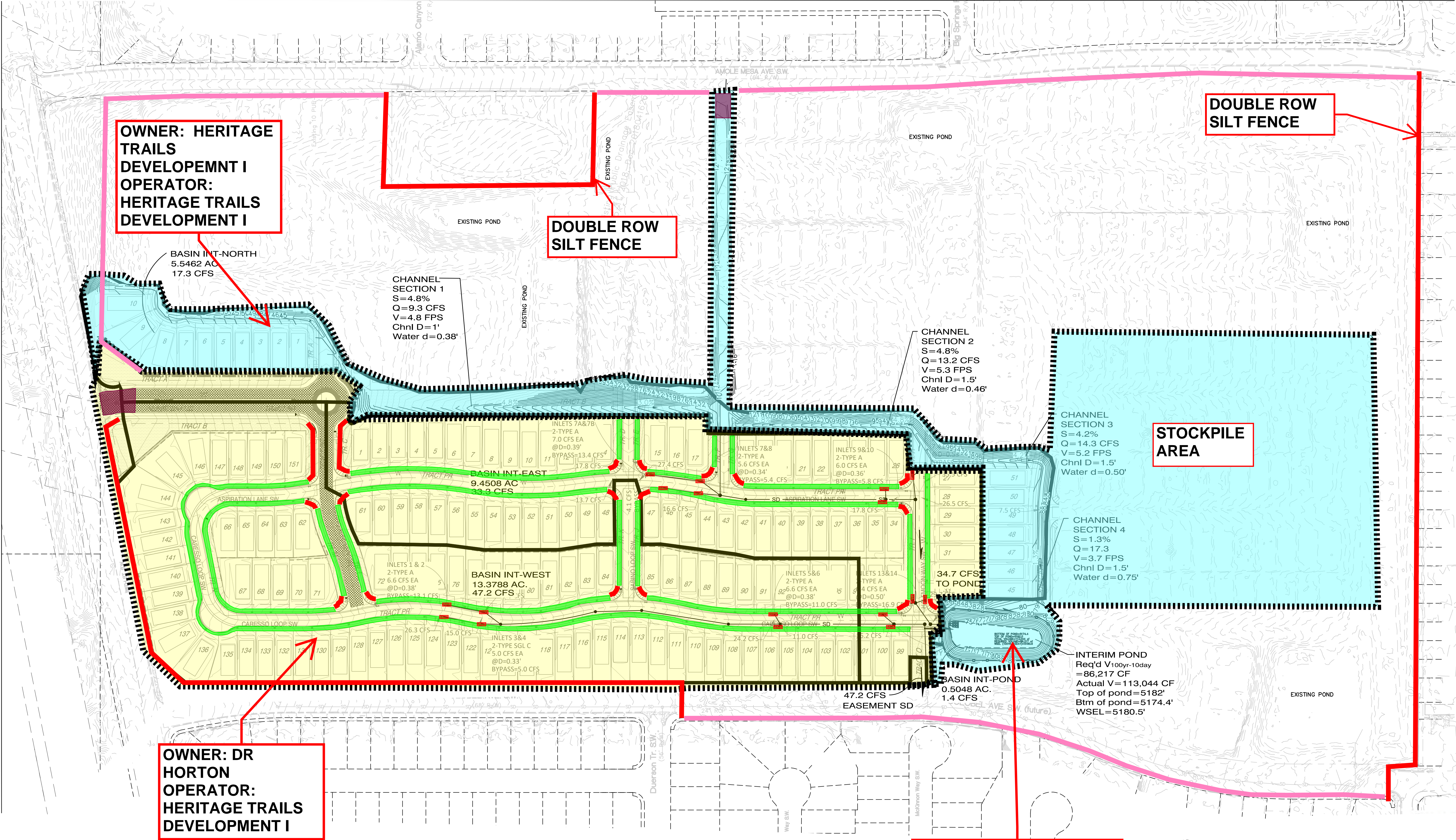


ALL HOA AREAS FOR  
PHASE 1 TO BE  
STABILIZED PER THE  
ATTACHED DRAWING.



OWNER: HERITAGE  
TRAILS  
DEVELOPEMNT I  
OPERATOR:  
HERITAGE TRAILS  
DEVELOPMENT I

DOUBLE ROW  
SILT FENCE

DOUBLE ROW  
SILT FENCE

STOCKPILE  
AREA

OWNER: DR  
HORTON  
OPERATOR:  
HERITAGE TRAILS  
DEVELOPMENT I

TEMPORARY POND TO BE  
BUILT WITH PHASE 1

**BMP MAP LEGEND**

- LIMITS OF DISTURBANCE
- PERIMETER BMP (SILT FENCE)
- EXISTING CMU WALL TO REMAIN
- CUT BACK CURB
- INLET PROTECTION
- FLOW DIRECTION
- VTC (VEHICLE TRACK-OUT CONTROL)
- PORTABLE TOILETS
- WASTE CONTAINER
- CONCRETE WASHOUT
- DR HORTON
- HERITAGE TRAILS DEVELOPMENT I



OPERATOR: DR HORTON, INC.

