetlands, detention ponds, stormwater quality structures, roadside ditches, irrigation ditches and other water surfaces. Show maintenance of pre-existing vegetation within 50 feet of a receiving water.		N/A	
15	Existing and proposed contours 2 feet or less (except for hillside)		✓	



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9	Erosion and Stormwater Quality Control Permit (ESQCP) (signed by the applicant/owner)	✓	
10	Pre-Development Site Grading Acknowledgement and Right of Access Form (signed by the applicant/owner)	N/A	
11	Documentation to support that all applicable Conditions of Approval have been met.	N/A	



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Revised: January 2022

The following standard El Paso County Grading and Erosion Control Plan Notes shall be included, as applicable:			
1	Stormwater discharges from construction sites shall not cause or threaten to cause pollution, contamination, or degradation of State Waters. All work and earth disturbance shall be done in a manner that minimizes pollution of any on-site or off-site waters, including wetlands.	✓	
2	Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations from regulations and standards must be requested, and approved, in writing.	✓	
3	A separate Stormwater Management Plan (SMWP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction. Management of the SWMP during construction is the responsibility of the designated Qualified Stormwater Manager or Certified Erosion Control Inspector. The SWMP shall be located on site at all times during construction and shall be kept up to date with work progress and changes in the field.	✓	
4	Once the ESQCP is approved and a "Notice to Proceed" has been issued, the contractor may install the initial stage erosion and sediment control measures as indicated on the approved GEC. A Preconstruction Meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility of the applicant to coordinate the meeting time and place with County staff.	✓	
5	Control measures must be installed prior to commencement of activities that could contribute pollutants to stormwater. control measures for all slopes, channels, ditches, and disturbed land areas shall be installed immediately upon completion of the disturbance.	✓	
6	All temporary sediment and erosion control measures shall be maintained and remain in effective operating condition until permanent soil erosion control measures are implemented and final stabilization is established. All persons engaged in land disturbance activities shall assess the adequacy of control measures at the site and identify if changes to those control measures are needed to ensure the continued effective performance of the control measures. All changes to temporary sediment and erosion control measures must be incorporated into the Stormwater Management Plan.	✓	
7	Temporary stabilization shall be implemented on disturbed areas and stockpiles where ground disturbing construction activity has permanently ceased or temporarily ceased for longer than 14 days.	✓	
8	Final stabilization must be implemented at all applicable construction sites. Final stabilization is achieved when all ground disturbing activities are complete and all disturbed areas either have a uniform vegetative cover with individual plant density of 70 percent of pre-disturbance levels established or equivalent permanent alternative stabilization method is implemented. All temporary sediment and erosion control measures shall be removed upon final stabilization and before permit closure.	✓	
9	All permanent stormwater management facilities shall be installed as designed in the approved plans. Any proposed changes that effect the design or function of permanent stormwater management structures must be approved by the ECM Administrator prior to implementation.	✓	
10	Earth disturbances shall be conducted in such a manner so as to effectively minimize accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time. Pre-existing vegetation shall be protected and maintained within 50 horizontal feet of a waters of the state unless shown to be infeasible and specifically requested and approved.	✓	
11	Compaction of soil must be prevented in areas designated for infiltration control measures or where final stabilization will be achieved by vegetative cover. Areas designated for infiltration control measures shall also be protected from sedimentation during construction until final stabilization is achieved. If compaction prevention is not feasible due to site constraints, all areas designated for infiltration and vegetation control measures must be loosened prior to installation of the control measure(s).	✓	



