WYOMING ESTATES SUBDIVISION

GRADING, EROSION CONTROL AND STORMWATER QUALITY REPORT

PREPARED BY

Mike Bartusek RESPEC 102 S Tejon St., Suite 1110 Colorado Springs, CO 80903 719-283-7671

PREPARED FOR

Home Run Restorations, Inc. 5090 Wiley Road Peyton, CO 80904 719-325-6155

SEPTEMBER 29, 2020

Project Number 03433

QUALIFIED STORMWATER MANAGER

Mike Bartusek RESPEC 102 S Tejon St., Suite 1110 Colorado Springs, CO 80903 719-283-7671

CONTRACTOR

Name: Company: Address:

PCD File No. MS 196



Table of Contents

TABLE OF CONTENTS	j
VICINITY MAP	ii
PROJECT DESCRIPTION General Location	1
SITE DESCRIPTION Soils	1
EROSION AND SEDIMENT CONTROL CRITERIA Areas and Volumes Erosion and Sediment Control Measures Initial Stage Temporary Stabilization Vehicle Tracking Control Silt Fence Outlet Protection Non-Structural Practices Construction Timing Permanent Stabilization Stormwater Management Maintenance Cost	1 1 2 2 2 2 2 2 2 3 3 3 4
STORMWATER MANAGEMENT Stormwater Management Potential Pollution Sources	4 5 5
CONCLUSION Compliance with Standards	6 6
REFERENCES	6
APPENDIX A Vicinity Map & Grading and Erosion Control Plans	
APPENDIX B	

PROJECT DESCRIPTION

This project consists of the development of the Wyoming Estates Subdivision. The currently vacant 40.01 acre site is located west of Curtis Road approximately 2.5 mile north of SH 94. It is further described as the southern portion of Section 33, Township 13 South, Range 66 West of the 6th Principal Meridian in El Paso County, Colorado.

All of this lot is located in Curtis Road and Livestock Company drainage basin. Flows from the site drain into the west ditch of Curtis Road and flow north to the West Fork of Squirrel Creek.

SITE DESCRIPTION

Existing Site Conditions

The existing site is undeveloped and covered in Rangeland grasses, based on field visits, with approximately 90% coverage. The site slopes in a southwest direction with slopes that range from 2% to 8%.

Soils

The soil on the site can be described as having a rapid permeability, medium-surface runoff, and moderate hazard of erosion per the soil descriptions listed the NRCS for the particular site soils. The soils within the site are:

8 Blakeland Loamy Sand A T=5 K=0.1
 95 Truckton Sandy Loams B T=5 K=0.1

EROSION AND SEDIMENT CONTROL CRITERIA

Areas and Volumes

The proposed subdivision will consist of four (4) lots with Lot 1 containing 5.15 acres, Lot 2 containing 5.08 acres, Lot 3 containing 5.06 acres and Lot 4 containing 21.19 acres. It will also contain an asphalt cul-de-sac located across from Patton Drive with a private gravel road extending from the cul-de-sac and connecting to the existing access road to the west. These new lots are assumed to be developed with 3000 sf homes and 12 ft gravel drives. No overlot grading will take place within the proposed subdivision. No steam crossing exists on the site but the site is tributary to the West Fork of Squirrel Creek.

Improvements shall include the construction of a temporary sedimentation basin on the property to account for the areas of disturbance. The total area of disturbance shall be about 2.2 acres. Construction activities shall consist of clearing, grubbing and grading for the new roadway. Approximately 3,000 cubic yards of cut and fill shall be moved. Disturbed and exposed areas of the site shall be seeded and mulched if construction activities cease for more than 30 consecutive days.

Erosion and Sediment Control Measures

Erosion control and sediment prevention measures describe a wide range of management procedures, schedules of activities, prohibitions on practices, and other best management practices (BMP). BMPs also include operating procedures, treatment requirements and practices to control site runoff, drainage from materials storage, spills or leaks. Structural practices for this site include silt fences, straw bales, inlet and outlet protection, and vehicular tracking control. Erosion matting may be required on unstable slopes, if directed by the engineer. General descriptions of the BMPs to be used during the construction of this project are listed below. See

the Erosion Control Plans for the specific type and location of each erosion and sediment control device required for this project.

Initial Stage

These BMPs shall be installed at the outset of construction, prior to the initial pre-construction meeting and any other land-disturbing activities. Initial controls are to be placed on existing grades but shall be based in part on proposed grading operations. The initial stage includes clearing, grubbing, overlot grading, and utility and other construction prior to paving operations.

Temporary Stabilization

Disturbed areas will be temporarily stabilized as soon as construction activities are completed. Seeding will be applied to completed areas within 14 days of completion.

Vehicle Tracking Control

A vehicle tracking control device will be installed at the construction entrance where the construction entrance intersects an existing paved private roadway.

Silt Fence

Prior to the start of construction, silt fence will be installed along the perimeter of all disturbed areas that are within the project site. Silt fence shall be placed as indicated on the plan drawing. Sediment shall be removed when depth exceeds one-fourth the height of the silt fence. The engineer may require additional silt fence as necessary to retard sediment transport on or off the project site.

Straw Bale Ditch Checks

Straw Bale Ditch Checks will be installed the proposed non-riprap ditch that are within the project site. Straw Bale Ditch Checks shall be placed as indicated on the plan drawing. Sediment shall be removed when depth exceeds one-fourth the height of the silt fence. The engineer may require additional silt fence as necessary to retard sediment transport on or off the project site.

Inlet Protection

Inlet protection at the culvert entrances will be provided to prevent erosion and scour of the water by the concentrated flows gathered by the culverts both during and after construction.