TOTAL SITE AREA: 39.21 ACRES  
TOTAL DISTURBED AREA: 39.21 ACRES

RECEIVING WATERS: RIO GRANDE  
RIVER (ISLETA PUEBLO BOUNDARY  
TO TIJERAS ARROYO)

REFER TO THE ESC BMP DETAILS  
(ESC-4) FOR INSTALLATION,  
INSPECTION AND MAINTENANCE  
REQUIREMENTS.

**\*\*GRADING PLAN BY OTHERS\*\***

ASPIRE SUBDIVISION UNIT 1

TEMPORARY EROSION AND  
SEDIMENT CONTROL PLAN

Drawn By:  
M. VALLEJOS, CPESC, CISEC

03/12/2021



ESC-1



Silt Fence Detail

**Non-woven Silt Fence**

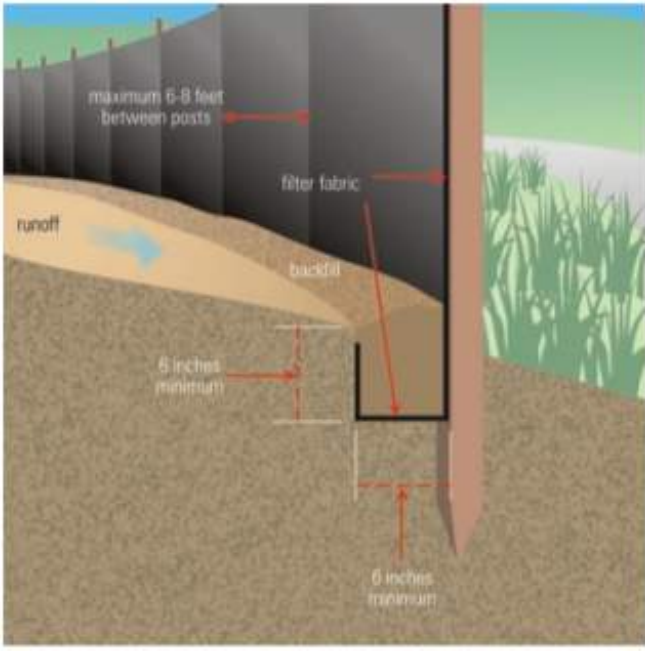
A silt fence is a temporary sediment barrier consisting of a geotextile attached to supporting posts and trenched into the ground. Intended to retain sediment that has been dislodged by stormwater.

Use silt fence as a perimeter control particularly at lower or down slope edge of a disturbed area. Leave space for maintenance between slope and silt fence or roll. Trench in the silt fence on the uphill side (6 in deep by 6 in wide). Install stakes on the downhill side of the fence. Curve silt fence up-gradient to help it contain runoff.