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12	Any temporary or permanent facility designed and constructed for the conveyance of stormwater around, through, or from the earth disturbance area shall be a stabilized conveyance designed to minimize erosion and the discharge of sediment off site.	✓	
13	Concrete wash water shall be contained and disposed of in accordance with the SWMP. No wash water shall be discharged to or allowed to enter State Waters, including any surface or subsurface storm drainage system or facilities. Concrete washouts shall not be located in an area where shallow groundwater may be present, or within 50 feet of a surface water body, creek or stream.	✓	
14	During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.	N/A	
15	Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.	N/A	
16	Contractor shall be responsible for the removal of all wastes from the construction site for disposal in accordance with local and State regulatory requirements. No construction debris, tree slash, building material wastes or unused building materials shall be buried, dumped, or discharged at the site.	✓	
17	Waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. control measures may be required by El Paso County Engineering if deemed necessary, based on specific conditions and circumstances.	✓	
18	Tracking of soils and construction debris off-site shall be minimized. Materials tracked off-site shall be cleaned up and properly disposed of immediately.	✓	
19	The owner/developer shall be responsible for the removal of all construction debris, dirt, trash, rock, sediment, soil, and sand that may accumulate in roads, storm drains and other drainage conveyance systems and stormwater appurtenances as a result of site development.	✓	
20	The quantity of materials stored on the project site shall be limited, as much as practical, to that quantity required to perform the work in an orderly sequence. All materials stored on-site shall be stored in a neat, orderly manner, in their original containers, with original manufacturer's labels.	✓	
21	No chemical(s) having the potential to be released in stormwater are to be stored or used onsite unless permission for the use of such chemical(s) is granted in writing by the ECM Administrator. In granting approval for the use of such chemical(s), special conditions and monitoring may be required.	✓	
22	Bulk storage of allowed petroleum products or other allowed liquid chemicals in excess of 55 gallons shall require adequate secondary containment protection to contain all spills onsite and to prevent any spilled materials from entering State Waters, any surface or subsurface storm drainage system or other facilities.	✓	
23	No person shall cause the impediment of stormwater flow in the curb and gutter or ditch except with approved sediment control measures.	✓	
24	Owner/developer and their agents shall comply with the "Colorado Water Quality Control Act" (Title 25, Article 8, CRS), and the "Clean Water Act" (33 USC 1344), in addition to the requirements of the Land Development Code, DCM Volume II and the ECM Appendix I. All appropriate permits must be obtained by the contractor prior to construction (1041, NPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirements and other laws, rules, or regulations of other Federal, State, local, or County agencies, the most restrictive laws, rules, or regulations shall apply.	✓	
25	All construction traffic must enter/exit the site only at approved construction access points.	✓	
26	Prior to construction the permittee shall verify the location of existing utilities.	✓	
27	A water source shall be available on site during earthwork operations and shall be utilized as required to minimize dust from earthwork equipment and wind.	✓	
28	The soils report for this site has been prepared by _____ and shall be considered a part of these plans.	N/A	



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29	<p>At least ten (10) days prior to the anticipated start of construction, for projects that will disturb one (1) acre or more, the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this Grading and Erosion Control Plan may be a part. For information or application materials contact:</p> <p>Colorado Department of Public Health and Environment Water Quality Control Division WQCD – Permits 4300 Cherry Creek Drive South Denver, CO 80246-1530 Attn: Permits Unit</p>	✓	
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GEC Checklist Notes

Grandview Reserve – Sanitary Lift Station

The following list the statements that were listed as N/A in the GEC Checklist followed by the reason for the N/A:

- 1. Planning and Community Development file number at lower right
 - To be provided by El Paso County after first submittal
- 14. Existing and proposed water courses including springs, streams, wetlands, detention ponds, stormwater quality structures, roadside ditches, irrigation ditches and other water surfaces. Show maintenance of pre-existing vegetation within 50 feet of a receiving water.
 - Project does not interact with existing or proposed springs, detention ponds, stormwater quality structures, etc.
- 20. Conclusions from soils/geotechnical report and geologic hazards report incorporated in grading design (slopes, embankments, materials, mitigation, etc.)
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.
- 21. Proposed slopes steeper than 3:1 with top and toe of slope delineated. Erosion control blanketing or other protective covering required.
 - No proposed or existing slopes were steeper than 3:1.
- 23. Location of any dedicated asphalt / concrete batch plants
 - Project site does not require asphalt / concrete batch plants.
- 28. Dewatering operations to include locations of diversion, pump and discharge(s) as anticipated at time of design.
 - Dewater operations will not be required for this project.
- 30. Any offsite stormwater control measure proposed for use by the project and not under the direct control or ownership of the Owner or Operator.
 - All the storm water controls will be from the contractor.
- 31. Existing and proposed permanent storm water management facilities, including areas proposed for stormwater infiltration or subsurface detention.
 - No existing or proposed permanent storm water management facilities exist on the project site.
- 32. Existing and proposed easements (permanent and construction) including required off site easements.
 - All land will be assumed by the Grandview Reserve Development.
- 33. Retaining walls (not to be located in County ROW unless approved via license agreement). Design by P.E. and building permit from Regional Building Department required for walls greater than or equal to 4 feet in height, series of walls, or walls supporting a surcharge.
 - Project does not have retaining walls.
- 35. Engineer's Statement (for standalone GEC Plan)
 - Included in Construction Drawing and GEC Plan Set

