# O GRADING KEYED NOTES

- INSTALL STORM DRAIN INLET TYPE 'D' INLET PER NM COA STD DWG 2206 OR APPROVED NYLOPLAST INLET WITH SAME CAPACITY.
- 2. INSTALL 4' WIDE CONCRETE VALLEY GUTTER PER DETAIL 4/C-300.
- 3. INSTALL 3' WIDE CURB OPENING PER DETAIL 3/C-300.
- 4. INSTALL TRENCH DRAIN PER DETAIL SHEET C-102 OR APPROVED EQUAL.
- 5. WATER HARVESTING AREA, SEE LANDSCAPE PLAN FOR DETAILS AND EROSION
- CONNECT TO EXISTING STORM DRAIN STUB OUT. CONTRACTOR SHALL VERIFY INVERT AND CONTACT ENGINEER OF ANY DESCREPANCIES.
- 7. INSTALL CONCRETE RUNDOWN PER DETAIL 2/C-300.
- 8. INSTALL HDPE (N-12 OR APPROVED EQUAL) STORM DRAIN, SEE PLAN FOR
- 9. INSTALL 3' HIGH RETAINING WALL. SEE STRUCTURAL FOR DETAILS.
- 10. INSTALL PREMANUFACTURED FLARED END SECTION.
- 11. INSTALL PREMANUFACTURED DRAINAGE FITTING. SEE PLAN FOR SIZE.
- 12. INSTALL RIP RAP BLANKET PER DETAIL 1/C-300.
- 13. OUTFALL 4" COURTYARD STORM DRAINS INTO WATER HARVESTING AREA SEE PLAN FOR SLOPE AND INVERT.
- 14. INSTALL 12" SIDEWALK CULVERT PER COA STD DWG 2236

## DRAINAGE CERTIFICATION

- I, MICHAEL BALASKOVITS, NMPE 18187, OF THE FIRM BOHANNAN HUSTON INC., HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12/8/10 THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ROBERT A. GROMATZKY, NMPS 16469, OF THE FIRM BOHANNAN HUSTON INC. I FURTHER CERTIFY THAT I HAVE PERSONALLY VISITED THE PROJECT SITE ON 12/19/11 AND HAVE DETERMINED BY VISUAL INSPECTION THAT THE SURVEY DATA PROVIDED IS REPRESENTATIVE OF ACTUAL SITE CONDITIONS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR A PERMANENT CERTIFICATE OF OCCUPANCY.
- THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER

12/64/11

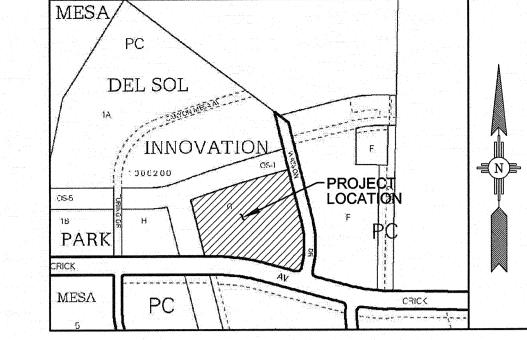
**LEGEND** 

FL70.22 DESIGN GRADE

⊕ FL<del>70.22</del> AS-BUILT GRADE



SCALE: 1"=30'



VICINITY MAP ZONE ATLAS PAGE Q-16-Z

## GRADING NOTES

- 1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.
- 2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.
- 3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION." AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT, (FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA) STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).
- 4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS SHOWN OTHERWISE.
- 5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.
- 6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.
- 7. A DISPOSAL SITE FOR ANY & ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL AND/OR A BORROW SITE CONTAINING ACCEPTABLE FILL 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 OR BORROW SITE AND HAUL TO OR FROM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- 8. PAVING AND ROADWAY GRADES SHALL BE  $\pm /-$  0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE  $\pm /-$  0.05' FROM BUILDING PLAN ELEVATION.
- 9. ALL PROPOSED CONTOURS REFLECT TOP OF PAVEMENT ELEVATIONS IN THE PARKING AREA AND MUST BE ADJUSTED FOR MEDIANS AND ISLANDS.
- 10. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.

