

DS #: 5402

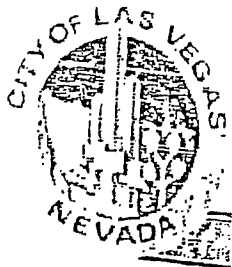
APN: 137-22-301-006 & 137-15-801-002

PROJECT: Summerlin Village 25-High School Staging Stockpile

SUBMITTAL: 3rd

SCANNED BY/DATE:

CHECKED BY/DATE:



CITY OF LAS VEGAS INTER-OFFICE MEMORANDUM		DATE: March 18, 2021
TO: Land Development Services Department of Building & Safety		FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT:	Drainage Study for:	COPIES TO:
	Summerlin Village 25 – High School Staging Stockpile	GCW, Inc.
Cross Streets:	East of Lake Mead Blvd. & Sunset Run Dr.	Howard Hughes Company, LLC
File Number:	F:\Depot\DSMemos\DS5402C.doc	Bart Anderson, P.E., DevCo
Parcel Number:	137-22-301-006 & 137-15-801-002	CCRFCD
Zoning Action:	N/A	
FEMA Flood Zone	YES	NO X
Proposed Storm Drain	YES	NO X

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	1/5/2021	1/19/2021	Not Approved	\$400.00	4121984: \$400
2 nd Submittal	2/22/2021	3/4/2021	Not Approved	N/C	N/C
3 rd Submittal	3/15/2021	3/18/2021	See Comments Below	N/C	N/C
TOTAL FEES (LDDRS):				\$400.00	----

REMARKS:

The Drainage Study for the subject project has been reviewed and:

X	is approved subject to conformance to all City standards and the following conditions:
	must be resubmitted or supplemented including the following:
	is conditionally approved subject to Clark County Regional Flood Control District concurrence.
	is conditionally approved subject to Clark County Public Works Department concurrence.

NOTE: Any future changes to the proposed design (or design assumptions) as outlined in the approved drainage study and attached preliminary grading plan which affect drainage must be addressed in a Drainage Study Update and accepted by the *City of Las Vegas Flood Control Section*. Additionally, conditional acceptance of a drainage study is valid for a period of one (1) year. If the proposed construction has not been completed in that time period, the *City of Las Vegas* reserves the right to require additional conditions and/or submission and acceptance of a complete drainage study update prior to further construction of a project.

NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the Nevada Division of Environmental Protection a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

END OF REMARKS
AYS

T/R/S: T20S/R59E/20
AREA K-22



Summerlin West Village 25

High School Staging Stockpile

Prepared for Howard Hughes Company, LLC

March 10, 2020

HYDROLOGIC CRITERIA AND DRAINAGE MANUAL
DRAINAGE STUDY INFORMATION FORM

Name of Development: Summerlin West Village 25 High School Staging Area Date: March 11, 2021
Location of Development: a) Descriptive (Cross Streets) North/South: Scurry Bend Drive
East/West: Sunset Run Drive
b) Section: 20 Township: 22 Range: 59
c) APN : 137-22-301-006, 137-15-801-002

Name of Owner: Howard Hughes Company, LLC
Telephone No.: (702) 791-4000 Fax No.: (702) 791-4450 E-Mail Address: april.chapman@howardhughes.com
Address: 10845 Griffith Peak Drive, Suite 160, Las Vegas, NV 89135

Contact Person-Name: Janelle Klein, PE Telephone No.: (702) 551-0365
* E-Mail Address: Janelle.Klein@atkinsglobal.com Fax No.: (702) 263-7200
Firm: Atkins
Address: 2270 Corporate Circle, Ste 200, Henderson, NV 89074

Type of Land Development/Land Disturbance Process:

☐	Rezoning	☐	Subdivision Map	☐	Clearing and Grading Only
☐	Parcel Map	☐	Planned Unit Development	☐	Other (Please specify below)
☐	Large Parcel Map	☐	Building Permit	☒	Stockpile

1. Total Owned Land Area: At Site: +/- 340 acres Being Developed/Disturbed: 39.44 acres
2. Is a portion or all of the subject property located in a designated FEMA Flood Hazard Area? ☐ Yes** ☒ No
3. Is the property bordered or crossed by an existing or proposed Clark County Regional Flood Control District Master Planned Facility? ☐ Yes** ☒ No
4. Proposed type of development (Residential, Commercial, Etc.): Stockpile Area
5. Approximate upstream land area which drains to the subject site: _____
6. Has the site drainage been evaluated in the past? ☒ YES ☐ NO If yes, please identify documentation: Update #1 to the Master Conceptual Drainage Study for Summerlin West Village 25
7. If known, please briefly identify the proposed discharge point(s) of runoff from the site: Existing CC-215 Western Beltway Channel
8. Briefly describe your proposed schedule for the subject project: ASAP



3/11/2021

Engineer's Seal

Submit this form as part of the required drainage study to the local entity which has jurisdiction over the subject property. This form may provide sufficient information to serve as the Conceptual Drainage Study.

***New Required Field**

****Review and concurrence of the Clark County Regional Flood Control District is required.**

CLV DS5402 Local Entity File No.	Revision	Date

REFERENCE:

STANDARD FORM 1

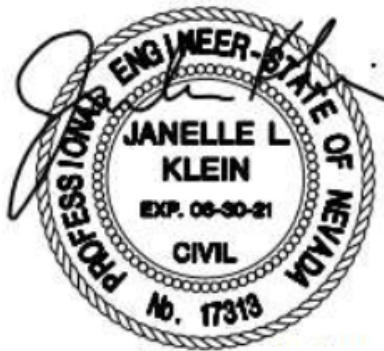
Contents

Chapter	Page
Engineer's Certification	3
Comment Response Letter	4
Appendix A. Comment Letter	6
Appendix B. Dust Control Permit	7
Appendix C. CD-ROM	8

Engineer's Certification

Atkins certifies that the information contained herein has been prepared in accordance with generally accepted engineering principles and practices, and to the best of our knowledge, is true and correct.

This letter certifies that all items in the **Supplement #1 to the Technical Drainage study for Summerlin West Village 25 Technical Drainage Study for High School Staging Stockpile** electronic submittal matches the paper version bound into the study.



Janelle L. Klein, PE (NV #17313)
Senior Engineer

Comment Response Letter

Your reference: DS #5402

Albert Sung
City of Las Vegas Public Works
495 South Main Street
Las Vegas, NV 89101

March 10, 2021

**RE: Supplement #1 TECHNICAL DRAINAGE STUDY FOR SUMMERLIN WEST VILLAGE 25
HIGH SCHOOL STAGING STOCKPILE**

Dear Albert,

This letter and the attached documents have been prepared as an Addendum #1 to the *Technical Drainage Study (TDS) for Summerlin West Village 25 High School Staging Stockpile*.

Comment #1: Provide a copy of the approved Clark County Dust Mitigation Plan with the BMPs prior to the final approval of the subject drainage study.

Comment response: Copy of the approved Dust Mitigation Plan with the BMPs has been provided per request. It is expected that Permit #52799 will be revised to include the acreage disturbed under this stockpile project. Atkins and Howard Hughes are currently working to revise the permit to add the additional acreage before the Stockpile is fully approved by CLV.

Comment #2: Provide a note on the grading plans that states "Stockpile to comply with the approved Dust Mitigation Plan #_____".

Comment response: Note on the grading plans that states "Stockpile to comply with the approved Dust Mitigation Plan #52799" has been added to the plans.

Comment #3: Provide a note on the plans indicating the time limit of the proposed stockpile as outlined in the approved Dust Mitigation Plan.

Comment response: Note on the plans that states "Maximum Allowed Time for Storage is Twelve (12) Months" has been added to the plans.



Janelle L. Klein, PE (NV #17313)
Senior Engineer

Appendix A. Comment Letter

CITY OF LAS VEGAS		DATE:
INTER-OFFICE MEMORANDUM		March 4, 2021
TO: Land Development Services Department of Building & Safety		FROM: Albert Sung, P.E. Flood Control Project Engineer Department of Public Works
SUBJECT:	Drainage Study for:	COPIES TO:
	Summerlin Village 25 – High School Staging Stockpile	GCW, Inc.
Cross Streets:	East of Lake Mead Blvd. & Sunset Run Dr.	Howard Hughes Company, LLC
File Number:	F:\Depot\DSMemos\DS5402B.doc	Bart Anderson, P.E., DevCo
Parcel Number:	137-22-301-006 & 137-15-801-002	CCRFC
Zoning Action:	N/A	
FEMA Flood Zone	YES NO X	
Proposed Storm Drain	YES NO X	

HISTORY	DATE RECEIVED	DATE REVIEWED	COMMENTS	REVIEW FEES	FEES PAID Payment Trn #
1 st Submittal	1/5/2021	1/19/2021	Not Approved	\$400.00	4121984: \$400
2 nd Submittal	2/22/2021	3/4/2021	See Comments Below	N/C	N/C
TOTAL FEES (LDDRS):				\$400.00	----

REMARKS:

The Drainage Study for the subject project has been reviewed and:

	is approved subject to conformance to all City standards and the following conditions:
X	must be resubmitted or supplemented including the following:
	is conditionally approved subject to Clark County Regional Flood Control District concurrence.
	is conditionally approved subject to Clark County Public Works Department concurrence.

The following comments from the first review had not been addressed at all in the Addendum #1.

1. Provide a copy of the approved Clark County Dust Mitigation Plan with the BMPs prior to the final approval of the subject drainage study.
2. Provide a note on the grading plans that states "Stockpile to comply with the approved Dust Mitigation Plan #_____".
3. Provide a note on the plans indicating the time limit of the proposed stockpile as outlined in the approved Dust Mitigation Plan.

NOTE: Please be advised that all land surface area disturbances over 1 acre or any area adjacent to a water way must submit to the Nevada Division of Environmental Protection a "Notice of Intent" to discharge that certifies a stormwater pollution prevention plan has been developed and is maintained on site; for inclusion in the Stormwater General Permit No. NVR100000. A phased construction unit in a contiguous subdivision is considered under construction until all stripped or disturbed surface areas have been covered by paving, building construction or planting. For more information, including forms and applications see <http://ndep.nv.gov/bwpc/storm01.htm> or call (775) 687-9429.

END OF REMARKS
AYS

T/R/S: T20S/R59E/20
AREA K-22

Appendix B. Dust Control Permit

Appendix C. CD-ROM

Atkins

2270 Corporate Circle
Suite 200
Henderson, NV 89074-7755

Tel: +1 702 263 7275/+1 800 483 6244

Fax: +1 702 263 7200

Direct: +1 702 551 0365

janelle.klein@atkinsglobal.com



Department of Environment and Sustainability,
Division of Air Quality
4701 W. Russell Rd. Suite 200 2nd Floor
Las Vegas, NV 89118
Main Number: (702)455-5942
Fax Number: (702)383-9994

Dust Control Operating Permit (DCOP) For Construction Activities

This permit does not exempt the permittee from compliance with the Endangered Species Act

Permit #: 52799 - Revision #0
Permittee: The Howard Hughes Company
Project: Village 25 Roadways
Project Address: W of Summerlin Parkway & I215
Cross Streets: I215/Summerlin Parkway W
Effective Date: 8/25/2020
Expiration Date: 8/25/2021
Revision Date:
Project Acreage: 54.0
Area: WNW - West/Northwest

Notes/Additional Permit Conditions

*Permit closure is conditional upon compliance with the Paved Road Development Standards in Section 93 Regulations.

Onsite Project Manager:

Name: Angela Henderson
Company: The Howard Hughes Company
Phone Number: 702.279.4636

Responsible Official:

Name: Angela Henderson
Company: The Howard Hughes Company
Phone Number: 702.791.4420
Cell Number: 702.279.4636

Dust control measures must occur 24 hours a day, 7 days a week.

This permit is not valid until all fees are paid in full and a complete copy of the permit with conditions and the dust mitigation plan is posted on the project site.