- 35. Owner's Statement (for standalone GEC Plan)
 - Included in Construction Drawing and GEC Plan Set
- 35. El Paso County (standalone GEC Plan)
 - Included on title page of overall Construction Drawings
- 2. Use Agreement/easement between the Owner or Operator and other third party for use of all offsite grading or stormwater control measures, used by the owner or operator but not under their direct control or ownership.
 - All offsite grading and storm water controls will be from the contractor.
- 3. Floodplain Development Permit issued by the agency having jurisdiction.
 - Development will not occur within a floodplain.
- 4. United States Army Corp. of Engineers 404/wetlands permit/mitigation plan
 - Development will not occur within a wetland.
- 5. Federal Emergency Management Agency Conditional Letter of Map Revision
 - Development will not occur within a floodplain.
- 6. State Engineer's permit/Notice Of Intent to Construct
 - Well permitting not relevant to project.
- 10. Pre-Development Site Grading Acknowledgement and Right of Access Form (signed by the applicant/owner)
 - Pre-development site grading not occurring on project site.
- The following standard El Paso County Grading and Erosion Control Plan Notes shall be included, as applicable:
 - 14. During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.
 - Dewatering will not be required for this project.
 - 15. Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.
 - No existing or proposed slopes are designed be steeper than 3:1.
 - 28. The soils report for this site has been prepared by _____ and shall be considered a part of these plans.
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.

The following is the explanation of the note as seen in the GEC checklist:

- 1. Soils report / geotechnical investigation as appropriate for grading/utilities/drainage/road construction.
 - Soil /geotechnical report completed by Saddlehorn Development - Filing 3, see drainage report for more details.



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GRADING AND EROSION CONTROL PLAN CHECKLIST

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GRADING AND EROSION CONTROL PLAN		
<p>The intent of the GEC Plan is to provide for overall subdivision or development grading design as part of the engineering required for review and approval by the County. This plan is done at the time subdivision or development construction drawings are prepared by the Professional Engineer working for the developer. This is complex work whereby cuts and fills are analyzed for balance, slopes and contours are proposed as an integral part of the engineering design. A second important use of the GEC Plan is to estimate the cost of the overall grading, erosion control measures known as Best Management Practices (BMPs), and ultimate site stabilization. The County subdivision regulations require that collateral for these activities be posted prior to any land disturbing activity. The GEC Plan is therefore important to be completed and approved at the time of subdivision construction drawing approval so that these costs can be accurately estimated and included with the required subdivision collateral.</p>		
		Applicant PCD
NOTE: Please confirm each item below has been included by placing a check mark in the "Applicant" column. See right for an example. The "PCD" column is for office use only.		✓ Office use only
1	Title Sheet which includes:	
	Sheet index	✓
	Project title	✓
	Vicinity map	✓
	General project layout map (show and label benchmark locations here and on street plans)	✓
	Design engineer's statement	✓
	Owner/developer's statement	✓
	El Paso County signature block	✓
	Planning and Community Development file number at lower right	N/A
	Project benchmark (NAVD88)	✓
	Basis of bearing	✓
	Other applicable jurisdiction/utility signature blocks	✓
	List of governing agencies, owner, engineer, architect with contact information	✓
2	EPC standard construction notes	✓
3	Details sheet(s) as needed	✓
4	Vicinity map showing the subdivision in relation to section lines and existing or proposed arterial or collector roadways.	✓
5	Adjacent city/town/jurisdictional boundaries, subdivision names, and property parcel numbers labeled	✓
6	North arrow and acceptable scale (1"=20' to 1"=100')	✓
7	Legend for all symbols used in the plan	✓
8	Existing and proposed property lines. Proposed subdivision boundary for subdivision projects.	✓
9	All existing structures	✓
10	All existing utilities	✓
11	Construction site boundaries	✓
12	Existing vegetation (notes are acceptable in cases where there is no notable vegetation, only grasses/weeds, or site has already been stripped).	✓
13	FEMA 100-yr floodplain	✓
14	Existing and proposed water courses including springs, streams, wetlands, detention ponds, stormwater quality structures, roadside ditches, irrigation ditches and other water surfaces. Show maintenance of pre-existing vegetation within 50 feet of a receiving water.	✓
15	Existing and proposed contours 2 feet or less (except for hillside)	✓