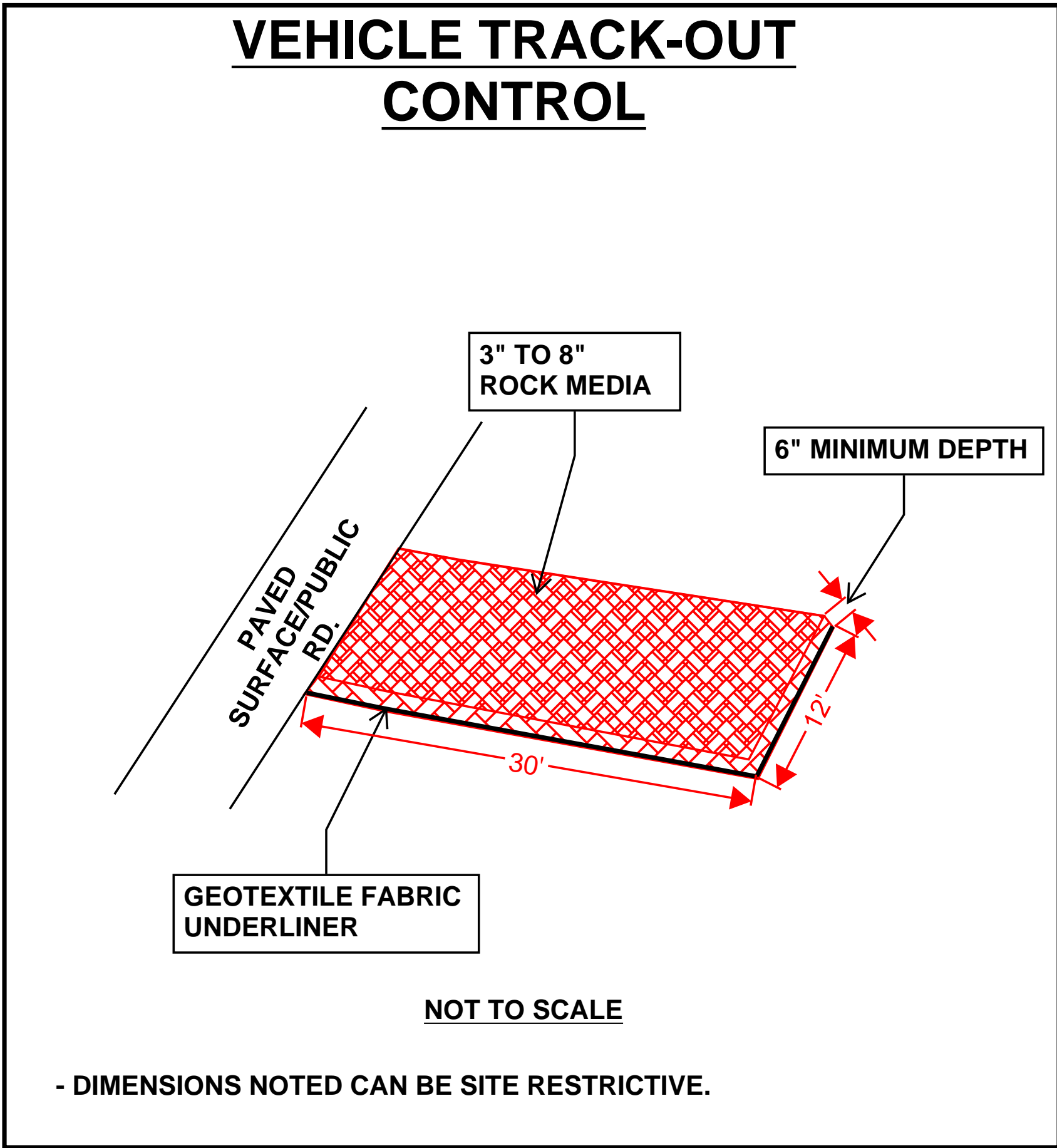
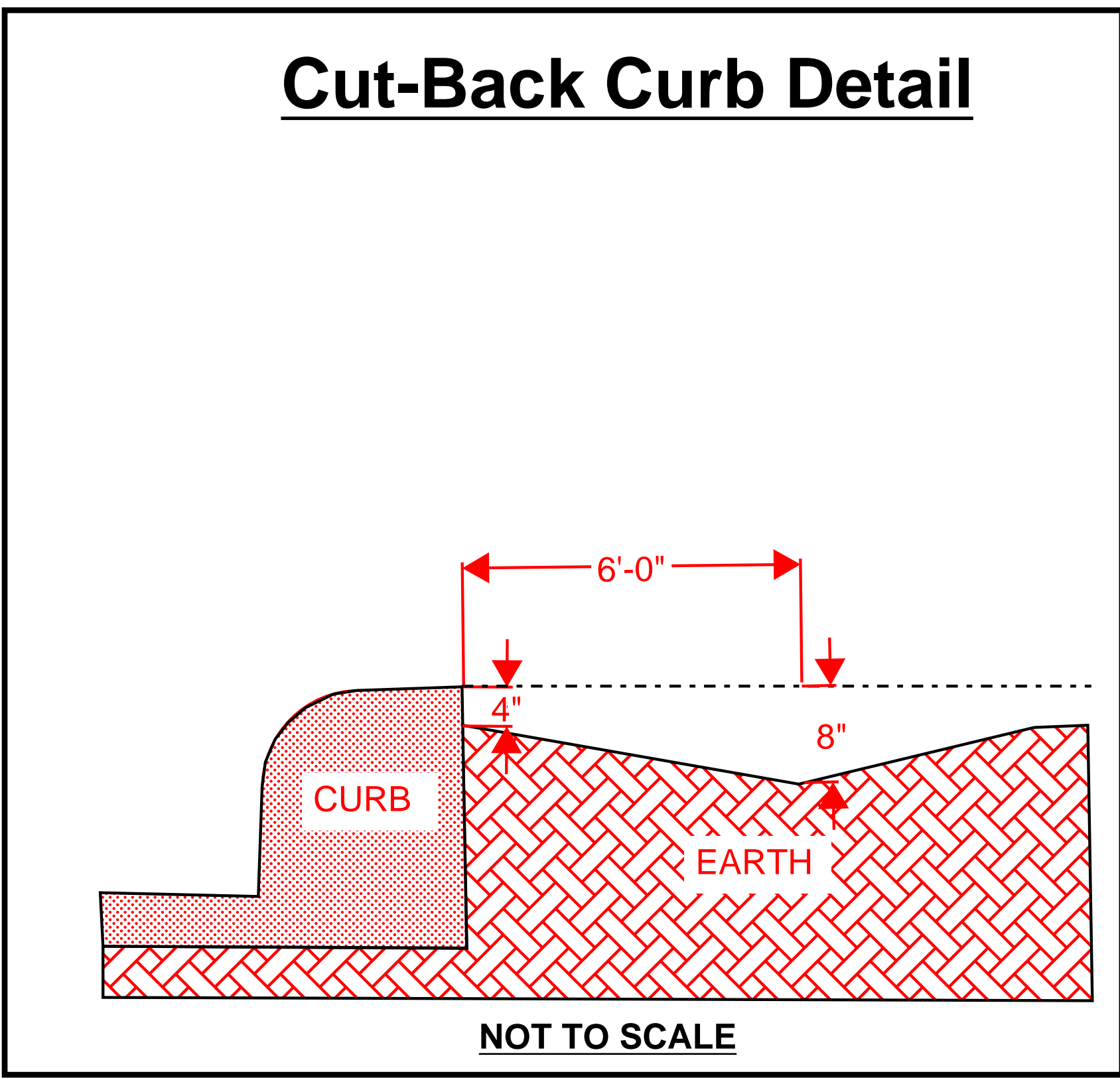
To maintain remove sediment when it reaches one-third of the height of the fence. Replace the silt fence where it is worn, torn, or otherwise damaged. Retrench or replace any silt fence that is not properly anchored to the ground. If the silt fence cannot be toed in properly due to existing hard surface, place mulch filter sock at base to prevent sediment from leaving site.

