

GENERAL CONSTRUCTION NOTES:

- 1. ALL CONSTRUCTION WITHIN EL PASO COUNTY PUBLIC RIGHT-WAYS SHALL BE IN ACCORDANCE WITH MOST CURRENT STANDARDS AND SPECIFICATIONS OF EL PASO COUNTY.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK...

MIDTOWN COLLECTION AT HANNAH RIDGE FILING NO. 3
COUNTY OF EL PASO, STATE OF COLORADO
STOCK PILE GRADING & EROSION CONTROL PLAN

AUGUST 2020

SECTION 32, TOWNSHIP 13 SOUTH, RANGE 65 WEST

AGENCIES:

DEVELOPER:

CIVIL ENGINEER: (SWMP PREPARER)

COUNTY ENGINEERING:

WATER & SANITATION DISTRICT:

FIRE DISTRICT:

GAS COMPANY:

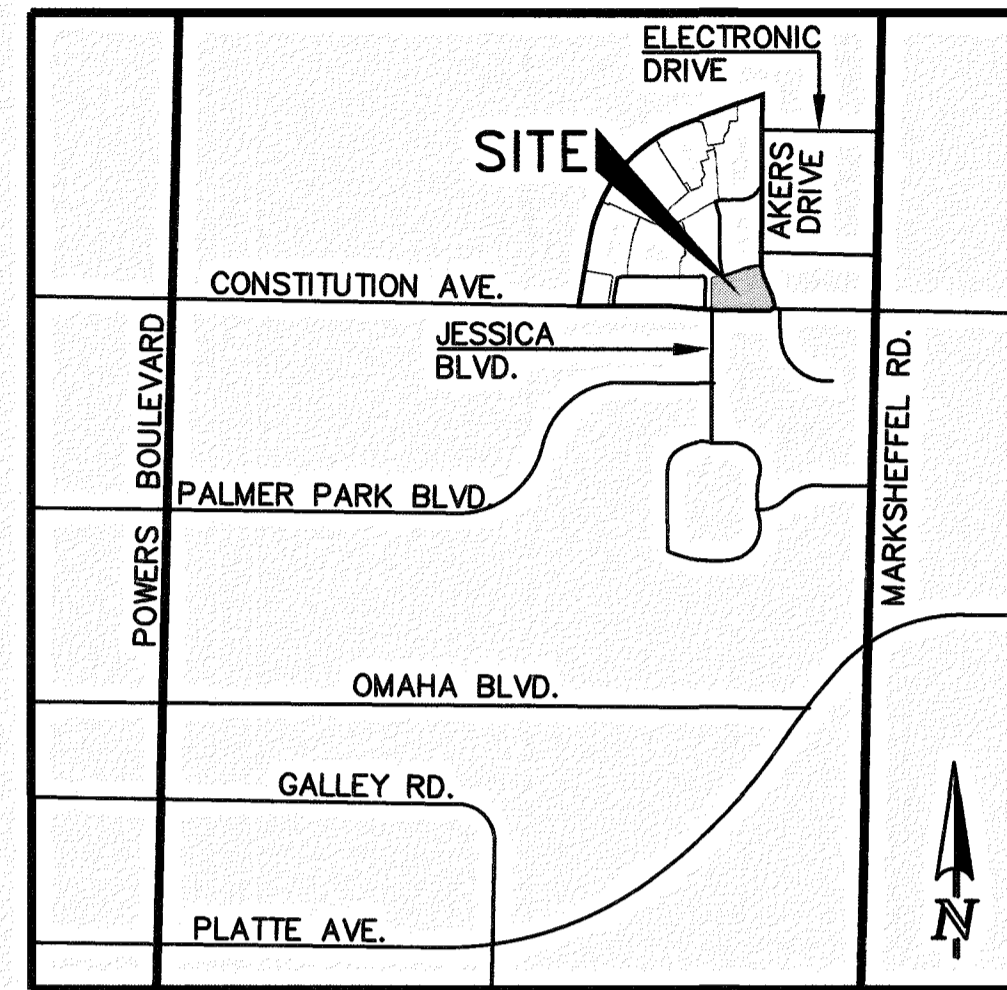
ELECTRIC COMPANY:

TELEPHONE COMPANY:

EARTHWORKS CONTRACTOR:

STORMWATER MANAGER:

ELITE PROPERTIES OF AMERICA, INC. 2138 FLYING HORSE CLUB DRIVE COLORADO SPRINGS, CO 80921 MR. JIM BOULTON (719) 592-9333
CLASSIC CONSULTING ENGINEERS & SURVEYORS 619 N. CASCADE AVENUE, SUITE 200 COLORADO SPRINGS, CO 80903 MR. KYLE R. CAMPBELL, P.E. (719) 785-0790



SHEET INDEX

Table with 2 columns: TITLE SHEET, SHEET 1 OF 3; STOCK PILE GRADING PLAN INCLUDING EROSION CONTROL, SHEET 2 OF 3; STOCK PILE GRADING AND EROSION CONTROL DETAILS, SHEET 3 OF 3

BENCHMARKS:

A #5 REBAR LOCATED APPROXIMATELY 170 FEET NORTHEAST OF THE NORTHEASTERLY CORNER OF TRACTS JJ AS PLATTED IN HANNAH RIDGE AT FEATHERGRASS FILING NO. 1, LABELED AS PANEL POINT #11 ELEVATION = 6523.79
A 1 INCH ORANGE PLASTIC CAP STAMPED "13225" LOCATED AT THE SOUTHWESTERLY CORNER OF TRACT AA AS PLATTED IN HANNAH RIDGE AT FEATHERGRASS FILING NO. 1 ELEVATION = 6485.00

BASIS OF BEARINGS:

A PORTION OF THE NORTHERLY RIGHT OF WAY OF CONSTITUTION AVENUE BEING MONUMENTED AT THE EAST END BY A 4 IN PLASTIC CAP STAMPED "PLS 13225" AND ON THE WEST END BY A PLASTIC CAP STAMPED "MVE 17665", IS ASSUMED TO BEAR N89°57'07"W, A DISTANCE OF 108.33 FEET.