It is a condition of the issuance of any operating permit required by the commission or pursuant to any local ordinance for the control of air pollution that the holder of the operating permit agrees to permit inspection of the premises to which the permit relates by any authorized officer of the department at any time during the holder's hours of operation without prior notice. This condition must be stated on each application form and operating permit. NRS 445B.580.

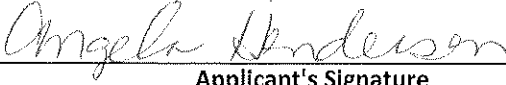
The issuance of this PERMIT does not relieve the PERMITTEE from compliance with all other applicable federal, state, county and local ordinances and regulations. Issuance of this PERMIT shall not be a defense to violations of any applicable ordinances or regulations.

Dust Control Operating Permit (DCOP) Application Clark County Department of Air Quality				For DAQ Use Only			
NOTE: Demolition by implosion is not covered by this application -- use Implosion Operating Permit Application.				Invoice Number: _____			
Application Type (Select One):				Applicant Type (Select One):			
☒ New ☐ Renewal ☐ Modification				☒ Property Owner ☐ Developer ☐ Easement Holder ☐ Contractor ☐ Government			
Received by email on 8-18-2020 at 10:33 AM From: Angela Henderson							
1. Responsible Official (Applicant) Information:							
Responsible Official Name:		Responsible Official Title:		Permittee (Owner/Company/Organization Name):			
ANGELA HENDERSON		MANAGER OF CONSTRUCTION		THE HOWARD HUGHES COMPANY			
Permittee Mailing and Email Address Information							
Number:	Direction:	Street:		Street Type:	Suite:	PO Box:	
10845		GRIFFITH PEAK		DR	160		
City:	LAS VEGAS			State:	NV	Zip:	89135
Email:	ANGELA.HENDERSON@HOWARDHUGHES.COM			Primary Communication Method: ☒ Email ☐ US Postal			
Phone Numbers							
Office:	702-791-4420	Extension:		Cell:	702-279-4636	Fax:	702-791-4450
2. Construction Site Superintendent or other designated On-site Representative:							
Name:		Title:		Company:			
ANGELA HENDERSON		MANAGER OF CONSTRUCTION		THE HOWARD HUGHES COMPANY			
Email:	ANGELA.HENDERSON@HOWARDHUGHES.COM			Dust Card #:	DM1501007	Card Expires:	11/06/2020
Office:	702-791-4420	Extension:		Cell:	702-279-4636	Fax:	702-791-4450
3. Project Information:							
Permit # (For new permit, enter NEW; otherwise, enter existing DCOP #):				NEW		Project Attributes (check all that apply):	
Project Name (same as signage):				VILLAGE 25 ROADWAYS		☒ Residential ☐ Commercial ☐ Government Facility ☒ Infrastructure Utilities ☐ Flood Control ☐ Airport ☐ Soil Remediation ☐ Structure Demolition ☒ Roadway ☐ Blasting	
Project Description:							
DEVELOPING ROADWAYS FOR FUTURE DEVELOPMENT				KMZ FILE SUBMITTED			
* - Permit closure is conditional upon compliance with the Paved Road Development Standards in Section 93 Regulations.				RG.08/25/2020			
Modification Acreage Added:		0		Modification Acreage Removed:		0	
Project Modification Description:							
Portable crushing and/or powered screening equipment supporting an on-site single construction activity and remaining onsite for less than 12 months is exempt from the stationary source permitting requirements of AQR Section 12.1 and will instead be subject to the conditions of the Dust Control Operating Permit issued pursuant to AQR Section 94. This exemption does not apply to equipment listed as emission units in a current minor source permit unless the permit states otherwise.							
Will portable crushing or powered screening occur onsite? ☐ Yes ☒ No				Projects less than two weeks in duration may qualify for a sign waiver.			
If yes, what is the anticipated date that equipment will be brought onsite?				Does the project qualify for a sign waiver request?			
What is the duration equipment will remain onsite?				☐ Yes ☒ No Is a sign waiver requested for this project? ☐ Yes ☒ No			

Project Physical Location									
Number:		Direction:		Street:			Street Type:		Suite:
				W OF SUMMERLIN PARKWAY & I215					
City:	LAS VEGAS			State:	NV		Zip:	89135	
<i>List major cross streets and the proximity to the intersection:</i>									
1st Cross Street:				2nd Cross Street:				Proximity:	
I215				SUMMERLIN PARKWAY				W	
4. Project Disturbed Surface Area:									
a. Project Disturbed Surface Area Information:									
Nonlinear Area Disturbed (Acreage in Tenths)									
(e.g., project site, stockpiles, staging areas, etc.)									
New/Current Total Nonlinear Project Acreage:			54		Total Proposed Nonlinear Project Acreage (new/renewal/modifications):			54	
Linear Area Disturbed (Not Within Nonlinear Area)									
(e.g., new unpaved access roads, off-site that may include trenching for utilities, street development, road work, etc.)									
Enter total number of linear segments:								0	
New/Current DCOP Maximum Linear Dimensions: (enter dimensions for new/current DCOP)					Proposed DCOP Maximum Linear Dimensions: (enter dimensions for DCOP modification/renewal DCOP)				
Linear Length:		Length Unit of Measure:		Linear Width (feet):	Linear Length:		Length Unit of Measure:		Linear Width (feet):
0		Feet		0	0		Feet		0
New/Current Total Linear Project Acreage:			0		Proposed Total Linear Project Acreage:			0	
(1) Nonlinear Area Acreage Subtotal:		54		(2) Linear Area Acreage Subtotal:		0		Total Project Area Disturbed (1) + (2):	
						54		Modification Acreage Increase:	
								0	
b. Project Parcel. List a parcel number for the project. Particulate Emission Potential (PEP) will automatically be determined by the parcel number. If your project spans multiple parcel numbers, DAQ reserves the right to request the parcel number be changed to account for a higher soil PEP.					Parcel Number		Project PEP		
					13722301004		MODERATE HIGH		
If the project acreage is ten acres or more or if project trenching activities are one mile in length or more, a detailed supplement to the Dust Mitigation Plan must be submitted with this application in accordance with Section 94.5.5 of the Clark County Air Quality Regulations (AQRs) and Appendix B of the Construction Activities Dust Control Handbook.									
Project Map Must Be Attached to DCOP Application NOTE: Air Quality does not accept engineering drawings.									
5. Responsible Official (Applicant) Certification Statement. By signing this permit application, the signatory certifies the following:									
a. As the Responsible Official (applicant), I am authorized on behalf of the Owner Builder/Company/Organization (permittee) listed in Section 1 to apply for this Dust Control Operating Permit (DCOP) and to commit to all of the terms and conditions therein.									
b. Before disturbing soils on a parcel, enacting a grade change, constructing a structure and/or appurtenances, or installing, constructing, or modifying equipment that emits an air pollutant, you must contact and obtain all required permits from Clark County's Department of Comprehensive Planning, Building Department, Department of Air Quality (Title 30 Notice) and the municipality with jurisdiction.									
c. The permit issued in response to this application is not a substitute for obtaining the property owner's permission to use land associated with the project. Issuance of the DCOP is intended only for controlling the emission of air pollutants and assuring compliance with the AQRs. Clark County cannot be held liable for any unauthorized use of the land.									
d. If applying on behalf of the permittee listed in Section 1, the permittee shall be responsible for complying with requirements of this DCOP and the AQRs. Otherwise, the applicant listed in Section 1 shall be the responsible party.									
e. The permittee accepts responsibility for assuring that all contractors, subcontractors, and other persons on the construction site defined by this permit comply with the terms and conditions of the DCOP, the associated Dust Mitigation Plan and the AQRs.									
f. In accordance with the DCOP and the AQRs, the applicant and the permittee shall consent to inspection of the site during normal hours of operation by DAQ staff without prior notice to determine compliance with the terms and conditions of the DCOP and the AQRs.									

- g. If the project has 50 or more acres of actively disturbed soil, the permittee shall notify DAQ and identify the on-site Dust Control Monitor for the project(s). In addition, this notification requirement applies to the following circumstances:
- When the permittee has common control of multiple adjacent projects that individually have less than 50 acres of actively disturbed soil, but the combined project has 50 or more acres of actively disturbed soil; or
 - When the permittee has common control of multiple projects that are not adjacent, but are within a common master-planned community and have 50 or more acres of actively disturbed soil.
- The permittee shall notify DAQ using the current notification form, which is available on the DAQ website and at the front counter of the main office, before disturbing the soil. The Dust Control Monitor must be on-site at all times when construction activities occur and shall manage dust prevention and control on-site.

Applicant Certification

ANGELA HENDERSON		8/18/2020
Responsible Official Name	Applicant's Signature	Signature Date

Advisories

- a. DCOP acreage fee is based on total project acreage of disturbed surface area (Item 4.a. of this application), which is rounded up to the next whole acre. If the project is less than 1 acre, a minimum of 1 acre shall apply to the project for fee purposes. All fees must be paid in full at the time of application; otherwise, the application cannot be accepted.
- b. Any payment made to the department in conjunction with this application may only be refunded to the permittee with the approval of the Board of County Commissioners. Approved refunds may not be issued to a preparer. Only the applicant or permittee may request a refund, which must contain written justification, a completed federal W-9 Form, a copy of the invoice/receipt, a completed Clark County Supplier Addition/Maintenance/Update form, and a copy of the cancelled check (front & back) . The Control Officer shall have sole discretion to approve/disapprove the request for refund approval.
- c. Stormwater Advisory: Be advised that all land disturbances that exceed 1 acre or are adjacent to a waterway must submit a "Notice of Intent" to the Nevada Division of Environmental Protection that certifies a Storm Water Pollution Prevention Plan has been developed and is maintained for the site. Contact NDEP at (775) 687-9429 for an application, information, and instructions.
- d. Payment : Invoice payments must be made by check, money order, or credit card. Checks and money orders must be made payable to Department of Air Quality or DAQ. Credit card payment must be made in person at the DAQ main office.

WNW / 212
RG 08/25/2020

DUST MITIGATION PLAN

Permit # :			NEW
Project Name:	VILLAGE 25 ROADWAYS		
Company (Permittee):	THE HOWARD HUGHES COMPANY		
Total Project Area Disturbed:	54	Particulate Emission Potential (PEP):	MODERATE HIGH

If the project acreage is ten acres or more or if project trenching activities are one mile in length or more, a detailed supplement to the Dust Mitigation Plan must be submitted with this application in accordance with Section 94.5.5 of the Clark County Air Quality Regulations (AQRs) and Appendix B of the Construction Activities Dust Control Handbook.

Water Source (check all that apply)	Water Application Method (check all that apply)
☒ Hydrant with Jones Valve ☒ Stand Tanks ☐ Ponds ☐ Well ☐ Other (Describe Below): 	☒ Fire Hose ☒ Water Trucks/Pulls ☐ Other (Describe Below):

Project Activities:

The Dust Mitigation Plan applies to the following project activities: **Backfilling** (Filling area previously excavated or trenched); **Blasting - Abrasive** (Sandblasting and/or abrasive blasting); **Blasting Soil & Rock** (Explosive blasting of soil and rock); **Clearing & Grubbing** (Clearing and grubbing for site preparation and vacant land cleanup); **Clearing Forms, Foundations and Slabs** (Clearing and cleaning of forms, foundations and slabs prior to pouring concrete); **Crushing** (Crushing of construction and demolition debris, rock and soil); **Cut and/or Fill** (Cut and/or fill soils for site grade preparation); **Demolition - Mechanical/Manual** (Mechanical and manual demolition of walls; stucco, concrete, freestanding structures, buildings, load-bearing walls and/or removal of transit pipe); **Disturbed Soil** (Disturbed soil throughout project including between structures); **Disturbed Land - Long Term Stabilization** (Large tracts of disturbed land that will not have continuing activity for more than 30 days); **Dust Suppressants** (Selection and use of chemical and organic dust suppressing agents and other dust palliatives); **Importing/Exporting Materials** (Importing or exporting of soil, aggregate, decorative rock, debris, Type II and other bulk material); **Landscaping** (Installation of sod, decorative rock, desert or other landscape material); **Paving/Subgrade Preparation** (Subgrade preparation for paving streets, parking lots, etc.); **Sawing/Cutting Material** (Sawing or cutting materials such as concrete, asphalt, block or pipe); **Screening** (Screening of rock, soil or construction debris); **Staging Areas** (Staging areas, equipment storage, vehicle parking lots, and material storage areas); **Stockpiles** (Stockpiling of materials, such as Type II, other soils, rock or debris, for future use or export); **Trackout Prevention and Cleanup** (Prevention and cleanup of mud, silt and soil tracked out onto paved roads); **Traffic - Unpaved Routes and Parking** (Construction related traffic on unpaved interior and/or access roads and unpaved employee/worker parking areas); **Trenching** (Trenching with track or wheel mounted excavator, shovel, backhoe or trencher); and **Truck Loading** (Loading trucks with materials including construction and demolition debris, rock and soil).

