### **CITY OF ALBUQUERQUE**



Richard J. Berry, Mayor

August 20, 2016

Yolanda Padilla Moyer, P.E. Bohannan Huston 7601 Jefferson NE, Suite 100 Albuquerque, NM, 87109

#### RE: Del Webb @ Mirehaven Phase 2 Grading & Drainage Plan Revision Stamp Date 3-11-16 / Hydrology File: H09D017F

Dear Ms. Padilla-Moyer:

Based upon the information provided in your submittal received 8-05-2016, the abovereferenced is re-approved for ESC Grading Permit. We understand that the abovereferenced Plan includes minor changes to the way that Lots 58-67 drain within Phase 2A.

Engineer's Certification will be required prior to Pad Certification/Release of Financial Guarantee per the DPM Checklist.

An approved ESC Grading Permit is required prior to any grading on the site. A Floodzone Permit will be required for the Grading Permit, since the Mirehaven Arroyo A Zone is still mapped and appears to encroach into small portions of the site.

New Mexico 87103

If you have any questions, you can contact me at 924-3986.

www.cabq.gov

PO Box 1293

Albuquerque

Sincerely,

Abiel Carrillo, P.E. Principal Engineer, Planning Dept. Development Review Services

Orig: Drainage file

# Bohannan 🛦 Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

www.bhinc.com voice: 505.823.1000 facsimile: 505.798.7988 toll free: 800.877.5332

### CLIENT/COURIER TRANSMITTAL

To: Shahab Biazar Abiel Carrillo City of Albuquerque Plaza del Sol 600 2 <sup>nd</sup> Street NW Albuquerque, NM 87102 Phone: (505) 924-3993		Requested by:	Yolanda Padilla Moyer / jcm						
		Date:	August 5, 2016						
		Time Due:	<ul> <li>This A.M.</li> <li>This P.M.</li> <li>Rush</li> <li>By Tomorrow</li> </ul>						
		Job Name:							
Job No.: 20160158 DELIVERY VIA		] [	Del Webb, Phase 2A <u><b>K UP</b></u>						
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🗌 Mail 🗌 UPS									
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ITEM NO.	<u>QUANTITY</u>	DESCRIPTION
1	1	Drainage & Transporation Information Sheet
2	1	Del Webb, Ph2A Approved Basin Map
3	1	Del Webb, Ph2A Revised Basin Map
4	1	Del Webb, Ph2A Revised Grading & Drainage Plan

#### **COMMENTS / INSTRUCTIONS**

ME:\_\_\_\_\_

## Bohannan 🛦 Huston

August 5, 2016

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Mr. Shahab Biazar, P.E. - City Engineer Abiel Carrillo, P.E. – City Hydrologist City of Albuquerque 600 2<sup>nd</sup> Street NW Albuquerque, NM 87102

Re: Revised Grading and Drainage Plan, Del Webb @ Mirehaven, Phase 2A DRB Case No. 1006864

Dear Shahab\ Abiel:

Please find enclosed a revision to the approved grading and drainage plan for Phase 2A of the above referenced project.

The revision consists of Lots 58-67 draining to the front of the lot into Woods Wash Trail, whereas the approved grading and drainage plan showed the lots draining back the open space area. As you are probably aware, these lots previously drained to the front and during the Grading and Drainage review process we revised these same lots to drain toward the back. In that original change, the initial calculations inadvertently did not get updated to account for the lots draining back. The calculations were checked and verified that the proposed infrastructure was not impacted however the calculations from the initial design were not updated as mentioned. We notice this when we were going to update the necessary calculation for this new change. In the end the drainage, regardless if these pad drain forward of back, ultimately drain via the same roads and collected by the same inlets and storm drain. The original roadway, inlet and storm drain calculation remain true in the approved Grading and Drainage report. We have provided an updated Basin Map which delineates the boundaries.

Please find enclosed the revised grading plan and revised basin map. We are requesting your review and approval. I appreciate your time and consideration. If you have questions or require additional information, please contact me at 823-1000.