Outlet Protection

Outlet protection at the culvert outlets on the site will be provided to prevent erosion and scour of by the concentrated flows at the culvert outlets both during and after construction.

Non-Structural Practices

Upon completion of the grading, temporary seeding and mulching will be applied to all disturbed areas on and adjacent to the site. All seeding, fertilizers, and mulching shall conform to *El Paso County Engineering Criteria Manual*.

Construction Timing

The site will be graded to accommodate the proposed redevelopment items delineated previously. This project will be constructed in a single phase. Once construction begins, it will continue until the project is complete; therefore, construction phasing will not be necessary. The construction process will consist of grading (excavation and fill) activities, installation of utilities, paving, concrete placement, landscaping, and building construction. The general sequence for major construction activities will be as follows:

- Establish limits of disturbance
- Install vehicle tracking control (VTC)
- Install silt fence
- Install Portable Toilet
- Install temporary sedimentation basin
- Clear and grub the site
- Excavation and fill placement
- Install Inlet/Outlet Protection
- Install gravel
- Place storage trailers on site
- Install permanent landscaping
- Install water quality basin
- Remove BMPs

No concrete being placed so no concrete washout area required.

To be fully effective, erosion and sediment control measures must be installed and phased with the construction activities. The vehicular tracking control device shall be installed at the entrance prior to the mobilization of construction equipment on-site. Prior to the clearing and grubbing of the entire construction area, localized clearing shall be performed for the placement of perimeter erosion control measures. Site clearing shall commence only after the perimeter erosion control measures are in place. Erosion control devices must be in place to reduce the potential of eroded excavated material entering the storm drainage system. Protection devices shall be placed during grading activities, in the appropriate areas, as indicated on the plan drawing that is located in the Appendix.

Anticipated starting and competition date: November 1 to March 1, 2021

Expected date on which the final stabilization will be completed: May 1, 2021

Permanent Stabilization

Disturbed areas shall be permanently stabilized as soon as construction activities are completed. Viable vegetative cover shall be established no later than one year from disturbance. Areas to be revegetated shall be treated with soil amendments to provide an adequate grown medium to sustain vegetation and shall be at least 70 percent of the pre-disturbed vegetation cover.

The seedbed shall be well settled and firm, but friable enough that seed can be placed at the seeding depth specified. The seedbed shall be reasonably free of weeds. Soils that have been over-compacted by traffic or equipment, especially when wet, shall be tilled to break up rooting restrictive layers and then harrowed, rolled, or packed to prepare the required firm seedbed. Mulch shall be applied at a rate of two and one-half (2 ½) tons per acre and shall be spread uniformly, in a continuous blanket, after seeding is complete. Mulch shall be clean, weed and seed free, long-stemmed grass or hay, or long-stemmed straw of oats, wheat, or rye. At least 50 percent of mulch, by weight, shall be ten inches or longer. Mulch shall be spread by hand or blower-type mulch spreader. Mulching shall be started on the windward side of relatively flat areas or on the upper part of steep slope and continued uniformly until the area is covered. The mulch shall not be bunched. Immediately following spreading, the mulch shall be anchored to the soil by a v-type wheel land packer or scalloped-disk land packer designed to force mulch into the soil surface a minimum of three inches. All seeded areas shall be mulched after seeding on the

same day as the seeding. The type of seed mix used for permanent vegetation shall utilize perennial grasses as delineated on the plans.

Stormwater Management

All developed stormwater will be routed through the EDB facilities to provide stormwater quality as delineated on the drawings.

Maintenance

All temporary and permanent erosion and sediment control practices shall be maintained and repaired as needed by the contractor throughout the duration of construction to assure that each BMP will function as intended. As required by the stormwater discharge permit, a weekly inspection of these items will be performed. In addition, all facilities must be inspected by the owner or the owner's representative following each heavy precipitation or snowmelt event that results in runoff, with maintenance occurring immediately after discovering a need.

Silt fence may require periodic replacement. All sediment accumulated behind the silt fence must be removed and disposed of properly when depth exceeds one-fourth the height of the silt fence. On-site construction traffic will be monitored to minimize the transport of sediment onto the proposed on-site streets, as well as onto adjacent city streets. The Owner, Site Developer, Contractor, and/or their authorized agents shall prevent loss of cut and fill material being transported to and from the site by taking appropriate measures. All mud and sediment tracked onto public streets shall be cleaned immediately. Road cleaning includes shoveling and sweeping activities.

Diversion ditches shall be kept clean and functional during construction. They shall be routinely checked on a weekly basis and cleaned if the height of sedimentation exceeds one-half its depth.

Inlet/outlet protection shall be inspected to ensure proper operation. Excess debris or sediment must be removed prior to final acceptance of the project.

Vehicle Tracking Control protection shall be inspected to ensure proper operation. Excess debris or sediment must be removed prior to final acceptance of the project.

The temporary sedimentation pond shall remain in place until such time as the major grading operations in the area are completed and the ground stabilized by either temporary or permanent measures. The ponds will be cleaned out periodically with depth of sediment at no time allowed to accumulate more than one-half the depth of the facility.

