



# THE VERTICAL RESIDENTIAL TESC PROGRAM WORKSHOP

*Moving from DESC to Vertical TESC*

# REQUIREMENTS DURING THE TRANSITION

RESIDENTIAL DEVELOPMENTS THAT MUST COMPLY WITH THE NEW VERTICAL RESIDENTIAL TESC PERMIT REQUIREMENTS AS OF JANUARY 1, 2020 ARE:

- ALL SITES **WITHOUT** ACTIVE BUILDING PERMITS AS OF JULY 1, 2019
  - ⊗ **NO BUILDING PERMITS WILL BE RELEASED WITHOUT AN APPROVED TESC PLAN AND PERMIT IN PLACE.**
- SITES WITH **5 ACRES OR MORE** OF ACTIVE BUILDING/DESC PERMITTED SITES AND VACANT LOTS REMAINING
  - ✓ THE TOWN **WILL CONTINUE TO ALLOW BUILDING PERMITS** TO BE ISSUED FOR 30 DAYS ONCE THE REQUIRED VERTICAL RESIDENTIAL TESC ITEMS HAVE BEEN SUBMITTED.

# THE (TEMPORARY) EXEMPTION

RESIDENTIAL DEVELOPMENTS WITH **LESS THAN 5 ACRES** TOTAL OF:

- ✓ ACTIVE BUILDING/DESC PERMITTED SITES
- ✓ VACANT LOTS

MAY APPLY FOR A **VERTICAL RESIDENTIAL TESC EXEMPTION** AND CONTINUE WITH COMBINED BUILDING/DESC PERMITS UNTIL THE SITE IS COMPLETED, IF APPROVED.

**PLEASE NOTE:** THIS IS ONLY A TEMPORARY POLICY TO ASSIST BUILDERS DURING THE TRANSITION.

# VERTICAL RESIDENTIAL TESC PERMIT SUBMITTALS

## WHAT DO I NEED TO SUBMIT?

SUBMIT THROUGH DEVELOPMENT SERVICES AT [DEVREVIEW@CRGOV.COM](mailto:DEVREVIEW@CRGOV.COM)

- LAND USE APPLICATION FOR TESC
- ENGINEERED VERTICAL RESIDENTIAL TESC DRAWING AND REPORT
- COST OPINION SPREADSHEET
- VERTICAL RESIDENTIAL DRAWING AND REPORT CHECKLIST
- PLAN REVIEW FEE

ALLOW 3.5 WEEKS FOR FIRST REVIEW. ADDITIONAL SUBMITTALS MAY BE REQUIRED.

ONCE APPROVED, SUBMIT

- COMPLETED PERMIT APPLICATION
- PERMIT FEE
- FISCAL SURETY

# LAND USE APPLICATION

- COMPLETE APPLICATION AND SUBMIT TO [DEVREVIEW@CRGOV.COM](mailto:DEVREVIEW@CRGOV.COM)



PROJECT NAME: \_\_\_\_\_

PROPERTY ADDRESS / GENERAL LOCATION: \_\_\_\_\_

LEGAL DESCRIPTION: \_\_\_\_\_

PROJECT DESCRIPTION: \_\_\_\_\_

STATE PARCEL NO. \_\_\_\_\_

**PLEASE CHECK APPLICATION TYPE:**

<input type="checkbox"/> AGREEMENT	<input type="checkbox"/> PLAT	<input type="checkbox"/> WIRELESS COMMUNICATION FACILITIES
<input type="checkbox"/> ANNEXATION	<input type="checkbox"/> PLAT CORRECTION	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> CONSTRUCTION DOCUMENTS	<input type="checkbox"/> SITE DEVELOPMENT PLAN	_____
<input type="checkbox"/> DOWNTOWN PLACEMAKING VARIANCE	<input type="checkbox"/> SITE DEVELOPMENT PLAN AMENDMENT	_____
<input type="checkbox"/> TESC (EROSION CONTROL)	<input type="checkbox"/> SKETCH PLAN	_____
<input type="checkbox"/> LOT LINE ADJUSTMENT/VACATION	<input type="checkbox"/> STRAIGHT ZONING	_____
<input type="checkbox"/> PLANNED DEVELOPMENT PLAN	<input type="checkbox"/> TEMPORARY USE PERMIT	_____
<input type="checkbox"/> PLANNED DEVELOPMENT PLAN AMENDMENT	<input type="checkbox"/> USE BY SPECIAL REVIEW	_____

**SUMMARY DATA:**

Current Zoning _____	Proposed No. of Lots _____
Acreage _____	Proposed No. of Dwelling Units or Buildings (if Commercial) _____
Current Use _____	Proposed Building Sq.Ft. _____
Pre-Application Meeting Date and Staff Member Name (if known) _____	Additional Info. _____
Proposed Zoning _____	

**PROPERTY OWNER INFORMATION:**

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

Property Owner Signature (Required) \_\_\_\_\_

**REPRESENTATIVE INFORMATION:**

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Email \_\_\_\_\_

Representative Signature (Required) \_\_\_\_\_

Additional names and contact information to send project comments to (e.g., engineer, architect):

Name _____	Name _____
Company _____	Company _____
Email _____	Email _____

*Staff Use Only*

Date Received: _____	Project No. _____
Application Fee: \$ _____ Received: <input type="checkbox"/>	Staff Contact: _____

*Achieving the Community Vision through Excellence, Dedication and Service*

# VERTICAL RESIDENTIAL TESC DRAWING AND REPORT CHECKLIST

## HIGHLIGHTS FOR THE CHECKLIST:

✓ THE VERTICAL RESIDENTIAL DRAWING AND REPORT CHECKLIST IS AVAILABLE AT [CRGOV.COM/TESC](http://CRGOV.COM/TESC) UNDER APPENDIX G.