Sincerely,

Vallagor

Yolanda Padilla Moyer, P.E. Senior Project Manager Community Development & Planning

Enclosure

cc: Kevin Patton, Pulte Homes

- Engineering **A**
- Spatial Data 🔺
- Advanced Technologies **A**



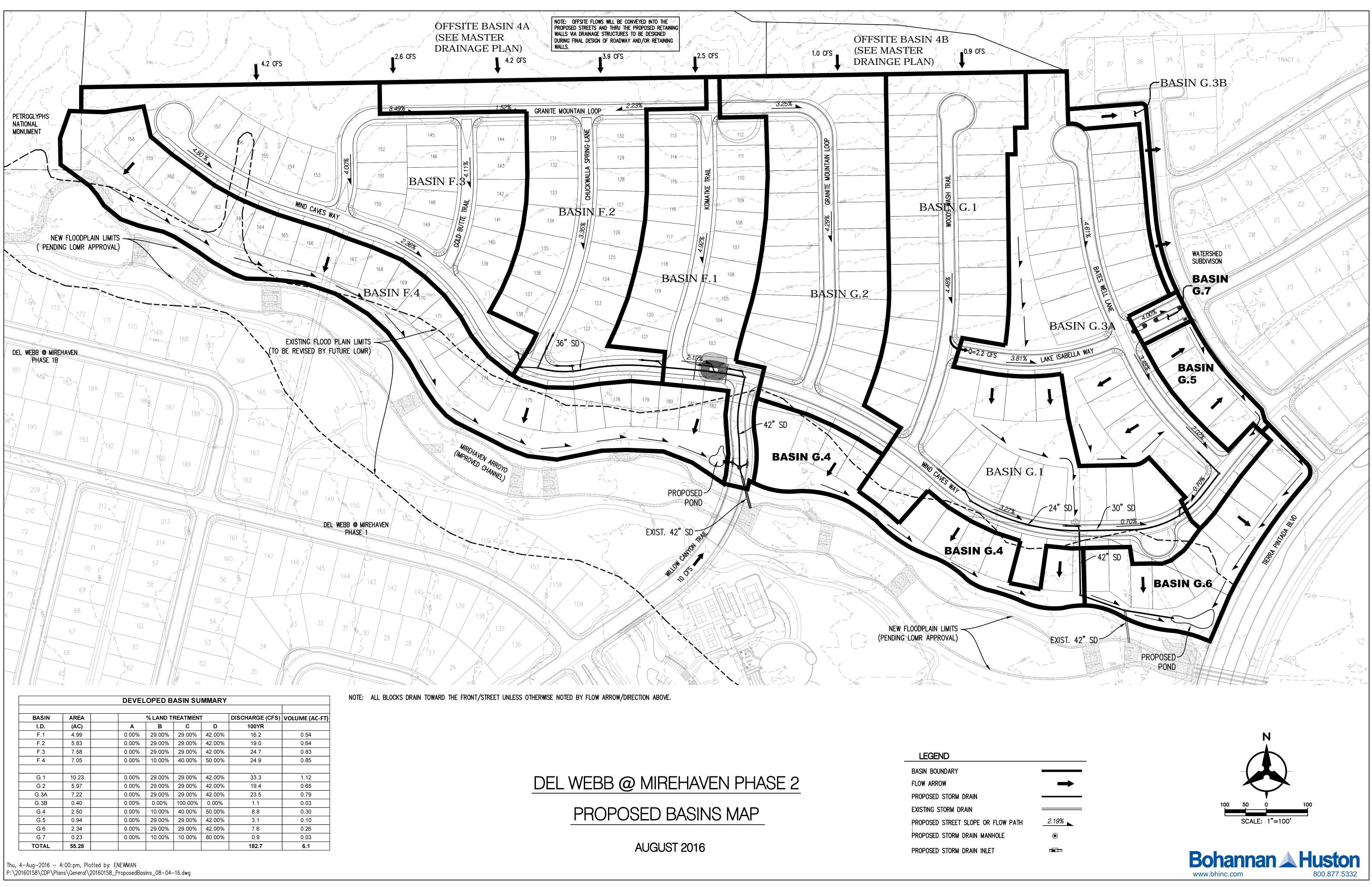
### City of Albuquerque

Planning Department Development & Building Services Division

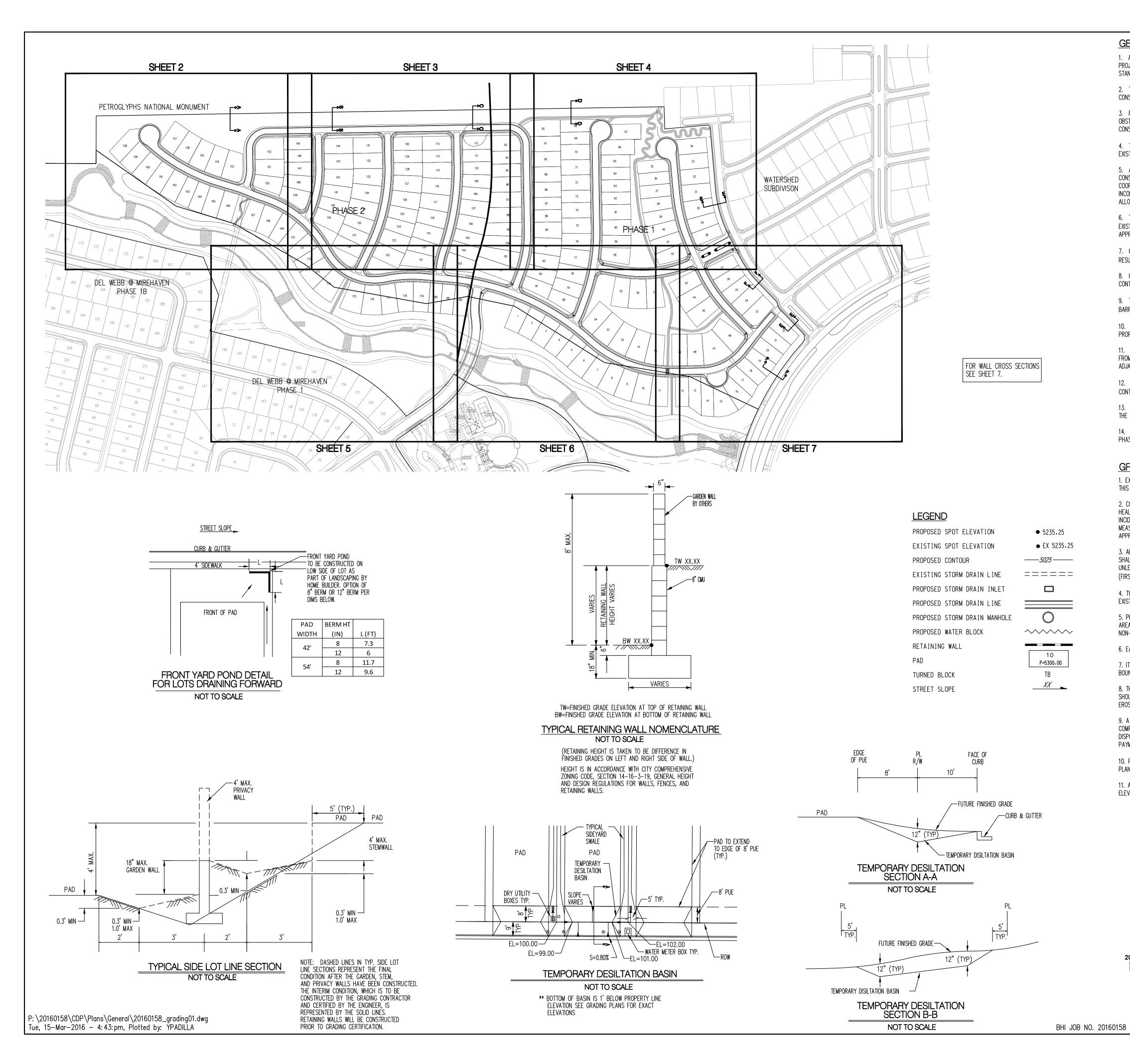
DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

City Address:	tion: DEL WEBB @ MIREHAVEN PHASE 2A (A	REPLAT OF TRACT N-2-A-1 & TRACT M OF	Work Order#: 650388						
City Address:		REPLAT OF TRACT N-2-A-1 & TRACT M OF							
Engineering			WATERSHED)						
	Firm: BOHANNAN HUSTON INC		Contact: Yolanda Moyer						
	00 JEFFERSON ST NE COURTYARD 1 ALBUQUI								
Phone#: 823-			E-mail: ypadilla@bhinc.com						
			Contact: KEVIN PATTON						
	01 JEFFERSON STREET NE SUITE 310 ALBUQ.								
Phone#: 505-	341-8591 Fax#:		E-mail: kevin.patton@pultegroup.com						
Architect:			Contact:						
Address:									
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EROSION & SEDIMENT CONTROL PLAN (ESC)		CLOMR/LOMI							
x OTHER (SPECIFY) Revision to existing approved plan		PRE-DESIGN M	TEETING						
			CIFY)						
S THIS A RE	SUBMITTAL?: <u>×</u> Yes No								
)ATE SUBM	ITTED: 08-05-16	By: YOLANDA PADILLA MOYER, P.E.							

