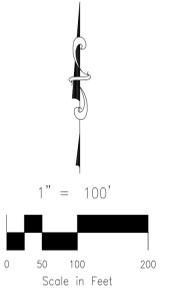




\*PAINT BRUSH HILLS FILING NO. 3\*  
BOOK U.3, PAGE 79

FOR LOCATING & MARKING GAS, ELECTRIC, WATER & TELEPHONE LINES  
FOR BURIED UTILITY INFORMATION  
48 HRS BEFORE YOU DIG  
CALL 1-800-922-1987



**LEGEND**

- (7260) --- EXISTING MAJOR CONTOUR
- (7262) --- EXISTING MINOR CONTOUR
- 7260 --- PROPOSED MAJOR CONTOUR
- 7262 --- PROPOSED MINOR CONTOUR
- FILING BOUNDARY LINE
- CONST BOUNDARY/LIMITS OF DISTURBANCE
- L.P./H.P. (2.0%) LOW POINT/HIGH POINT
- FLOW DIRECTION & SLOPE
- FLOW DIRECTION ARROW/ EMERGENCY OVERFLOW
- EXISTING FLOW DIRECTION ARROW
- EMERGENCY OVERFLOW DIRECTION
- SBB STRAW BALE DITCH CHECK
- VTC VEHICLE TRACKING CONTROL
- SB#1 TEMPORARY SEDIMENT BASIN
- B EARTH BERM

**ADDITIONAL NOTES:**

STAGING, STORAGE AND STOCKPILE AREAS TO BE DETERMINED BY CONTRACTOR IN THE FIELD. THE LOCATIONS SHALL BE DELINEATED ON THIS PLAN BY THE CONTRACTOR.

THE EROSION CONTROL DELINEATED ON THIS PLAN SHALL BE REGULARLY UPDATED BY THE CONTRACTOR.

ALL TEMPORARY OR PERMANENT GRADING DISTURBANCES SHALL BE RE-SEEDDED AND MULCHED PER EL PASO COUNTY CRITERIA AND SPECIFICATIONS.

PROPOSED SLOPES SHALL BE 3:1 OR LESS.

THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL ENGINEERING REPORT AND KEEP A COPY ONSITE DURING ALL EARTHWORK OPERATIONS

NO OFFSITE GRADING IS TO OCCUR.

THE CONTRACTOR SHALL PROTECT ALL AREAS OUTSIDE OF THE CONSTRUCTION LIMITS WITH SILT FENCE OR OTHER METHOD TO PROTECT UNDISTURBED AREAS FROM EROSION.

**SEDIMENT BASIN TABLE**

SEDIMENT BASIN NO.	REQ'D VOLUME C.F.	BASIN WIDTH FT.	BASIN LENGTH FT.	ANTIC WATER FT.	MAX WATER HT FT.	SPILLWAY LENGTH FT.	HOLE DIA. IN.	ROWS OF HOLES IN STANDPIPE
1	7,500	30.0	60.0	4	6	9/16	1	
2	7,500	30.0	60.0	4	6	9/16	1	
3	57,600	74.0	148.0	4	22	1 3/16	1	
4	57,600	74.0	148.0	4	22	1 3/16	1	
5	43,200	64.0	128.0	4	18	1	1	
6	21,600	43.0	86.0	4	9	21/32	1	
7	46,800	68.0	136.0	4	19	1 1/16	1	
8	21,600	43.0	86.0	4	9	21/32	1	

\*UNPLATTED\* TRUSTEE'S DEED RECEPTION NO. 202190199

\*UNPLATTED\* TRUSTEE'S DEED RECEPTION NO. 202190199

\*EXISTING PAINT BRUSH HILLS FILING NO. 12\* REC. NO. 205077511

\*EXISTING PAINT BRUSH HILLS FILING NO. 13D\* REC. NO. 218714078

PAINT BRUSH HILLS FILING NO. 14  
EARLY GRADING AND EROSION CONTROL PLAN  
PROJECT NO. 10-014 FILE: \\ms\c\users\subroder\1004-ep\p004.dwg  
DESIGNED BY: JWP SCALE: DATE: 06/24/2020

20 BOULDER CREEK SUITE 110  
COLORADO SPRINGS, CO 80903  
PHONE 719.585.5485



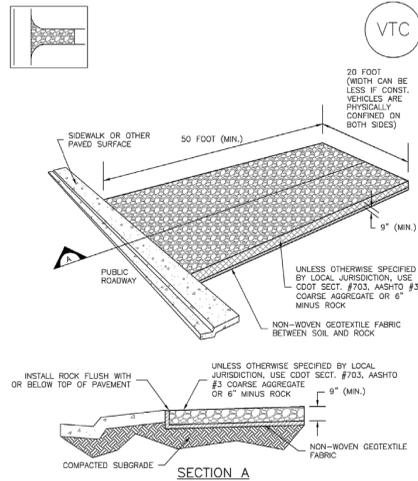
FOR AND ON BEHALF OF M&S CIVIL CONSULTANTS, INC.