EL PASO COUNTY STANDARD CONSTRUCTION NOTES:

- 1. ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION...

EL PASO COUNTY GRADING AND EROSION CONTROL NOTES:

- 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...

TIMING SCHEDULE:

ANTICIPATED STARTING AND COMPLETION TIME PERIOD OF SITE GRADING: SEPTEMBER 2020
EXPECTED DATE ON WHICH THE FINAL STABILIZATION WILL BE COMPLETED: SEPTEMBER 2021
TOTAL AREA OF THE SITE TO BE CLEARED, EXCAVATED OR GRADED: 4.78 ACRES
RECEIVING WATERS: SAND CREEK DRAINAGE BASIN

APPROVALS:

ENGINEER'S STATEMENT:

GRADING AND EROSION CONTROL PLANS WITHIN CD'S ENGINEER'S STATEMENT: THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS...

OWNER/DEVELOPER 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.

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 AND/OR ACCURACY OF THIS DOCUMENT, FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 & 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED.

JENNIFER IRVINE, P.E. COUNTY ENGINEER / ECM ADMINISTRATOR

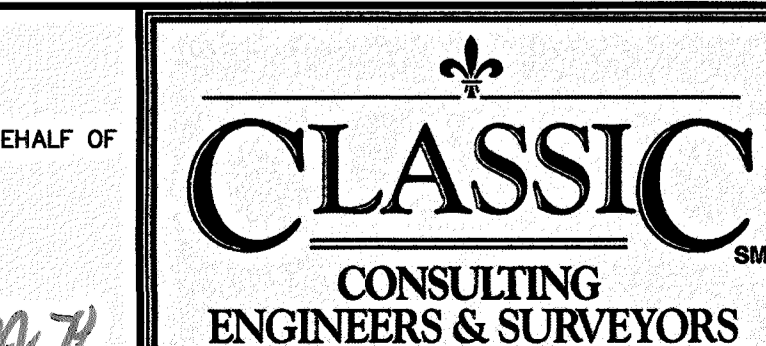


Table with columns: DESIGNED BY, SCALE, DATE, DRAWN BY, SHEET, CHECKED BY, JOB NO.

Table with columns: NO. REVISION, DATE, REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS 811 UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK...