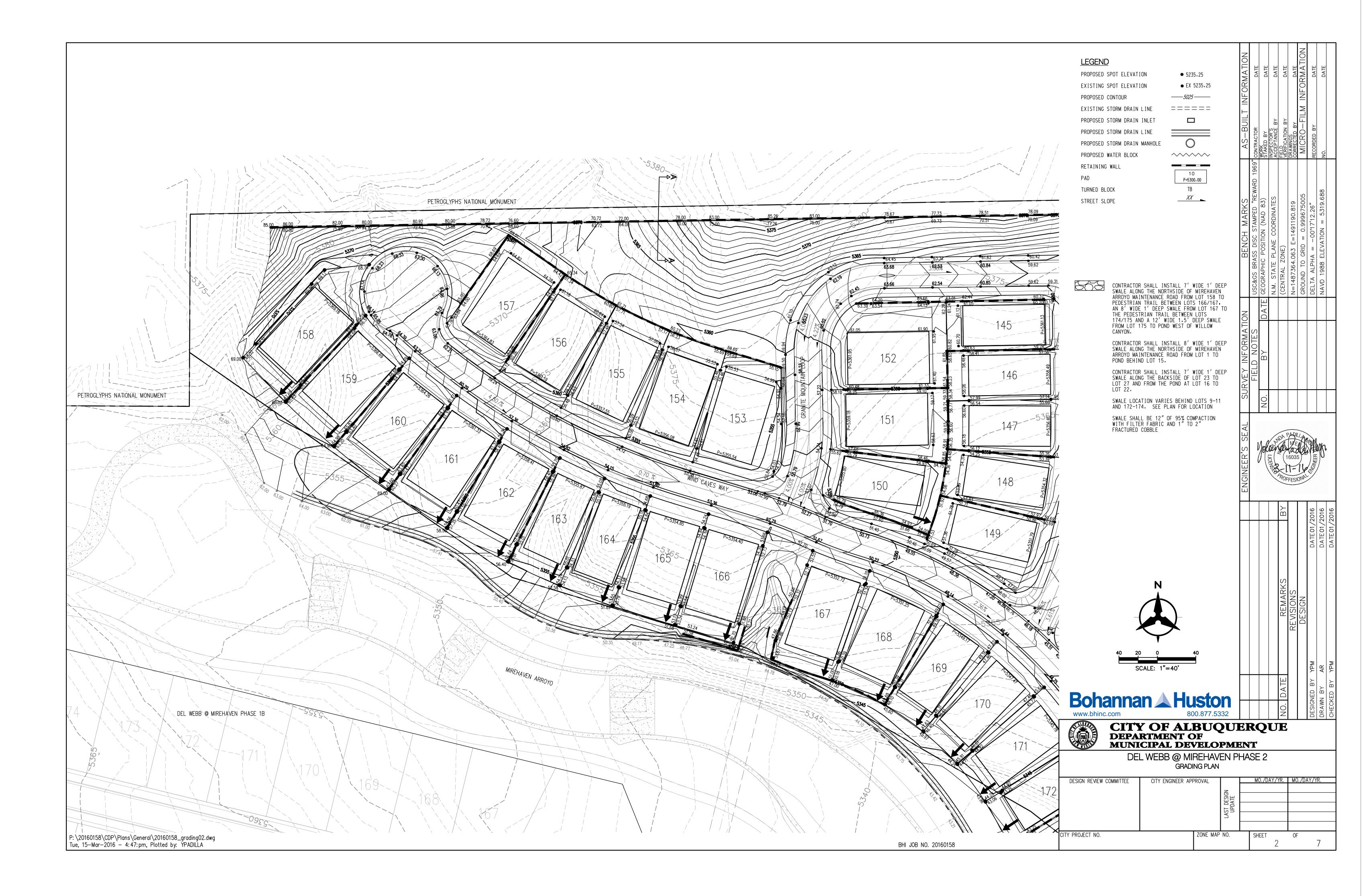
COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: \_\_\_\_