- CHECKLIST MUST BE COMPLETED AND SIGNED
- MARK EACH ITEM AS COMPLETED OR N/A



Development Services Department  
100 N. Wilcox Street, Castle Rock CO 80104  
Planner of the Day – 303-660-1393

## Temporary Erosion and Sediment Control (TESC) Drawing and Report Checklist—Vertical Residential Only

A complete Temporary Erosion and Sediment Control (TESC) submittal will contain the following information. Please check off the items to ensure that your application is complete. Please submit one (1) electronic copy of each document required. Drawing sets should be 24" x 36". Recommended scales include 20', 50' and 10'. PDF format is preferred.

Pre-Application Meeting Date: \_\_\_\_\_ Project Manager: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

Req'd	Cmp'd	Subm'd	Submittal Checklist
			<b>SUBMITTAL CHECKLIST</b> (completed)
			<b>DEVELOPMENT REVIEW FEE</b> (Amt. Req'd \$ _____ Amt. Rec'd \$ _____)
			<b>PROPERTY OWNER APPROVAL</b> If any work is proposed on land not owned by the applicant, a letter of approval from the landowner is required.
			<b>TESC DRAWINGS</b> containing the initial, interim and final TESC drawings for the site, including Town Standard TESC detail sheets. Cut and fill quantities need to be indicated as well. Please prepare in accordance with the Town's TESC Manual, found online at <a href="http://www.CRgov.com/TESC">http://www.CRgov.com/TESC</a>
			<b>TESC REPORT</b> containing all items listed in the following TESC Report checklist.
			<b>ENGINEER'S TESC COST ESTIMATE</b> using Town standard template, stamped by a Professional Engineer. <a href="http://www.CRgov.com/TESC">http://www.CRgov.com/TESC</a>
			<b>HAUL ROUTE MAP</b> If any material is going to be exported or imported to the site, a Haul Route map must be submitted for Town review and approval. Any import or export sites located within the Town of Castle Rock jurisdiction will require a TESC permit as well, unless the site already has an active permit.
			<b>TECHNICAL CRITERIA VARIANCE</b> Complete a Technical Criteria Variance form with appropriate supporting information describing any proposed deviations from the Technical Design Criteria in the TESC Manual.
			<b>CHECKLISTS</b> Submit any checklist used for Drawing preparation and all reports

A complete set of Temporary Erosion and Sediment Control (TESC) Plans should contain the following information. The specific drawing sheets are listed below in the order they should appear in the Plan set. All TESC plans submitted to the Town of Castle Rock (TCR) for review, comment, and approval shall be prepared by, or under the direct supervision of a Professional Engineer, licensed in the State of Colorado. TESC Plans shall be in accordance with the requirements of the Town of Castle Rock TESC Manual, as amended.

**TESC DRAWING AND REPORT CHECKLIST.** A copy of this TESC Drawing and Report Checklist must be completely filled out, signed by the designer, and submitted with the TESC Plan.

SIGNATURE \_\_\_\_\_  
Registered Professional Engineer

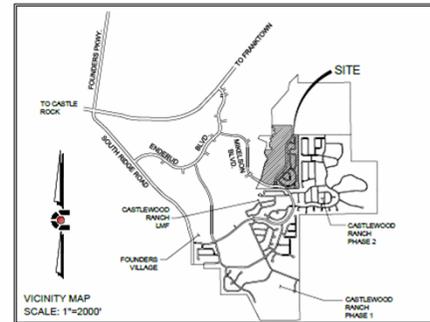
# VERTICAL RESIDENTIAL TESC DRAWING COVER SHEET

## HIGHLIGHTS FOR THE COVER SHEET:

- SAME REQUIREMENTS AS A STANDARD TESC DRAWING:
  - PROJECT NAME
  - VICINITY MAP
  - SHEET INDEX
  - GENERAL NOTES
  - SIGNATURE BLOCK
  - TOWN ACCEPTANCE BLOCK

## TEMPORARY EROSION AND SEDIMENT CONTROL VERTICAL RESIDENTIAL TESC PLAN FOR

TOWN OF CASTLE ROCK, COLORADO  
PROJECT # TESV19-



**SHEET INDEX**  
1- COVER SHEET  
2-2- VERTICAL RESIDENTIAL TESC PLAN  
47- TESC DETAILS

### CONTACTS

OWNER	TOWN OF CASTLE ROCK DEVELOPMENT SERVICES DEPARTMENT 150 NORTH MAIN STREET CASTLE ROCK, CO 80104 PHONE: (303) 733-1000 FAX: (303) 733-1027 SOW@TRC.ROCK.CM SOW@TRC@ROCK.CM
ENGINEER	J. L. LEE TOWN OF CASTLE ROCK CASTLE ROCK WATER 174 MELLOSS COURT CASTLE ROCK, CO 80104 PHONE: (303) 733-1000 FAX: (303) 733-1027
PLANNER/LANDSCAPE ARCHITECT	PUBLIC WORKS TOWN OF CASTLE ROCK PUBLIC WORKS DEPARTMENT 4575 W. GARDEN GLEN COURT CASTLE ROCK, CO 80104 PHONE: (303) 733-1463 FAX: (303) 966-1028

### NOTES

1. ALL REQUIRED STATE AND FEDERAL STORM PERMITS WILL BE OBTAINED PRIOR TO COMMENCING CONSTRUCTION.
2. NO OVERHEAD IRRIGATION PERMITTED ON 3:1 SLOPES.
3. EDC IS REQUIRED ON SLOPES STEEPER THAN 4:1.