8' max wood stake spacing and 10' max spacing for steel T-post.

*Silt Fence Installation*



*Source: USEPA Guide for Construction Site*



January 1, 2019

SPECIAL PROVISIONS  
MODIFYING  
SECTION 632: REVEGETATION

The 2019 Edition of the New Mexico Department of Transportation Standard Specifications for Highway and Bridge Construction shall apply in addition to the following:

Delete the first paragraph of Section 632.3.3: Pre-Seeding Conference and replace with the following:

A mandatory pre-seeding conference called by the Project Manager shall be held on the Project before revegetation Work begins. Attending will be the NMDOT Project Manager or representative, the NMDOT Landscape Architect or Revegetation Specialist, the General Contractor, and the Revegetation Contractor.

632.3.4 Seeding Classes

Delete Table 632.3.4.1 and replace with the following:

Table 632.3.4.1  
Operations Sequence for Classes of Seeding

Operation	Class		
	A	MOD A	C
Disk seed bed to four (4)"	X	X	—
Apply fertilizer by broadcast, then disk to four (4)"	X	X	—
Apply one (1) inch compost mulch, disk to four (4)"	X	X	—
Drill seed	X	—	—
Straw crimp; apply tackifier, dye	X	—	—
Track slopes with ridges horizontal and parallel to bottom of slope	—	—	X
Hand rake or chain harrow surface horizontally	—	X	X
Hydro apply seed, fertilizer, dye, tackifier	—	X	X
Scarify seeded areas horizontally to slope	—	—	X
Hydro mulch; apply tackifier, dye	—	X	X
Rock Mulch	—	—	X

Note: No seeding shall be applied on frozen ground

Key: X = required;  
— = not required

The Department defines the seeding classes as follows:

1. Class A = seeding with a drill seeder (slopes up to 3:1 or flatter)

2. Class C = seeding with hydro seeder (slopes steeper than 3:1 to a maximum of 2:1).

Section 632: Revegetation

632-1



Delete Section 632.3.18: Class C Slopes with over 50' of Slope Length in its entirety and replace with the following:


Class C slopes in excess of 50' of slope length (measured along the slope face from toe to crest) shall have the following treatment.

Class G rip-rap shall be used for the lower portion of the slope from the toe upwards to the point where there will not be more than 50' of slope length covered with one (1) inch and no greater than 1 ½ inches in size rock mulch described in 632.2.5, "Rock Mulch for Class C Seeding," and Table 632.3.4.1, "Operations Sequence for Classes of Seeding." The rip-rap shall be placed over the hydro-seeded and mulched surface in a way that does not damage the applied mulch treatment, shall be installed from the toe of the slope upwards and shall be one layer of Class G rip-rap in thickness.

Section 632: Revegetation

632-2

Coir Mat Inlet Protection



UV Resistance (ASTM D 4355 – 500 hour exposure) Tensile Properties (ASTM D 5035/ECTC)  
(4 inch wide strip specimen)

Baseline Properties	
MD – Maximum Load (ppi)	14.6
TD – Maximum Load (ppi)	18.7
MD – Elongation @ Max Load (%)	19.3
TD – Elongation @ Max Load (%)	27.7

500 Hour Exposed Properties	
MD – Maximum Load (ppi)	10.2
TD – Maximum Load (ppi)	13.8
MD – Elongation @ Max Load (%)	16.9
TD – Elongation @ Max Load (%)	16.6

Light Penetration (ECTC Guidelines)

Baseline Reading	125
Reading with sample	10
% Light Penetration	<8

Swell (ECTC)

Dry thickness (mils)	1984
Thickness after soak (mils)	2098
% change	6

Water Absorption (ASTM D 1117/ECTC)

Pre-soak Weight (grams)	69
Post-Soak (grams)	152
Weight change (grams)	82
% Weight Change	119

Sediment Control (ASTM D 5141)

Test material:	Sand sieved thru No. 10 sieve
Filtering Efficiency (%)	40.8
Flow Rate (liter/minute)	150

Resiliency (ASTM D 6524)

Pre-loading thickness (mils)	1943
Post-loading thickness (mils)	326
% change	-83


Mass/Unit Area (ASTM D 6565)

Mass/unit area (oz/sq. yd)	50.89
Mass/unit area (g/sq. meter)	1725

Smolder Resistance (ECTC)

Maximum Burn Distance (in)	.29
----------------------------	-----

GRAVEL BAG INLET PROTECTION




Inlet gravel bags are manufactured on site to fit in the gutter pan on the upstream side of the inlet. Filled with smooth rounded pea gravel. The ends are sealed with ½" #12 hog rings. The gravel bags are connected together with the hogs to help create weight and stability.