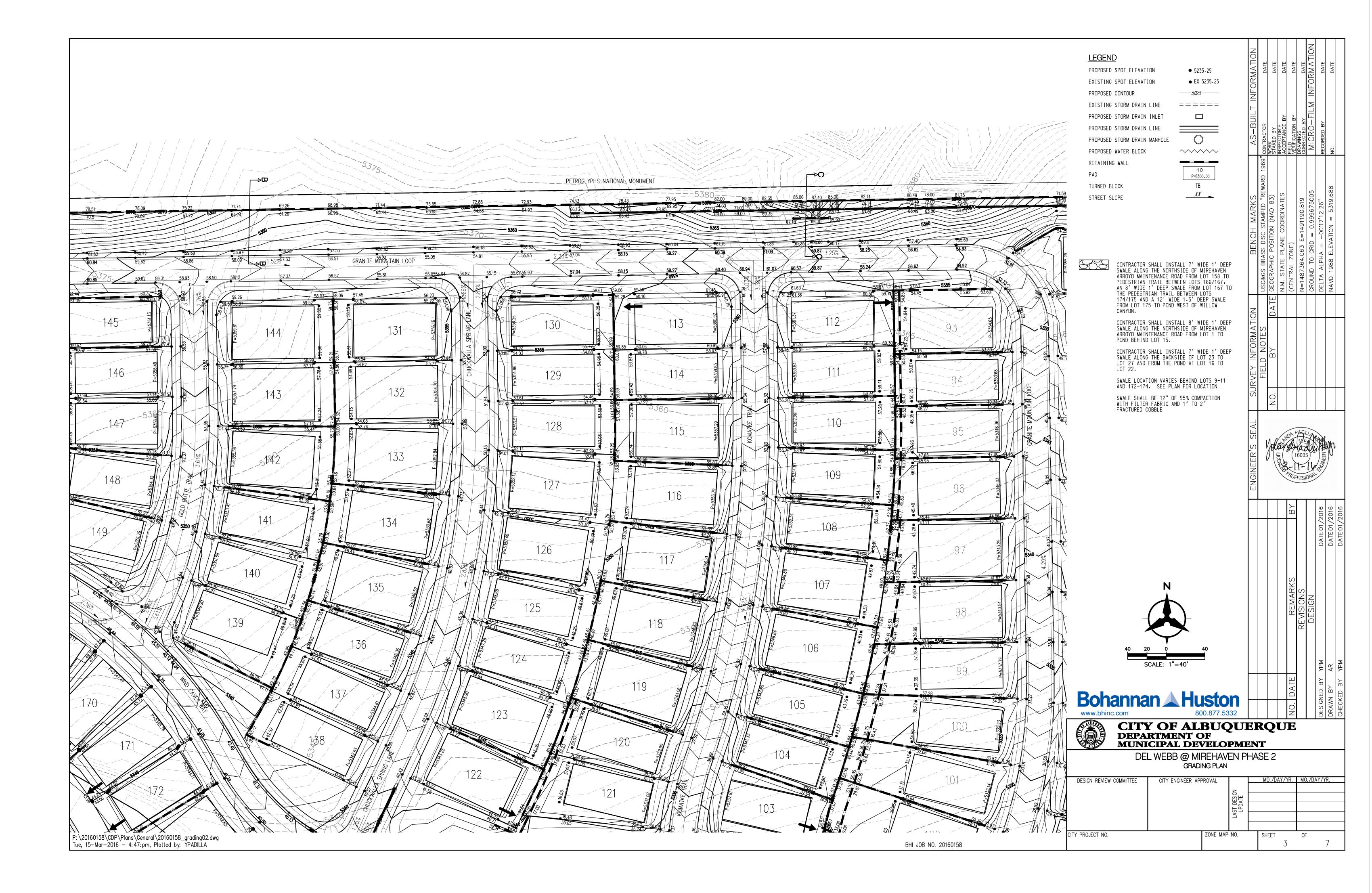


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F.3	7.58	0.00%	29.00%	29.00%	42.00%	24.7	0.83
F.4	7.05	0.00%	10.00%	40.00%	50.00%	24.9	0.85
G.1	10.23	0.00%	29.00%	29.00%	42.00%	33.3	1.12
G.2	5.97	0.00%	29.00%	29.00%	42.00%	19.4	0.65