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9	Erosion and Stormwater Quality Control Permit (ESQCP) (signed by the applicant/owner)	✓	
10	Pre-Development Site Grading Acknowledgement and Right of Access Form (signed by the applicant/owner)	N/A	
11	Documentation to support that all applicable Conditions of Approval have been met.	N/A	



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The following standard El Paso County Grading and Erosion Control Plan Notes shall be included, as applicable:			
1	Stormwater discharges from construction sites shall not cause or threaten to cause pollution, contamination, or degradation of State Waters. All work and earth disturbance shall be done in a manner that minimizes pollution of any on-site or off-site waters, including wetlands.	✓	
2	Notwithstanding anything depicted in these plans in words or graphic representation, all design and construction related to roads, storm drainage and erosion control shall conform to the standards and requirements of the most recent version of the relevant adopted El Paso County standards, including the Land Development Code, the Engineering Criteria Manual, the Drainage Criteria Manual, and the Drainage Criteria Manual Volume 2. Any deviations from regulations and standards must be requested, and approved, in writing.	✓	
3	A separate Stormwater Management Plan (SMWP) for this project shall be completed and an Erosion and Stormwater Quality Control Permit (ESQCP) issued prior to commencing construction. Management of the SWMP during construction is the responsibility of the designated Qualified Stormwater Manager or Certified Erosion Control Inspector. The SWMP shall be located on site at all times during construction and shall be kept up to date with work progress and changes in the field.	✓	
4	Once the ESQCP is approved and a "Notice to Proceed" has been issued, the contractor may install the initial stage erosion and sediment control measures as indicated on the approved GEC. A Preconstruction Meeting between the contractor, engineer, and El Paso County will be held prior to any construction. It is the responsibility of the applicant to coordinate the meeting time and place with County staff.	✓	
5	Control measures must be installed prior to commencement of activities that could contribute pollutants to stormwater. control measures for all slopes, channels, ditches, and disturbed land areas shall be installed immediately upon completion of the disturbance.	✓	
6	All temporary sediment and erosion control measures shall be maintained and remain in effective operating condition until permanent soil erosion control measures are implemented and final stabilization is established. All persons engaged in land disturbance activities shall assess the adequacy of control measures at the site and identify if changes to those control measures are needed to ensure the continued effective performance of the control measures. All changes to temporary sediment and erosion control measures must be incorporated into the Stormwater Management Plan.	✓	
7	Temporary stabilization shall be implemented on disturbed areas and stockpiles where ground disturbing construction activity has permanently ceased or temporarily ceased for longer than 14 days.	✓	
8	Final stabilization must be implemented at all applicable construction sites. Final stabilization is achieved when all ground disturbing activities are complete and all disturbed areas either have a uniform vegetative cover with individual plant density of 70 percent of pre-disturbance levels established or equivalent permanent alternative stabilization method is implemented. All temporary sediment and erosion control measures shall be removed upon final stabilization and before permit closure.	✓	
9	All permanent stormwater management facilities shall be installed as designed in the approved plans. Any proposed changes that effect the design or function of permanent stormwater management structures must be approved by the ECM Administrator prior to implementation.	✓	
10	Earth disturbances shall be conducted in such a manner so as to effectively minimize accelerated soil erosion and resulting sedimentation. All disturbances shall be designed, constructed, and completed so that the exposed area of any disturbed land shall be limited to the shortest practical period of time. Pre-existing vegetation shall be protected and maintained within 50 horizontal feet of a waters of the state unless shown to be infeasible and specifically requested and approved.	✓	
11	Compaction of soil must be prevented in areas designated for infiltration control measures or where final stabilization will be achieved by vegetative cover. Areas designated for infiltration control measures shall also be protected from sedimentation during construction until final stabilization is achieved. If compaction prevention is not feasible due to site constraints, all areas designated for infiltration and vegetation control measures must be loosened prior to installation of the control measure(s).	✓	