### GENERAL NOTE

THE TEMPORARY EROSION & SEDIMENT CONTROL PLAN INCLUDED HEREIN IS ON FILE AT THE TOWN OF CASTLE ROCK AND SUBJECT TO THE APPLICABLE TOWN OF CASTLE ROCK TEMPORARY EROSION AND SEDIMENT CONTROL CRITERIA, AS AMENDED. ADDITIONAL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED, THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE PERMITTEE, UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED OR REVISED.

### TOWN OF CASTLE ROCK TESC NOTES:

1. CONTROL MEASURES INSTALLED PER FINAL TESC DRAWING TRANSFER TO THE PERMITTEE AND SHALL BE LEFT, OR REPLACED, UNTIL REVEGETATION ESTABLISHMENT IS APPROVED BY THE TOWN ON VERTICAL LOT CONSTRUCTION IS COMPLETE.
2. IF LOCATIONS OF VIGIL STOCKPILES, STAGING AREAS AND CONCRETE BENCHING ARE CHANGED DURING CONSTRUCTION, THE PERMITTEE SHALL REVISE THE DRAWING ACCORDINGLY AND MUST SHOW APPROPRIATE CONTROL MEASURES AND EMPLOYED AT ALL TIMES.
3. ALL STRUCTURAL CONTROL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES AND ARE SUBJECT TO INSPECTION AND ENFORCEMENT UNDER THE TESC PERMIT.
4. IF SEDIMENT OR OTHER POLLUTANTS ARE TRACKED, SPILLED, OR WASHED ONTO STREETS, THE PERMITTEE SHALL CLEAN THE STREETS IN ACCORDANCE WITH TOWN APPROVED METHODS, OR AS DIRECTED BY THE STORM WATER INSPECTOR. FAILURE TO CLEAN UP TRACKING OF MATERIAL ONTO STREETS WILL RESULT IN AN IMMEDIATE STOP WORK ORDER.
5. PERMITTEE SHALL NOT STOCKPILE, PLACE OR STORE ON STREETS, SIDEWALKS OR BIWAYS ANY FUEL OILS, GREASE, BATTERIES, AND LIQUIDS OR MATERIALS SUCH AS SOIL, COMPOST, DIRT, ROCK AND WELLS. STOCKPILING OR SUCH MATERIALS TO THE BACK OF A LOT THAT RESULTS IN A BARRIERS FROM ROAD OR SIDE.
6. PERMITTEE SHALL ENSURE THAT ALL CONCRETE WASHOUT AREAS ARE PROPERLY INSTALLED, FORTIFIED AND CLEANED SUCH THAT ALL WASTEWATER IS CONTAINED AND DOES NOT ENTER THE STORM DRAIN SYSTEM. FAILURE TO PROPERLY MAINTAIN CONCRETE WASHOUT AREAS RESULT THAT A STOP WORK ORDER WILL RESULT. A 1/4" TOP WITH UNDER BENCH AND BENCHES IS A BARRIER.
7. PERMITTEE SHALL ENSURE THAT ALL SANITARY FACILITIES ARE PROPERLY SECURED TO THE TOP OF THE DRAINAGE TO PREVENT THE ESCAPE OF LEAKS AND WASTE. FAILURE TO PROPERLY SECURE SANITARY FACILITIES WILL RESULT IN A STOP WORK ORDER.
8. PERMITTEE SHALL ENSURE THAT THE TESC DRAWING REMAINS UPDATED WITH CURRENT FIELD CONDITIONS. FAILURE TO MAINTAIN THE TESC DRAWING MAY RESULT IN A STOP WORK ORDER.
9. REMOVAL OF CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORM WATER INSPECTOR.

### BENCHMARK

THE SOUTH LINE CORNER FOR SECTION 8 S & TOWNSHIP 3 SOUTH RANGE 6E WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING A BEAR WITH 2 1/2" ALUMINUM CAP, STAMPED "73 2887".  
PROJECT BENCHMARK ELEVATION = 8861.18 FEET

### BASIS OF BEARING

THE BEARING BENCH MARKS ARE BASED UPON THE EAST LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 8, TOWNSHIP 3 SOUTH, RANGE 6E WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING ASSIGNED TO BEAR 89° 05' 12" E, FROM THE SOUTH LINE CORNER OF SECTION 8 S & BEING BENCHMARKED BY A BEAR WITH A 2 1/2" ALUMINUM CAP, STAMPED "73 2887" TO THE EAST IN CORNER OF SAID SECTION, BEING BENCHMARKED BY A BEAR WITH A 2 1/2" ALUMINUM CAP, STAMPED "73 2887", WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THEREOF.

THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN INCLUDED HEREIN HAS BEEN PREPARED UNDER THE DIRECT SUPERVISION AND ACCORDANCE WITH THE REQUIREMENTS OF THE TEMPORARY EROSION AND SEDIMENT CONTROL, TESC CRITERIA MANUAL, OF THE TOWN OF CASTLE ROCK, AS AMENDED.