NOTE:  
SEE SHEET 3 FOR EROSION CONTROL DETAILS

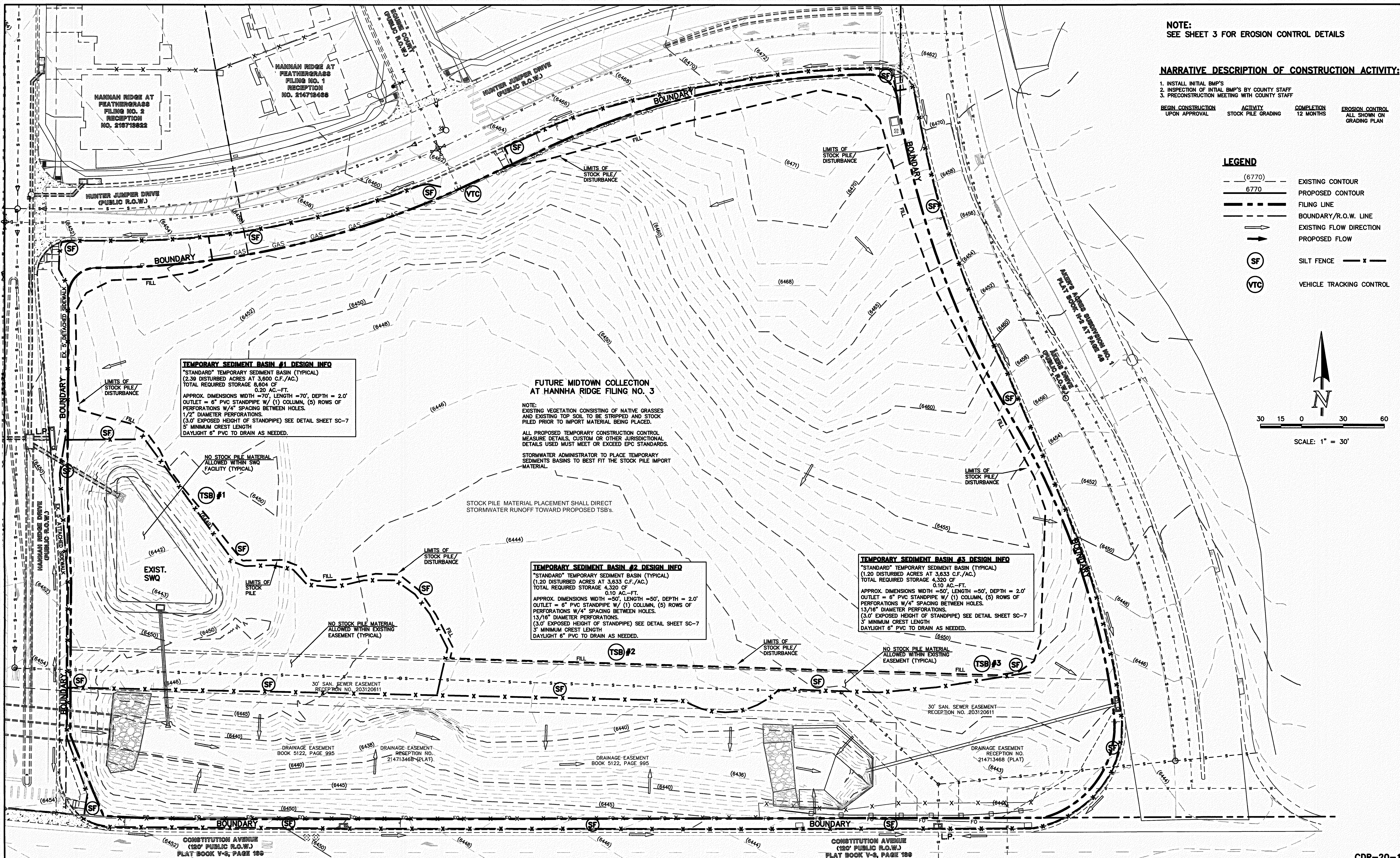
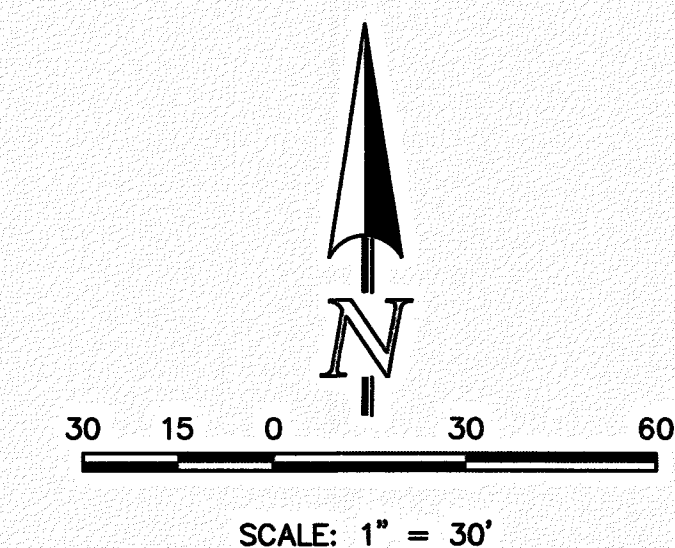
**NARRATIVE DESCRIPTION OF CONSTRUCTION ACTIVITY:**

1. INSTALL INITIAL BMP'S BY COUNTY STAFF
2. INSPECTION OF INTIAL BMP'S BY COUNTY STAFF
3. PRECONSTRUCTION MEETING WITH COUNTY STAFF

BEGIN CONSTRUCTION UPON APPROVAL	ACTIVITY STOCK PILE GRADING	COMPLETION 12 MONTHS	EROSION CONTROL ALL SHOWN ON GRADING PLAN
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**LEGEND**

- (6770) --- EXISTING CONTOUR
- 6770 --- PROPOSED CONTOUR
- FILING LINE
- BOUNDARY/R.O.W. LINE
- EXISTING FLOW DIRECTION
- PROPOSED FLOW
- (SF) SILT FENCE
- (VTC) VEHICLE TRACKING CONTROL



**TEMPORARY SEDIMENT BASIN #1 DESIGN INFO**  
 "STANDARD" TEMPORARY SEDIMENT BASIN (TYPICAL)  
 (2.39 DISTURBED ACRES AT 3,600 C.F./AC.)  
 TOTAL REQUIRED STORAGE 8,604 CF  
 0.20 AC.-FT.  
 APPROX. DIMENSIONS WIDTH = 70', LENGTH = 70', DEPTH = 2.0'  
 OUTLET = 6" PVC STANDPIPE W/ (1) COLUMN, (5) ROWS OF PERFORATIONS W/ 4" SPACING BETWEEN HOLES.  
 1/2" DIAMETER PERFORATIONS.  
 (3.0' EXPOSED HEIGHT OF STANDPIPE) SEE DETAIL SHEET SC-7  
 5' MINIMUM CREST LENGTH  
 DAYLIGHT 6" PVC TO DRAIN AS NEEDED.

**FUTURE MIDTOWN COLLECTION AT HANNAH RIDGE FILING NO. 3**  
 NOTE:  
 EXISTING VEGETATION CONSISTING OF NATIVE GRASSES AND EXISTING TOP SOIL TO BE STRIPPED AND STOCK PILED PRIOR TO IMPORT MATERIAL BEING PLACED.  
 ALL PROPOSED TEMPORARY CONSTRUCTION CONTROL MEASURE DETAILS, CUSTOM OR OTHER JURISDICTIONAL DETAILS USED MUST MEET OR EXCEED EPC STANDARDS.  
 STORMWATER ADMINISTRATOR TO PLACE TEMPORARY SEDIMENTS BASINS TO BEST FIT THE STOCK PILE IMPORT MATERIAL.