Cost

An engineer's cost estimate for the anticipated erosion and sediment control items for the entire site are listed below:

Section 1 – Grading & Erosion Control BMPs	Quantity	Units	Price		Total
Earthwork	3500	CY	\$5	\$1	7,500.00
Permanent Seeding	1.5	AC	\$582	\$	837.00
Mulching	1.5	AC	\$507	\$	760.50
Erosion Bales	27	EA	\$21	\$	567.00
Temporary Mulch	1.5	AC	\$507	\$	760.50

	TOTAL EROSION & SE	DIMENT CON	ITROL COST	\$30,268.50
Sedimentation Basin	1	EA	\$1,625	\$1,625.00
Silt Fence	1437	LF	\$4	\$5,748.00
Vehicle Tracking Control	1	EA	\$1,625	\$ 1,625.00
Inlet Protection	2	EA	\$153	\$ 306.00
Temporary Seeding	1,5	AC	\$485	\$ 727.50

STORMWATER MANAGEMENT

Stormwater Management

Stormwater quality shall be protected and preserved throughout the life of this development. During mass grading and construction, measures such as sediment fences, straw bales, and vehicle tracking control shall be used to minimize erosion and sedimentation on site. During construction, the proposed extended detention basin shall function as a temporary sediment basin to reduce the potential for sediment leaving this development. Temporary diversion dikes shall be constructed to transport runoff that may contain sediment to the temporary sediment basin located on site until a stormwater system is installed. After various stages of the construction, when applicable, temporary or permanent erosion control stabilization shall be installed and maintained (landscaping, seeding, mulching, etc.).

Potential Pollution Sources

Materials are sometimes used at the construction site that present a potential for contamination of stormwater runoff. These include sediment, equipment/vehicle washing, vehicle maintenance and fueling, petroleum products, paint, solvents, treated wood products, asphalt (bituminous) paving, concrete, concrete-curing compounds, metal, waste storage and disposal and other liquid chemicals such as fertilizers, herbicides, and pesticides. Practices that can be used to prevent or minimize toxic materials in runoff from a construction site are described in this section.

Areas at the construction site that are used for storage of toxic materials and petroleum products shall be designed with an enclosure, container, or dike located around the perimeter of the storage area to prevent discharge of these materials in runoff from the construction site. These barriers shall also function to contain spilled materials from contact with surface runoff. Proposed locations for storage of toxic materials have not been determined at the time of this report. Locations shall depend upon construction phasing.

Measures to prevent spills or leaks of fuel, gear oil, lubricants, antifreeze, and other fluids from construction vehicles and heavy equipment shall be considered to protect groundwater and runoff quality. All equipment maintenance shall be performed in designated areas and shall use spill control measures, such as drip pans, to contain petroleum products. Spills of construction-related materials, such as paints, solvents, or other fluids and chemicals, shall be cleaned up immediately and disposed of properly.

During the earthwork phase of this project potential pollutants, as well as materials handling and spill prevention, will be addressed as follows:

TABLE 1: POTENTIAL POLLUTION SOURCES

	Possible Site Contributions of Pollutants to Stormwater
Potential Pollution Sources	Discharges

	Possible Site Contributions of Pollutants to Stormwater
Potential Pollution Sources	Discharges
All disturbed and stored soils	Stockpiles of fill and topsoil.
	See plan for vehicle tracking control for vehicle entrance
Vehicle tracking of sediments	and exits.
Management of contaminated soils	No contaminated soils are expected to be encountered.
Loading and unloading operations	Unloading of materials.
Outdoor storage activities (building	Soil stockpiles and equipment storage areas (no fertilizers,
material, fertilizers, chemicals, etc.)	petroleum or chemical products will be stored on-site).
	Fueling will occur on-site using mobile equipment (will not
Vehicle and equipment maintenance	be stored on-site). Equipment maintenance will occur off-
and fueling	site.
Significant dust or particulate-	
generating processes	Vehicle tracking, stockpiles, fill placement.
Routine maintenance activities	All equipment maintenance will occur off-site. No
involving fertilizers, pesticides,	fertilizers, pesticides, detergents, and/or solvents will be
detergents, fuels, solvents, oils, etc.	used or stored on-site.
On-site waste management practices	
(waste piles, liquid wastes, dumpsters,	
etc.)	All waste will be removed from site as soon as possible.
Concrete truck/equipment washing,	
including the concrete truck chute and	
associated fixtures and equipment	Concrete wash areas delineated on-site.
Dedicated asphalt and concrete batch	
plants	No dedicated asphalt and concrete batch plants are on-site.
Non-industrial waste sources such as	Worker trash will be removed from the site as soon as
worker trash and portable toilets	possible. Portable toilets will be provided on-site.
Other areas or procedures where	
potential spills can occur	Petroleum releases from equipment are possible.

Should a spill occur, the construction supervisor onsite will notify the Colorado Springs Utilities Environmental group to assess the severity of the spill and the appropriate action necessary to address the spill.

Trash receptacles shall be provided and kept clean as required to keep the site clean of trash. Portable toilets will be located a minimum of 50feet from State waters. They hall be adequately staked and cleaned on a weekly basis. The receptacles will be inspected daily for spills.

Potable water is anticipated as a non-stormwater discharge. Potable water shall be used for grading, dust control, and irrigation of erosion control and permanent landscaping. An effort shall be made to use only the amount of potable water required for these operations.

Owner Inspection and Maintenance of Constructed BMPs

All inspection logs will include signatures on the logs and be kept on site along with other SWWP records.

1. *Minimum Inspection Schedule.* The permittee shall, at a minimum, make a thorough inspection at least once every 14 calendar days. Also, post-storm event inspections shall be conducted within 24 hours after the end of any precipitation or snowmelt event that causes surface erosion. Provided the timing is appropriate, the post-storm inspections shall be used to fulfill the 14-day routine inspection requirement. A more frequent inspection schedule than the

minimum inspections described may be necessary to ensure that BMPs continue to operate as needed to comply with the permit.