G.3A	7.22	0.00%	29.00%	29.00%	42.00%	23.5	0.79
G.3B	0.40	0.00%	0.00%	100.00%	0.00%	1.1	0.03
G.4	2.50	0.00%	10.00%	40.00%	50.00%	8.8	0.30
G.5	0.94	0.00%	29.00%	29.00%	42.00%	3.1	0.10
G.6	2.34	0.00%	29.00%	29.00%	42.00%	7.6	0.26
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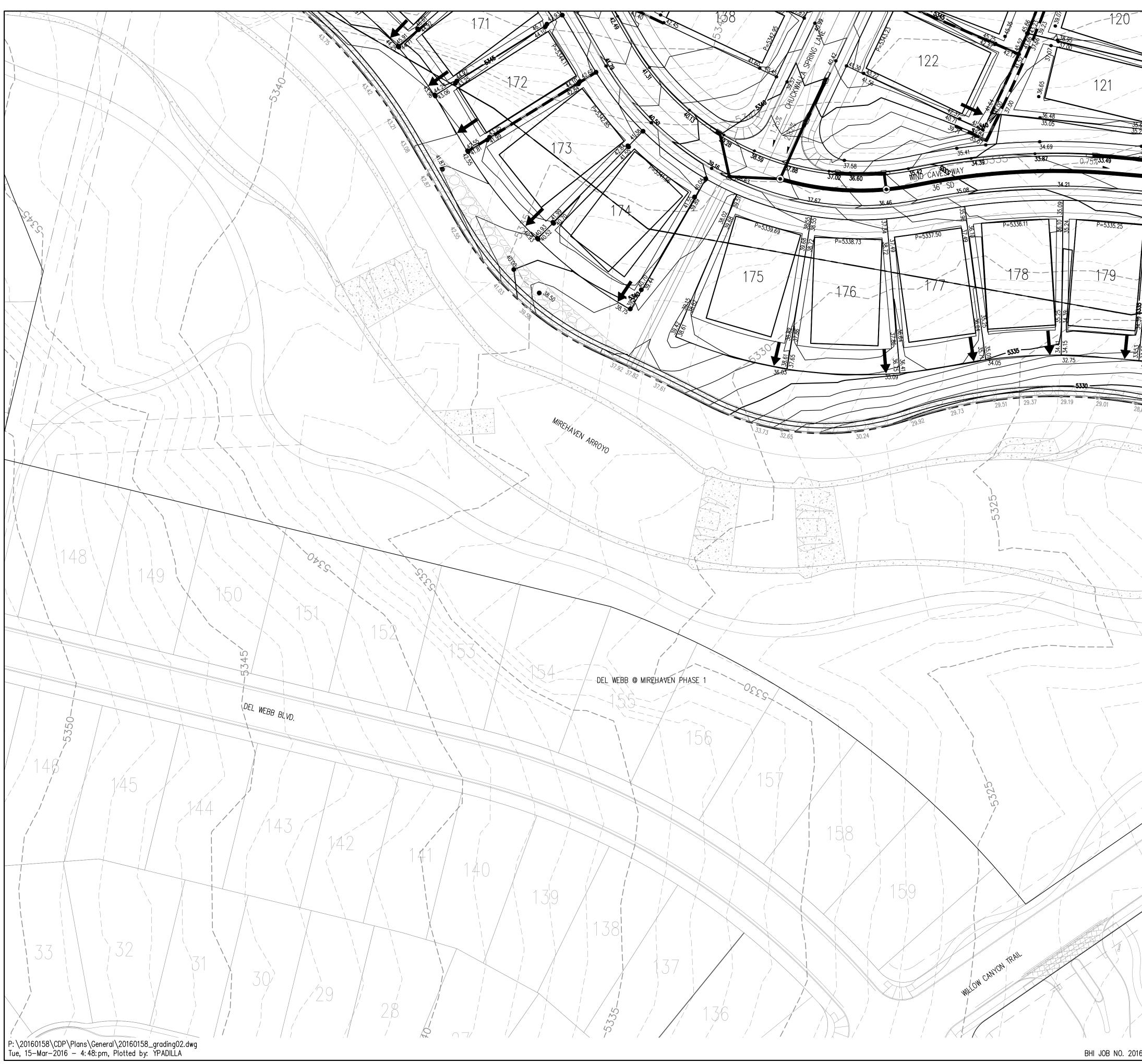