This DCP Application and Dust Mitigation Plan does not include project activities related to **Demolition - Implosion** (Implosive demolition of a structure, using explosives).

Best Management Practices (BMPs) - Control Measures:

The permittee shall comply with all requirements of Section 94 of the AQRs, all requirements of the current *Clark County Dust Control Handbook*, and all provisions of the DCOP issued from this application.

For each project activity listed in this Dust Mitigation Plan, the permittee shall comply with the requirements for the associated BMPs in the *Dust Control Handbook*. Where options are listed for a BMP requirement, the permittee shall apply one or more of the control measures to comply with the requirement. The permittee will apply corresponding control measures for the PEP for the project soil type(s).

Construction Site Dust Control Monitor

1. Applicant (Permittee) Information:

Company (Permittee):	THE HOWARD HUGHES COMPANY	# of Permits:	1
----------------------	---------------------------	---------------	---

Air Quality Regulation Section 94.7.5 requires a Dust Control Monitor for any construction project that has 50 acres or more of disturbed soils. This requirement is applicable to multiple sites that are individually permitted at less than 50 acres each, if they are adjacent to one another, under common ownership, or are within a master planned community, and together they have 50 acres or more of disturbed soil.

Dust Control Monitor's Name:	Company/Organization:	Dust Monitor Card #:	1904008
ALEX ROMERO CRUZ	JC COMPANIES	Card Expires:	04/03/2022
Office:	Extension:	Cell:	702-351-6415
		Fax:	

Project Name(s), Permit Number(s) & Acreage (in tenths):

Project Name	Permit #	Project Acreage
VILLAGE 25 ROADWAYS		54
Total Acreage:		54

Summerlin Village 25 Dust Mitigation Plan August 25, 2020

Project Description:

Village 25 is a portion of the Western Planning area of the Summerlin Master Planned Community being developed by Summerlin Development LLC. Summerlin Village 25 will encompass 535 acres total.

Scope of Improvements:

Scope of improvements scheduled will be as follows:

- Grading 10/2020
- Dust Palliative 10/2021
- Project Completion 10/2021

Our budget for Dust Control on this project is \$60,000.00 this includes a full time dust control monitor on site. Alex Cruz is our full time dust monitor with JC Companies. His AQ number is DM1904008.

Management:

The grading operation will be under the overall supervision of Jorge Sosa, Manager of Construction for The Howard Hughes Corporation (THHC). THHC field inspectors will be onsite to monitor compliance with the dust mitigation plan at all times during operations and will make periodic inspection of inactive sites to assure the effectiveness of the dust mitigation measures. The actual dust mitigation will be performed under contract by JC Companies. This firm has extensive experience with dust control on large earthwork operations in Clark County and elsewhere. They will have trained representative's onsite during construction and the application of any dust palliative to assure compliance with manufacturers' application recommendations and to see that dust mitigation measure are undertaken at appropriate times and using appropriate methods. THHC holds ongoing weekly construction coordination meetings with all the contractors working on the project. THHC will continue to use those meetings to discuss any dust mitigation issues with the contractors.

Water Sources:

Various fire hydrants along Sky Vista Dr.

Explanation of Control Measures:

Water will be placed over the disturbed soil to form a crust at the end of each working day. No equipment will be driven on any paved roads therefore there will be no track out.

Contingency Matters:

All work will cease until soil content is brought up to standards.

Soil Stabilization Matters:

Pads will be crusted with water the interior roads will be paved and landscaping installed. A dust suppressant will be applied to the haul road by JC Companies.

Dust Monitor:

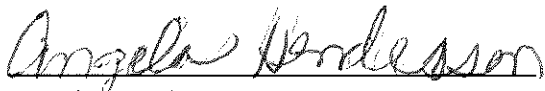
Alex Cruz #DM1904008

JC Companies

Phone: 702-351-6415

Contact after hours:

Angela Henderson (702) 279-4636

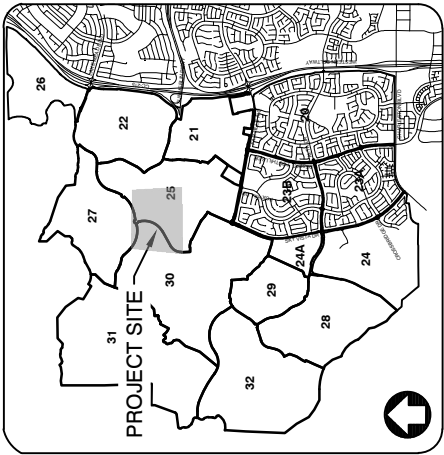
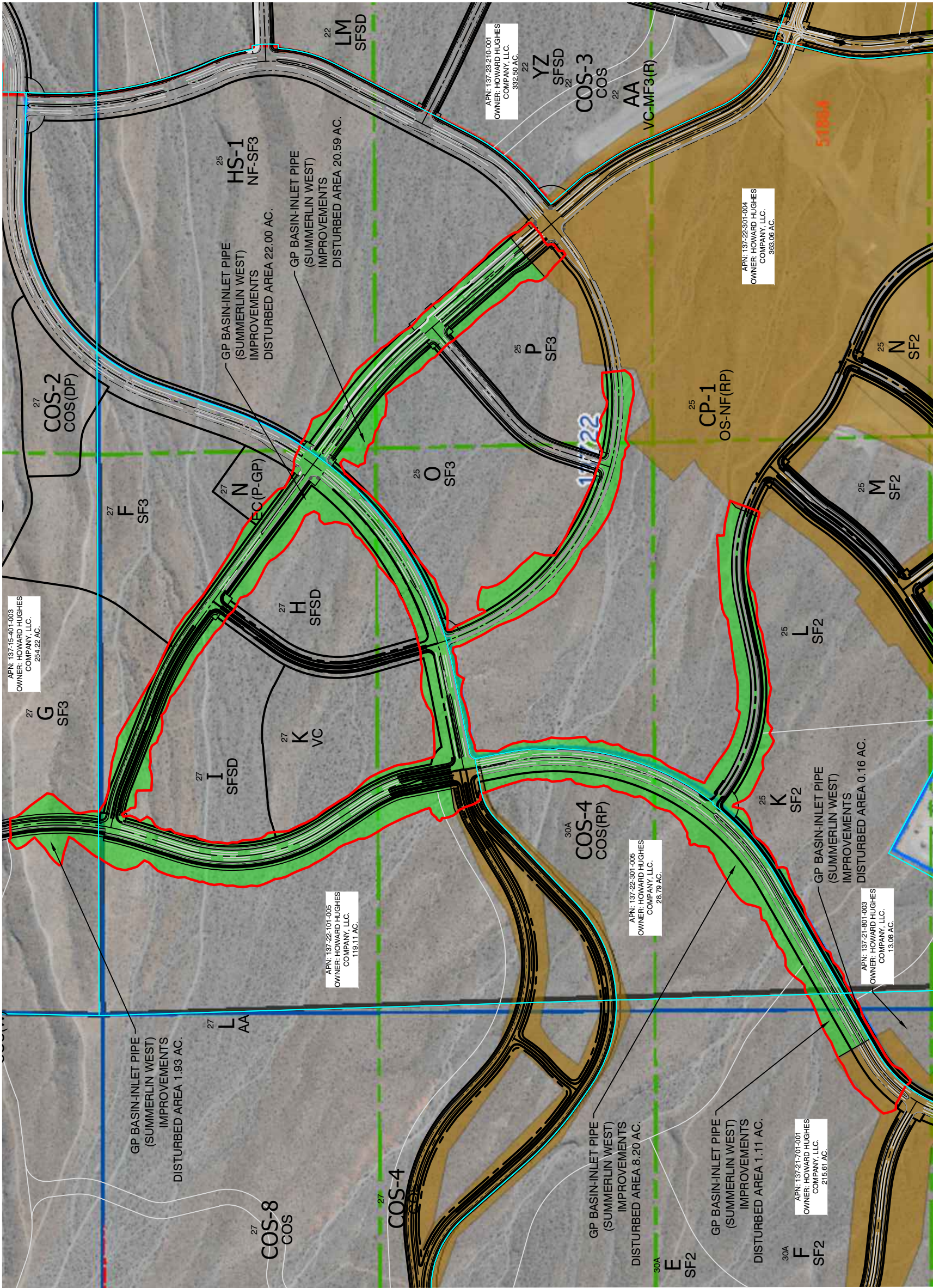
A handwritten signature in cursive script that reads "Angela Henderson".

Angela Henderson

Manager of Construction

The Howard Hughes Corp





SUMMERLIN WEST -
GRAND PARK DETENTION BASIN INLET PIPE
AIR QUALITY EXHIBIT
August 5, 2020

LEGEND



- DISTURBED AREA - APN: 137-22-301.004 = 20.59 AC.
- DISTURBED AREA - APN: 137-21-801-003 = 0.16 AC.
- DISTURBED AREA - APN: 137-15-401-003 = 1.93 AC.
- DISTURBED AREA - APN: 137-22-101-005 = 22.00 AC.
- DISTURBED AREA - APN: 137-22-301-005 = 8.20 AC.
- DISTURBED AREA - APN: 137-21-701-001 = 1.11 AC.
- TOTAL DISTURBED AREA = 53.99 AC.**

W.O.#:	7809
DATE:	07/28/2020
BY:	KTC
SCALE:	1"=500'
SHEET	1 OF 1

Ross Grover

From: Angela Henderson <Angela.Henderson@howardhughes.com>
Sent: Tuesday, August 25, 2020 7:29 AM
To: Ross Grover
Subject: RE: THE HOWARD HUGHES COMPANY-VILLAGE 25 ROADWAYS Dust Permit Application review
Attachments: GP BASIN Inlet Air Quality-AIR QUALITY.pdf; 20200825074310495.pdf

Good morning
Here you go

Angela Henderson
Senior Manager, Construction

Summerlin
Two Summerlin | 10845 Griffith Peak Dr. | Suite 160 | Las Vegas, NV 89135
702.791.4420 phone | 702.791.4588 fax | 702.279.4636 mobile

From: Ross Grover <Ross.Grover@ClarkCountyNV.gov>
Sent: Monday, August 24, 2020 4:41 PM
To: Angela Henderson <Angela.Henderson@howardhughes.com>
Subject: THE HOWARD HUGHES COMPANY-VILLAGE 25 ROADWAYS Dust Permit Application review

This email originated from an external server. Use caution.

Greetings,
Please respond as soon as possible so not to delay the approval process. I have reviewed your Dust Control Operating Permit application and have questions and/or need additional information. Applications cannot be updated with verbal authorization so **please reply to this email.**

1. Please supply maps in pdf form for your application submittal
2. The project is 10 acres or greater, therefore a Supplement to the Mitigation Plan (SMP) must be submitted. I have attached an instruction sheet and example. The SMP must include an estimated budget for dust control (It can be monthly, weekly, or project wide and just needs to be a rough estimate but should include: water, water trucks/pulls, palliative, etc.). I have attached a sample for your review.