**TEMPORARY SEDIMENT BASIN #2 DESIGN INFO**  
 "STANDARD" TEMPORARY SEDIMENT BASIN (TYPICAL)  
 (1.20 DISTURBED ACRES AT 3,633 C.F./AC.)  
 TOTAL REQUIRED STORAGE 4,320 CF  
 0.10 AC.-FT.  
 APPROX. DIMENSIONS WIDTH = 50', LENGTH = 50', DEPTH = 2.0'  
 OUTLET = 6" PVC STANDPIPE W/ (1) COLUMN, (5) ROWS OF PERFORATIONS W/ 4" SPACING BETWEEN HOLES.  
 13/16" DIAMETER PERFORATIONS.  
 (3.0' EXPOSED HEIGHT OF STANDPIPE) SEE DETAIL SHEET SC-7  
 5' MINIMUM CREST LENGTH  
 DAYLIGHT 6" PVC TO DRAIN AS NEEDED.

**TEMPORARY SEDIMENT BASIN #3 DESIGN INFO**  
 "STANDARD" TEMPORARY SEDIMENT BASIN (TYPICAL)  
 (1.20 DISTURBED ACRES AT 3,633 C.F./AC.)  
 TOTAL REQUIRED STORAGE 4,320 CF  
 0.10 AC.-FT.  
 APPROX. DIMENSIONS WIDTH = 50', LENGTH = 50', DEPTH = 2.0'  
 OUTLET = 6" PVC STANDPIPE W/ (1) COLUMN, (5) ROWS OF PERFORATIONS W/ 4" SPACING BETWEEN HOLES.  
 13/16" DIAMETER PERFORATIONS.  
 (3.0' EXPOSED HEIGHT OF STANDPIPE) SEE DETAIL SHEET SC-7  
 5' MINIMUM CREST LENGTH  
 DAYLIGHT 6" PVC TO DRAIN AS NEEDED.

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS  
**811**  
UTILITY NOTIFICATION CENTER OF COLORADO  
IT'S THE LAW  
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NO. REVISION	DATE	REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  
 KYLE R. CAMPBELL, COLORADO P.E. #29794  
 DATE 7-22-20

**CLASSIC**  
CONSULTING ENGINEERS & SURVEYORS  
 619 N. Cascade Avenue, Suite 200 (719) 785-0790  
 Colorado Springs, Colorado 80903 (719) 785-0799(Fax)

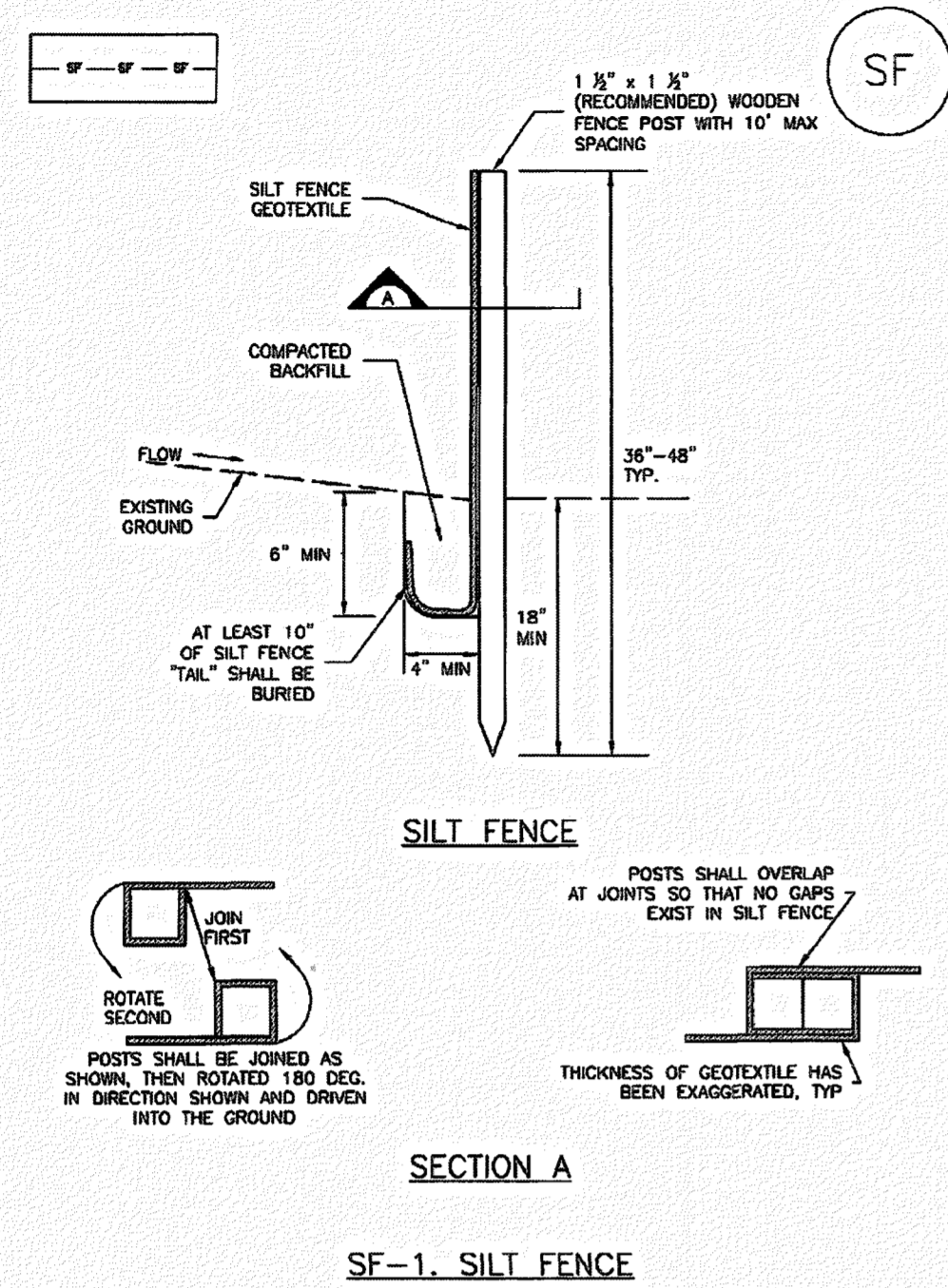
**MIDTOWN COLLECTION AT HANNAH RIDGE FILING NO. 3 STOCK PILE GRADING & EROSION CONTROL PLAN**