DATE: \_\_\_\_\_ FILE # \_\_\_\_\_

### TOWN OF CASTLE ROCK ACCEPTANCE BLOCK

THESE DRAWINGS HAVE BEEN REVIEWED BY THE TOWN OF CASTLE ROCK FOR TEMPORARY EROSION AND SEDIMENT CONTROL IMPROVEMENTS ONLY.



DATE	BY	REVISION

TOWN OF CASTLE ROCK, DOUGLAS COUNTY  
TEMPORARY EROSION AND SEDIMENT CONTROL PLANS  
COVER SHEET

DESIGNED BY: JLL  
CHECKED BY: JLL  
JOB NO: 18-002  
SHEET 1 OF 2

# VERTICAL RESIDENTIAL TESC DRAWING CHECKLIST

## HIGHLIGHTS FOR THE CHECKLIST:

- MARK EACH ITEM AS COMPLETED OR N/A

## HIGHLIGHTS FOR THE DRAWING:

- GENERALLY REQUIRES A SINGLE TESC PLAN SHEET AND TESC STANDARD NOTES AND DETAILS.
  - NO INITIAL, INTERIM AND FINAL SHEETS.
- INCLUDE BUILDER-OWNED LOTS ONLY
  - EXCLUDE CO'D LOTS FROM PLAN
- LOT-LEVEL CONTROL MEASURES DO NOT NEED TO BE SHOWN AND ARE COVERED IN THE DETAILS
- INCLUDE LOT ADDRESSES

Req'd	Cmpl'd	Subm'd	
<b>VERTICAL RESIDENTIAL TESC DRAWING</b> This drawing is to be prepared in a separate, stand-alone set and shall provide temporary erosion and sediment controls for Vertical Residential Construction following completion of subdivision improvements. Control measures should generally be sufficient to cover construction activities, including over excavation, through the completion of all residential homes. At a minimum, it shall contain:			
<i>The Vertical Residential TESC Drawing shall include all information shown on the Final TESC Drawing, as noted below:</i>			
			1. Only existing Final erosion control measures shall be shown, ( <b>screened</b> ; dimension information shall not be shown) including seeding and mulching, erosion control blanket and perimeter controls.
<i>In addition, the following information shall be shown:</i>			
			2. Cover sheet per Section 3.18.1 (or Page 2 of this checklist).
			3. Topography at one- or two-foot contour intervals.
			4. Directional flow arrows on all drainage features.
			5. Limits of disturbance required for all vertical construction activities
			6. Shade all tracts and lots not owned by the permittee.
			7. New control measures behind back of sidewalk and all abutting open tracts and existing sediment controls that will become the responsibility of the permittee shall be shown in bold.
			8. Location of Staging Area(s), VTCs, Concrete Washout Area(s) and Stockpile Area(s). If these items are intended to be relocated throughout the construction process, show the initial location on the drawing.
			9. Location of other control measures considered by the designer to be appropriate.
			10. Label lot numbers, street addresses and lot grading type (A or B) on each lot. Interior lot control measures do not need to be shown as standard details for A and B lots are provided in the Standard Notes and Details.
			11. The Control Measure Legend from the cover sheet of the Town of Castle Rock Standard Notes and Details.
			12. Include the following notes: <ol style="list-style-type: none"> <li>1. CONTROL MEASURES INSTALLED PER FINAL TESC DRAWING TRANSFER TO THE PERMITTEE AND SHALL BE LEFT, OR REPLACED, UNTIL REVEGETATION ESTABLISHMENT IS APPROVED BY THE TOWN OR VERTICAL LOT CONSTRUCTION IS COMPLETE.</li> <li>2. IF LOCATION(S) OF VTC(S), STOCKPILE(S), STAGING AREA(S) AND CONCRETE WASHOUT AREA(S) CHANGE DURING CONSTRUCTION, THE PERMITTEE SHALL REVISE THE DRAWING ACCORDINGLY AND MUST SHOW APPROPRIATE CONTROL MEASURES IMPLEMENTED AT ALL TIMES.</li> <li>3. ALL STRUCTURAL CONTROL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION AT ALL TIMES AND ARE SUBJECT TO INSPECTION AND ENFORCEMENT UNDER THE TESC PERMIT.</li> <li>4. IF SEDIMENT OR OTHER POLLUTANTS ARE TRACKED, SPILLED, OR WASHED ONTO STREETS, PERMITTEE SHALL CLEAN THE STREETS IN ACCORDANCE WITH TOWN APPROVED METHODS, OR AS DIRECTED BY THE STORMWATER INSPECTOR. FAILURE TO CLEAN UP TRACKING OF MATERIAL ONTO STREETS WILL RESULT IN AN IMMEDIATE STOP WORK ORDER.</li> <li>5. PERMITTEE SHALL NOT STOCKPILE, PLACE OR STORE ON STREETS, SIDEWALKS OR STORM WATER FLOW LINES EARTH MATERIALS AND LANDSCAPE MATERIALS, SUCH AS SOD, COMPOST, DIRT, ROCK AND MULCH. STOCKPILING OF SUCH MATERIALS IN THE RIGHT-OF-WAY MAY RESULT IN AN IMMEDIATE STOP WORK ORDER.</li> <li>6. PERMITTEE SHALL ENSURE THAT ALL CONCRETE WASHOUT AREAS ARE PROPERLY INSTALLED, POSTED AND CLEANED SUCH THAT ALL WASTEWATER IS CONTAINED AND DOES NOT ENTER THE STORM DRAIN SYSTEM. FAILURE TO PROPERLY MAINTAIN CONCRETE WASHOUT AREAS SUCH THAT A DISCHARGE OCCURS WILL RESULT IN A STOP WORK ORDER AND/OR AN IMMEDIATE CLEANUP ORDER.</li> <li>7. PERMITTEE SHALL ENSURE THAT ALL SANITARY FACILITIES ARE PROPERLY SECURED TO THE GROUND TO PREVENT TOPPLING AND DISCHARGE OF LIQUID WASTE. FAILURE TO PROPERLY SECURE SANITARY FACILITIES WILL RESULT IN A VIOLATION.</li> </ol>