Sincerely,

Ross Grover
Senior Air Quality Specialist
Department of Environment and Sustainability
Air Quality Division – Enforcement Section
4701 W. Russell Rd, Suite 200
Las Vegas, NV 89119
702-455-1630 office phone

https://www.clarkcountynv.gov/government/departments/environment_and_sustainability/division_of_air_quality/permitting/applications_forms/dust_permitting_forms.php#outer-4005

https://www.clarkcountynv.gov/government/departments/environment_and_sustainability/division_of_air_quality/index.php
https://www.clarkcountynv.gov/government/departments/environment_and_sustainability/dust_classes.php

***Effective July 27, 2020 – New working hours are M-TH, 7:30 – 5:30.
DES offices are not open to the public at this time.
All County offices are closed on Fridays.***

Disclaimer

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Best Management Practices (BMPs) & Control Measures

BMP 01

BACKFILLING

Definition: Filling area previously excavated or trenched.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize backfill material when not actively handling.

- 01-01 Water backfill material to maintain moisture or to form crust when not actively handling.
- 01-02 Apply and maintain a dust palliative to backfill material to form crust when not actively handling.
- 01-03 Cover or enclose backfill material when not actively handling.

Requirement: Stabilize backfill material during handling.

- 01-04 Empty loader bucket slowly and minimize drop height from loader bucket.
- 01-05 Dedicate water truck or large hose to backfilling equipment and apply water as needed.

Requirement: Stabilize backfill material during handling based on project soil type.

- 01-07 L & ML: Apply and mix water into the backfill material until optimum moisture is reached.
- 01-08 MH: Apply and mix water and tackifier solution into the backfill material until optimum moisture is reached.
- 01-09 H: Apply and mix water and surfactant solution into the backfill material until optimum moisture is reached.

Requirement: Stabilize soil at completion of backfilling activity.

- 01-10 Apply water and maintain disturbed soils in a stable condition until permanent stabilization is complete.
- 01-11 Apply and maintain a dust palliative on disturbed soils to form a crust following backfilling activity.

Requirement: Stabilize material while using pipe padder equipment.

- 01-12 Mix moist soil with dry soil until the optimum moisture is reached.
- 01-13 Dedicate water truck or large hose to equipment and apply water as needed.

Best Management Practices (BMPs) & Control Measures

BMP 02

BLASTING - ABRASIVE

Definition: Sandblasting and/or abrasive blasting.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

02-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

02-02 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Limit visible emissions to no more than an average of 40% opacity for any period aggregating 3 minutes in any 60-minute period pursuant to Air Quality Regulations.

02-03 Hydro-blasting, using water as the propellant, must be conducted in a manner to maintain visible emissions within opacity standards.

02-04 Dry, unconfined blasting with abrasive material must use only those abrasives that are approved and certified by the California Air Resources Board (CARB) for such use (see Attachment 3: CARB-Approved Abrasives Information).

Requirement: Stabilize particulate matter in surrounding area following blasting.

02-05 Clean particulate material from surrounding area and water disturbed soils following blasting.

02-06 Apply and maintain a dust palliative to surrounding area following blasting.

Best Management Practices (BMPs) & Control Measures

BMP 03

BLASTING - SOIL & ROCK

Definition: Explosive blasting of soil and rock.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: A Blasting Supplemental form must be filled out, submitted and approved by the DAQEM prior to any blasting (see Appendix A: Dust Control Permit Supplemental Forms)

Requirement: No blasting within 1,500 feet of a residential area, occupied building or major roadway, when wind direction is toward these structures.

Requirement: Blasting shall be between the hours of 8:00 a.m. and 4:30 p.m., excluding Saturdays, Sundays and holidays unless prior permission is obtained from the Control Officer.

Requirement: No blasting allowed when the National Weather Service forecasts wind gusts above 25 miles per hour (mph).

03-01 Prior to setting explosive charges in holes, document current and predicted weather conditions as provided by the National Weather Service. If the current forecast is for wind gusts of 25 mph or greater or they are forecasted to be 25 mph or greater within the next 24 hours, do not charge any blast holes. When setting explosive charges, monitor weather reports for wind gusts of 25 mph or greater on the National Weather Service Radio and/or Internet sites. If wind gusts above 25 mph are stated, d

Requirement: Stabilize surface soils where drills, support equipment and vehicles will operate.

03-02 Pre-water and maintain surface soils in a stabilized condition where drills, support equipment and vehicles will operate.

03-03 Apply and maintain a dust palliative on surface soils where drills, support equipment and vehicles will operate.

Requirement: Stabilize soil during blast preparation activities.

03-04 Limit the blast footprint area to no larger than what can be practically stabilized immediately following the blast.

03-05 Maintain surface rock and vegetation where possible to reduce exposure of disturbed soil to wind.

Requirement: Stabilize soil during blast preparation activities based on project soil type.

03-06 L & ML: Presoak surface soils to depth of the caliche or bedrock with water using water trucks, water pulls, sprinklers or wobblers.

03-07 MH: Presoak surface soils to depth of the caliche or bedrock with water and tackifier mixture using water trucks, water pulls, sprinklers or wobblers.

03-08 H: Presoak surface soils to depth of the caliche or bedrock with water and surfactant mixture using water trucks, water pulls, sprinklers or wobblers.

Requirement: Stabilize soil after blasting.

03-09 Water disturbed soils to form crust immediately following blast and safety clearance.

03-10 Apply and maintain a dust palliative to form crust immediately following blast and safety clearance.

Best Management Practices (BMPs) & Control Measures

BMP 04

CLEARING & GRUBBING

Definition: Clearing and grubbing for site preparation and vacant land cleanup.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

04-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

04-02 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Stabilize soil during clearing and grubbing activities.

04-03 L & ML: Apply water during clearing and grubbing activities.

04-04 MH: Apply water and tackifier mixture during clearing and grubbing activities.

04-05 H: Apply water and surfactant mixture during clearing and grubbing activities.

Requirement: Stabilize disturbed soil immediately after clearing and grubbing activities.

04-06 Water disturbed soils to form crust immediately following clearing and grubbing activities.

04-07 Apply and maintain a dust palliative on disturbed soils to form crust immediately following clearing and grubbing activities.

Best Management Practices (BMPs) & Control Measures

BMP 05

CLEARING FORMS, FOUNDATIONS AND SLABS

Definition: Clearing and cleaning of forms, foundations and slabs prior to pouring concrete.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible emissions to no more than an average of 20% opacity for any period aggregating 3 minutes in any 60-minute period pursuant to Air Quality Regulations.

05-01 Use single stage pours, unless prohibited by engineering design or building code, to minimize clearing.

Requirement: Limit visible emissions to no more than an average of 20% opacity for any period aggregating 3 minutes in any 60-minute period by complying with at least one of the additional control measures.

05-02 Use water spray to clear forms, foundations and slabs.

05-03 Use sweeping and water spray to clear forms, foundations and slabs.

05-04 Use industrial vacuum to clear forms, foundations and slabs prior to the use of high pressure air to blow soil and debris.

05-05 Use industrial vacuum to clear forms, foundations and slabs.

Best Management Practices (BMPs) & Control Measures

BMP 06

CRUSHING

Definition: Crushing of construction and demolition debris, rock and soil.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Obtain the appropriate Operating Permit for powered crushers prior to engaging in crushing activity. Comply with permit conditions.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

06-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

06-02 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.

Requirement: Stabilize material before crushing.

06-03 Pre-water material prior to loading into crusher.

06-04 Test material to determine moisture content and silt loading, crush only material that is at optimum moisture content.

Requirement: Stabilize material during crushing.

06-05 Apply water to stabilize material so as to remain in compliance with opacity standards and permit conditions, during crushing.

06-06 Monitor emissions opacity. Make adjustments to remain in compliance with opacity standards and permit conditions.

Requirement: Stabilize material after crushing.

06-07 Water crushed material to form crust immediately following crushing.

06-08 Apply and maintain a dust palliative to crushed material.

Best Management Practices (BMPs) & Control Measures

BMP 07

CUT AND/OR FILL

Definition: Cut and/or fill soils for site grade preparation.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

07-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

07-02 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.

Requirement: Pre-water soils based on project soil type.

07-03 Dig a test hole to depth of cut or equipment penetration to determine if soils are moist at depth. Continue to pre-water if not moist to depth of cut.

07-04 L & ML: Pre-water with sprinklers or wobblers to allow time for penetration.

07-05 L & ML: Pre-water with water trucks or water pulls to allow time for penetration.

07-06 MH: Pre-water with a water and tackifier mixture using sprinklers or wobblers to allow time for penetration.

07-07 MH: Pre-water with a water and tackifier mixture using water trucks or water pulls to allow time for penetration.

07-08 H: Pre-water with a water and surfactant mixture using sprinklers or wobblers to allow time for penetration.

07-09 H: Pre-water with a water and surfactant mixture using water trucks or water pulls to allow time for penetration.

Requirement: Stabilize soil during cut activities.

07-10 Apply water, using water truck or water pull, to depth of cut prior to subsequent cuts.

07-11 No cut activities fill only.

Requirement: Stabilize soil after cut and fill activities.

07-12 Water disturbed soils to form crust following fill and compaction.

07-13 Apply and maintain a dust palliative on disturbed soils to form crust following fill and compaction.

Best Management Practices (BMPs) & Control Measures

BMP 08

DEMOLITION - IMPLOSION

Definition: Implosive demolition of a structure, using explosives.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: A Demolition Supplemental form (see Appendix A) and a Supplement To The Dust Mitigation Plan (see Appendix B) must be filled out, submitted and approved by the Control Officer prior to implosion.

Requirement: An asbestos survey must be conducted on any facility before demolition can commence.

Requirement: A complete Clark County NESHAP Notification form must be submitted to the DAQEM at least ten working days prior to demolition. The asbestos survey must be attached to this notification.

Requirement: All friable and non-friable asbestos containing material must be removed from the facility prior to implosion.

Requirement: Confine blasting to times when wind direction is away from closest residential areas, occupied buildings and major roadways.

Requirement: Implosion time must be pre-approved by the Control Officer.

Requirement: Monitor and document current weather conditions and weather predictions from National Weather Service.

08-01 Prior to setting explosive charges, obtain and document current and predicted weather conditions as provided by the National Weather Service. If wind advisory (over 20 miles per hour gusts or average wind speed of 10 miles per hour) is current or forecasted for blast period, do not set charges and do not blast. Maintain a calibrated anemometer and log ambient air velocity and direction within 1,000 feet of the implosion site, beginning at least 1 (one) hour prior to and 15 minutes after the impl

Requirement: Stabilize surface area where support equipment and vehicles will be operated.

08-02 Restrict support equipment and vehicles to existing paved and/or stable areas.

08-03 If paved and/or stable areas do not already exist, pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

08-04 If paved and/or stable areas do not already exist, apply and maintain a dust palliative on surface soils where support equipment and vehicles will be operated.

Requirement: Stabilize demolition debris immediately following blast and safety clearance.

08-05 Apply water to debris immediately following blast and safety clearance.

08-06 Apply and maintain a dust palliative to debris immediately following blast and safety clearance.

Requirement: Stabilize and clean surrounding area immediately following blast and safety clearance.

08-07 Water all disturbed soil surfaces to establish crust and prevent wind erosion of soil.

08-08 Thoroughly clean blast debris from paved and other surfaces following blast and safety clearance.

Best Management Practices (BMPs) & Control Measures

BMP 09

DEMOLITION - MECHANICAL/MANUAL

Definition: Mechanical and manual demolition of walls, stucco, concrete, freestanding structures, buildings, load-bearing walls and/or removal of transit pipe.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: For renovation or demolition of a structure, a Demolition Supplemental form (see Appendix A) must be filled out, submitted and approved by the Control Officer prior to commencing demolition.