# 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.
- 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.
- 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
- 4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
- 5. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- 6. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S

7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT

- 8. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY. 9. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION
- 10. ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.

(I.E., BARRICADING, TOPSOIL DISTURBANCE, EXCAVATION PERMITS, EPA STORM WATER PERMITS, ETC.).

VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.

- 11. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
- 12. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION. 13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL
- 14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

Huston

ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES

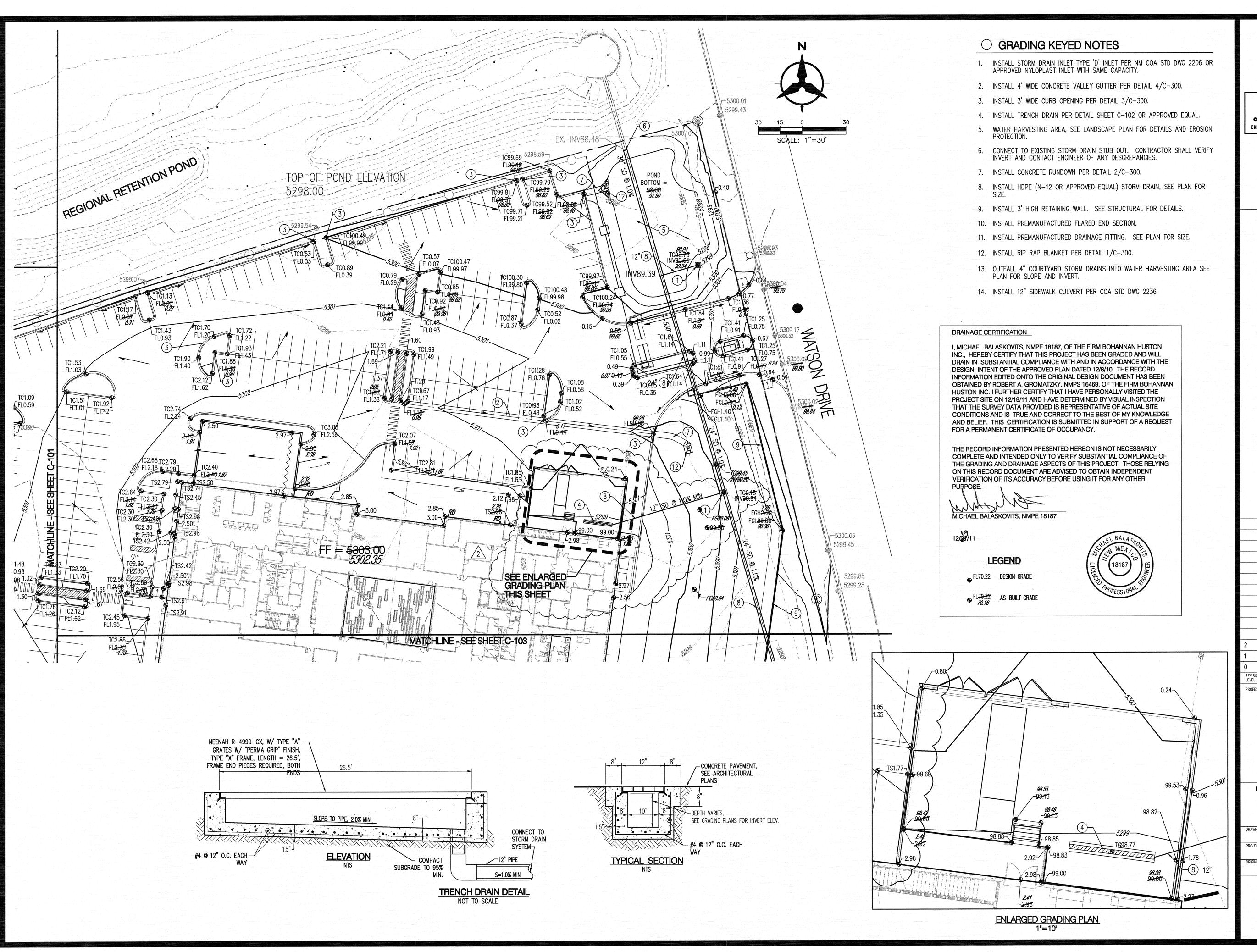
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2	ISSUED FOR CONSTRUCTION	1/07/20
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	ADDENDUM NO. 1 GRADING AND DRAINAGE PACKAGE	11/23/20 10/18/20
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1 O REVISION LEVEL	GRADING AND DRAINAGE PACKAGE ISSUE NAME	10/18/20

REVISION HISTORY

GRADING AND DRAINAGE PLAN

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	DRAWN BY		CHECKED BY	
		MJB		
	PROJECT NUMBER		PROJECT ABBREVIATION	
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Bohannan A Huston

Courteurd : 7000 Jefferson St. NE Abuquarque, NM 87109-6885
ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES

# ALBUQUERQUE, NM

ISSUED FOR CONSTRUCTION	1/07/
ADDENDUM NO. 1	11/23/
GRADING AND DRAINAGE PACKAGE	10/18/

REVISION HISTORY

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GRADING AND DRAINAGE PLAN

PROJECT NUMBER

109036

PROJECT ABBREVIATION
109036

PROJECT ABBREVIATION
109036

CURRENT DOCUMENTATION STAGE
12/07/2010

CONSTRUCTION DOCS

C-102

DRAWING NUMBER

# MATCHLINE - SEE SHEET C-102 TC2.<del>85</del> FL<del>2.35</del> 1.73 STUB TO WITHIN 5' OF BUILDING. SEE PLUMBING TC2.42 PLANS FOR CONTINUATION FL1.92 - INV=5300 -TS2.582.03 1.32 FGH2<del>.00</del> FGL99<del>.00</del> *98.34* 5298,67 TC1.91 FL1.41 AMEN FGL1.75 6" CURB AROUND, INVET TC1.45\_ |FL0.95 TC1.05 |FL<del>0.55</del> +5299.59 計5298.97 ~FGH3.20 2.44 FGL0-20 99.32 FGH2.40 1.67 FGL<del>99.40</del> 98.86 TC100.28 TC100.10 FL<del>99.60</del> 99.13 12" SD 8 © 0.5% FGH2.00 FGL98.00 WATSON *1.45* FGH<del>2.00</del>¬ TC99.29 FL9<del>8.79</del> 98.21 TC99.44 FL<del>98.94</del> 198.40 TC99.66 98.58 FL99.18 POND BOTTOM = **从5299.45** 5300.07-CRICK CROSSING 529

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MICHAEL BALASKOVITS, NMPE 18187

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Courtyard 1 7500 Jesterson St. NE Abuquerque, NM 87100-4385 ENGINEERING & SPATIAL DATA & ADVANCED TECHNOLOGIES

# Artesia Development ICE Albuquerque 5441 WATSON DR ALBUQUERQUE, NM

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	ISSUED FOR CONSTRUCTION	1/07/2010
	ADDENDUM NO. 1	11/23/2010
	GRADING AND DRAINAGE PACKAGE	10/18/2010
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**REVISION HISTORY** 

GRADING AND DRAINAGE PLAN

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	MJB	
PROJECT NUMBER		PROJECT ABBREVIATION
	109036	ICEAIL
ORIGINAL ISSUE		CURRENT DOCUMENTATION STAGE
	12/07/2010	CONSTRUCTION DOCS
		FILE NAME

C-103

30 15 0 SCALE: 1"=30'