- NOTES:**
- CONTROL MEASURES INSTALLED PER FINAL TESC DRAWING TRANSFER TO THE PERMITEE AND SHALL BE LEFT, OR REPLACED, UNTIL REVEGETATION ESTABLISHMENT IS APPROVED BY THE TOWN OR VERTICAL LOT CONSTRUCTION IS COMPLETE.
  - IF LOCATION(S) OF VTC(S), STOCKPILE(S), STAGING AREA(S) PERMITEE ACCORDING TO ALL STRIP MAINTAINING AT ALL TIMES AND ENDS.
  - IF SEDIMENT OR OTHER POLLUTANTS ARE TRACKED, SPILLED, OR WASHED ONTO STREETS, PERMITEE SHALL CLEAN THE STREETS IN ACCORDANCE WITH TOWN APPROVED METHODS, OR AS DIRECTED BY THE STORMWATER INSPECTOR. FAILURE TO CLEAN UP TRACKING OF MATERIAL ONTO STREETS WILL RESULT IN AN IMMEDIATE STOP WORK ORDER.
  - PERMITEE SHALL NOT STOCKPILE, PLACE OR STORE STREETS, SIDEWALKS OR STORMWATER SYSTEMS, EARTH MATERIALS AND MATERIALS.
  - PERMITEE SHALL NOT STOCKPILE, PLACE OR STORE STREETS, SIDEWALKS OR STORMWATER SYSTEMS, EARTH MATERIALS AND MATERIALS.
  - PERMITEE SHALL NOT STOCKPILE, PLACE OR STORE STREETS, SIDEWALKS OR STORMWATER SYSTEMS, EARTH MATERIALS AND MATERIALS.
  - PERMITEE SHALL NOT STOCKPILE, PLACE OR STORE STREETS, SIDEWALKS OR STORMWATER SYSTEMS, EARTH MATERIALS AND MATERIALS.
  - PERMITEE SHALL NOT STOCKPILE, PLACE OR STORE STREETS, SIDEWALKS OR STORMWATER SYSTEMS, EARTH MATERIALS AND MATERIALS.
  - PERMITEE SHALL NOT STOCKPILE, PLACE OR STORE STREETS, SIDEWALKS OR STORMWATER SYSTEMS, EARTH MATERIALS AND MATERIALS.
  - PERMITEE SHALL NOT STOCKPILE, PLACE OR STORE STREETS, SIDEWALKS OR STORMWATER SYSTEMS, EARTH MATERIALS AND MATERIALS.

CWA, SSA, VTC, STOCKPILE AREA

INCLUDE VTESC STANDARD NOTES

LOT TYPE DESIGNATION (A OR B) WITH ADDRESS

SCL SHOWN ALONG BACK OF CURB AND REAR OF LOTS (AS NEEDED)

IP FOR INLETS THAT MAY BE AFFECTED BY CONSTRUCTION

LOTS NOT OWNED BY THE BUILDER ARE SHADED

SCREEN EXISTING CONTROL MEASURES THAT WILL BE PART OF THIS PLAN. REMOVE ALL OTHER INFO FROM ORIGINAL TESC PLAN

LOC ONLY INCLUDES BUILDER-OWNED LOTS

**BMP LEGEND**

	CD	CHECK DAM
	CB	COMPOST BLANKET
	CFB	COMPOST FILTER BERM
	CWA	CONCRETE WASHOUT AREA
	CF	CONSTRUCTION FENCE
	CM	CONSTRUCTION MARKER
	DW	DEWATERING
	DD	DIVERSION DITCH
	ECB	EROSION CONTROL BLANKET
	IP	INLET PROTECTION
	RCD	REINFORCED CHECK DAM
	RRB	REINFORCED ROCK BERM
	RRC	RRB FOR CULVERT PROTECTION
		SEDIMENT BASIN
		SEDIMENT CONTROL LOG
		SEDIMENT TRAP
		SEEDING AND MULCHING
		SILT FENCE
		STABILIZED STAGING AREA
	SR	SURFACE ROUGHENING
	TSD	TEMPORARY SLOPE DRAIN
	TSC	TEMPORARY STREAM CROSSING
	TERR	TERRACING
	VTC	VEHICLE TRACKING CONTROL
	VTC	VTC WITH WHEEL WASH
		ROCK AND RIPRAP GRADATIONS
	LOC	LIMITS OF CONSTRUCTION
	A	A LOT TESC
	B	B LOT TESC
		EXISTING 2' CONTOUR
		EXISTING 10' CONTOUR
		FLOW DIRECTION ARROW
		AREA OUTSIDE LIMITS OF CONSTRUCTION

TOWN OF CASTLE ROCK ACCEPTANCE BLOCK

THESE DRAWINGS HAVE BEEN REVIEWED BY THE TOWN OF CASTLE ROCK FOR TEMPORARY EROSION AND SEDIMENT CONTROL IMPROVEMENTS ONLY.