VIRGIL A. SANCHEZ, COLORADO P.E. NO. 37160

APPROVED BY: DATE:

NO.	DATE	BY	DESCRIPTION

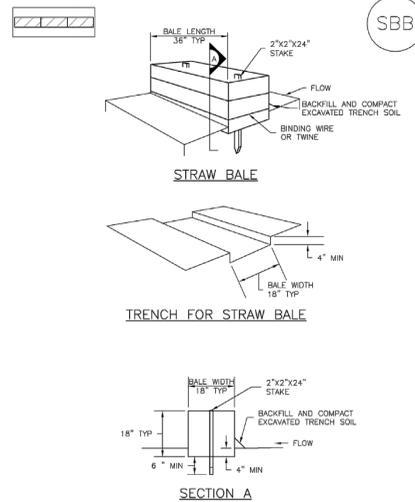
**Vehicle Tracking Control (VTC) SM-4**



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-3

**SC-3 Straw Bale Barrier (SBB)**



SBB-1. STRAW BALE

SBB-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

**EROSION PROTECTION & REVEGETATION REQUIREMENTS "PER U.S.D.A. SOIL CONSERVATION SERVICE GUIDELINES"**

- PRACTICE NO. & NAME: 342 - CRITICAL AREA TREATMENT SANDY FOOTHILLS
- PLANNED:
 

SEEDING METHOD: _____	SEEDING OPERATION: _____
A. METHOD: _____	A. METHOD: _____
B. DATES: _____	B. DATES: _____
C. CLEAN TILLED: _____	C. CLEAN TILLED: _____
FIRM SEEDBED: _____	FIRM SEEDBED: _____
STUBBLE COVER: _____	STUBBLE COVER: _____
INTERSEED: _____	INTERSEED: _____
OTHER: _____	OTHER: _____

FERTILIZER: POUNDS ACTUAL PER ACRE N2 (AVAILABLE) P2O5 K \_\_\_\_\_  
 WEED CONTROL: N/A  
 MOWING: \_\_\_\_\_  
 CHEMICAL: \_\_\_\_\_  
 DATES: \_\_\_\_\_  
 SEE S.C.S. FOR SPECIFIC RECOMMENDATIONS AT HERBICIDE APPLICATION TIME.

MULCH: KIND: \_\_\_\_\_ AMOUNT: \_\_\_\_\_ HOW APPLIED: \_\_\_\_\_ HOW ANCHORED: \_\_\_\_\_ ANCHORAGE DEPTH: \_\_\_\_\_

VARIETY	SPECIES	REQUIRED PLS RATES PER ACRE (100%)
EL RENO	SIDEGRASS	3.0
BARTON	WESTERN WHEATGRASS	2.5
NATIVE	SLENDER WHEATGRASS	2.0
PASTURA	LITTLE BLUESTEM	2.0
NATIVE	SAND DROPSSEED	0.5
NEBRASKA 28	SWITCH GRASS	3.0
MORPHA	WEEPING LOVE GRASS	1.0

(2) % OF SPECIES IN MIXTURE	PLS SEEDING RATE PER SPECIES/ACRE (1) X (2) = (3)	(4) PLANNED ACRE	(5) TOTAL PLS LBS/ (3) X (4)
21	0.63	72.18	45.5
18	0.45	72.18	32.5
14	0.28	72.18	20.2
14	0.28	72.18	20.2
4	0.02	72.18	1.4
21	0.63	72.18	45.5
7	0.07	72.18	5.1