Requirement: An asbestos survey must be conducted on any facility or structure that is subject to NESHAP requirements before demolition can commence.

Requirement: A complete Clark County NESHAPS Notification form must be submitted to the DAQEM at least ten working days prior to demolition. The asbestos survey must be attached to this notification.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

09-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

09-02 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.

09-03 Area where support equipment and vehicles will operate is completely covered with paving or concrete.

Requirement: Stabilize demolition debris during handling.

09-04 Apply water to demolition debris during handling.

Requirement: Stabilize debris following demolition.

09-05 Apply water to stabilize demolition debris.

09-06 Apply a dust palliative to stabilize demolition debris.

Requirement: Stabilize surrounding area following demolition.

09-07 Apply water to stabilize surrounding area following demolition.

09-08 Apply and maintain a dust palliative to stabilize surrounding area following demolition.

Best Management Practices (BMPs) & Control Measures

BMP 10

DISTURBED SOIL

Definition: Disturbed soil throughout project including between structures.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: For each non-linear project to be permitted for 5 acres or less; install perimeter wind barrier 3 feet or more in height made of material with a porosity of 50% or less.

Requirement: Limit vehicle traffic and disturbance of soils where possible.

10-01 Limit vehicle traffic and disturbance of soils with the use of fencing, barriers, barricades, and/or wind barriers.

Requirement: Stabilize and maintain stability of all disturbed soil throughout construction site.

10-02 Apply water to stabilize disturbed soils. Soils must be kept in a sufficiently damp, crusted or covered condition.

10-03 Apply and maintain a dust palliative based on soil type and future plans.

Requirement: Soil conditions, including preventive and corrective measures, must be recorded every day the construction project is active.

10-04 Record soil conditions and dust control actions in daily project records.

Best Management Practices (BMPs) & Control Measures

BMP 11

DISTURBED LAND - LONG TERM STABILIZATION

Definition: Large tracts of disturbed land that will not have continuing activity for more than 30 days.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize soil to meet standards required by Air Quality Regulation Section 90.

- 11-01 Apply and maintain a dust palliative on disturbed soils for long-term stabilization.
- 11-02 Stabilize disturbed soil with vegetation for long-term stabilization.
- 11-03 Pave or apply surface rock for long-term stabilization.
- 11-04 Use wind breaks in accordance with a site-specific plan approved by the Control Officer and Region IX Administrator of the EPA.
- 11-05 Apply water and maintain soils in a visible damp or crusted condition for temporary stabilization.

Requirement: Prevent access to limit soil disturbance.

- 11-06 Prevent access by fencing, ditches, vegetation, berms or other suitable barrier or means approved by the Control Officer.

Best Management Practices (BMPs) & Control Measures

BMP 12

DUST SUPPRESSANTS - SELECTION AND USE

Definition: Selection and use of chemical and organic dust suppressing agents and other dust palliatives.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Follow CCHD “Interim Policy on Dust Palliatives Use In Clark County, Nevada”.

Requirement: Record use of suppressants and dust palliatives and retain records.

Requirement: Follow applicable federal and state regulations.

Requirement: Select method of long-term stabilization taking into consideration future land use.

12-01 For traffic area applications use Table 1: Traffic Area Application Requirements, Appropriate Use of Liquid Dust Palliatives and Application Rates, from the Interim Policy on Dust Palliatives Use in Clark County, Nevada.

12-02 For non-traffic area applications use Table 2: Non-Traffic Area Application Requirements, Appropriate Use of Liquid Dust Palliatives and Application Rates, from the Interim Policy on Dust Palliatives Use in Clark County, Nevada.

Best Management Practices (BMPs) & Control Measures

BMP 13

IMPORTING/EXPORTING MATERIALS

Definition: Importing or exporting of soil, aggregate, decorative rock, debris, Type II and other bulk material.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible dust opacity from vehicular operations.

13-01 Apply water and limit vehicle speeds to 15 mph on the work site.

13-02 Apply and maintain dust suppressant on haul routes.

Requirement: Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage.

Requirement: Maintain 3-6 inches of freeboard to minimize spillage.

Requirement: Stabilize materials during transport on site.

13-03 Use tarps or other suitable enclosures on haul trucks.

13-04 Stabilize materials with water.

Requirement: Clean wheels and undercarriage of haul trucks prior to leaving construction site.

Best Management Practices (BMPs) & Control Measures

BMP 14

LANDSCAPING

Definition: Installation of sod, decorative rock, desert or other landscape material.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize soils, materials and slopes during handling.

- 14-01 L & ML: Apply water prior to leveling or any other earth moving activity to keep the soil moist throughout the process.
- 14-02 MH: Apply a water and tackifier mixture prior to leveling or any other earth moving activity to keep the soil moist throughout the process.
- 14-03 H: Apply a water and surfactant mixture prior to leveling or any other earth moving activity to keep the soil moist throughout the process.

Requirement: Stabilize soils, materials and slopes at completion of activity.

- 14-04 Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slope.
- 14-05 Apply water and maintain sloping surfaces in a crusted condition.
- 14-06 Maintain effective cover over materials.

Best Management Practices (BMPs) & Control Measures

BMP 15

PAVING/SUBGRADE PREPARATION

Definition: Subgrade preparation for paving streets, parking lots, etc.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize soils prior to activities.

15-01 Pre-water subgrade surface until optimum moisture content is reached and maintained.

Requirement: Stabilize soils during activities.

15-02 Maintain at least 70% of optimum moisture content for Type II material while aggregate is being applied.

Requirement: Stabilize soils following activities.

15-03 Place tack coat on Type II aggregate base immediately after it is applied.

15-04 Apply water to Type II aggregate base immediately after it is applied.

Requirement: Stabilize adjacent disturbed soils following paving activities.

15-05 Stabilize adjacent disturbed soils following paving activities by crusting with water.

15-06 Stabilize adjacent disturbed soils following paving activities by applying a dust palliative.

15-07 Stabilize adjacent disturbed soils following paving activities with immediate landscaping activity or installation of vegetative or rock cover.

15-08 There are no soils adjacent to paving activities.

Best Management Practices (BMPs) & Control Measures

BMP 16

SAWING/CUTTING MATERIAL

Definition: Sawing or cutting materials such as concrete, asphalt, block or pipe.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible emissions to no more than an average of 20% opacity, pursuant to Air Quality Regulations.

16-01 Use water to control dust when cutting materials.

16-02 Use a vacuum to collect dust when cutting materials.

Best Management Practices (BMPs) & Control Measures

BMP 17

SCREENING

Definition: Screening of rock, soil or construction debris.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: If using a powered screen, obtain the appropriate Operating Permit for powered screens prior to engaging in screening activity. Comply with permit conditions.

Requirement: Drop material through the screen slowly and minimize drop height.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

17-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

17-02 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Pre-treat material prior to screening.

17-03 Apply sufficient water to obtain at least 70% optimum moisture in material prior to screening.

17-04 Apply a dust suppressant to material prior to screening.

Requirement: Stabilize material during screening.

17-05 Dedicate water truck or large hose to screening operation and apply water as needed to prevent dust.

17-06 Apply water to material as it is being dropped through the screen.

17-07 Install wind barrier upwind of screen as high as the screen drop point and made of material with a porosity of 50% or less.

Requirement: Stabilize material and surrounding area immediately after screening.

17-08 Apply water to stabilize screened material and surrounding area after screening.

17-09 Apply and maintain a dust palliative to stabilize screened material and surrounding area after screening.

Best Management Practices (BMPs) & Control Measures

BMP 18

STAGING AREAS

Definition: Staging areas, equipment storage, vehicle parking lots, and material storage areas.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible dust opacity from vehicular operations.

- 18-01 Limit vehicle speeds to 15 mph in the staging area and on all unpaved access routes.
- 18-02 Apply and maintain dust suppressant on all vehicle traffic areas in the staging areas and unpaved access routes.

Requirement: Stabilize staging area soils during use.

- 18-03 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 18-04 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will be operated.

Requirement: Stabilize staging area soils at project completion.

- 18-05 Apply a dust palliative.
- 18-06 Apply screened or washed Type II aggregate.
- 18-07 Use wind breaks in accordance with a site-specific plan approved by the Control Officer and Region IX Administrator of the EPA.
- 18-08 Pave with thin paving.
- 18-09 Completed project will cover staging area with buildings, paving, and/or landscaping.
- 18-10 Apply water to form adequate crust and prevent access.

Best Management Practices (BMPs) & Control Measures

BMP 19

STOCKPILES

Definition: Stockpiling of materials, such as Type II, other soils, rock or debris, for future use or export.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: To the extent possible, maintain stockpile to avoid steep sides or faces.

Requirement: Stockpile location and height must be maintained pursuant to Air Quality Regulations. Stockpiles located within 100 yards of occupied buildings must not be constructed over 8 feet in height.

19-01 Stockpiles will not be constructed over 8 feet in height.

19-02 Stockpiles will be constructed over 8 feet high and must have a road bladed to the top to allow water truck access or must have a sprinkler irrigation system installed, used and maintained.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

19-03 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

19-04 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Stabilize stockpile materials during handling.

19-05 Maintain stockpile materials with at least 70% optimum moisture content.

19-06 Remove material from the downwind side of the stockpile, when safe to do so.

Requirement: Stabilize stockpile materials during handling based on the project soil type.

19-07 L & ML: Apply water during stacking, loading and unloading operations.

19-08 MH: Apply a water and tackifier mixture during stacking, loading and unloading operations.

19-09 H: Apply a water and surfactant mixture during stacking, loading and unloading operations.

Requirement: Stabilize stockpiles at completion of activity.

19-10 Water stockpiles to form a crust immediately at the completion of activity.

19-11 Apply and maintain a dust palliative to all outer surfaces of the stockpiles.

19-12 Provide and maintain wind barriers on 3 sides of the pile, whose length is no less than equal to the length of the pile, whose distance from the pile is no more than twice the height of the pile, whose height is equal to the pile height, and made of material with a porosity of 50% or less.

19-13 Apply a cover or screen to stockpiles.

Best Management Practices (BMPs) & Control Measures

BMP 20

TRACKOUT PREVENTION AND CLEANUP

Definition: Prevention and cleanup of mud, silt and soil tracked out onto paved roads.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: In soils that have a PEP classification of “High”, pave construction activities roadways as early as possible.

Requirement: Use of soil to create a ramp for vehicle access over a curb is prohibited.

Requirement: Trackout conditions, including preventive and corrective measures, must be recorded daily for every day that the construction project access is used by vehicles.

20-01 Record soil conditions and dust control actions in daily project records.

Requirement: Prevent dust from trackout.

20-02 Immediately clean trackout from paved surfaces to maintain dust control. Trackout must not extend 50 feet or more.

20-03 Maintain dust control during working hours and clean trackout from paved surfaces at the end of the work shift/day. Trackout must not extend 50 feet or more and must be cleaned daily, at minimum.

Requirement: Install and maintain trackout control devices in effective condition at all access points where paved and unpaved access or travel routes intersect.

20-04 Install gravel pad(s) consisting of 1” to 3” rough diameter, clean, wellgraded gravel or crushed rock. Minimum dimensions must be 30 feet wide by 3 inches deep, and, at minimum, 50’ or the length of the longest haul truck, whichever is greater. Re-screen, wash or apply additional rock in gravel pad to maintain effectiveness.

20-05 Install wheel shakers. Clean wheel shakers on a regular basis to maintain effectiveness.

20-06 Install wheel washers. Maintain wheel washers on a regular basis to maintain effectiveness.

20-07 Install wheel shakers in the event that trackout cannot be controlled with gravel pads.

20-08 Install wheel washer in the event that trackout cannot be controlled with gravel pads and wheel shakers.

20-09 Motorized vehicles will only operate on paved surfaces.

Requirement: All exiting traffic must be routed over selected trackout control device(s).

20-10 Clearly establish and enforce traffic patterns to route traffic over selected trackout control device(s).