GENERAL NOTES 1. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.						DATE	DATE	DATE	KMAIIUN	DATE DATE			
STANDARDS SHALL APPLY. 2. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.									NH OKN				
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS INCLUDING ALL UNDERGROUND UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER OR ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.						~	~						
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.						TOR'S TANCE BY	ATION BY	CTED BY		JEU BY			
5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATION OF ALL NECESSARY UTILITY ADJUSTMEN INCONVENIENCES CAUSED BY UTILITY COMPANY WORK ( ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED W	COORDINATED WITH THAT UTILITY. THE CO TS. NO ADDITIONAL COMPENSATION WILL E CREWS. THE CONTRACTOR MAY BE REQUIR	INTRACTOR SHALL BE RESPONSIBLE FOR BE ALLOWED FOR DELAYS OR	×	1969"	WORK STAKEL	ACCEP	VERIFIC		M	NO.			
6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTIN EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVIT APPROVED BY THE CONSTRUCTION OBSERVER.			N N	D "REWARD	83)	ATES		819	9675005 2.26"	5319.688			
7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE RESULTING FROM THE CONSTRUCTION PROCESS SHALL	,		MAR	STAMPED	I (NAD	COORDINATES		=	100				
8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR M			NCH	DISC	POSITION	Щ		ш	GRID = 0.	ELEVATION			
9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESS, BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PER		COMMENCING CONSTRUCTION (I.E.,		BRASS	GRAPHIC P	1.1	$\mathbb{N}$	364.0					
10. ALL PROPERTY CORNERS DESTROYED DURING CON PROPERTY CORNERS MUST BE RESET BY A REGISTERED		CONTRACTOR'S EXPENSE. ALL		USC&GS	GEOGRA	N.M. STA		N=1487364.	GROUND				
11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTI FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERIN ADJACENT TO EXISTING STREETS.			Z		)ATE G	Z	<u> </u>	z					
12. ALL BARRICADES AND CONSTRUCTION SIGNING SH. CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRAN		F THE "MANUAL ON UNIFORM TRAFFIC	<u>IATIOI</u>	S									
13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCT THE PROPER LOCATION OF ALL BARRICADING AT THE E		MES. THE CONTRACTOR SHALL VERIFY	FORM	NOTE	$\succ$								
14. THE CONTRACTOR SHALL TAKE ALL STEPS NECES PHASE 2 REQUIREMENTS.	SARY TO CONFORM WITH EPA REQUIREMEN	ts, including compliance with NPDES	VEY IN	FIELD	Β								
GRADING NOTES 1. EXCEPT AS PROVIDED HERIN, GRADING SHALL BE PE THIS PLAN.	RFORMED AT THE ELEVATIONS AND IN ACC	CORDANCE WITH THE DETAILS SHOWN ON	SUR		NO.								
2. CONTRACTOR SHALL OBTAIN AND ABIDE BY A TOPSOIL DISTURBANCE PERMIT FROM THE CITY OF ALBUQUERQUE ENVIRONMENTAL HEALTH DIVISION, PRIOR TO CONSTRUCTION. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.					A ADA A A A A A A A A A A A A A A A A A					ADILLA Y GALON			
3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SOILS REPORT PREPARED BY X8EVINYARD DATED JULY 22, 2013. ALL OTHER WORK, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS (FIRST PRIORITY), AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).					LICE (16035) HOLE AND						U		
4. TWO WORKING DAYS PRIOR TO EXCAVATION, CONTRA	ACTOR MUST CONTACT LINE LOCATING SERV	/ICE (765–1264) FOR LOCATION OF											
5. PRIOR TO GRADING, ALL VEGETATION DEBRIS, AND NEAR SURFACE ORGANICALLY CONTAMINATED SOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED. VEGETATION AND DEBRIS SHALL BE DISPOSED OF OFF-SITE OR STOCK-PILED FOR USE IN PLANTERS AND NON-STRUCTURAL FILLS.							BY		01 /0016	/201	/201		
6. EARTH SLOPES SHALL NOT EXCEED 4 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE. 7. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY									D A TE O1	DATE	DATE01,		
<ol> <li>THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.</li> <li>THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS</li> </ol>													
SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY E EROSION.							RKS	() ()					
9. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.							REMA	VISION	ESIGN				
10. PAVING AND ROADWAY GRADES SHALL BE +/- 0.1 PLAN ELEVATIONS.	' FROM PLAN ELEVATIONS. PAD ELEVATIO	IN SHALL BE $+/-$ 0.05' FROM BUILDING						ш Ч					
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