DEVELOPMENT SERVICES DEPARTMENT DATE

Sheet Revisions

**AUSTIN ENGINEERING CO., INC.**  
 CONSULTING ENGINEERS  
 88 PLAZA DRIVE, SUITE 200  
 HIGHLANDS RANCH, COLORADO 80126  
 (303) 324-4897  
 FAX: (303) 324-4981

**JAMESTOWN DEVELOPMENT CO., INC.**  
 7901 GRANT STREET  
 DENVER, COLORADO 80229  
 (303) 287-7222  
 FAX: (303) 289-1054

EXAMPLE SITE A

VERTICAL RESIDENTIAL  
 TESC PLAN

DRAWING  
 VR-1



# ENGINEERED TESC REPORT

## HIGHLIGHTS FOR THE REPORT:

- DO NOT SUBMIT THE ORIGINAL REPORT FOR LAND DEVELOPMENT
- PROVIDE INFORMATION ON EACH SECTION RELATED TO VERTICAL HOMEBUILDING ONLY

Req'd	Cmpl'd	Subm'd	
<b>TESC REPORT</b>			
A complete Temporary Erosion and Sediment Control (TESC) Report should contain the following information. TESC Reports shall be in accordance with the requirements of the Town of Castle Rock TESC Manual, as amended.			
			1. <b>Name, Address, and Telephone Number of the Applicants</b> —The name, address, and telephone number of the Professional Engineer preparing (or supervising the preparation of) the TESC Plan shall also be included if different from the Applicants.
			2. <b>Project Description</b> —A brief description of the nature and purpose of the land-disturbing activity, the total area of the site, the area of disturbance involved, and the project location or the latitude and longitude of the approximate center of the project.
			3. <b>Existing Site Conditions</b> —A description of the existing topography, vegetation, and drainage; a description of any wetlands on the site; and any other unique features of the property.
			4. <b>Adjacent Areas</b> —A description of neighboring areas such as streams, lakes, residential areas, roads, etc., which might be affected by the land disturbance.
			5. <b>Soils</b> —A brief description of the soils on the site including information on soil type and names, mapping unit, erodibility, permeability, hydraulic soil group, depth, texture, and soil structure (this information may be obtained from the soil report for the site, for adjacent sites if acceptable to the Town, or the applicable Soil Survey prepared by the Natural Resources Conservation Service).
			6. <b>Areas and Volumes</b> —An estimate of the quantity (in cubic yards) of excavation and fill involved (indicating a balance onsite), and the surface area (in acres) of the proposed disturbance.
			7. <b>Erosion and Sediment Control Measures</b> —A description of the methods presented in the TESC Manual that will be used to control erosion and sediment on the site.
			8. <b>Timing/Phasing Schedule</b> —A schedule indicating the anticipated starting and completion time periods of the site grading and/or construction sequence, including the installation and removal of erosion and sediment control measures. Indicate the anticipated starting and completed time periods of individual project phases.
			9. <b>Permanent Stabilization</b> —A brief description, including applicable specifications, of how the site will be stabilized after construction is completed.
			10. <b>Stormwater Management Considerations</b> —Explain how stormwater runoff from and through the site will be handled during construction.
			11. <b>Maintenance</b> —Any special maintenance requirements over and above what is identified in the standard notes and details.
			12. <b>Opinion of Probable Cost for Installation and Maintenance of Controls</b> —An opinion of probable costs for erosion and sediment control, including anticipated maintenance during the construction phase, shall be submitted with the TESC Plan. This will be reviewed by Town staff and used as a basis for fiscal surety. A copy of a spreadsheet to be used for preparing the opinion of probable costs for erosion and sediment control is included in Appendix H of the TESC Manual. An electronic copy of the spreadsheet is available from the Plan Review Engineer. Unit Costs used to develop probable erosion and sediment control costs shall be those shown in the spreadsheet.
			13. <b>Calculations</b> —Any calculations made for the design of such items as sediment basins or erosion control blanket selection.
			14. <b>Other Information</b> —Any other information as reasonably required by the Town of Castle Rock.
			15. <b>The Following Note</b> : "This Temporary Erosion and Sediment Control Plan is on file at the Town of Castle Rock and appears to fulfill the applicable Town of Castle Rock Temporary Erosion and Sediment Control Criteria, as amended. I understand that additional grading, erosion and sediment control measures may be required of the Permittees, due to unforeseen erosion problems or if the submitted plan does not function as intended. The requirements of this plan shall run with the land and be the obligation of the Permittees until such time as the plan is properly completed, modified or voided."
			16. <b>Signature Page</b> — For Permittees acknowledging the review and acceptance of responsibility, and a statement by the Professional Engineer acknowledging responsibility for the preparation of the TESC Plan.
			17. <b>Town of Castle Rock Acceptance Block</b> .