20-11 Limit site accessibility to routes with trackout control devices in place by installing effective barriers on unprotected routes.

Best Management Practices (BMPs) & Control Measures

BMP 21

TRAFFIC - UNPAVED ROUTES AND PARKING

Definition: Construction related traffic on unpaved interior and/or access roads and unpaved employee/worker parking areas.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible dust opacity from vehicular operations.

21-01 Limit vehicle speeds to 15 mph on all unpaved routes and parking areas.

21-02 Apply and maintain dust palliative on all vehicle travel areas.

Requirement: Stabilize all haul routes.

21-03 Apply water to haul routes and maintain in a stabilized condition.

21-04 Apply a dust palliative to haul routes and maintain in a stabilized condition.

21-05 Apply gravel to haul routes and maintain in a stabilized condition.

21-06 Supplement dust palliative or aggregate applications with watering, if necessary.

Requirement: Stabilize all off-road and parking areas.

21-07 Apply water to off-road traffic and parking areas and maintain in a stabilized condition.

21-08 Apply gravel to off-road traffic and parking areas and maintain in a stabilized condition.

21-09 Apply recycled asphalt (or other suitable material) to off-road traffic and parking areas and maintain in a stabilized condition.

21-10 Apply and maintain a dust palliative (designed for vehicle traffic) to off-road traffic and parking areas and maintain in a stabilized condition.

Best Management Practices (BMPs) & Control Measures

BMP 22

TRENCHING

Definition: Trenching with track or wheel mounted excavator, shovel, backhoe or trencher.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize surface soils where trenching equipment, support equipment and vehicles will operate.

22-01 Pre-water and maintain surface soils in a stabilized condition where trenching equipment, support equipment and vehicles will operate.

22-02 Apply and maintain a dust palliative to surface soils where trenching equipment, support equipment and vehicles will operate.

Requirement: Presoak soils prior to trenching activities based on the project soil type.

22-03 Pre-water surface, pre-trench to 18" depth, soak soils via pre-trench prior to deep trenching.

22-04 L & ML: Presoak soil with water using sprinklers or wobblers.

22-05 L & ML: Presoak with water, using water truck and/or water pull.

22-06 MH: Presoak soil with a water and tackifier mixture using water pulls and/or water trucks.

22-07 MH: Presoak soil with a water and tackifier mixture using sprinklers or wobblers.

22-08 H: Presoak soil with a water and surfactant mixture using water pulls and/or water trucks.

22-09 H: Presoak soil with a water and surfactant mixture using sprinklers or wobblers.

Requirement: Stabilize soil during trenching activities based on the project soil type.

22-10 L & ML: Complete trenching with a dedicated water truck or large hose maintaining water as needed to prevent dust.

22-11 L & ML: Use spray nozzles mounted on trenching machine.

22-12 MH: Complete trenching with a dedicated water truck or large hose maintaining a water and tackifier mixture as needed to prevent dust.

22-13 H: Complete trenching with a dedicated water truck or large hose maintaining a water and surfactant mixture as needed to prevent dust.

Requirement: Stabilize soils at the completion of trenching activities.

22-14 Use water to form crust on excavated soil windrow as it is formed.

22-15 Use dust palliative to form crust on excavated soil windrow as it is formed.

Best Management Practices (BMPs) & Control Measures

BMP 23

TRUCK LOADING

Definition: Loading trucks with materials including construction and demolition debris, rock and soil.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Ensure all loads are covered prior to leaving the construction site and traveling on public roadways.

Requirement: Stabilize surface soils where loaders, support equipment and vehicles will operate.

23-01 Pre-water and maintain surface soils in a stabilized condition where loaders, support equipment and vehicles will operate.

23-02 Apply and maintain a dust palliative on surface soils where loaders, support equipment and vehicles will operate.

Requirement: Stabilize material during loading.

23-03 Empty loader bucket slowly and keep loader bucket close to the truck to minimize the drop height while dumping.

Requirement: Stabilize material during loading based on the project soil type.

23-04 L & ML: Mix material with water prior to loading.

23-05 L & ML: Spray material with water while loading.

23-06 MH: Mix material with a water and tackifier mixture prior to loading.

23-07 MH: Spray material with a water and tackifier mixture while loading.

23-08 H: Mix material with a water and surfactant mixture prior to loading.

23-09 H: Spray material with a water and surfactant mixture while loading.

SUMMERLIN WEST VILLAGE 25
IMPROVEMENT PLANS FOR:
HIGH SCHOOL STAGING STOCKPILE
APN 137-22-301-006
APN 137-15-801-002



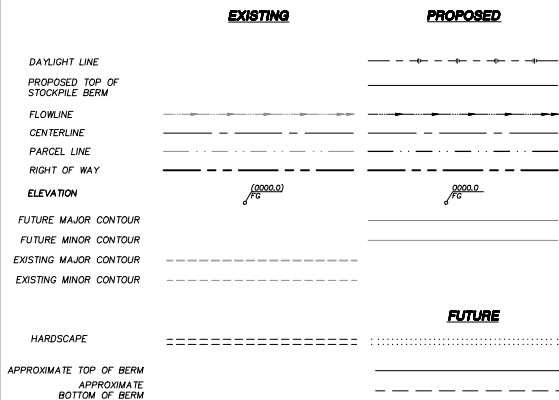
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FI	FINISHED FLOOR ELEVATION
PH	FIRE HYDRANT
FL	FLOW LINE
FO	FIBER OPTIC
FT	FOOT OR FEET
G	GAS LINE
GALV	GALVANIZED
GB	GRADE BREAK
GL	GRATE LENGTH
QM	GAS METER
GUT	GUTTER
GV	GATE VALVE
H	HEIGHT
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HDWL	HEADWALL ELLIPTICAL
HE	HORIZONTAL
HGL	HYDRAULIC GRADE LINE
HQA	HOMEOWNER'S ASSOCIATION
HOR	HORIZONTAL
HP	HIGH POINT
ID	INSIDE DIAMETER
IN	INCH(ES)
INT	INTERSECTION
INV	INVERT
IQAC	INTERAGENCY QUALITY ASSURANCE COMMITTEE
IRR	IRRIGATION
ISL	ISLAND
JB	JUNCTION BOX
JCT	JUNCTION
JT	JOINT
K	VERTICAL CURVE K VALUE
L	LENGTH
LB	POUND(S)
LF	LINEAR FEET
LIN	LINEAR
LIN #	COWRD MANHOLE NUMBER
LOC	LENGTH OF CURVE
LCL	LAYOUT LINE
LP	LOW POINT
LS	LANDSCAPE
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
LWVD	LAS VEGAS VALLEY WATER DISTRICT
MAS	MASONRY
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MON	MONUMENT, MONUMENT
MTL	MATERIAL
ME	MATCH EXISTING
MUE	MUNICIPAL UTILITY EASEMENT
N	NORTH
NAP	NOT A PART
NDOT	NEVADA DEPARTMENT OF TRANSPORTATION
NE	NEAR
NG	NUMBER OF GRATES, NATURAL GRADE
NC	NOT IN CONTRACT
No.	NUMBER
NTS	NOT TO SCALE
NVE	NV ENERGY
OC	ON CENTER
OD	OUTSIDE DIAMETER
OG	OPEN GRADE
OH	OVERHEAD
OHP	OVERHEAD POWER
OS	OFFSET
P	POWER
PB	PULL BOX
PBS	PLANTWAX BITUMINOUS SURFACE
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PG	PROPOSED GRADE
PGL	PROFILE GRADE LINE
PH	POT HOLE
PI	POINT OF INTERSECTION
PIP	PROTECT IN PLACE
PL	PROPERTY LINE
PLCS	PLACES
PMF	PAVEMENT MARKING FILM
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PT	POINT, POINT OF TANGENCY

PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
QTY	QUANTITY
(R)	RADIAL
R/W,ROW	RIGHT OF WAY
R	RADIUS
RC	REINFORCED CONCRETE
RCB	REINFORCED CONCRETE BOX
RCC	ROLLER COMPACTED CONCRETE
ROP	REINFORCED CONCRETE PIPE
RO	ROAD
REINF	REINFORCED OR REINFORCEMENT
RELLOC	RELOCATE
REV	REVISION
RC	ROUGH GRADE
RP	RADIUS POINT
RPM	RAISED PAVEMENT MARKER
RR	RAILROAD
RT	RIGHT
SCHED	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FOOT/SQUARE FEET
SHLD	SHOULDER
SHT	SHEET
SHP	STEEL HIGH PRESSURE PIPE
SMFO	SINGLE MODE FIBER OPTIC
SNWA	SOUTHERN NEVADA WATER AUTHORITY
SS	SEWER
SS	SANITARY SEWER OR SIDE SLOPE
SSD	SUMMERLIN STANDARD DRAWING
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STLT	STREETLIGHT
SDHW	STORM DRAIN HEADWALL
STRUCT	STRUCTURAL OR STRUCTURE
SUM #	CWDR MANHOLE NUMBER
SURV	SURVEY
SVZ	SIGHT VISIBILITY ZONE
SW	SIDEWALK
SY	SQUARE YARD
T	TELEPHONE LINE
TAN	TANGENT
TB	TOP OF BOX
TBA	TO BE ADJUSTED
TBC	TOP OF BACK OF CURB
TBR	TO BE REMOVED
TD	TOP OF CURB
TCO	TRAC CONTROL DEVICE
SDS	TECHNICAL DRAINAGE STUDY
TEL	TELEPHONE
TEMP	TEMPORARY
TF	TOP OF FOOTING
THK	THICK
THR	THRUST
THW	TOP OF HEADWALL
TOF	TOP OF FACE
TP/TOW	TOP OF WALL
TP	TOP OF PIPE
TRANS	TRANSITION
TS	TRAFFIC SIGNAL
TSI	TRAFFIC SIGNAL INTERCONNECT
TW	TOP OF WALL
TP	TYPICAL
UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS
UG	UNDERGROUND
UGP	UNDERGROUND POWER
UE	UPPER INVERT ELEVATION
UNO	UNLESS NOTED OTHERWISE
UPRR	UNION PACIFIC RAILROAD
USD	UNIFORM STANDARD DRAWING
UTACS	UTLTIARY ASPHALT CONCRETE SURFACE
USTODE	UTILITY, STREETLIGHT, TRAFFIC CONTROL DEVICE EASEMENT
V	VOLT
VAR	VARIABLE
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VG	VALLEY GUTTER
W	WEST, WATER

W/	WITH
WB	WEST BOUND
WL	WATER LINE
WM	WATER METER
W/O	WITHOUT
WPJ	WEAKENED PLANE JOINT
WV	WATER VALVE
WW	WING WALL
YD	YARD(S)



SPECIAL NOTE

IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED WHICH IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CLARK COUNTY DEPT. OF PUBLIC WORKS. TEMPORARY CONSTRUCTION ITEMS INCLUDE: PAVEMENT TRANSITIONS, PROTECTIVE DITCHES AND BERMS, ROAD SIGNS AND BARRICADES, ETC.