**SEEDING GUIDELINES:**

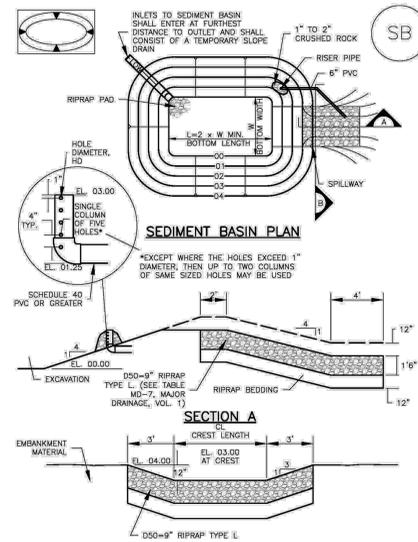
- SEEDBED PREPARATION:** THE SEEDBED SHOULD BE WELL-SETTLED AND FIRM, BUT FRIABLE ENOUGH THAT THE SEED CAN BE PLACED AT THE SPECIFIED DEPTHS. COMPETITIVE STANDS OF WEEDS THAT ARE PRESENT BEFORE SEEDING MUST BE CONTROLLED BY SHALLOW TILLAGE OR BY APPLICATION OF HERBICIDES. SOILS THAT HAVE BEEN OVER-COMPACTED BY TRAFFIC OR EQUIPMENT, ESPECIALLY WHEN WET, SHOULD BE TILLED TO BREAK UP ROOTING-RESTRICTIVE LAYERS, THEN HARROWED, ROLLED, OR PACKED TO PREPARE THE REQUIRED FIRM SEEDBED.
- FERTILIZER:** FERTILIZER SHOULD BE APPLIED AT A RATE OF 50 POUNDS OF AVAILABLE NITROGEN PER ACRE AND 40 POUNDS OF AVAILABLE PHOSPHATE PER ACRE. THE TIMING OF APPLICATION SHOULD BE IMMEDIATELY PRIOR TO SEEDING, AT THE TIME OF SEEDING, OR IMMEDIATELY FOLLOWING SEEDING, DEPENDING ON THE KIND OF FERTILIZER AND TYPE OF EQUIPMENT USED.
- SEEDING:** SEED SHOULD BE PLANTED WITH A GRASS DRILL ON ALL SLOPES OF 3:3% (3:1) OR FLATTER. SEED MAY BE BROADCAST BY HAND, BY MECHANICAL SPREADER, OR BY HYDRAULIC EQUIPMENT ON AREAS THAT ARE SMALL, TOO STEEP, OR NOT ACCESSIBLE FOR SEED DRILL OPERATIONS. SEED PLANTED WITH A DRILL SHOULD BE COVERED WITH SOIL TO A DEPTH OF 1/4 TO 3/4 INCH. SEED PLANTED BY THE BROADCAST METHOD SHALL BE INCORPORATED INTO THE SOIL SURFACE, NOT TO EXCEED A DEPTH OF 3/4 INCH, BY RAKING, HARROWING, OR OTHER PROVEN METHOD.

**EROSION CONTROL CRITERIA:**

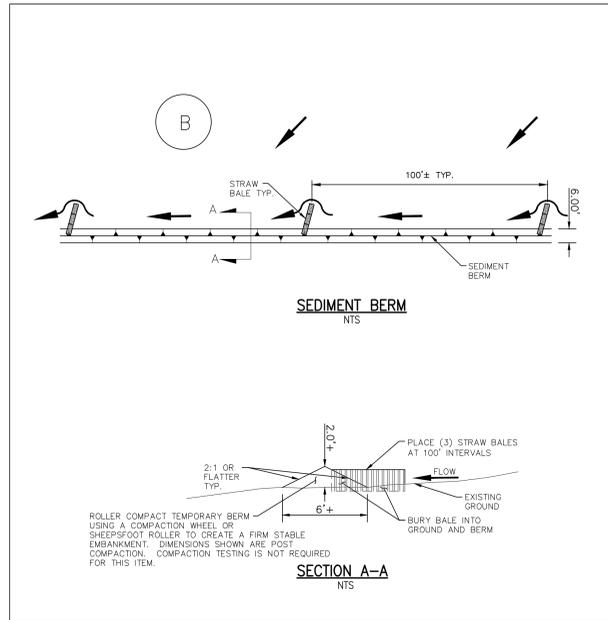
- EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN A MANNER THAT WILL PROTECT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION AND EARTHWORK ACTIVITIES WITHIN THE PROJECT SITE.
- PRIOR TO START OF GRADING OPERATIONS, LOCATE AND SET THE SILT FENCE AND VEHICLE TRACKING CONTROL AS SHOWN ON THE EROSION CONTROL PLAN.
  - THE SILT FENCE SHALL BE KEPT IN PLACE AND MAINTAINED UNTIL EROSION AND SEDIMENTATION POTENTIAL IS MITIGATED. REMOVAL OF SILT AND SEDIMENT COLLECTED BY THE SILT FENCES IS REQUIRED ONCE IT REACHES HALF THE HEIGHT OF THE SILT FENCES.
  - EROSION CONTROL DEVICES SHOULD BE CHECKED AFTER EVERY STORM OR NOT MORE THAN EVERY 14 DAYS. REPAIRS OR REPLACEMENT SHOULD BE MADE AS NECESSARY TO MAINTAIN PROPER PROTECTION.
- SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN TWENTY-ONE (21) CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT THE FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMP'S SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.

**NOTE**  
 SEE URBAN DRAINAGE CRITERIA MANUAL (VOL. 3) FOR INSTALLATION AND MAINTENANCE (TYP)

**Sediment Basin (SB) SC-7**



August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5



SECTION A-A NTS



FOR AND ON BEHALF OF M&S CIVIL CONSULTANTS, INC.

MICHEL A. SANCHEZ, COLORADO P.E. NO. 37160

NO.	DATE	BY	DESCRIPTION

THE ENGINEER PREPARED THESE PLANS AND MUST BE RESPONSIBLE FOR ANY UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARED OF THESE PLANS.

CAUTION