# COST OPINION SPREADSHEET

## HIGHLIGHTS FOR THE COST SHEET:

- SEEDING AND MULCHING COSTS ARE INCLUDED IN THE LOT CONTROLS LINE ITEMS
- INCLUDE VTC(S), CWA, STAGING AREA
- INCLUDE IP

Town of Castle Rock  
 TESC Permit - Cost Opinion Spreadsheet  
 Project # \_\_\_\_\_  
 [Type Project Name / Description Here]

NO.	Control Measure	ID	Unit	Installation Unit Cost	Quantity	Cost
1	Check Dam	CD	LF	\$ 24.00		\$ -
2	Compost Blanket	CB	SF	\$ 0.36		\$ -
3	Compost Filter Berm	CFB	LF	\$ 2.00		\$ -
4	Concrete Washout Area	CWA	EA	\$ 100.00		\$ -
5	Construction Fence	CF	LF	\$ 2.00		\$ -
6	Construction Markers	CM	LF	\$ 0.20		\$ -
7	Dewatering	DW	EA	\$ 600.00		\$ -
8	Diversion Ditch	DD	LF	\$ 1.60		\$ -
9	Erosion Control Blanket	ECB	SY	\$ 5.00		\$ -
10	Inlet Protection	IP	LF	\$ 20.00		\$ -
11	Reinforced Check Dam	RCD	LF	\$ 36.00		\$ -
12	Reinforced Rock Berm	RRB	LF	\$ 9.00		\$ -
13	RRB for Culvert Protection	RRC	LF	\$ 9.00		\$ -
14	Sediment Basin	SB	AC	\$ 1,100.00		\$ -
15	Sediment Control Log	SCL	LF	\$ 2.00		\$ -
16	Sediment Trap	ST	EA	\$ 600.00		\$ -
17	Seeding and Mulching	SM	AC	\$ 2,500.00		\$ -
18	Silt Fence	SF	LF	\$ 2.00		\$ -
19	Stabilized Staging Area	SSA	SY	\$ 2.00		\$ -
20	Surface Roughening	SR	AC	\$ 600.00		\$ -
21	Temporary Road Crossing	TRC	EA	\$ 3,000.00		\$ -
22	Temporary Slope Drain	TSD	LF	\$ 30.00		\$ -
23	Temporary Stream Crossing	TSC	EA	\$ 1,000.00		\$ -
24	Terracing	TER		N/A		\$ -
25	Vehicle Tracking Control	VTC	EA	\$ 1,000.00		\$ -
26	VTC with Wheel Wash	WW		N/A		\$ -
27	Temporary Batch Plant Restoration		AC	\$ 5,000.00		\$ -
28	A Lot Controls	A	EA	\$ 1,500.00		\$ -
29	B Lot Controls	B	EA	\$ 2,000.00		\$ -

<b>Total Costs</b>	\$ -
<b>10% Contingency</b>	\$ -
<b>Grand Total</b>	\$ -
<b>Total Surety Amount</b> (Grand Total x 1.15)	\$ -

# TESC PERMIT, FEES AND SURETY

- FILL OUT ALL PORTIONS OF THE TESC PERMIT
- FEE IS DETERMINED BY SIZE OF PROJECT
- SURETY IS DETERMINED FROM THE COST OPINION SPREADSHEET



## TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PERMIT APPLICATION

TSC \_\_\_\_\_ (Assigned by Town Staff)

*All information is required. No action can be taken on this application until all information is provided. PLEASE PRINT, except for signature.*

PROPERTY OWNER			CONTRACTOR		
Company:			Company:		
Address:			Address:		
City:	State:	Zip:	City:	State:	Zip:
Contact Name:	Phone:		Contact Name:	Phone:	
Email:			Email:		
Project Name:			Duration of Active Construction: _____ months		
Location:					
Total Disturbed Area: _____ acres			Estimated Material Volume: _____ cubic yards		
Does this property currently have an active TESC Permit (by others)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown					

A Standard TESC Permit is valid for one year of active construction and two additional years of re-vegetation.

By signing below, both applicants hereby apply for a Town of Castle Rock TESC Permit for the aforementioned property and certify as follows:

- To the best of my/our knowledge, the information provided herein is correct.
- A TESC Plan for the disturbed area on this site was prepared and submitted in accordance with the TESC Manual, as amended, and
- I certify I am legally authorized to sign on behalf of and bind the above-listed entity. The TESC Permit is granted with the explicit understanding that it is the Permittee's responsibility to:
  - Allow the Town unrestricted access to the site to conduct regular site inspections;
  - Comply with all requirements of the TESC Manual, accepted TESC Plan, and TESC Permit;
  - Immediately cease land-disturbing activities upon receipt of a written Stop Work Order from an authorized representative of the Town of Castle Rock. A Stop Work Order shall be issued and this Permit revoked if the Permittees are not in compliance with the TESC Permit, TESC Plan and/or TESC Criteria Manual or the Permittees fail to take corrective action within the time specified on the written notification of such non-compliance;
  - Understand that in addition to other remedies, a violation of this TESC Permit shall constitute a violation of Section 15.34 of the Town of Castle Rock Municipal Code; and
  - Understand any approval obtained from the Town does not obviate your need to comply with the requirements of Sections 7 and 9 of the Endangered Species Act of 1973, 16 U.S.C. 1531, et seq., as amended, or with any other applicable federal, state or local laws or regulations.