NOTE TO CONTRACTOR

- QUANTITIES SHOWN ARE ESTIMATES ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



SUMMERLIN WEST VILLAGE 25 HIGH SCHOOL STAGING STOCKPILE		ATKINS 2970 Compton Circle, Suite 200 Houston, Texas 77074 Telephone: +1(713)263-7275 Fax: +1(713)263-7200	
SUMMERLIN® 		LEGENDS AND ABBREVIATIONS	
DRAWN BY: J.L. TORRELLA DATE: MARCH, 2021 CHECKED BY: JALAJARA DATE: MARCH, 2021 DRAWING NO.: RE: BARCOS NORZ:		2 / 10 VERT:	

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1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR MATERIALS AND METHODS OF CONSTRUCTION" (UNIFORM STANDARD SPECIFICATIONS) AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA". LATEST REVISION EDITION: THE "UNIFORM IMPROVEMENT STANDARDS" FOR WORK IN THE "SUNDEWATER AREA AND OTHER APPLICABLE AREAS OF THE CLARK COUNTY AREA NEVADA". ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACT UTILITIES SHALL BE LOCATED BY WORK CLIP PLANS LIBRARY ARE APPROPRIATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS BY THE CITY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES. IF THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCE SITES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE CONTRACTOR SHALL AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND EQUIPMENT FROM DAMAGE CAUSED BY THE CONTRACTOR'S UTILITIES. THE CONTRACTOR SHALL IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES.
4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS. ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE "C"EMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY CODES AND ORDINANCES APPLICABLE.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXISTING JOINTS REPAIRED, MAXIMUM 1/8" DEPTH IN EXISTED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-1/2" INCH (3/8") ABOVE PL OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED WITH NEW CURB AND GUTTER.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE SMOOTH TRANSITIONS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE (COMPANY, REPORT #, DATE)
13. EXIST. LOCATION OF ALL SWGUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES REPAIR.
14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH THE CITY CODES AND ORDINANCES APPLICABLE.
15. UTILITY COMPANY FETER BOXES, MANHOLE ULDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY.

ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVEALING GRADING, EROSION CONTROL, AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER OR LOCATOR CABLES, CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OPERATE INSPECTION AND TESTING AND CERTIFY THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION AND THAT THE INSTALLATION MEETS ALL CITY REQUIREMENTS.

21. SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S) SHALL BE PROVIDED TO THE CITY AND APPROVED PRIOR TO ACCEPTANCE OF FACILITY UNDER INSPECTION. THE MAP(S) SHALL INCLUDE THE HORIZONTAL AND VERTICAL LOCATION OF THE FACILITY OR PUBLIC UTILITY, THE LOCATION OF ALL EXISTING AND PROPOSED STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO THE STORM DRAIN MAIN LATERAL, THE LOCATION OF ALL EXISTING AND PROPOSED SANITARY SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING THE LOCATION OF ALL EXISTING AND PROPOSED SANITARY SEWER SERVICE LATERALS ENTERING THE PUBLIC RIGHT-OF-WAY, OFFICIAL HORIZONTAL AND VERTICAL CONTROL NETWORKS OF THE CITY OF LAS VEGAS, FINAL LOCATION MAP(S) SHALL BE PROVIDED AND CERTIFIED BY A LICENSED SURVEYOR. THE LOCATION MAP(S) SHALL BE PROVIDED IN 1"=50' (OR 1"=60' IF THE CITY OF LAS VEGAS) HORIZONTALLY AND VERTICALLY. A SEPARATE ELECTRONIC COMMA DELIMITED FILE FOR THE SANITARY SEWER AND STORM DRAIN COORDINATES SHALL ALSO ACCOMPANY THE SANITARY SEWER AND STORM DRAIN FINAL LOCATION MAP(S).

22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION.

23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED 06/04/2016

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADINGS AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION, ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY EXCESS MATERIAL REMOVED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.

[illegible]

4. THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS SHALL EACH DAY REMOVE ALL DEBRIS AND MATERIALS ACCUMULATED ON OR NEAR THE DISTURBED AREAS OF THE PROJECT, OR ACCUMULATED IN THE PUBLIC RIGHTS OF WAY OF CLARK COUNTY AS A RESULT OF CONSTRUCTION ACTIVITIES. THE DEBRIS AND MATERIALS SHALL BE REMOVED TO AN APPROPRIATE CONSTRUCTION PROJECT. SUCH MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWER SYSTEM.
5. ADDITIONAL CONSTRUCTION SITE DISCOURSE BEST MANAGEMENT PRACTICES MAY BE REQUIRED OF THE OWNER AND CONTRACTOR TO PREVENT POLLUTION FROM CONSTRUCTION ACTIVITIES. THE BEST MANAGEMENT PRACTICES SHALL MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, EDITION 2004, AND THE LAS VEGAS VALLEY WATER REUSE AGENCY'S CONSTRUCTION BEST MANAGEMENT PRACTICES.
6. TEMPORARY OR PERMANENT STABILIZATION PRACTICES WILL BE INSTALLED ON DISTURBED AREAS AS SOON AS PRACTICABLE AND NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE IS COMPLETED. THE PRACTICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LAS VEGAS VALLEY WATER REUSE AGENCY'S PERMIT FOR CONSTRUCTION ACTIVITY NVR000000, SECTION III.A.5.
7. AT A MINIMUM, THE CONTRACTOR OR HIS AGENT SHALL INSPECT ALL DISTURBED AREAS, AREAS USED FOR STORAGE OF MATERIALS, AND AREAS USED FOR CONSTRUCTION ACTIVITIES, INCLUDING BUT NOT LIMITED TO, ALL EROSION CONTROL LOCATIONS, AND ALL BMPs DAILY, AND WITHIN 24 HOURS AFTER ANY RAIN EVENT OF 0.3 INCHES OR MORE. THE CONTRACTOR OR HIS AGENT SHALL UPDATE OF THE STORMWATER POLLUTION PREVENTION PLAN AS NECESSARY. SOME EXPOSURE TO SEDIMENT MAY BE OBSERVED DURING CONSTRUCTION. ANY OBSERVATION OF SEDIMENT DISCHARGE, REFER TO THE NEVADA STORMWATER GENERAL PERMIT FOR CONSTRUCTION ACTIVITY.
8. ACCUMULATED SEDIMENT IN BMPs SHALL BE REMOVED WITHIN SEVEN DAYS AFTER A STORMWATER RUNOFF EVENT OR PRIOR TO THE NEXT ANTICIPATED STORM EVENT, WHICHEVER IS EARLIER. SEDIMENT MUST BE REMOVED WHEN

2. INDICATED GRADES OTHER THAN TO, FC & GUTTER FLIN ARE ROUGH GRADES.
3. THE ROUGH GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES. THE ROUGH GRADING SHALL BE FINISHED TO THE FINISHED GRADES SHOWN ON THE PLANS. THE FINISHED GRADES SHOWN ON THE PLANS ARE BASED ON THE ELEVATION AND DETAILS SHOWN ON THE PLANS. ANY DEVIATION FROM THE PLAN WILL RESULT IN QUANTITY CHANGES.
4. SOLS REPORT PREPARED BY: NOVA GEOTECHNICAL & INSPECTION SERVICES 4480 W. HACIENDA AVENUE, SUITE 104, LAS VEGAS, NV 89118, PHONE: 702-873-3478, PROJECT NO. : G-19-026, DATED: JUNE 18, 2020.
5. EARTHWORK QUANTITIES (PAGES)
 - CUT = 4,600 CUBIC YARDS
 - FILL = 439,600 CUBIC YARDS
 - NET FILL = 435,000 CUBIC YARDS
6. THE ABOVE QUANTITIES DO NOT REFLECT LOSSES DUE TO SUBSIDENCE OR SHRINKAGE.
7. THE ABOVE QUANTITIES DO REFLECT USING NATIVE MATERIAL IN LIEU OF TYPE 1 GRAVEL BASE MATERIAL FOR THE CUT SECTION.
8. THE ABOVE QUANTITIES DO NOT REFLECT ANY EARTHWORK WHICH MAY BE REQUIRED BY THE ENGINEER TO PROTECT EXISTING UTILITIES.

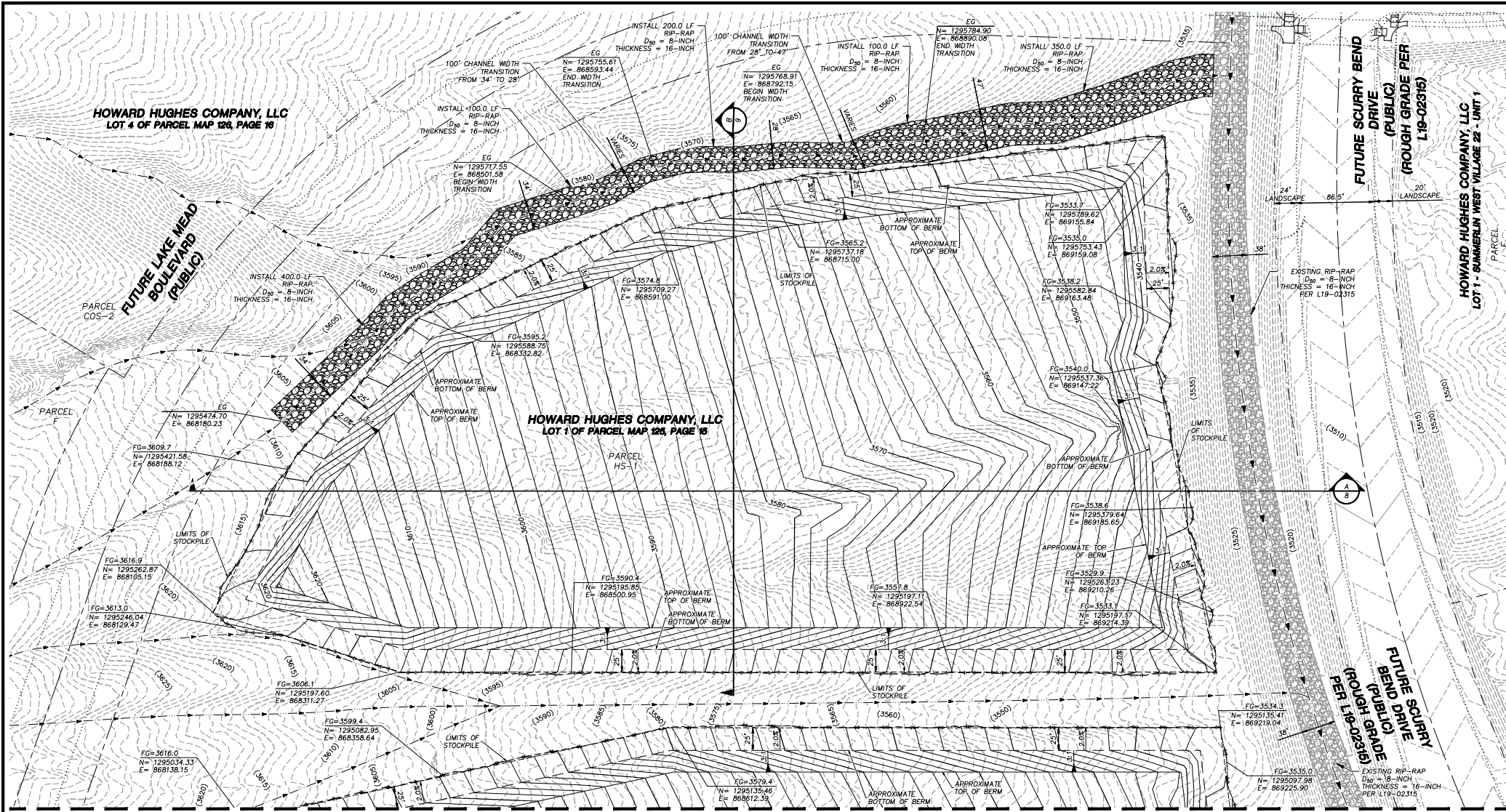
1. MAXIMUM ALLOWED TIME FOR STORAGE IS TWELVE (12) MONTHS.

THE FOLLOWING EXISTING & FUTURE VILLAGE 25/VILLAGE 27 ROADWAY IMPROVEMENTS PLANS ARE TO BE USED FOR THE CONSTRUCTION OF THIS STOCKPILE.

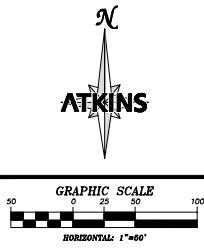
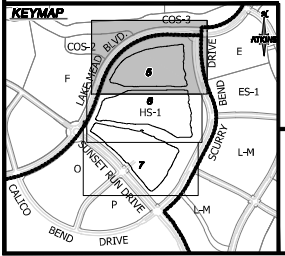
1. SCURRY BEND DRIVE: SUNSET RUN DRIVE TO LAKE MEAD BOULEVARD.
2. SUNSET RUN DRIVE: SCURRY BEND DRIVE TO LAKE MEAD BOULEVARD.
3. LAKE MEAD BOULEVARD: SCURRY BEND DRIVE TO SUNSET RUN DRIVE.