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12	Any temporary or permanent facility designed and constructed for the conveyance of stormwater around, through, or from the earth disturbance area shall be a stabilized conveyance designed to minimize erosion and the discharge of sediment off site.	✓	
13	Concrete wash water shall be contained and disposed of in accordance with the SWMP. No wash water shall be discharged to or allowed to enter State Waters, including any surface or subsurface storm drainage system or facilities. Concrete washouts shall not be located in an area where shallow groundwater may be present, or within 50 feet of a surface water body, creek or stream.	✓	
14	During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.	N/A	
15	Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.	N/A	
16	Contractor shall be responsible for the removal of all wastes from the construction site for disposal in accordance with local and State regulatory requirements. No construction debris, tree slash, building material wastes or unused building materials shall be buried, dumped, or discharged at the site.	✓	
17	Waste materials shall not be temporarily placed or stored in the street, alley, or other public way, unless in accordance with an approved Traffic Control Plan. control measures may be required by El Paso County Engineering if deemed necessary, based on specific conditions and circumstances.	✓	
18	Tracking of soils and construction debris off-site shall be minimized. Materials tracked off-site shall be cleaned up and properly disposed of immediately.	✓	
19	The owner/developer shall be responsible for the removal of all construction debris, dirt, trash, rock, sediment, soil, and sand that may accumulate in roads, storm drains and other drainage conveyance systems and stormwater appurtenances as a result of site development.	✓	
20	The quantity of materials stored on the project site shall be limited, as much as practical, to that quantity required to perform the work in an orderly sequence. All materials stored on-site shall be stored in a neat, orderly manner, in their original containers, with original manufacturer's labels.	✓	
21	No chemical(s) having the potential to be released in stormwater are to be stored or used onsite unless permission for the use of such chemical(s) is granted in writing by the ECM Administrator. In granting approval for the use of such chemical(s), special conditions and monitoring may be required.	✓	
22	Bulk storage of allowed petroleum products or other allowed liquid chemicals in excess of 55 gallons shall require adequate secondary containment protection to contain all spills onsite and to prevent any spilled materials from entering State Waters, any surface or subsurface storm drainage system or other facilities.	✓	
23	No person shall cause the impediment of stormwater flow in the curb and gutter or ditch except with approved sediment control measures.	✓	
24	Owner/developer and their agents shall comply with the "Colorado Water Quality Control Act" (Title 25, Article 8, CRS), and the "Clean Water Act" (33 USC 1344), in addition to the requirements of the Land Development Code, DCM Volume II and the ECM Appendix I. All appropriate permits must be obtained by the contractor prior to construction (1041, NPDES, Floodplain, 404, fugitive dust, etc.). In the event of conflicts between these requirements and other laws, rules, or regulations of other Federal, State, local, or County agencies, the most restrictive laws, rules, or regulations shall apply.	✓	
25	All construction traffic must enter/exit the site only at approved construction access points.	✓	
26	Prior to construction the permittee shall verify the location of existing utilities.	✓	
27	A water source shall be available on site during earthwork operations and shall be utilized as required to minimize dust from earthwork equipment and wind.	✓	
28	The soils report for this site has been prepared by _____ and shall be considered a part of these plans.	N/A	



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EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT

GRADING AND EROSION CONTROL PLAN CHECKLIST

Revised: January 2022

29	<p>At least ten (10) days prior to the anticipated start of construction, for projects that will disturb one (1) acre or more, the owner or operator of construction activity shall submit a permit application for stormwater discharge to the Colorado Department of Public Health and Environment, Water Quality Division. The application contains certification of completion of a stormwater management plan (SWMP), of which this Grading and Erosion Control Plan may be a part. For information or application materials contact:</p> <p>Colorado Department of Public Health and Environment Water Quality Control Division WQCD – Permits 4300 Cherry Creek Drive South Denver, CO 80246-1530 Attn: Permits Unit</p>	✓	
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GEC Checklist Notes