- 1.1. **Post-Storm Event Inspections at Temporarily Idle Sites.** If no construction activities will occur following a storm event, post-storm event inspections shall be conducted prior to recommencing construction activities, but no later than 72 hours following the storm event. The occurrence of any such delayed inspection must be documented in the inspection record. Routine inspections still must be conducted at least every 14 calendar days.
- 1.2. *Inspections at Completed Sites/Areas.* For sites, or portions of sites, that meet the following criteria; but final stabilization has not been achieved due to a vegetative cover that has not become established, the permittee shall make a thorough inspection of their stormwater management system at least once every month. Post-storm event inspections are not required. This reduced inspection schedule is only allowed if:
 - 1.2.1.all construction activities that will result in surface ground disturbance are completed;
 - 1.2.2.all activities required for final stabilization in accordance with the Grading and Erosion Control/Stormwater Quality Plan have been completed, with the exception of the application of seed that has not occurred due to seasonal conditions or the necessity for additional seed application to augment previous efforts; and
 - 1.2.3.the Grading and Erosion Control/Stormwater Quality Plan has been amended to indicate those areas that will be inspected in accordance with the reduced schedule allowed for in this section.
- 1.3. Winter Conditions Inspections Exclusion. No changes are expected for winter work.

CONCLUSION

This SWMP Report and the Best Management Practices (BMPs) specified on the Erosion Control Plans have been designed to reduce any adverse impacts the construction of this project might have on the surrounding properties. If properly installed and maintained, the design shall protect the quality of the stormwater runoff that is released from this development.

All temporary erosion and sediment control measures shall be removed and disposed of within thirty (30) days after final site stabilization is achieved, or after temporary measures are no longer needed, whichever occurs earliest, or as authorized by the local governing jurisdiction.

Temporary erosion control measures may be removed only after streets and drives are paved, and all disturbed areas have been stabilized. Trapped sediment and disturbed soil areas resulting from the disposal of temporary measures must be returned to final plan grades and permanently stabilized to prevent additional soil erosion.

Final stabilization is reached when all soil disturbing activities at the site have been completed, and uniform vegetative cover has been established with a density of at least 70 percent of predisturbance levels; or equivalent permanent, physical erosion reduction methods have been employed.

No batch plants are anticipated for this project.

The SWMP should be viewed as a "living Document" that is continuously being reviewed and modified as a part of the overall process of evaluating and managing stormwater quality issues at the site. The Qualified Stormwater Manager shall amend the SWMP when there is a change in design, construction, operation or maintenance of the site which would require the implementation of new or revised PMP's or if the SWMP proves to be ineffective in achieving the general objectives of controlling pollutants in stormwater discharges associated with construction activity or when BMP's are no longer necessary and are removed.

The project does not rely on control measures owned or operated by another entity.

Compliance with Standards

This report was prepared in accordance with the procedures and concepts outlined in the *El Paso County Engineering Criteria Manual*.

REFERENCES

- City of Colorado Springs Drainage Criteria Manual, Volume 2, including Addendums I and II.
- El Paso County Engineering Criteria Manual.

APPENDIX A

Vicinity Map
Grading and Erosion Control Plans

TANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION

- CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM DEVELOPMENT SERVICES AND A PRE-CONSTRUCTION CONFERENCE IS HELD WITH PLANNING AND COMMUNITY DEVELOPMENT STORM-WATER 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 STEF WATERS INCLUDING WEITANDS.

 NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION ALL DESIGN AND CONSTRUCTION BE LATED TO REGADE STORM DEALINGS.
- REPRESENTATION ALL DESIGN AND CONSTRUCTION RELATED TO ROADS STORM DRAINAGE AND ERORS 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 TO REGULATIONS AND STANDARDS MUST BE REQUESTED AND APPROVED IN WRITING

- MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED. AND APPROVED IN WRITING.

 4. A SEPARATE STURM-WALLER MARAGEMENI PLAIN [SMWP]-FUR I HIS PRUJECT SHALL BE COMPLETED AND AN EROSION AND STORM-WATER QUALITY CONTROL PERMIT (ESOCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWAMP IS THE RESPONSIBILITY OF THE DESIGNATED STORM-WATER QUALITY CONTROL PERMIT (ESOCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWAMP IS THE RESPONSIBILITY OF THE DESIGNATED STORM-WATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANCES IN THE FIELD.

 5. ONCE THE ESOCP) IS APPROVED AND A "NOTICE TO PROCECE" HAS BEEN ISSUED THE CONTROL MEASURES AS INDICATED ON THE APPROVED AGE. A PRE-CONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COMMENCEMENT OF ACTIVITIES THAT COULD CONTRIBUTE POLLUTANTS TO STORMWATER, CONTROL MEASURES FOR ALL SLOPES, DITCHES, AND DISTURBED LAND AREAS SHALL BE INSTALLED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.

 7. ALL TEMPORARY SECIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE CONTITIES SHALL SSESS THE ADEQUACY OF CONTROL MEASURES ARE MIPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE CONTITIES SHALL SSESS THE ADEQUACY OF CONTROL MEASURES ARE MEEDED TO ENSURE THE CONTITUE SHAPE OF PERFORMANCE OF THE CONTROL MEASURES ARE MEEDED TO ENSURE THE CONTROL DESPECTIVE PERFORMANCE OF THE CONTROL MEASURES AND STOCKPILES WHICH EROSION CONTROL MEASURES AND STOCKPILES WHERE GROON DO STR
- TEMPORARILY CEASED FOR LONGER THAN 14 DAYS
- 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
- AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON HINAL STABILIZATION AND DEPONE 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 ADMINIST HAILOR PHOR TO IN IMPLEMENTATION.

 1. 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 THE PRESISTING 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. COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILITRATION CONTRO
- COMMACTION OF SOLIC MASS 9 E-PREVENTED IN MIKEAS DESIGNATED FOR INFILITATION OF MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILITATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SECURITY OF THE MEASURES SHALL ALSO BE PROTECTED FROM SECURITY OF THE MEASURES SHALL ALSO BE PROTECTED FROM THE MEASURES SHALL ALSO BE PROTECTED. 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).

 ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMAYER AROUND THROUGH OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDMENT OFF SITTE
- SHALL BE A STABILIZED CONVEYANCE DESIGNED TO INITIATIVE LINCOLOR.

 SEDIMENT OFF SITE.

 1. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWIMP. 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.

 5. 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.

 16. EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3.1.

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE

- STEEPER THAN 3.1.

 17. 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.

 18. 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 WAY BE REQUIRED BY EL PASO COUNTY ENIONEERING IF DEEMED NECESSARY BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.

 19. TRACKING OF SOILS AND CONSTRUCTION DOERS OF THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DESCRIPTION OF SOILS AND CONTROL PLAN.

 20. 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 DARRIANS AND OTHER DRAINS CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.

 21. THE QUARNITY 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 NEXT, DOERLY MANNER IN THE REPORT OF STORM DATE OF THE THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEXT, TOORERLY MANNER IN THEIR ORIGINAL MANUFACTURER'S LABELS.

 2. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE SHALL BE STORED IN A NEXT, TOORERLY MANNER IN THE THE ORIGINAL MANUFACTURER'S LABELS.

 2. NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE JUNESS PERMISSION FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN WRITING BY THE ECH MOMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S) IS GRANTED IN THE MORTH OF THE PROPER OF THE USE OF SUCH CHEMICAL(S) IS GRANTED IN THE THE CORDINAL SHALL ORDINISTRATOR OF REVENT ANY SPILLED MATERIALS FROM EFFICIENT
- I NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDMENT CONTROL MEASURES.
 5. OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE COLORADO WATER QUALITY CONTROL ACT 'ITILE 2 S ARTICLE B . (RS) AND THE CLEAN WATER ACT. (33 USC 1344). IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE DCM YOLUME 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...
 ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE ONLY AT APPROVED CONSTRUCTION
- ACCESS POINTS

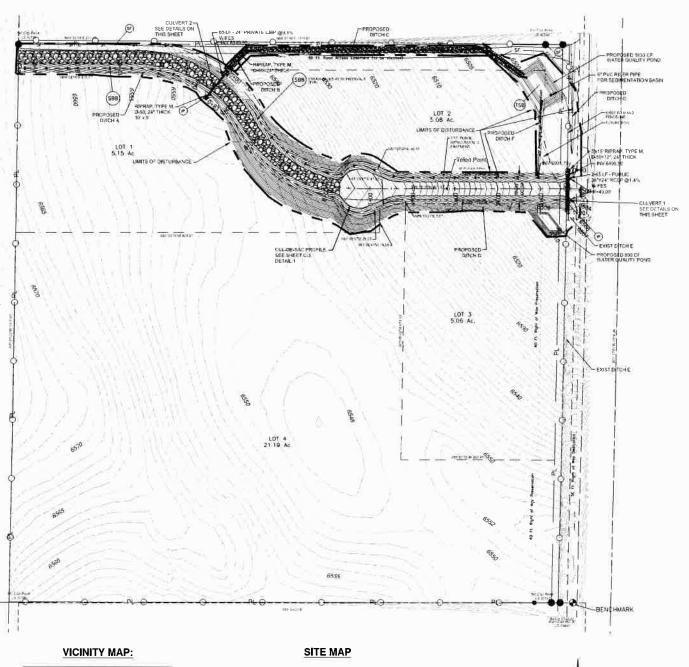
 ACCESS POINTS

 ACCESS POINTS

 REPRINTED TO CONSTRUCTION THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.

 RAWATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND SHALL BE UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.

GRADING AND EROSION CONTROL PLAN WYOMING ESTATES SUBDIVISION EL PASO COUNTY, CO



THE BASIS OF BEARINGS FOR THIS PROJECT IS THE WEST LINE OF THE

T12S R66W N00*15 58"W - 1324 20 FEET. THE BEARING IS A GRID BEARING

GRAPHIC POATS

NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 6

OF THE COLORADO STATE PLANE CENTRAL ZONE NAD 83. THE LINE IS MONUMENTED BY 1934 GLO BRASS CAP ON THE NORTH END AND A 2

DIAMETER ALUMINUM CAP PLS 4842 ON THE SOUTH END

ALUM CAP LS 23B90 LOCATED 30' WEST OF EXISTING SOUTHEAST PROPERTY CORNER.

ELEV = 6549.00

Peyton

Fulcon

OWNER'S STATEMENT

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

HOMERUN RESTORATIONS INC.

ENGINEER'S STATEMENT
These detailed plans were prepared under my direction and supervision. Said plans and specifications have been prepared in according to the criteria established by the County for detailed roadway drainage, grading and erosino control plans and specifications and said plan sand specifications are in conformity with applicable master drainage plans and master transportation plans. Said plans and specifications meet the purposes for which the particular roadway and drainage facilities are designed and are correct to the best of my knowledge and belief. I accept responsibility for any lability caused by any negligent acts, errors or omissions on my part in preparing these detailed plans and specifications.

Michael A. Bartusek, P.F. #23329

I, the Developer, have read and will comply with all of the requirements specified on this plan.

SHAWN SHAFFER OWNER HOME RUN RESTORATIONS, INC Address 5090 WILEY RD

PEYTON CO 80831

Filed in accordance with the El Paso County Land Development Code, Drainage Criteria Manual Volumes 1 and 2 and the Engineering Criteria Manual as amended

SHAWN SHAFFER OWNER

EL PASO COUNTY

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS. AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2 AND ENGINEERING CRITERIA MANUAL AS

IN ACCORDANCE WITH ECM SECTION 1,12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY EL PASO COUNTY ENGINEER IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS. THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL. INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTORS DISCRETION.

JENIFER IRVINE P.E. COUNTY ENGINEER/ECM ADMINISTRATOR

LEGEND:

PROPOSED MAJOR CONTOUR

PROPOSED MINOR CONTOUR

— — EXISTING MAJOR CONTOUR

U/G PIPE (MATERIAL AND SIZE AS NOTED)

- SF - SILT FENCE

LIMITS OF CONSTRUCTION

LIMITS OF DISTURBANCE

(SRR) STRAW BALE BARRIER

(IP) INLET PROTECTION (DD) DRAINAGE DITCH

(TSB) TEMPORARY SEDIMENT BASIN

(SP) STOCKPILE PROTECTION (SSA) STABILIZED STAGING AREA ■ CUT/FILL BOUNDARY

SHEET INDEX:

- DRAINAGE, GRADING AND EROSION CONTROL COVER
- 2 DRAINAGE, GRADING & EROSION CONTROL PLAN
- 3 DRAINAGE, GRADING & EROSION CONTROL DETAIL

DRAWING NUMBER:

SHEET 1

 ${f m}$

Know what's below. Call before you dig

VG NM 03433-GrdgEro

ERUN RESTORATIONS, I 5090 WILEY RD PEYTON, CO 80831

HOME

8

П

VYOMING ESTATE SUBDIVISION PASO COUNTY,

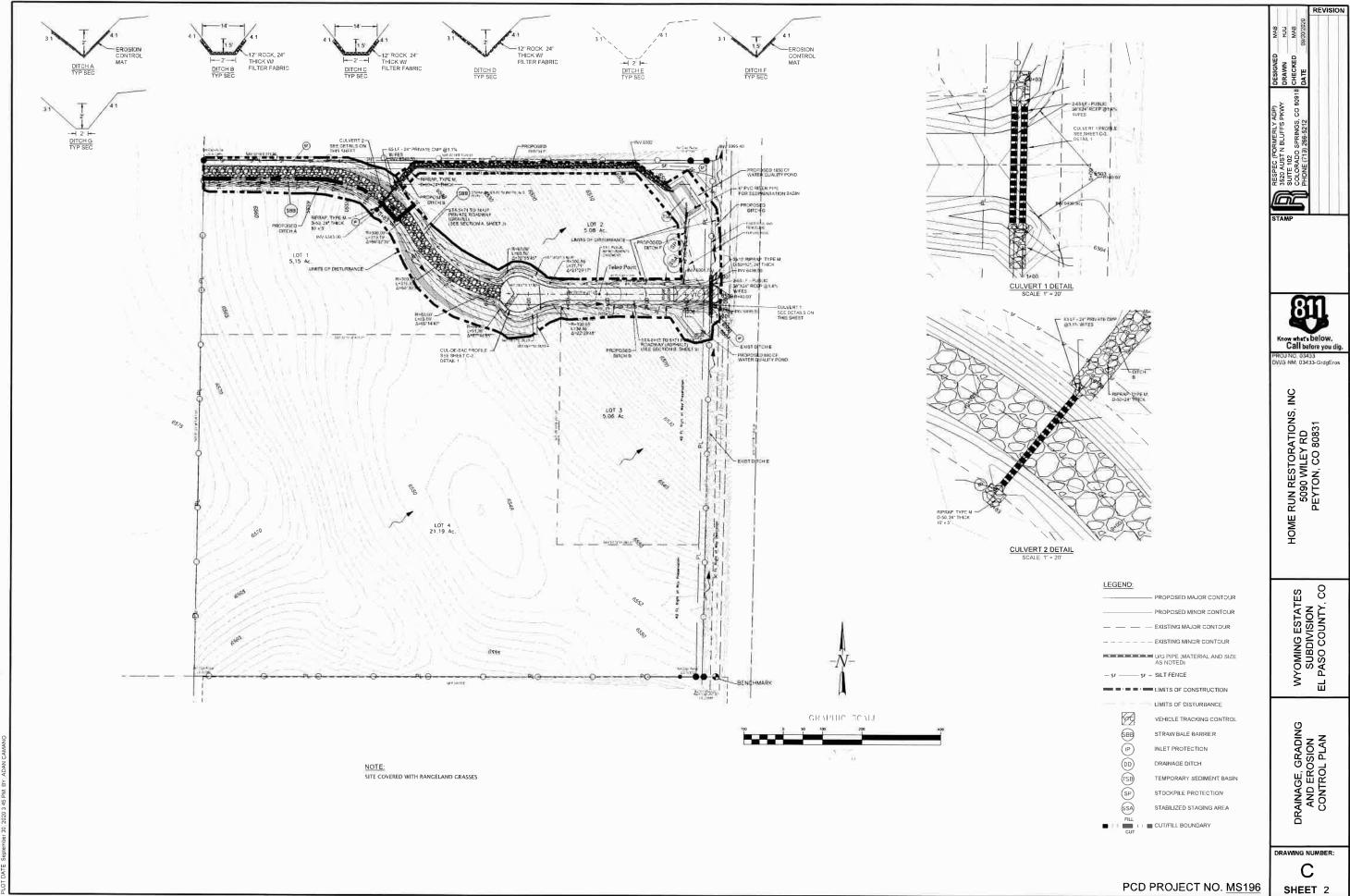
GRADING OSION . COVER

DRAINAGE, G AND ERO CONTROL (

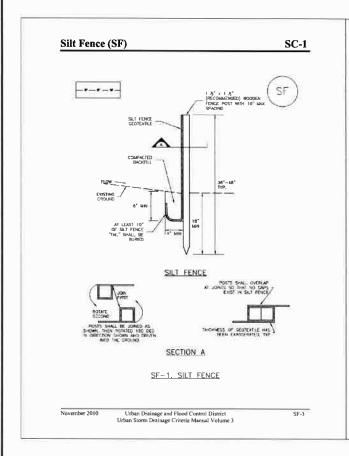
≶

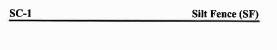
 $\frac{9}{8}$

PCD PROJECT NO. MS196



PCD PROJECT NO. MS196





I SLT FENCE MUST BE PLACED AMAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PORDING SLT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERK FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROCK FOR PORDHOMEN AND DEPOSITION.

2 A UNFORM 6" K 4" ANCHOR TRENCH SHALL BE EFCAVATED USING TRENCHER OR SULT FENCE RETALLADON DEVICE. NO ROAD GRADERS, BACKHOES, OR SAIRAR EQUIPMENT SHALL BET ISTIT

7 SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES BUT FENCE MANTENANCE NOTES

I INSPECT BURD EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION MAINTENANCE OF BURD, SHOULD BE PROACTIVE, NOT REACTIVE, INSPECT BURD, AS SOON AS POSSENE, ON JAMYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORU NECESSARY MAINTENANCE.

2 FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BURD. HEFECTIVE OPERATING CONDITION INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED TRIORIZIONILY.

3. WHERE BIRPS HAVE FALLD, REPAIR OR REPLACEMENT SHOULD BE INTRATED UPON DISCOVERY OF THE FALLURE.

4 SEDMENT ACCUMULATED UPSTREAM OF THE SLT FENCE SHALL BE REMOVED AS NEEDED TO MANTAN THE PUNCTIONALTY OF THE BMP₁ TYPICALLY WHEN DEPTH OF ACCUMULATED SEDMENTS IS APPROXIMATELY AS

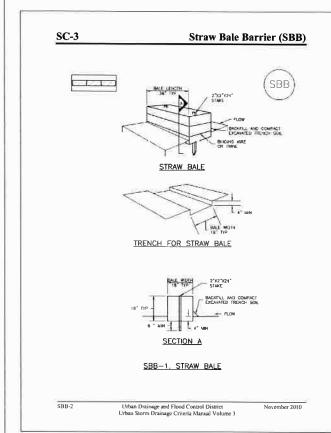
5 REPAIR OR REPLACE SLT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SALGING, TEARING, OR COLLAPSE.

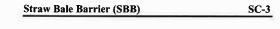
6. SLT FEMCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION; OR IS REPLACED BY AN EQUIVALENT PERMIETER SCHIENT (CORTING), GMP.

7. WHEN SALT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL SELDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION. CETAL ADMITS FROM YOUR OF PARKER, COLUMNS AND STY OF AURITAL HIS AURICAL IN AUTOMO-

NOTE, MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCO STANDARD DETAILS CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DETERBLICES ARE NOTED.

Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3





STRAW BALE INSTALLATION NOTES

1 SEE PLAN VIEW FOR -LOCATION(S) OF STRAW BALES

2 STRAW BALES SHALL CONSIST OF CERTIFIED WEED FREE STRAW OR HAY LOCAL JURISDICTIONS MAY REQUIRE PROOF IT AT BALES ARE WEED FREE.

3 STRAW BALES SHALL CONSIST OF APPROXIMATELY 5 CLIBIC FEET OF STRAW OR HAY AND WEIGH NOT LESS THAN 35 POUNTS 4 WHEN STRAW BALES ARE USED IN SERIES AS A BARRIER, THE END OF EACH BALE SHALL BE TIGHTLY ARTITIONS ONE ANOTHER

5 STRAW BALE DIMENSIONS SHALL BE APPROXIMATELY 36"X18"X18".

7, I'MO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE, WOODEN STAKES SHALL BE 27027X24". WOODEN STAKES SHALL BE DRIVEN 6" INTO THE GROUND STRAM BALE MANTENANCE NOTES

I RISPECT BUPS EACH WORKDAY, AND MANTAIN THEM IN EFFECTIVE OPERATING CONDITION MANTENANCE OF BURS SHOULD BE PROACTIVE, NOT REJECTIVE INSPECT BURS AS SOOM AS POSSIBLE (AND ALMAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE ERICSION, AND PERFORM INCESSARY MARTENANCE.

2. Frequent observations and maintenance are necessary to maintain BinP_3 in effective operating condition. Inspections and corrective weasures should be occurrently thoroughly. 3 where bare have falled, repair or replacement should be initiated upon discovery of the faller.

4 STRAW BALES SHALL BE REPLACED IF THEY BECOME HEAVEY SOLED, ROTTEN, OR DAMAGED BEYOND REPAIR.

6 STRAW BALES ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION

7. WHEN STRAW BALES ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABLUZED AS APPROVED BY LOCAL JURSDICTOR.

DITALS SWITCH FROM THE OF FAMILY, COLDINGS, MIT AND AREA OF EXCUSES

NOTE: MARY JURISDICTIONS HAVE SHIP DETAILS THAT VARY FROM UDECD STANDARD DETAILS CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

Urban Drainage and Flood Control District

æ

 $\mathbf{81}$

Know what's below. Call before you dig.

NC

E RUN RESTORATIONS, II 5090 WILEY RD PEYTON, CO 80831

HOME

WYOMING ESTATES SUBDIVISION EL PASO COUNTY, CO

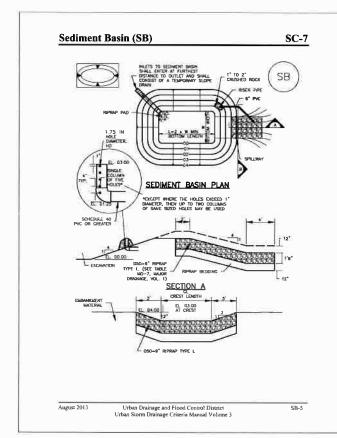
EROSION PLAN

ADING AND F

GR_A

DRAWING NUMBERS

္ပ





Area (rounded to necrest ocre) (ac)	basin Bottum Wieth (w), (ft)	Spittery Crest Length (CL), (ft)	Hote Dicreates (HD). (in
1 2 3 4 5 5 6 7 8 9 10 11 12 13 14 15	12 ½ 21 28 33 ½ 38 ½ 43 47 ½ 51 55 68 ¼ 64 8/ ½ 70 ½	2 3 6 6 8 9 11 12 13 15 16 18 18 18 18	750 750 750 750 750 750 750 750 750 750

SECUMENT BASIN INSTALLATION HOTES

SEE PLAN VIEW FOR:

-LOCATION OF SEDILIBEIT BASIN,
-THE OF BASIN (STANJAND BASIN OF NEWSTAMBARD BASIN)
-THE OF THE SENS (STANJAND BASIN OF NEWSTAMBARD BASIN)
-THE OFFICE OF SET OFFI SET OF NEW SET LENGTH CL. AND HOLE
-FOR THE OFFI SET OF DUMETER, HO.:

-FOR NONSTANDARD BASIA. SEE CONSTRUCTION DRAWN'CS FOR DESIGN OF BASIN MICLIONING RESERVED HT. NUMBER OF COLUMNS N. HOLE DIAMETER HO AND PIPE DAMETER.

2 FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.

3 SCOMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS AS A STORBINATER CONTROL.

EMBANICAENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE CREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT RY MEGICH DASSING THE NO. 200 SEVE.

SI EMBANKMENT MATERAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTAI DE98

E PIPE SCH 40 OR GREATER SHALL BE USED.

SB-6

7. THE DELALS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDMENT BASIN(S) FOR DRAWAGE AREAS LESS THAN 15 ACRES, SEE CONSTRUCTION DRAWNES FOR SHOWMANDLY, ISCHARZ VOLUME SHILLIAN, DUTLE HERDICHION DETAILS FOR ANY SEDMENT SHOWN SHOWN LAND OFFICE HOW PRICE AREAS LORGER THAN 15 ACRES.

Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

Sediment Basin (SB)

SEDMENT BASIN MANITHANCE NOTES

SC-7

2 FREQUENT DESCRIPTIONS AND MAINTENANCE ARE RECESSARY TO MAINTAIN BMP1 IN EFFECTIVE OPERATING CONDITION INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DECLINENTED THORSICIALLY.

3 WHERE BMPs HAVE FAILED, REPAR OR REPLACEMENT SHOULD BE INTIATED UPON DISCOVERY OF THE FAILURE.

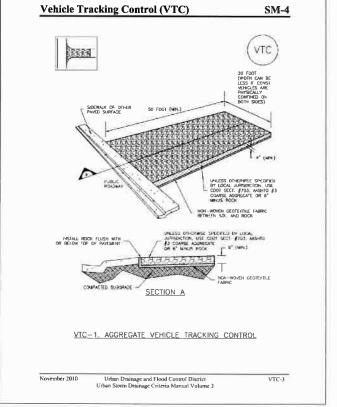
4 SEOMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BIMP EFFECTIVENESS, PROPAGLEY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILINAY CREST).

5 SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND CRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION. WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEDIED AND MULCHED OR OTHERMISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

NOTE: MANY JURISERT ONS HAVE BMP DETAILS THAT VARY FROM LOFCO STANDARD DETAILS CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHICH DIFFERDICES ARE NOTED.

Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3

Vehicle Tracking Control (VTC) SM-4 VTC ESSE 50 FOCT (MIN.) 18855555 NGN-WOVEN GEGTEXTILE COMPACTED SUBSPACE -SECTION A VTC-1. AGGREGATE VEHICLE TRACKING CONTROL Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3



SHEET 3

PCD PROJECT NO. MS196

APPENDIX B

Inspection Checklist

POROUS LANDSCAPE DETENTION (PLD) MAINTENANCE FORM

Subdivision/Business Name:					
Subdivision/Business Address:		Contact Name:			
Maintenance Category: (Circle all that apply)	Routine	Restoration	Rehabilitation		
MAINTENANCE ACTI	VITIES PERFORM	ED			
		H RACK/WELL SCREEN) ICATION)			
RESTORATION WOR	<u>ıK</u>	REHABILITATION	WORK		
OUTOUTFILTEROSION REPINFIEMEOUTREVEGETATIOEMEJET-VAC/CLEAOUTINFI	LOW POINT ILET WORKS IER MEDIA PAIR LOW POINT BANKMENTS ILET WORKS DN BANKMENTS ARING DRAINS ILET WORKS	FiL	ITLET WORKS IBANKMENTS ITTOM STAGE REPAIR		
ESTIMATED TOTAL MANI	**************************************				
COSTS INCURRED (include	de description of costs)	<u> </u>			
EQUIPMENT/MATERIAL U	JSED (include hours of	equipment usage and quar	ntity of material used):		
COMMENTO/ADDITIONAL	INEO:				
COMMENTS/ADDITIONAL	L IINFU.				
This Ballian and Askiller Farms 1 H I					
This Maintenance Activity Form shall b	be kept a minimum of 5	years			