FABRIC PHYSICAL SPECIFICATIONS:

Property Test Method Woven (typical)		
Fabric Weight	ASTDM D-5261	5 oz/sq./yd.
Grab Tensile (MD/TD)	ASTDM D-4632	350/220 lbs.
Trapezoid Tear (MD/TD)	ASTM D-4533	146/75 lbs.
Puncture	ASTM D-4833	112 lbs.
Mullen Burst	ASTM D-3786	388 psi.
UV Resistance (2000hrs)	ASTM D-4355	>70%
Water Flow	ASTM D-4355	195 gpm/sq-ft
Material		High Density Polyethylene (HPDE)

THE ABOVE VALUES ARE M.A.R.V. (minimum average roll values)

TYPICAL CONCRETE WASHOUT-BELOW GRADE



- Install appropriate signage to inform concrete equipment operators of the proper washout location.
- An appropriate stabilized entrance shall be installed where applicable. The length and width of the stabilized entrance may vary based on size and location of the washout.
- Washout facilities must be sized to contain washout water and solids.
- Typical dimensions are 10 feet long by 10 feet wide but may vary upon site limitations.
- Pit shall be delineated with Orange Filter Sock and A-Framed staked.
- The pit shall be lined with 10mil (minimum) polyethylene impermeable liner on the bottom and sides overlapping the top edges completing a leak-proof container.

OPERATOR: DR HORTON, INC.

TOTAL SITE AREA: 39.21 ACRES  
TOTAL DISTURBED AREA: 39.21 ACRES

RECEIVING WATERS: RIO GRANDE RIVER  
(ISLETA PUEBLO BOUNDARY TO TIJERAS ARROYO)

REFER TO THE ESC BMP DETAILS (ESC-4)  
FOR INSTALLATION, INSPECTION AND  
MAINTENANCE REQUIREMENTS.

ASPIRE UNIT 1

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

Drawn By:

M. VALLEJOS, CPESC, CISEC

03/12/21

ESC-2

CERTIFIED PROFESSIONAL  
CPESC®  
MATTHEW F. VALLEJOS  
No. 9108  
IN EROSION AND SEDIMENT CONTROL



EROSION CONTROL NOTES

EROSION CONTROL SCHEDULE AND SEQUENCING. SEE SWPPP PLAN FOR OPERATOR RESPONSIBLE FOR EACH CONTROL MEASURE LISTED AND BMP DETAILS.

1. ROUGH GRADING – INSTALL SILT FENCE OR STRAW WATTLE. STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT PONDS WHERE PRACTICAL. INSTALL BEFORE GRADING IF POSSIBLE; IF NOT, THEN CONCURRENT WITH MAJOR GRADING. WATER SHALL BE APPLIED TO STABILIZE DISTURBED AREAS.
2. UTILITY INSTALLATION – MAINTAIN SOIL EROSION MEASURES DURING BUILDING CONSTRUCTION AND UTILITY INSTALLATION. WATER SHALL BE APPLIED FOR SOIL STABILIZATION AS NECESSARY. WHEN INSTALLING UTILITIES BEHIND THE CURB, DIRT SHOULD NOT BE PLACED IN THE STREET.
3. HOME CONSTRUCTION – INSTALL SILT FENCE AT THE BACK OF CURB OR CUT BACK CURB PER DETAIL THIS SHEET DURING HOME CONSTRUCTION. WATER SHALL BE APPLIED FOR SOIL STABILIZATION AS NECESSARY.
4. FINAL STABILIZATION – FINAL STRUCTURAL AND STABILIZATION CONTROLS INSTALLED PER APPROVED CONSTRUCTION AND LANDSCAPING DRAWINGS (REFERENCED BY SWPPP PLAN).

DURING CONSTRUCTION STORMWATER CONTROL NOTES:

1. STABILIZED CONSTRUCTION ENTRANCES REQUIRED BETWEEN PAVED/UNPAVED TRANSITIONS. LIMIT NUMBER OF ENTRANCES. PLACE STRAW WATTLE ACROSS THE CONSTRUCTION ENTRANCE AT THE END OF EACH DAY.
2. SILT FENCE OR STRAW WATTLE TO BE INSTALLED AT INITIAL GRADING FOR TEMPORARY STRUCTURAL CONTROL. SILT FENCE OR STRAW WATTLE MAY BE ATTACHED TO CONSTRUCTION SECURITY FENCING FOR ADDITIONAL STABILITY WHERE NECESSARY.
3. ON STREETS WHERE THE LONGITUDINAL SLOPE IS 2.5% OR GREATER, MULCH SOCKS OR A SIMILAR BMP IS REQUIRED IN THE AREA BETWEEN THE CURB AND THE PAD AT REGULAR INTERVALS TO SLOW THE WATER DOWN AND CATCH SEDIMENT.
4. DISTURBED AREAS WILL BE WATERED PERIODICALLY FOR TEMPORARY STABILIZATION AND DUST CONTROL.
5. MATERIALS STORAGE & EQUIPMENT STAGING AREA MAY BE RELOCATED BASED ON CONTRACTOR PREFERENCE AND CHANGING CONDITIONS AT THE JOB SITE, AS LONG AS POSSIBLE DISCHARGE IS CONTAINED ON SITE.
6. LOCATIONS OF TRASH, PORTA-LETS AND CONCRETE WASH-OUT PITS TO BE REDLINED ON THIS DRAWING.
7. NO DISCHARGE TO WATERS OF THE U.S. OR LISTED WETLANDS.
8. NO OFF-SITE STORAGE OR BORROW AREAS.