DESIGNED BY: J. TORRELLA DRAWING NO. 100072727		SUMMERLIN WEST VILLAGE #5 HIGH SCHOOL STAGING STOCKPILE		ATKINS 2270 Corporate Circle, Suite 200 Henderson, Nevada, 89074 Telephone: +1/702/263.7275 Fax: +1/702/263.7200	REV.	DESCRIPTION	BY	DATE	APPROVAL		
DATE: MARCH, 2021											
DRAWING NO.:											
VERT.:											
CHECKED BY: N. BARGOS		GENERAL NOTES									
3 / 10											



SEE SHEET 6 FOR CONTINUATION



GRADING PLAN CERTIFICATION
NICOLAS BARCOS PE#25673 DATE _____
CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY FOR THIS SITE ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

BASIS OF BEARING
GRID NORTH AS DEFINED BY THE CENTRAL MERIDIAN OF THE NEVADA COORDINATE REFERENCE SYSTEM (NORS), LAS VEGAS HIGH ELEVATION ZONE, NORTH AMERICAN DATUM OF 1983; SAID MERIDIAN BEING COINCIDENT WITH 114°50' WEST OF THE GREENWICH MERIDIAN.

BENCHMARK
CITY OF LAS VEGAS BENCHMARK: 0368 (REVISED 2008)
NAVD83 ELEVATION: 989.574 METERS (3246.63 FEET)
FIND USCAROS DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD. & WEST OF DETENTION BASIN.
7215,PS9M,503

Underground
1-702-432-6300

Call 811
1-800-442-3444

1-702-227-2820

NOTE
STOCKPILE TO COMPLY WITH THE APPROVED DUST MITIGATION PLAN # 52799

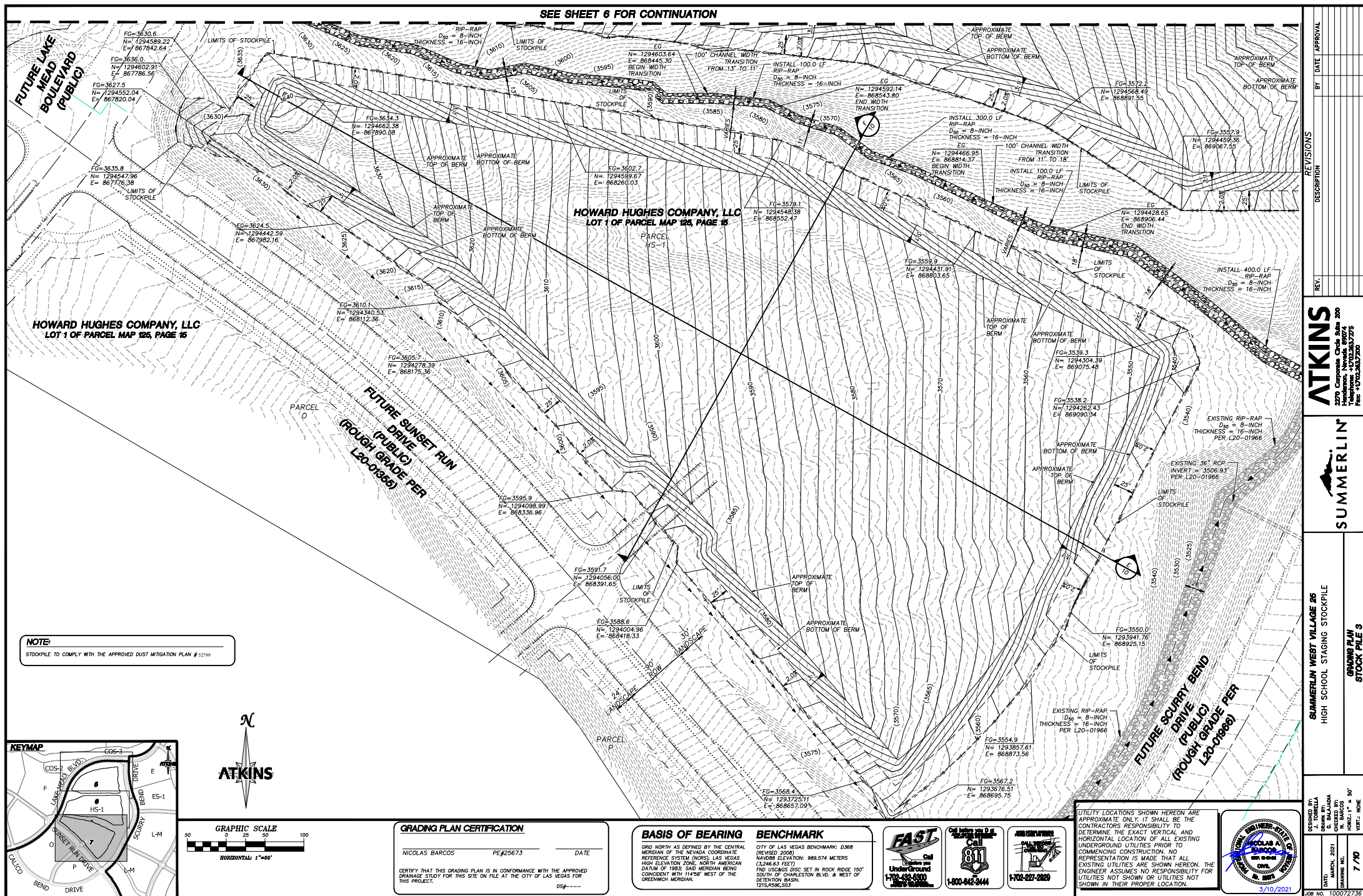
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

ATKINS		SUMMERLIN	
2270 Corporate Circle Suite 200 Henderson, Nevada 89074 Phone: 702.253.7200		SUMMERLIN WEST VILLAGE 26 HIGH SCHOOL STAGING STOCKPILE DRAWING FILE # STOCKPILE PLAN 1	
DESIGNED BY: J. TORELLA	CHECKED BY: G. BALAJADA	DATE: MARCH, 2021	DATE: MARCH, 2021
BY DATE APPROVAL		REV. DESCRIPTION	
		1 3/10/2021	

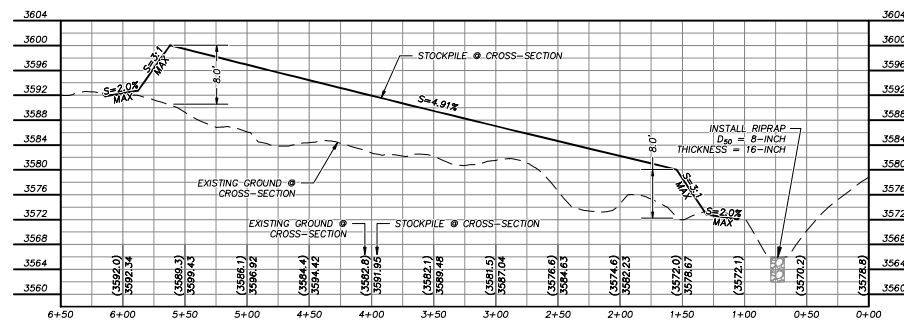
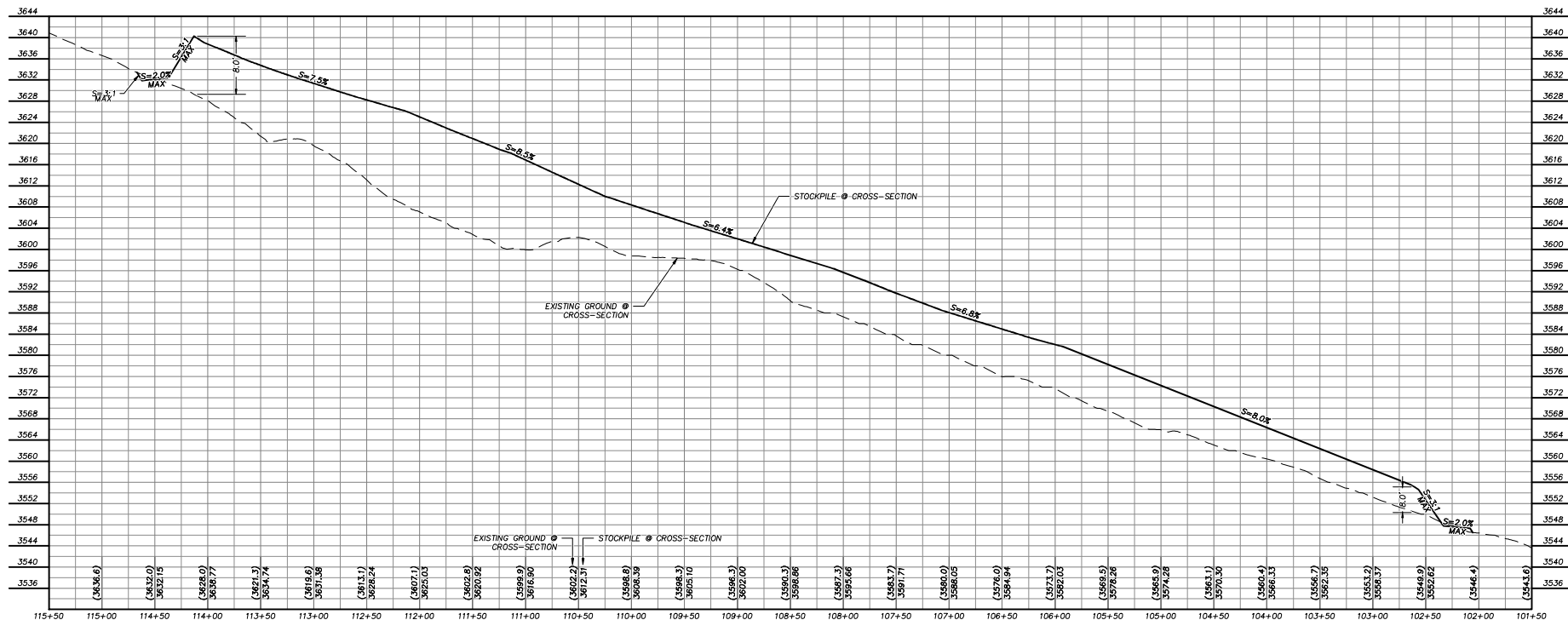
SEE SHEET 7 FOR CONTINUATION



DESIGNED BY: J. TORRELLA		SUMMERLIN WEST VILLAGE #5 HIGH SCHOOL STAGING STOCKPILE  SUMMERLIN® 2270 Corporate Circle Suite 200 Henderson, Nevada 89074 Telephone +1(702)263-7275 Fax +1(702)263-7200	ATKINS	REV.		DESCRIPTION		REVISIONS		
DATE:										
MARCH, 2021										
DRAWING NO.										
CHECKED BY:										
N. BARCOS										
HORIZ. 1" = 50'		GRADING PLAN STOCK PILE 2								
VERT. NONE										
6"/D										
JOB NO.	1000272736									



JOE NO.		DESIGNED BY: J. TORRELLA C.E., INDIANAPOLIS	SUMMERLIN WEST VILLAGE 25 HIGH SCHOOL STAGING STOCKPILE	SUMMERLIN® 	ATKINS 2270 Corporate Circle Suite 200 Henderson, Nevada 89074 Telephone: +1-702-263-7275 Fax: +1-702-263-7200	REV.	DESCRIPTION	BY	DATE	APPROVAL
DATE:	MARCH, 2021	CHECKED BY: N. BURGOS								
DRAWING NO.		HORIZ.: 1" = 50'								
	7 / 10	VERT.: NONE								



NOTE: