

ALL HOA AREAS FOR
PHASE 2 TO BE
STABILIZED PER THE
ATTACHED DRAWING.

OWNER: DR
HORTON

OWNER: HERITAGE
TRAILS
DEVELOPMENT I

DOUBLE ROW
SILT FENCE

DOUBLE ROW
SILT FENCE

STOCKPILE
AREA

UNIT 1 SILT FENCE TO
BE REMOVED W/
COMPLETION OF UNIT
PERIMETER WALL AND
LANDSCAPING

BMP MAP LEGEND

- LIMITS OF DISTURBANCE
- PERIMETER BMP (SILT FENCE)
- EXISTING CMU WALL TO REMAIN
- NEW CMU WALL BUILT W/ UNIT 1
- CUT BACK CURB
- INLET PROTECTION
- FLOW DIRECTION
- VTC (VEHICLE TRACK-OUT CONTROL)
- PORTABLE TOILETS
- WASTE CONTAINER
- CONCRETE WASHOUT
- DR HORTON
- HERITAGE TRAILS DEVELOPMENT I
- DS DIVERSION SWALE
- SB SEDIMENT BASIN



OPERATOR: DR HORTON, INC.

TOTAL SITE AREA: 53 ACRES
TOTAL DISTURBED AREA: 53 ACRES

RECEIVING WATERS: RIO GRANDE
RIVER (TIEJRAS ARROYO TO
ALAMEDA BRIDGE)

REFER TO THE ESC BMP DETAILS
(ESC-2) FOR INSTALLATION,
INSPECTION AND MAINTENANCE
REQUIREMENTS.

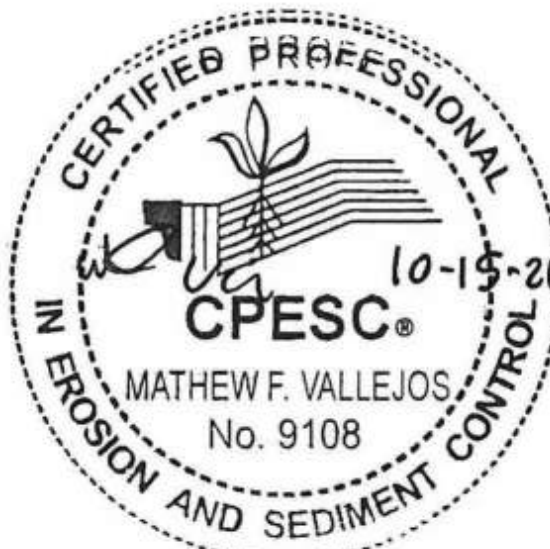
****GRADING PLAN BY OTHERS****

ASPIRE SUBDIVISION UNITS 1 & 2

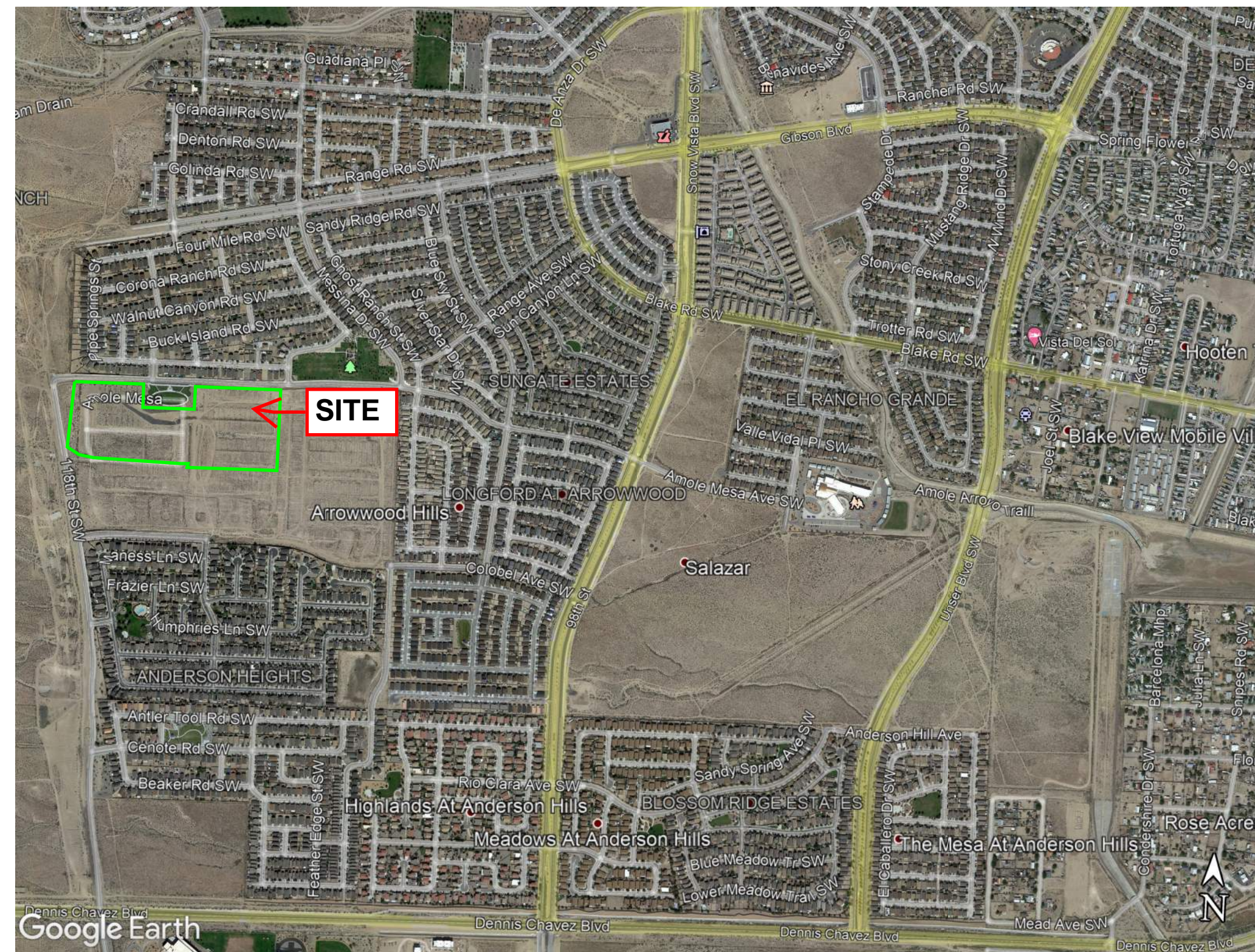
TEMPORARY EROSION AND
SEDIMENT CONTROL PLAN

Drawn By:
M. VALLEJOS, CPESC, CISEC

10/15/2021



ESC-1



Silt Fence Detail

Non-woven Silt Fence

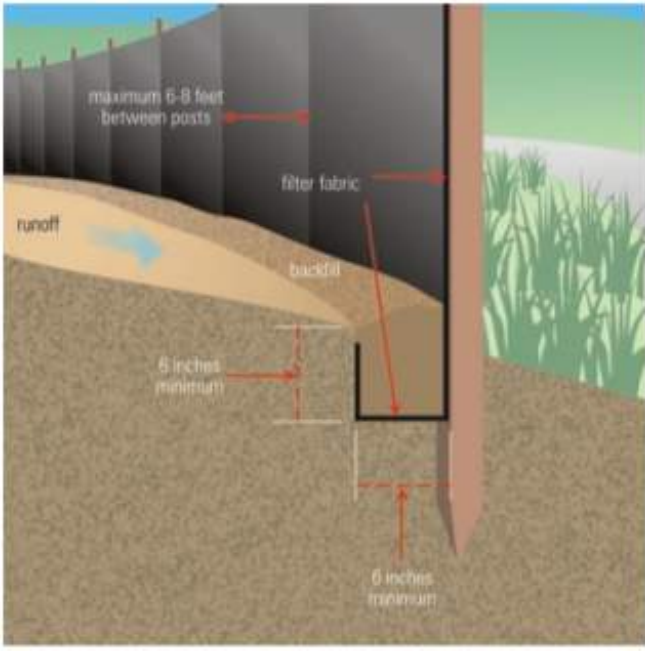
A silt fence is a temporary sediment barrier consisting of a geotextile attached to supporting posts and trenched into the ground. Intended to retain sediment that has been dislodged by stormwater.

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.

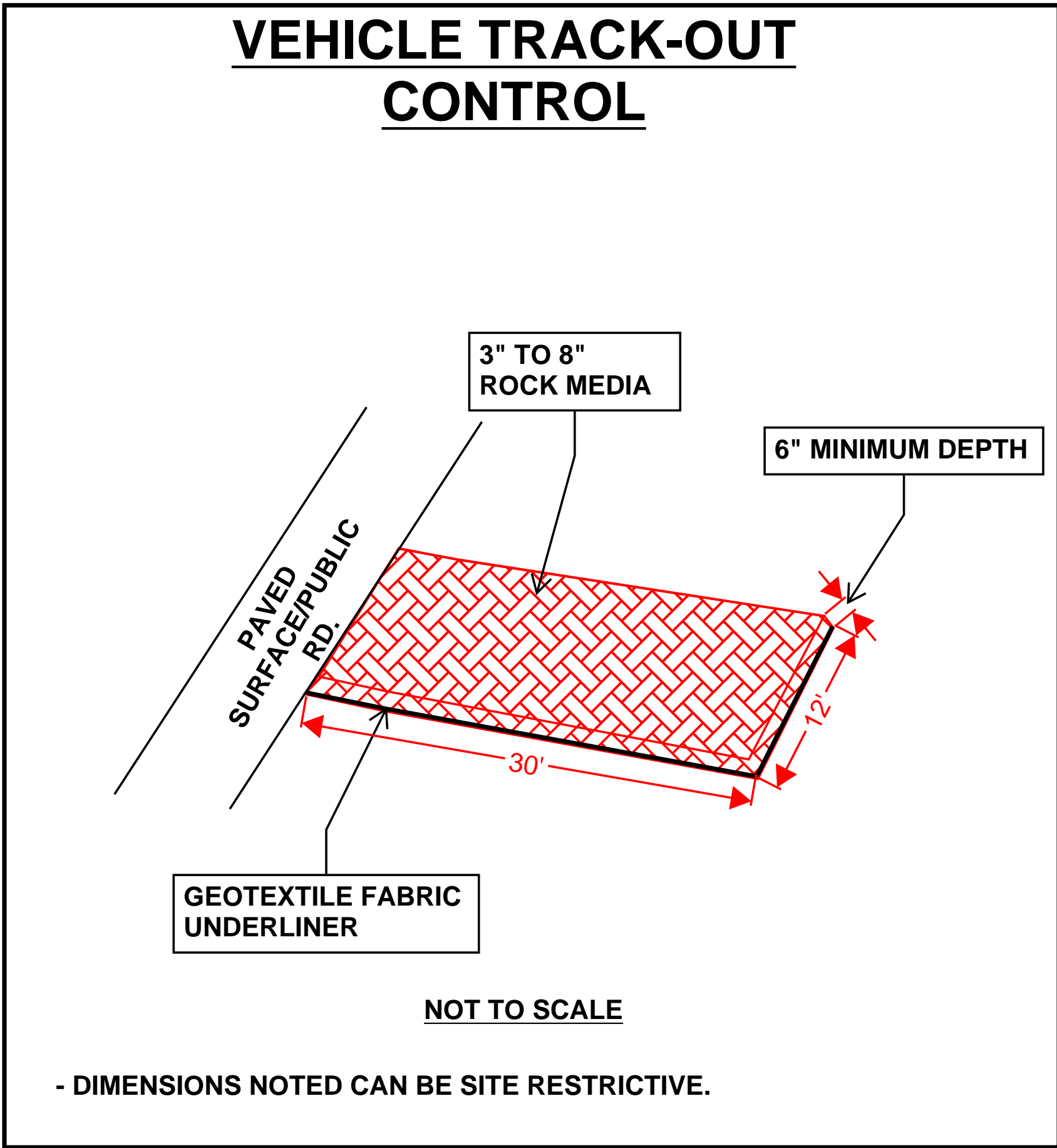
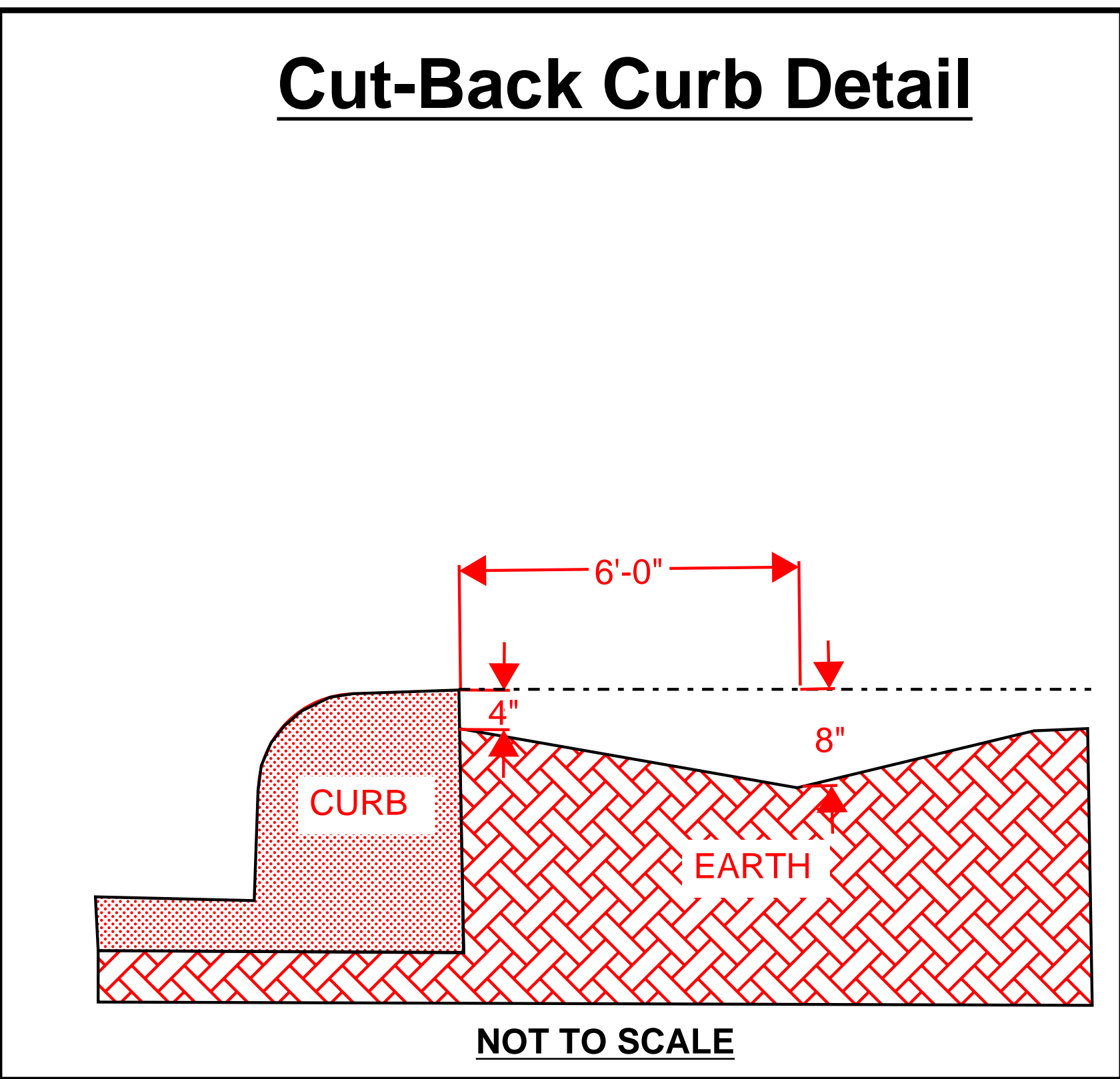
To maintain remove sediment when it reaches one-third of the height of the fence. Replace the silt fence where it is worn, torn, or otherwise damaged. Retrench or replace any silt fence that is not properly anchored to the ground. If the silt fence cannot be toed in properly due to existing hard surface, 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	X
Hand rake or chain harrow surface horizontally	—	X	X	X
Hydro apply seed, fertilizer, dye, tackifier	—	X	X	X
Scarify seeded areas horizontally to slope	—	X	X	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:

- Class A = seeding with a drill seeder (slopes up to 3:1 or flatter)
- 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		500 Hour Exposed Properties	
MD – Maximum Load (ppi)	14.6	MD – Maximum Load (ppi)	10.2
TD – Maximum Load (ppi)	18.7	TD – Maximum Load (ppi)	13.8
MD – Elongation @ Max Load (%)	19.3	MD – Elongation @ Max Load (%)	16.9
TD – Elongation @ Max Load (%)	27.7	TD – Elongation @ Max Load (%)	16.6


Light Penetration (ECTC Guidelines)		Resiliency (ASTM D 6524)	
Baseline Reading	125	Pre-loading thickness (mils)	1943
Reading with sample	10	Post-loading thickness (mils)	326
% Light Penetration	<8	% change	-83

Swell (ECTC)		Mass/Unit Area (ASTM D 6565)	
Dry thickness (mils)	1984	Mass/unit area (oz/sq. yd)	50.89
Thickness after soak (mils)	2098	Mass/unit area (g/sq. meter)	1725
% change	6		

Water Absorption (ASTM D 1117/ECTC)		Smolder Resistance (ECTC)	
Pre-soak Weight (grams)	69	Maximum Burn Distance (in)	.29
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

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.

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ASPIRE UNITS 1 & 2

TEMPORARY EROSION AND SEDIMENT
CONTROL PLAN

Drawn By:

M. VALLEJOS, CPESC, CISEC

10/15/21



ESC-2

ESC Plan Standard Notes (2021-03-24)

- 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:
 - The City Ordinance § 14-5-2-11, the ESC Ordinance,
 - The EPA's 2017 Construction General Permit (CGP), and
 - The City Of Albuquerque Construction BMP Manual.
- 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.
- 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 and made available upon request.
- Corrective action reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request.
- Stabilization reports must be kept by the person or entity authorized to direct the construction activities on the site and made available upon request. Reports should include records of weed removal per City Ordinance (§ 9-8-1), sterilization, soil test results and recommendation, materials and manufacturer's specifications for application rates, estimated functional longevity, methods of application, inspection and maintenance. The reduced self-inspection schedule in CGP 4.4.1 applies to stabilized area and any damaged or worn stabilization must be identified in the reports along with weed problems. Corrective actions for stabilization shall be documented in a stabilization report including actual rates and dates of stabilization, and the materials and manufacturer's specifications used.
- 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 and impervious surfaces, 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 approved by the City of Albuquerque prior to removal of BMPs and discontinuation of inspections.

Site Location

Project/Site Name: Aspire Units 1 & 2 Project Street/Location: 118th St. and Colobel Ave.

City: Albuquerque State: NM ZIP Code: 87121

County or Similar Subdivision: Bernalillo County

Acquired: ☒ Raw Land ☐ Finished Lots

Maximum Area to be Disturbed: 52.94 Acres

Latitude/Longitude (Use one of three possible formats, and specify method)

Latitude: 35.03539 Longitude: -106.75158

Method for determining latitude/longitude: Map

Is the project located in Indian country? ☐ Yes ☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." Not Applicable

Is this project considered a federal facility? ☐ Yes ☒ No

NPDES project or permit tracking number: _____

Nature of Construction Activity

This project consists of land development and new residential home construction. This SWPPP covers 306 lots approximately 52.94 acres of the Aspire Units 1 & 2 Project. This SWPPP covers both the land development and home building phases of construction. D.R. Horton is responsible for construction activities including earthwork, infrastructure, retaining walls, trunk utilities, asphalt paving and home building. The activities to occur onsite are consistent with residential home development and construction. If offsite soil borrow or waste areas are needed during construction, they will be identified in the field and are to be marked on the plan in the SWPPP. Refer to Appendix A for vicinity, site plan and BMP plan.

Start-Date-Finish-Date (dates to be marked on site plan by operator)	Construction Activity, BMPs, and locations
Initial Phases	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 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 Phases	Site Grading/ Building Construction 1. Mass grade site 2. Construct utilities, infrastructure 3. Building, pavement construction 4. Implement stabilization procedures <u>where</u> work is complete or ceases (per section 2.2.14 of the 2017 EPA CGP)
Final Phases	Final Stabilization 1. Implement stabilization procedures <u>where</u> work is complete or ceases (per section 2.2.14 of the 2017 EPA CGP) 2. Prepare final seeding and <u>landscaping</u> 3. Monitor stabilized areas until final stabilization is <u>reached</u> 4. Remove temporary control BMPs and stabilize any areas disturbed by the removal

Rio Grande (Tijeras Arroyo to Alameda Bridge)			AU IR CATEGORY	LOCATION DESCRIPTION	
			5/5C	HUC: 13020203	Rio Grande-Albuquerque
AU ID	WQS REF	WATER TYPE	SIZE	ASSESSED	MONITORING SCHEDULE
NM-2105_51	20.6.4.105	RIVER	15.6 MILES	2020	2023
USE	ATTAINMENT	CAUSE(S)	FIRST LISTED	TMDL DATE	PARAMETER IR CATEGORY
IRR	Fully Supporting				
LW	Fully Supporting				
MWWAL	Not Supporting	Mercury - Fish Consumption Advisory PCBS - Fish Consumption Advisory Dissolved oxygen Temperature	2020 2010 2008 2010	 2023 (est.) 2023 (est.)	5/5C 5/5C 5/5A 5/5A
PC	Not Supporting	E. coli	2020	6/30/2010	4A
PWS	Not Assessed				
WH	Fully Supporting				
AU Comment: TMDL for E. coli, Fish Consumption Advisory listings are based on NMs current fish consumption advisories for this water body. Per USEPA guidance, these advisories demonstrate non-attainment of CWA goals stating that all waters should be "fishable." Therefore, the impaired designated use is the associated aquatic life even though human consumption of the fish is the actual concern.					



Tables — K Factor, Whole Soil — Summary by Map Unit				
Summary by Map Unit — Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico (NM600)				
Summary by Map Unit — Bernalillo County and Parts of Sandoval and Valencia Counties, New Mexico (NM600)				
Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
BCC	Bluepoint loamy fine sand, 1 to 9 percent slopes	.20	33.4	65.4%
BKD	Bluepoint-Kokan association, hilly	.17	17.7	34.6%
Totals for Area of Interest			51.1	100.0%

ROLE	COMPANY	REPRESENTATIVE NAME	PHONE	EMAIL
DEVELOPER/LAND OWNER	HERITAGE TRAILS DEVELOPMENT I	GARRET PRICE	505-243-3949	GPRICE@PRICELDG.COM
UNIT 2 HOME BUILDER/LAND OWNER	DR HORTON INC.	JOSEPH CORDERO	505-992-5266	JACORDERO@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



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ASPIRE UNITS 1 & 2

TEMPORARY EROSION AND SEDIMENT
CONTROL PLAN



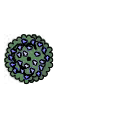
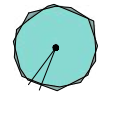
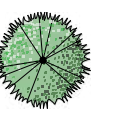
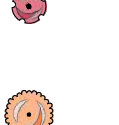
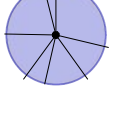
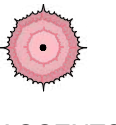
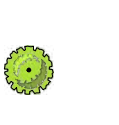
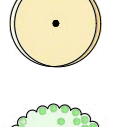

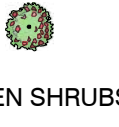
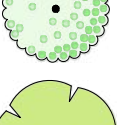


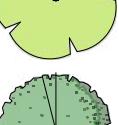


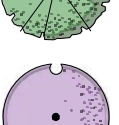


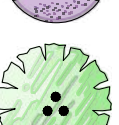
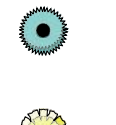




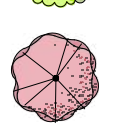


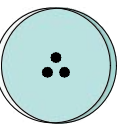
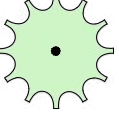

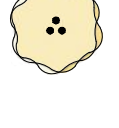

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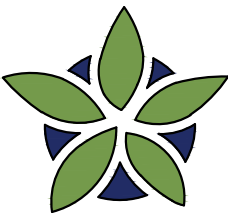
ESC-3

PLANT SCHEDULE ALL

DECIDUOUS TREES	BOTANICAL / COMMON NAME	SIZE	QTY	EVERGREEN TREES	BOTANICAL / COMMON NAME	SIZE	QTY	DECIDUOUS SHRUBS	BOTANICAL / COMMON NAME	SIZE	QTY
	ACER NEGUNDO 'SENSATION' SENSATION BOX ELDER MAPLE	2" B&B	5		JUNIPERUS CHINENSIS 'SPARTAN' SPARTAN JUNIPER	15 GAL	49		CARYOPTERIS X 'DARK KNIGHT' BLUE MIST SPIREA	1 GAL	79
	CERCIS RENIFORMIS 'OKLAHOMA' OKLAHOMA RED BUD	2" B&B	6		PINUS NIGRA AUSTRIAN PINE	6"	99		COTINUS COGGYGRIA CV. SMOKEBUSH CULTIVAR	5 GAL	5
	CHILOPSIS LINEARIS DESERT WILLOW	15 GAL	75		THUJA 'GREEN GIANT' GREEN GIANT ARBORVITAE	4"-6"	38		PEROVSKIA ATRIPLICIFOLIA RUSSIAN SAGE	1 GAL	95
	FORESTIERA NEOMEXICANA NEW MEXICAN PRIVET	24" BOX	7		DESERT ACCENTS BOTANICAL / COMMON NAME DASYLIRION TEXANUM TEXAS SOTOL	5 GAL	84		RHUS AROMATICA 'GRO-LOW' GRO-LOW FRAGRANT SUMAC	5 GAL	243
	FRAXINUS OXYCARPA 'RAYWOOD' TM RAYWOOD ASH	2" B&B	50		NOLINA MICROCARPA BEARGRASS	5 GAL	116		SALVIA GREGGII AUTUMN SAGE CHERRY	1 GAL	51
	GLEDITSIA TRIACANTHOS INERMIS THORNLESS COMMON HONEYLOCUST	2" B&B	123		YUCCA BACCATA BANANA YUCCA	5 GAL	35		EVERGREEN SHRUBS BOTANICAL / COMMON NAME ARTEMISIA FILIFOLIA SAND SAGEBRUSH	5 GAL	68
	GYMNOCLADIA DIOICA KENTUCKY COFFEE TREE	2" B&B	33		GRASSES BOTANICAL / COMMON NAME BOUTELOUA GRACILIS 'BLONDE AMBITION' BLONDE AMBITION BLUE GRAMA	1 GAL	166		ERICAMERIA LARICIFOLIA 'AGUIRRE' AGUIRRE TURPENTINE BUSH	5 GAL	235
	KOELREUTERIA PANICULATA GOLDEN RAIN TREE	2" B&B	21		NASSELLA TENUISSIMA MEXICAN FEATHER GRASS	1 GAL	145		FALLUGIA PARADOXA APACHE PLUME	5 GAL	117
	PISTACIA CHINENSIS CHINESE PISTACHE	2" B&B	67		SORGHASTRUM NUTANS 'SIOUX BLUE' BLUE INDIAN GRASS	5 GAL	16		ROSMARINUS 'ARP' ARP ROSEMARY	5 GAL	85
	PLATANUS X LONDON PLANE TREE	2" B&B	13		SPOROBOLUS WRIGHTII GIANT SACATON	5 GAL	294		GROUNDCOVERS BOTANICAL / COMMON NAME TEUCRIUM AROANUM CREEPING GERMANDER	1 GAL	18
	PYRUS CALLERYANA CV. FLOWERING PEAR CULTIVAR	2" B&B	18								
	QUERCUS MUEHLENBERGII CHINKAPIN OAK	2" B&B	45								
	ULMUS PARVIFOLIA CHINESE ELM	2" B&B	74								
	ULMUS X 'ACCOLADE' ACCOLADE ELM	2" B&B	39								
	VITEX AGNUS-CASTUS CHASTE TREE	15 GAL	33								

REFERENCE NOTES SCHEDULE ALL

SYMBOL	DESCRIPTION	QTY
	LARGE BOULDER	139
	MOUNTAINAIR BROWN 7/8" GRAVEL	229,904 SF
	1-2" GOLD GRAVEL	71,960 SF
	BLACK BASALT GRAVEL - SIZE TBD	2,184 SF
	2-4" ANGULAR ROCK	74,622 SF
	2-4" ROUND ROCK	3,948 SF
	TURF SOD	32,198 SF
	3/8" AMARETTO GRAVEL	18,826 SF
	STRESSED COLORED CONCRETE	8,879 SF
	COLORS CONCRETE	7,796 SF
	PLAY SURFACING	2,995 SF
	IRRIGATED NATIVE SEED	1,755 SF
SYMBOL	DESCRIPTION	QTY
	6" BENCH WITH BACK	X
	TRASH RECEPTACLE	X
	BIKE RACK	X
	DOG WASTE STATION	X
	BANCO	X



YELLOWSTONE
LANDSCAPE

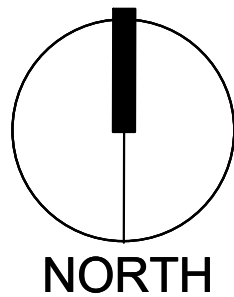
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Drawn by: LF
Reviewed by: JB

Aspire Subdivision

Albuquerque, NM



Scale: 1" = 100'
50 0 100 200

Sheet Title:
Landscape
Plan

Sheet Number:
LP-00