AFTER CONSTRUCTION STORMWATER CONTROL NOTES:

1. REFER TO APPROVED CONSTRUCTION DRAWINGS FOR FINAL STRUCTURAL CONTROLS INCLUDE SIDEWALKS, DRIVEWAY AREAS, RUNDOWNS AND DRAINAGE WAYS.
2. REFER TO APPROVED LANDSCAPING DRAWINGS OR FINAL STABILIZATION OF DISTURBED AREAS.

ESC Plan Standard Notes (2020-07-16)

1. All Erosion and Sediment Control (ESC) work on these plans, except as otherwise stated or provided hereon shall be permitted, constructed, inspected, and maintained in accordance with:

a. The City Ordinance § 14-5-2-11, the ESC Ordinance,

b. The EPA's 2017 Construction General Permit (CGP), and

c. The City Of Albuquerque Construction BMP Manual.
2. All BMP's must be installed prior to beginning any earth moving activities except as specified hereon in the Phasing Plan. Construction of earthen BMP's such as sediment traps, sediment basins, and diversion berms shall be completed and inspected prior to any other construction or earthwork. Self-inspection is required after installation of the BMPs and prior to beginning construction.
3. Self-inspections - At a minimum a routine compliance self-inspection is required to review the project for compliance with the Construction General Permit once every 14 days and after any precipitation event of 1/4 inch or greater until the site construction has been completed and the site determined as stabilized by the city. Reports of these inspections shall be kept by the person or entity authorized to direct the construction activities on the site.
4. BMPs shall be inspected and maintained until all disturbed areas are stabilized in accordance with the Final Stabilization Criteria (CGP 2.2.14.b). Generally, all disturbed areas, other than structures, must have uniform perennial vegetation that provides 70 percent or more of the cover provided by native vegetation or seed the disturbed area and provide non-vegetative mulch that provides cover for at least three years without active maintenance. Final stabilization must be documented on self-inspection reports and approved by the City of Albuquerque prior to removal of BMPs and discontinuation of inspections.

Start/Date/Finish/Date (dates to be marked on site plan by operator)	Construction Activity, BMPs, and location
Initial Phase	Pre-Site Grading 1. Install perimeter BMPs (silt fence, erosion control logs, downstream inlet protection, etc.) 2. Construct VTC 3. Set up construction trailer, construction barrier, and material storage areas, etc. 4. Install sanitary facilities and dumpster 5. Implement stabilization procedures where work is complete or ceases (per section 2.2.14 of the 2017 EPA CGP)
Interim Phase	Site Grading/ Building Construction 1. Mass grade site 2. Construct utilities, infrastructure 3. Building, pavement construction 4. Implement stabilization procedures where work is complete or ceases (per section 2.2.14 of the 2017 EPA CGP)
Final Phase	Final Stabilization 1. Implement stabilization procedures where work is complete or ceases (per section 2.2.14 of the 2017 EPA CGP) 2. Prepare final seeding and landscaping 3. Monitor stabilized areas until final stabilization is reached 4. Remove temporary control BMPs and stabilize any areas disturbed by the removal

ROLE	COMPANY	REPRESENTATIVE NAME	PHONE	EMAIL
DEVELOPER/LAND-OWNER	HERITAGE TRAILS DEVELOPMENT, INC.	GARRET PRICE	505-243-3949	GPRICE@PRICELDG.COM
PHASE 1 HOME-BUILDER/LAND-OWNER	DR. HORTON, INC.	KEVIN GRIFFIN	505-797-4245	KTGRIFFIN@DRHORTON.COM
BMP MAINTENANCE	SUPERIOR STORMWATER SERVICES	TIM SLATUNAS	505-353-2558	TIM@SUPERIORSTORMWATER.COM
SWPPP INSPECTIONS	GREEN GLOBE ENVIRONMENTAL	TIM SLATUNAS	505-353-2558	TIM@GREENGLOBENM.COM



OPERATOR: DR HORTON, INC.

TOTAL SITE AREA: 39.21 ACRES  
TOTAL DISTURBED AREA: 39.21 ACRES

RECEIVING WATERS: RIO GRANDE RIVER (ISLETA PUEBLO BOUNDARY TO TIJERAS ARROYO)



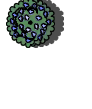
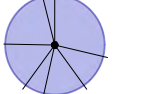










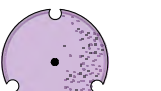






















REFER TO THE ESC BMP DETAILS (ESC-4) FOR INSTALLATION, INSPECTION AND MAINTENANCE REQUIREMENTS.