<b>Property Owner</b>	<b>Contractor</b>
Print Name: _____	Print Name: _____
Title: _____	Title: _____
Signature: _____ Date: _____	Signature: _____ Date: _____

PERMIT APPROVAL (Town Use Only)		
<b>FEES</b>	<b>FEES - PERMIT RENEWAL ONLY</b>	<b>Paid Date:</b> _____
Inspection Fee: \$ _____	Active mos. x \$110 \$ _____	Amount: _____
Transfer Fee (if applicable) \$ _____	Inactive mos. x \$55 \$ _____	Check <input type="checkbox"/> Cash <input type="checkbox"/>
	<b>Total Fee:</b> \$ _____	Check # _____
<b>FISCAL SURETY</b>		
SEE COST ESTIMATE: Total Control Measure Costs + 10% Contingency = Grand Total x 1.15 = \$ _____		
<small>TOTAL SURETY REQUIRED</small>		
Paid By: _____ Surety Type: _____ Surety # _____		
Drainage Report Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No Phase: I II III	Development Services Approval Stamp	<b>STORMWATER INSPECTOR</b> Name: _____ Phone: _____



# BUILDING PERMIT

## WHAT DO I NEED TO SUBMIT?

### SITES WITH AN APPROVED TSCV PERMIT

- NOTE THE APPROVED TESC PERMIT NUMBER (TSCVXX-XXXX) ON ALL PLOT PLANS

- DO NOT SHOW SEDIMENT AND EROSION CONTROLS

### SITES WITH AN APPROVED TSCV PERMIT EXEMPTION

- EXEMPTIONS WILL ALSO RECEIVE A TESC PERMIT NUMBER (TSCVXX-XXXX) THAT MUST BE NOTED ON ALL PLOT PLANS

- CONTINUE TO SHOW SEDIMENT AND EROSION CONTROLS ON PLOT PLANS

## CHECKLIST FOR DEVELOPING A PLOT PLAN

Refer to Section 8 of the TESC Manual for additional information. CRGov.com/TESC



### General Requirements

- The plot plan shall be prepared by a registered design professional.
- One (1) electronic copy (Adobe pdf format), for each parcel, shall be submitted with this checklist.

### The following items shall be clearly illustrated on the plot plan:

- Illustrate all property lines, easements and setbacks.
- Illustrate planned improvements and permanent structures such as sidewalks, patios, swimming pools, driveways, porches, retaining walls, lined swales, etc.
- FEMA Floodplain limits shall be shown if lot is adjacent to a floodplain. See Town of Castle Rock Municipal Code, Title 18, for floodplain regulations. Demonstrate required 2-foot freeboard has been met for properties in or adjacent to a floodplain. All properties within the floodplain require a floodplain development permit prior to issuance of a building permit. An elevation certificate may also be required.
- Provide a north arrow, the street address, subdivision, filing, lot and block.
- The plan size for lot sizes of one (1) acre or less shall be 8.5" x 11" to 8.5" x 14".
- A scale of one (1) inch equals twenty (20) feet shall be used unless the lot does not fit on legal paper; then a scale of one (1) inch equals thirty (30) feet may be used. Illustrate the scale used on all pages submitted.
- Spot elevations and drainage arrows shall be illustrated on the plot plan in sufficient quantities to accurately illustrate the site drainage patterns. For sites one (1) acre or larger, these may be grouped around the foundation area (within one hundred [100] feet of the foundation or to the limits of disturbance).
- Illustrate high points and drainage arrows with percent slope twenty-five-foot intervals along drainage swales.
- Illustrate all slopes to the nearest one-tenth percent (0.1%) in critical areas. Illustrate all elevations to the nearest one-tenth (1/10) foot. See TESC Manual Section 8.4.1 for additional minimum slope requirements.
- Illustrate top of foundation at each elevation change and driveway elevations at the garage entrance and at the point of discharge.
- Illustrate retaining walls including elevations for top and bottom of wall. Provide maximum height of retaining wall(s), including footing. Retaining walls taller than four (4) feet (including footing) require a building permit and shall be designed by a registered design professional. Reference permit number for retaining wall on plot plan.
- Illustrate where storm water runoff enters the lot (including adjoining swales) and discharges to adjacent rights-of-way, properties and easements. If adjacent lots are vacant, please label them as such.
- Include these general notes on the plan:
  - ANY ADJUSTMENTS WHICH MUST BE MADE TO UTILITY POLES, STREET LIGHT STANDARDS, FIRE HYDRANTS, CATCH BASINS OR INLETS, TRAFFIC SIGNS AND SIGNALS, OR OTHER PUBLIC IMPROVEMENTS OR INSTALLATIONS WHICH ARE NECESSARY AS THE RESULT OF THE CURB OPENINGS OR DRIVEWAYS SHALL BE ACCOMPLISHED WITHOUT ANY COST TO THE TOWN. DRIVEWAYS SHALL NOT INTERFERE WITH OPERATIONS OR LOCATIONS OF ANY DRAINAGE APPURTENANCES OR ADA RAMPS.

## IMPORTANT RESOURCES AND CONTACT INFORMATION

- TESC MANUAL, FORMS AND CHECKLISTS: [CRGOV.COM/TESC](http://CRGOV.COM/TESC)
- OTHER APPLICABLE FORMS MAY BE FOUND AT: [CRGOV.COM/CODECENTRAL](http://CRGOV.COM/CODECENTRAL)
- DIRECT QUESTIONS AND SUBMITTALS TO: [DEVREVIEW@CRGOV.COM](mailto:DEVREVIEW@CRGOV.COM)

THANK YOU