Grandview Reserve – Onsite Sanitary Sewer

The following list the statements that were listed as N/A in the GEC Checklist followed by the reason for the N/A:

- 1.Planning and Community Development file number at lower right
 - To be provided by El Paso County after first submittal
- 20. Conclusions from soils/geotechnical report and geologic hazards report incorporated in grading design (slopes, embankments, materials, mitigation, etc.)
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.
- 21. Proposed slopes steeper than 3:1 with top and toe of slope delineated. Erosion control blanketing or other protective covering required.
 - No proposed or existing slopes were steeper than 3:1.
- 23. Location of any dedicated asphalt / concrete batch plants
 - Project site does not require asphalt / concrete batch plants.
- 27. Temporary sediment ponds provided for disturbed drainage areas greater than 1 acre.
 - Project is linear; therefore, temporary sediment ponds cannot be properly applied.
- 28. Dewatering operations to include locations of diversion, pump and discharge(s) as anticipated at time of design.
 - Dewater operations will not be required for this project.
- 30. Any offsite stormwater control measure proposed for use by the project and not under the direct control or ownership of the Owner or Operator.
 - All the storm water controls will be from the contractor.
- 31. Existing and proposed permanent storm water management facilities, including areas proposed for stormwater infiltration or subsurface detention.
 - No existing or proposed permanent storm water management facilities exist on the project site.
- 33. Retaining walls (not to be located in County ROW unless approved via license agreement). Design by P.E. and building permit from Regional Building Department required for walls greater than or equal to 4 feet in height, series of walls, or walls supporting a surcharge.
 - Project does not have retaining walls.
- 35. Engineer’s Statement (for standalone GEC Plan)
 - Included in Construction Drawing and GEC Plan Set
- 35. Owner’s Statement (for standalone GEC Plan)
 - Included in Construction Drawing and GEC Plan Set
- 1. Soils report / geotechnical investigation as appropriate for grading/utilities/drainage/road construction.
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.

- 2. Use Agreement/easement between the Owner or Operator and other third party for use of all offsite grading or stormwater control measures, used by the owner or operator but not under their direct control or ownership.
 - All offsite grading and storm water controls will be from the contractor.
- 3. Floodplain Development Permit issued by the agency having jurisdiction.
 - Development will not occur within a floodplain.
- 4. United States Army Corp. of Engineers 404/wetlands permit/mitigation plan
 - Development will not occur within a wetland.
- 5. Federal Emergency Management Agency Conditional Letter of Map Revision
 - Development will not occur within a floodplain.
- 6. State Engineer's permit/Notice Of Intent to Construct
 - Well permitting not relevant to project.
- 10. Pre-Development Site Grading Acknowledgement and Right of Access Form (signed by the applicant/owner)
 - Pre-development site grading not occurring on project site.
- The following standard El Paso County Grading and Erosion Control Plan Notes shall be included, as applicable:
 - 14. During dewatering operations of uncontaminated ground water may be discharged on site, but shall not leave the site in the form of surface runoff unless an approved State dewatering permit is in place.
 - Dewatering will not be required for this project.
 - 15. Erosion control blanketing or other protective covering shall be used on slopes steeper than 3:1.
 - No existing or proposed slopes are designed be steeper than 3:1.
 - 28. The soils report for this site has been prepared by _____ and shall be considered a part of these plans.
 - Proposed grading will not occur on this project. Final grade will be returned to the existing grade condition with existing soil conditions.

The following statements are additional notes for the GEC Checklist:

- 26. Vehicle tracking provided at all construction entrances/exits. Construction fencing, barricades, and/or signage provided at access points not to be used for construction.
 - Construction fencing is present, however, vehicle tracking (VTC) was deemed not necessary due to the project site proximity to a roadway. Vehicles would not be entering or exiting the site from an immediate local roadway.