ASPIRE UNIT 1 TEMPORARY EROSION AND SEDIMENT CONTROL PLAN	
Drawn By: M. VALLEJOS, CPESC, CISEC	03/12/21
	ESC-3



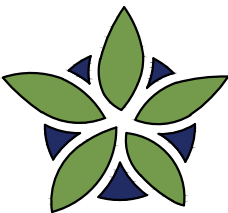
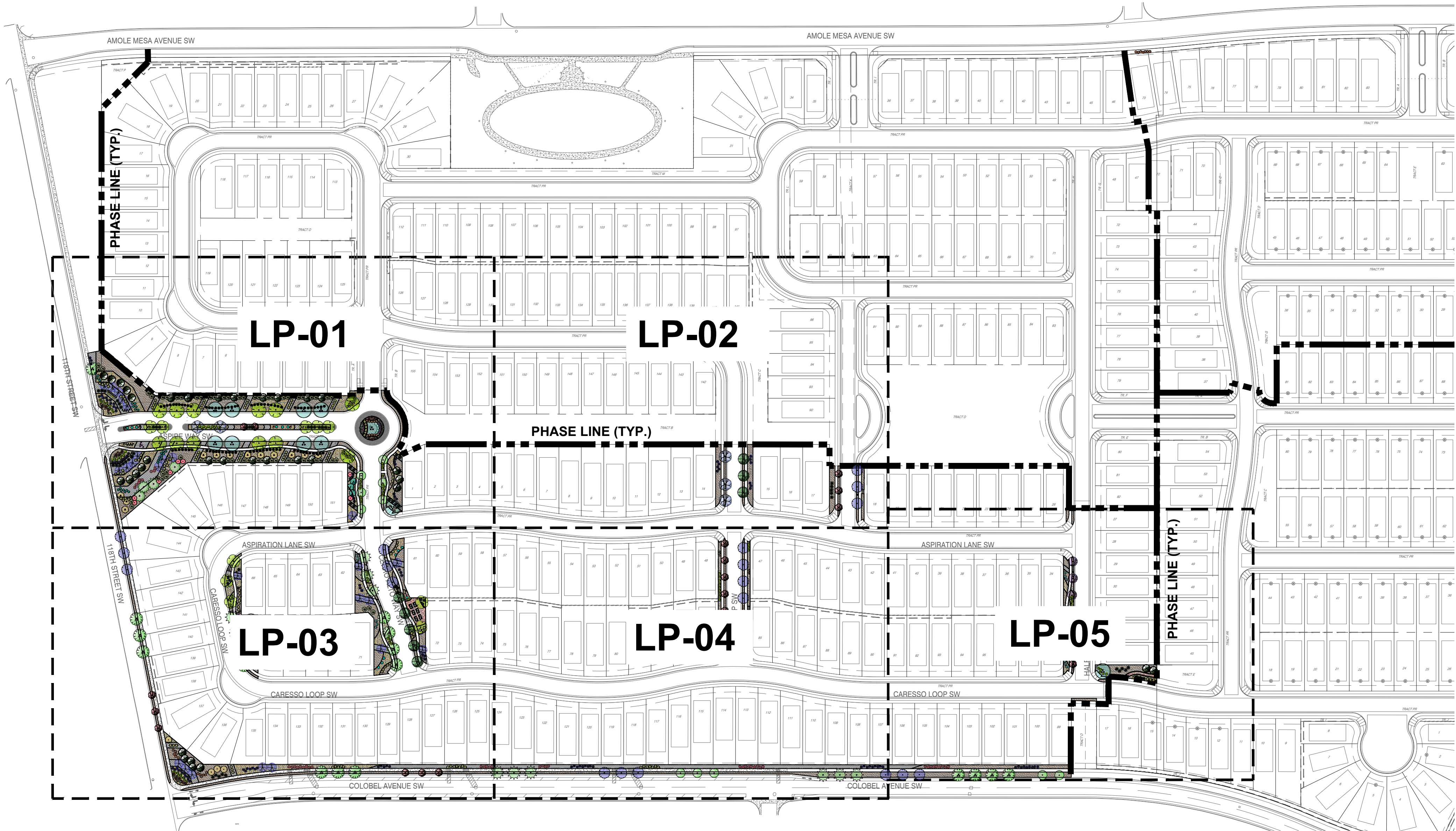
PLANT SCHEDULE PHASE 1