DESIGNED BY	KRC	SCALE	DATE	09/22/20
DRAWN BY	KC	(H) 1" = 30'	SHEET	2 OF 3
CHECKED BY	(V) 1" = NA	JOB NO.	1116.35	

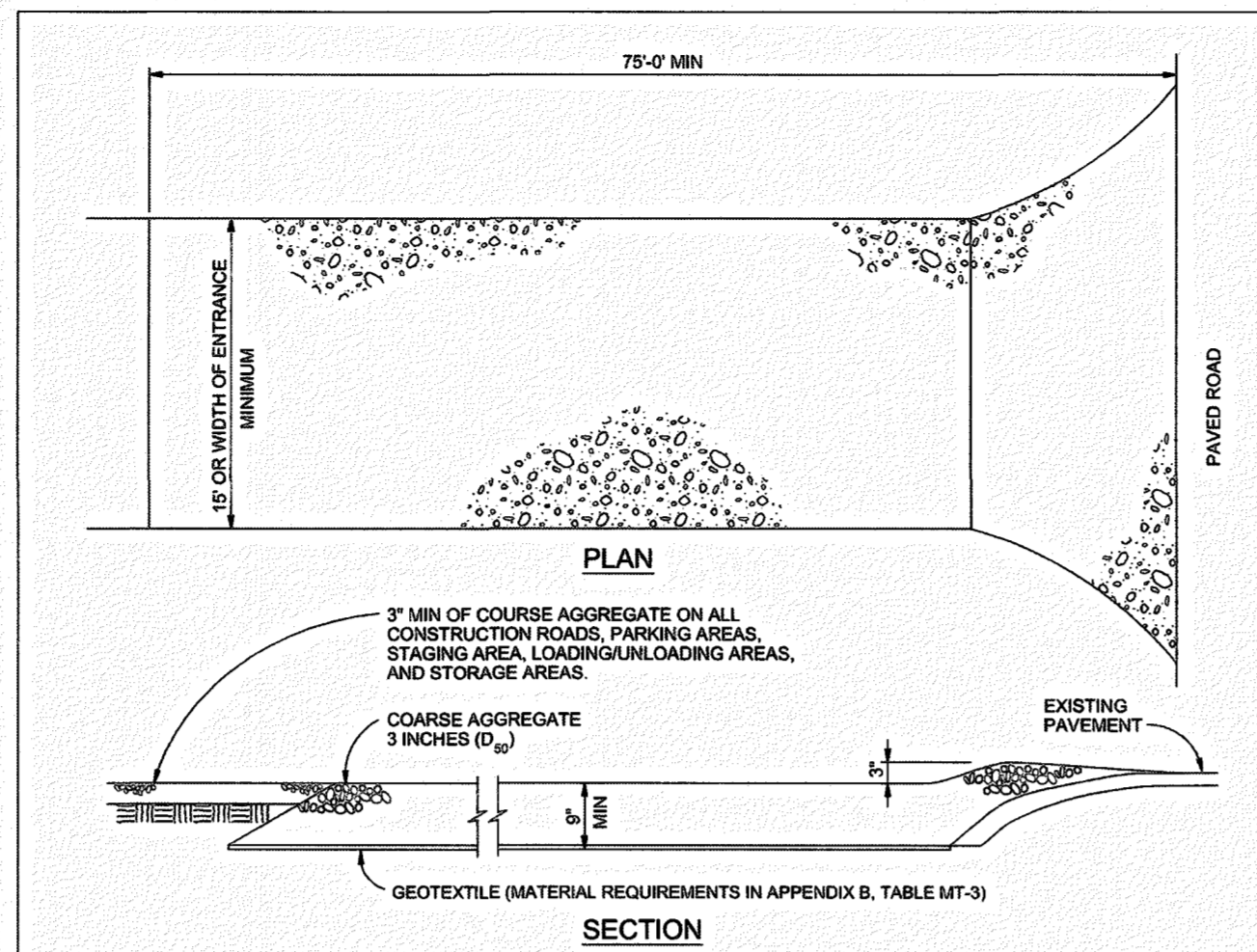
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Silt Fence (SF)

SC-1



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



VEHICLE TRACKING NOTES

INSTALLATION REQUIREMENTS

1. ALL ENTRANCES TO THE CONSTRUCTION SITE ARE TO BE STABILIZED PRIOR TO CONSTRUCTION BEGINNING.
2. CONSTRUCTION ENTRANCES ARE TO BE BUILT WITH AN APRON TO ALLOW FOR TURNING TRAFFIC, BUT SHOULD NOT BE BUILT OVER EXISTING PAVEMENT EXCEPT FOR A SLIGHT OVERLAP.
3. AREAS TO BE STABILIZED ARE TO BE PROPERLY GRADED AND COMPACTED PRIOR TO LAYING DOWN GEOTEXTILE AND STONE.
4. CONSTRUCTION ROADS, PARKING AREAS, LOADING/UNLOADING ZONES, STORAGE AREAS, AND STAGING AREAS ARE TO BE STABILIZED.
5. CONSTRUCTION ROADS ARE TO BE BUILT TO CONFORM TO SITE GRADINGS, BUT SHOULD NOT HAVE SIDE SLOPES OR ROAD GRADINGS THAT ARE EXCESSIVELY STEEP.

MAINTENANCE REQUIREMENTS

1. REGULAR INSPECTIONS ARE TO BE MADE OF ALL STABILIZED AREAS, ESPECIALLY AFTER STORM EVENTS.
2. STONES ARE TO BE REAPPLIED PERIODICALLY AND WHEN REPAIR IS NECESSARY.
3. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED DAILY BY SHOVELING OR SWEEPING. SEDIMENT IS NOT TO BE WASHED DOWN STORM SEWER DRAINS.
4. STORM SEWER INLET PROTECTION IS TO BE IN PLACE, INSPECTED, AND CLEANED IF NECESSARY.
5. OTHER ASSOCIATED SEDIMENT CONTROL MEASURES ARE TO BE INSPECTED TO ENSURE GOOD WORKING CONDITION.

City of Colorado Springs Stormwater Quality Figure VT-2 Vehicle Tracking Application Examples 3-54

Table 14-12. Recommended Seed Mix for all other Soils in Upland Areas

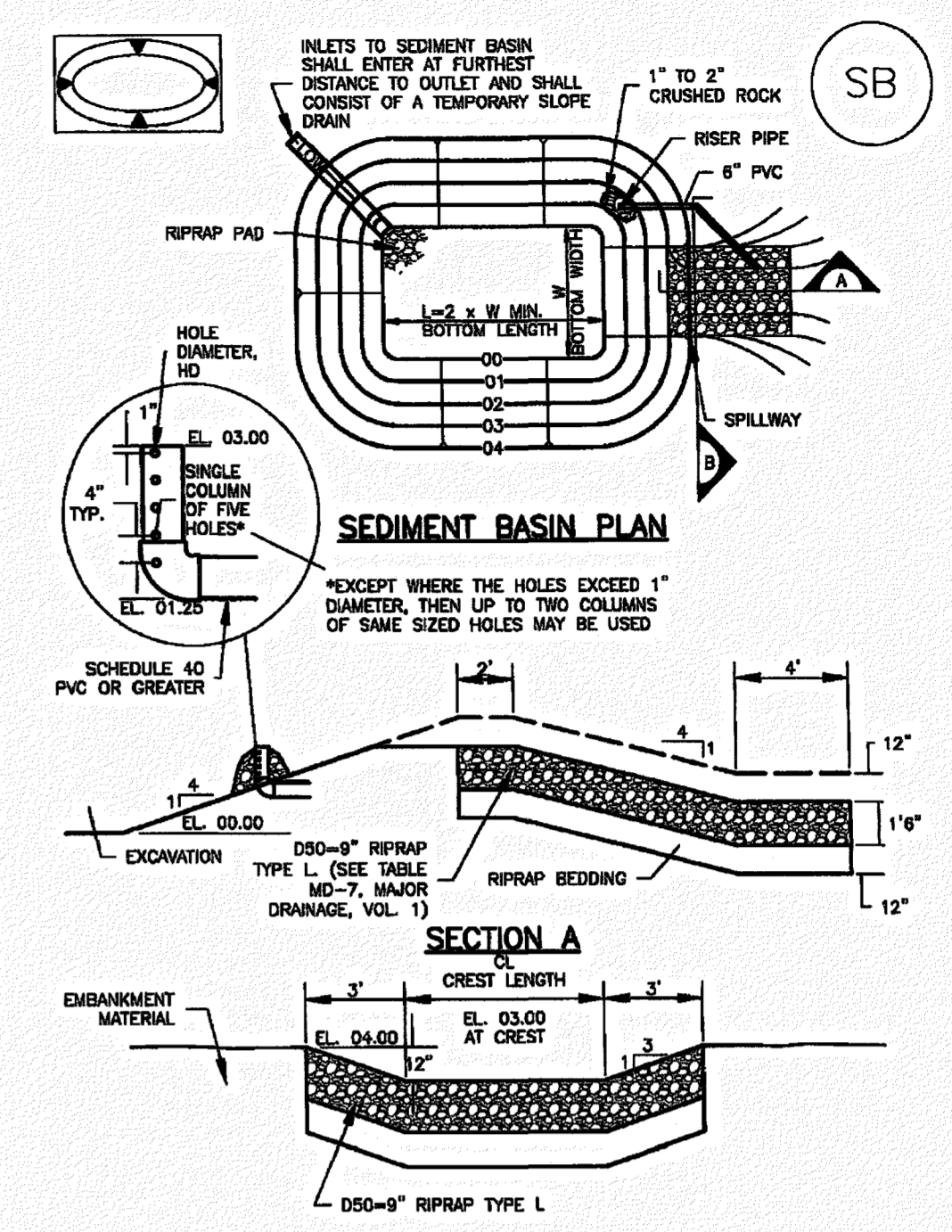
Common Name (Variety)	Scientific Name	Growth Season	Growth Form	Seeds/Lb	Lbs PLS/Acre Drilled	Lbs PLS/Acre Broadcast or Hydroseeded
Sheep fescue	<i>Festuca ovina</i>	Cool	Bunch	680,000	0.6	1.2
Canby bluegrass	<i>Poa canbyi</i>	Cool	Bunch	926,000	0.5	1.0
Thickspike wheatgrass (Critana)	<i>Elymus lanceolatus</i>	Cool	Bunch	154,000	5.7	11.4
Western wheatgrass (Arriba)	<i>Pascopyrum smithii</i>	Cool	Sod	110,000	7.9	15.8
Blue grama (Hachita)	<i>Chondrosum gracile</i>	Warm	Sod	825,000	1.1	2.2
Switchgrass (Pathfinder)	<i>Panicum virgatum</i>	Warm	Sod/Brush	389,000	1.0	2.0
Side-oats grama (Butte)	<i>Bouteloua curtipendula</i>	Warm	Sod	191,000	2.0	4.0
Annual rye	<i>Lolium multiflorum</i>	Cool	Cover crop	227,000	10.0	20.0
				<b>TOTAL</b>	<b>28.8</b>	<b>57.6</b>
<b>Wildflowers</b>						
Blanket flower	<i>Faillardia aristata</i>	---	---	132,000	0.25	0.50
Prairie coneflower	<i>Ratibida columnaris</i>	---	---	1,230,000	0.20	0.40
Purple prairie clover	<i>Petalostemum purpurea</i>	---	---	210,000	0.20	0.40
Gayfeather	<i>Liatris punctata</i>	---	---	138,000	0.06	0.12
Flax	<i>Linum lewisii</i>	---	---	293,000	0.20	0.40
Penstemon	<i>Penstemon strictus</i>	---	---	592,000	0.20	0.40
Yarrow	<i>Achillea millefolium</i>	---	---	2,770,000	0.03	0.06
				<b>TOTAL</b>	<b>1.14</b>	<b>2.28</b>

The seed mixes in Tables 14-9 through 14-12 include recommended wildflowers that can be sown at the same time or after the grass seed mix. Table 14-13 includes a general wildflower seed mix that can be used in sunny locations. This mix includes more drought tolerant, native perennials and can also be sown at the same time as a grass seed mix, or after. When more wildflowers are desired, the mix in Table 14-13 is recommended instead of the species shown in Tables 14-9 through 14-12. Wildflowers are only included for visual quality as directed by the City of Colorado Springs Landscape Code and Policy Manual. Wildflowers are not intended for erosion control.

14-24 City of Colorado Springs Drainage Criteria Manual, Volume 1 May 2014

Sediment Basin (SB)

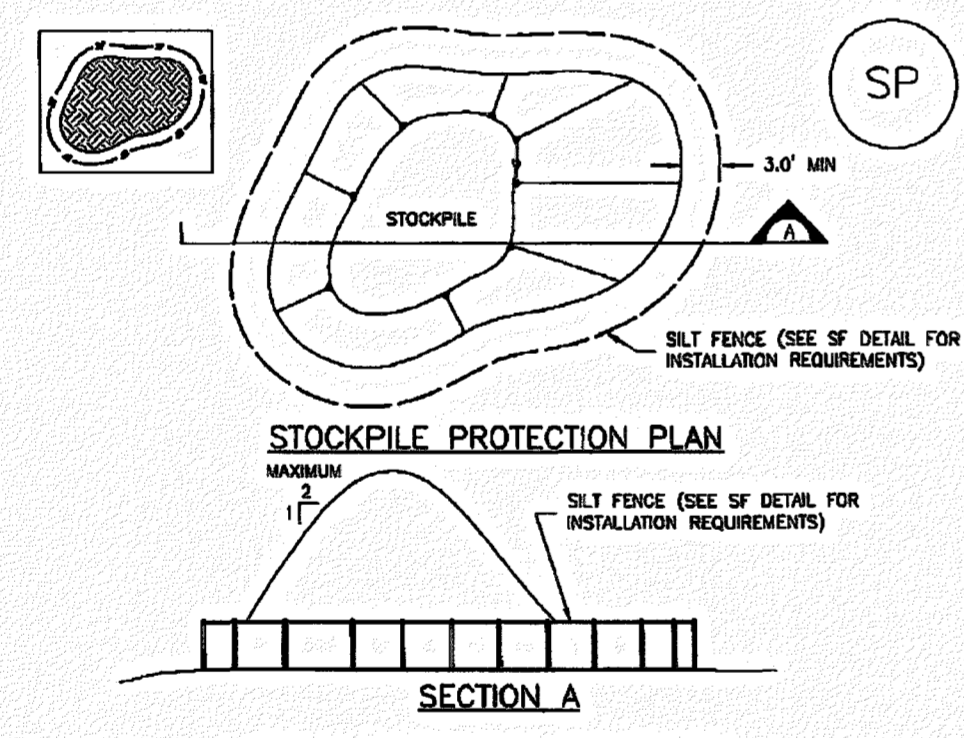
SC-7



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

Stockpile Management (SP)

MM-2



STOCKPILE PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
  - LOCATION OF STOCKPILES.
  - TYPE OF STOCKPILE PROTECTION.
2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.
3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNDRIFT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

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NOTES:

- NO PHASING PLAN PROPOSED FOR THIS PROJECT. GRADING WITHIN THIS PROJECT WILL BE FULLY DEVELOPED FOLLOWING HOME BUILDING OPERATIONS WITHIN FILING NO. 3.
- THE AVERAGE SOIL CONDITION REFLECTS HYDROLOGIC GROUP A BLAKELAND LOAMY SAND AS DETERMINED BY THE "SOIL SURVEY OF EL PASO COUNTY AREA" PREPARED BY THE SOIL CONSERVATION SERVICE.
- NO PORTION OF THIS SITE IS LOCATED WITHIN A FLOODPLAIN AS DETERMINED BY THE FLOOD INSURANCE RATE MAPS (F.I.R.M.) MAP NUMBER 08041C0752G AND 08041C0756G, EFFECTIVE DATE, DECEMBER 7, 2018.
- STOCKPILE LOCATION, STORAGE OF MAINTENANCE EQUIPMENT AND TEMPORARY DISPOSAL AREAS (CONCRETE WASHOUT) ARE LOCATED OFF SITE FOR HOMEBUILDING. CONCRETE WASHOUT FOR DEVELOPMENT (CURB AND GUTTER) TO BE TEMPORARILY LOCATED BY CONTRACTOR AND UPDATED ON THIS PLAN. LOCATION OF STAGING AREAS, STORAGE FOR MAINTENANCE EQUIPMENT, TEMPORARY DISPOSAL AREAS AND SPILL PREVENTION AND RESPONSE PLAN PROCEDURES WILL BE ADDED TO THIS PLAN BY SWMP ADMINISTRATOR UPON COORDINATION WITH SELECTED CONTRACTOR AND SHALL BE WITHIN CONSTRUCTION SITE BOUNDARIES AS SHOWN.
- EXISTING VEGETATION CONSISTS OF TALL NATIVE GRASSES AND WEEDS WITH SPORADIC CACTI AND YUCCAS THROUGHOUT THE SITE. NEW DISTURBED AREAS TO BE RESEEDED AFTER WORK IS COMPLETED. FINAL VEGETATIVE COVER DENSITY IS TO BE 70% OF PRE-DISTURBED LEVELS.
- LIMITS OF DISTURBANCE FOR THIS PLAN INCLUDE STOCK PILE GRADING FOR DEVELOPMENT THEN OVERLOT GRADING FOR LOTS FOR HOMEBUILDING.
- NO STREAMS CROSS THIS PROJECT. NO OFFSITE GRADING PROPOSED WITH THIS PROJECT.
- ALL DISTURBED AREAS ARE TO BE RE-SEEDED OUTSIDE OF THE FILING NO. 3 AREA. RESEED ALL AREAS AS NEEDED TO PREVENT EROSION AND SEDIMENT RUNOFF ONTO CONSTRUCTION ACTIVITIES.
- "SOIL, GEOLOGY, AND GEOLOGIC HAZARD STUDY MIDTOWN AT HANNAH RIDGE, FILING NO. 3 AKERS DRIVE AND CONSTITUTION AVENUE EL PASO COUNTY, COLORADO" PREPARED BY ENTECH ENGINEERING, INC. AVAILABLE AT THE EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT.

TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 1/2	2	8 1/2
2	21	3	14 1/2
3	28	5	16
4	33 1/2	6	18 1/2
5	38 1/2	8	22 1/2
6	43	11	24 1/2
7	47 1/2	11	26 1/2
8	51	12	28 1/2
9	55	13	30 1/2
10	58 1/2	15	32 1/2
11	61	16	34 1/2
12	64	18	36 1/2
13	67 1/2	19	38 1/2
14	70 1/2	21	40 1/2
15	73 1/2	22	42 1/2

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
  - LOCATION OF SEDIMENT BASIN.
  - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
  - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
  - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
3. SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON GR BASINS AS A STORMWATER CONTROL.
4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D988.
6. PIPE SCH 40 OR GREATER SHALL BE USED.
7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

SB-6 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 August 2013

NO.	REVISION	DATE

REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

KYLE R. CAMPBELL, COLORADO P.E. #29794

DATE: 9-24-20

**CLASSIC** CONSULTING ENGINEERS & SURVEYORS

619 N. Cascade Avenue, Suite 200 Colorado Springs, Colorado 80903

(719) 785-0790 (719) 785-0799 (fax)

MIDTOWN COLLECTION AT HANNAH RIDGE FILING NO. 3 STOCK PILE GRADING & EROSION CONTROL PLAN DETAILS

DESIGNED BY: KRC SCALE: DATE: 09/22/20

DRAWN BY: KC (H) 1"= N/A SHEET 3 OF 3

CHECKED BY: (V) 1"= N/A JOB NO. 1116.35