DECIDUOUS TREES	QTY	BOTANICAL / COMMON NAME	SIZE	EVERGREEN TREES	QTY	BOTANICAL / COMMON NAME	SIZE	DECIDUOUS SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE
	3	CERCIS RENIFORMIS 'OKLAHOMA' OKLAHOMA RED BUD	2" B&B		4	CEDRUS DEODARA DEODAR CEDAR	6'-8" B&B		79	CARYOPTERIS X 'DARK KNIGHT' BLUE MIST SPIREA	1 GAL
	26	CHILOPSIS LINEARIS DESERT WILLOW	2" B&B		14	JUNIPERUS CHINENSIS 'SPARTAN' SPARTAN JUNIPER	15 GAL		5	COTINUS COGGYGRIA CV. SMOKEBUSH CULTIVAR	5 GAL
	4	FORESTIERA NEOMEXICANA NEW MEXICAN PRIVET	24"BOX		36	PINUS NIGRA AUSTRIAN PINE	6"		22	PEROVSKIA ATRIPLICIFOLIA RUSSIAN SAGE	1 GAL
	10	GLEDITSIA TRIACANTHOS INERMIS THORNLESS COMMON HONEYLOCUST	2" B&B		8	THUJA 'CV.' ARBORVITAE (CULTIVER TBD)	4'-6'		121	RHUS AROMATICA 'GRO-LOW' GRO-LOW FRAGRANT SUMAC	5 GAL
	11	GYMNOCLADUS DIOICA 'ESPRESSO' SEEDLESS KENTUCKY COFFEE TREE	2" B&B	<b>DESERT ACCENTS</b>	<b>QTY</b>	<b>BOTANICAL / COMMON NAME</b>	<b>SIZE</b>		5	SALVIA GREGGII AUTUMN SAGE CHERRY	1 GAL
	7	KOELREUTERIA PANICULATA GOLDEN RAIN TREE	2" B&B		17	DASYLIRION TEXANUM TEXAS SOTOL	5 GAL	<b>EVERGREEN SHRUBS</b>	<b>QTY</b>	<b>BOTANICAL / COMMON NAME</b>	<b>SIZE</b>
	18	PISTACIA CHINENSIS CHINESE PISTACHE	2" B&B		64	NOLINA MICROCARPA BEARGRASS	5 GAL		27	ARTEMISIA FILIFOLIA SAND SAGEBRUSH	5 GAL
	12	PLATANUS X 'BLOODGOOD' BLOODGOOD LONDON PLANE TREE	2" B&B		17	YUCCA BACCATA BANANA YUCCA	5 GAL		114	ERICAMERIA LARICIFOLIA 'AGUIRRE' AGUIRRE TURPENTINE BUSH	5 GAL
	18	PYRUS CALLERYANA CV. FLOWERING PEAR CULTIVAR	2" B&B	<b>GRASSES</b>	<b>QTY</b>	<b>BOTANICAL / COMMON NAME</b>	<b>SIZE</b>		44	FALLUGIA PARADOXA APACHE PLUME	5 GAL
	11	QUERCUS BUCKLEYI TEXAS RED OAK	2" B&B		15	BOUTELOUA GRACILIS 'BLONDE AMBITION' BLONDE AMBITION BLUE GRAMA	1 GAL		33	ROSMARINUS 'ARP' ARP ROSEMARY	5 GAL
	11	QUERCUS MUEHLENBERGII CHINKAPIN OAK	2" B&B		14	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER' FEATHER REED GRASS	1 GAL		60	VAUQUELINIA ARIZONICA ROSEWOOD	15 GAL
	19	ROBINIA X AMBIGUA 'PURPLE ROBE' PINK FLOWERING LOCUST	2" B&B		99	NASSELLA TENUISSIMA MEXICAN FEATHER GRASS	1 GAL				
	12	ULMUS PARVIFOLIA 'BOSQUE' BOSQUE CHINESE ELM	2" B&B		7	SORGHASTRUM NUTANS 'SIOUX BLUE' BLUE INDIAN GRASS	1 GAL				
	5	ULMUS PROPINQUA 'JFS-BIEBERICH' EMERALD SUNSHINE ELM	2" B&B		139	SPOROBOLUS WRIGHTII GIANT SACATON	5 GAL				
	12	VITEX AGNUS-CASTUS CHASTE TREE	15 GAL								

REFERENCE NOTES SCHEDULE PHASE 1  
2021-0

SYMBOL	DESCRIPTION	QTY
	LARGE BOULDER	46
<b>SYMBOL</b>	<b>DESCRIPTION</b>	<b>QTY</b>
	MOUNTAINAIR BROWN 7/8" GRAVEL, 2" DEPTH	56,310 SF
	1-2" GOLD GRAVEL, 2" DEPTH	28,742 SF
	2-4" BASALT, 4" DEPTH	20,779 SF
	TURF SOD	584 SF
	AMARETTO CRUSHER FINES, 2" DEPTH	1,347 SF
<b>SYMBOL</b>	<b>DESCRIPTION</b>	<b>QTY</b>
	6" BENCH WITH BACK	3
	TRASH RECEPTACLE	3
	DOG WASTE STATION	2
	RAISED PLANTER (8' X 4 X 2' HEIGHT)	6
	CONCRETE CURB (6" X 6")	120 LF
	LOW-VOLTAGE LIGHT	27

Note:  
Benches shall be DuMor 500 6' with back  
Trash receptacles shall be DuMor 502 32 gallon with cover



**YELLOWSTONE**  
LANDSCAPE

www.yellowstonelandscape.com  
P O Box 10597  
Albuquerque, NM 87184  
505.898.9615  
design@yellowstonelandscape.com

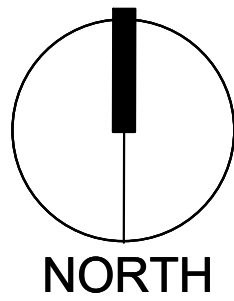
Date: 02/12/2021  
Revisions:

▲ 02/23/2021  
▲ 02/24/2021  
▲ 03/02/2021  
▲

Drawn by: LF  
Reviewed by: JB

Aspire Subdivision

Albuquerque, NM



Scale: 1" = 120'  
60 0 120 240

Sheet Title:  
Landscape  
Plan Phase 1

Sheet Number:  
LP-00A