CITY OF ALBUQUERQUE



June 16, 2016

Richard J. Berry, Mayor

Mike Balaskovits, P.E. Bohannan Huston, Inc. 7500 Jefferson St NE Courtyard 1 Albuquerque, NM, 87109

RE: Innovate ABQ

Grading and Drainage Plan Foundation Only Permit

Stamp Date 5-26-16 (File: K14D108)

Dear Mr. Balaskovits:

Based upon the information provided in your submittal received 5-26-2016, the above referenced Grading and Drainage Plan is approved for Foundation Permit.

PO Box 1293

Please attach a copy of this approved plan in the construction sets if required when submitting for the foundation permit. Prior to Certificate of Occupancy release, Engineer Certification of the as-built elevations per the DPM checklist will be required.

Albuquerque

Per discussions with the Planning Director and the Department of Municipal Development (6-15-2016), it is anticipated that further coordination will take place regarding the design of the drainage outfall and management of the first flush volume. However, it does not appear to affect the layout or vertical design of the foundation of this first phase. If issues do arise with the layout or elevation of the foundation, a solution will need to be proposed prior to approval for Building Permit.

www.cabq.gov

New Mexico 87103

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

Sincerely,

Abiel Carrillo, P.E.

Principal Engineer, Planning Dept. Development Review Services

Orig: Drainage file



COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: ____

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 09/2015)

Project Title:		Building Permit #:	City Drainage #:	
DRB#: EPC#:				
Legal Description:				
City Address:				
Engineering Firm:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Owner:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Architect:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Other Contact:		Cont	act:	
Address:				
Phone#:	Fax#:	E-ma	ail:	
Check all that Apply: DEPARTMENT: HYDROLOGY/ DRAINAGE			ROVAL/ACCEPTANCE SOUGHT:	
TRAFFIC/ TRANSPORTATION			BUILDING PERMIT APPROVAL	
MS4/ EROSION & SEDIMENT CO	NTROL	CERTIFICATE OF	OCCUPANCY	
TYPE OF SUBMITTAL:		PRELIMINARY PI	AT APPROVAL	
ENGINEER/ ARCHITECT CERTIFICATION			SITE PLAN FOR SUB'D APPROVAL	
		SITE PLAN FOR B	LDG. PERMIT APPROVAL	
CONCEPTUAL G & D PLAN		FINAL PLAT APP	FINAL PLAT APPROVAL	
GRADING PLAN		SIA/ RELEASE OF	SIA/ RELEASE OF FINANCIAL GUARANTEE	
DRAINAGE MASTER PLAN		FOUNDATION PE	FOUNDATION PERMIT APPROVAL	
DRAINAGE REPORT		GRADING PERMI	GRADING PERMIT APPROVAL	
CLOMR/LOMR		SO-19 APPROVAL	SO-19 APPROVAL	
		PAVING PERMIT		
TRAFFIC CIRCULATION LAYOU	Γ (TCL)		APPROVAL	
TRAFFIC CIRCULATION LAYOUT TRAFFIC IMPACT STUDY (TIS)	Γ (TCL)	PAVING PERMIT	APPROVAL ERTIFICATION	
		PAVING PERMIT GRADING/ PAD C	APPROVAL ERTIFICATION	
TRAFFIC IMPACT STUDY (TIS)	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP	APPROVAL ERTIFICATION ROVAL	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET	APPROVAL ERTIFICATION ROVAL ING	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET	APPROVAL ERTIFICATION ROVAL	
TRAFFIC IMPACT STUDY (TIS) EROSION & SEDIMENT CONTRO OTHER (SPECIFY)	L PLAN (ESC)	PAVING PERMIT GRADING/ PAD C WORK ORDER APP CLOMR/LOMR PRE-DESIGN MEET OTHER (SPECIFY	APPROVAL ERTIFICATION ROVAL ING	

EXISTING DRAINAGE NARRATIVE

EXISTING CONDITIONS:

INNOVATE ABQ IS LOCATED ON THE EXISTING FIRST BAPTIST CHURCH PROPERTY ON THE NORTHWEST CORNER OF THE INTERSECTION OF CENTRAL AVENUE AND BROADWAY BOULEVARD. THE TOTAL SITE IS BROKEN INTO FOUR EXISTING TRACTS, TOTALING 7.23 ACRES. THE TRACT THAT THIS PROJECT SITS ON IS APPROXIMATELY 3.14 ACRES AND IS CURRENTLY FULLY DEVELOPED. THE EXISTING FIRST BAPTIST CHURCH COVERS THE MAJORITY OF THE SITE INCLUDING A COURTYARD WHILE THE REST OF THE SITE IS PAVED FOR PARKING. THE ADJACENT PARKING LOCATED ON THE OTHER TRACTS AND ACCESS ROADWAYS TO THE SITE HAVE RELATIVELY STEEP SLOPES OF 2.50% FROM EAST TO WEST AND SURFACE DRAIN TO AN EXISTING INLET IN THE PARKING LOT TO THE WEST. WHICH ULTIMATELY OUTFALL INTO AN EXISTING 30" STORM DRAIN THAT HEADS WEST INTO COPPER. THERE IS AN EXISTING 15" STORM DRAIN LINE WHICH SERVES THE COURTYARD AREA AND BUILDING WHICH DISCHARGES
TO THIS EXISTING INLET IN THE WEST PARKING LOT. THE REMAINDER OF THE SITE (SOUTHWEST & SOUTHERN BASINS) DRAIN TO AN EXISTING STORM DRAIN THAT RUNS ALONG THE SOUTHERN SIDE OF THE SITE AND HEADS NORTH AT WITCH POINT THIS 36" STORM DRAIN HEADS WEST ACROSS THE RAILROAD TRACTS INTO COPPER. IT EVENTUALLY CONNECTS TO THE OTHER 30" STORM DRAIN MENTIONED ABOVE.

THE TOTAL EXISTING DISCHARGE FROM THE SITE IS APPROXIMATELY 32.20 CFS. FUTURE DEVELOPMENT WILL FOLLOW THESE HISTORIC PATHS AND CONTINUE TO DRAIN AS DESCRIBED. FIRST FLUSH REQUIREMENTS WILL BE ACCOUNTED FOR AS EACH PHASE COMES ONLINE. METHODOLOGY:

THE SITE IS LOCATED IN THE CITY OF ALBUQUERQUE, THEREFORE, THE DEVELOPMENT PROCESS MANUAL SECTION 22.2 WAS USED TO ANALYZE THE SITE'S PROPOSED DRAINAGE. PRECIPITATION ZONE 2 WAS USED DUE TO THE SITE LYING EAST OF THE RIO GRANDE AND WEST OF SAN MATEO, PER SECTION 22.2.

SEE C002 FOR PROPOSED CONDITIONS DRAINAGE MANAGEMENT PLAN

PERICH

ARCHITECTURE / DESIGN / INSPIRATION

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

505.761.9700 / DPSDESIGN.ORG

ARCHITECT

FOUNDATION PERMIT SET

PROJECT

PROPOSED STORM DRAIN

PROPOSED STORM DRAIN

PROPOSED WATER

HARVESTING AREAS (FIRST

FLUSH REQUIREMENT)

MANHOLE

DRAWN BY REVIEWED BY DATE 05/20/2016 16-0044 PROJECT NO. DRAWING NAME

EXISTING DRAINAGE MANAGEMENT PLAN

SHEET NO.

Bohannan A Huston

ELEVATION

PROPOSED FINISHED GRADE

SPOT ELEVATION

FL=FLOW LINE,

TC=TOP OF CURB,

TS=TOP OF SIDEWALK TG=TOP OF GRATE, FGH=FINISH GROUND HIGH, FGL=FINISH GROUND LOW

→ GRADING KEYNOTES

- 1. HDPE (N12 WT, OR APPROVED EQUAL) STORM DRAIN PIPE.
- 2. STORM DRAIN MANHOLE PER COA STD DWG 2102.
- 3. 10,000GAL CISTERN SIZED TO ACCEPT THE "FIRST FLUSH", SET AT AN ELEVATION OF 4958.00 (TO BE CONSTRUCTED LATER IN THE PROJECT).
- 4. TRENCH DRAIN.
- 6. CONSTRUCT NEW MANHOLE PER COA STANDARD DRAWING 2102.
- 7. STORM DRAIN FITTING PER MANUFACTURES RECOMMENDATIONS.
- 8. ROOF DRAIN, STUB TO WITHIN 5' OF BUILDING. SEE STRUCTURAL AND PLUMBING PLANS FOR INVERT AND SIZE.
- 9. MATCH EXISTING.
- 10. RETAINING WALL. 11. CONNECT TO EXISTING ROOF DRAIN.

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 DELAY.

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

7. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

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

CONTRACTOR'S EXPENSE. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR. 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,

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

13. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF

14. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

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". 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.

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 +/- 0.1' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 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

GRADING LEGEND

	PROPERTY LINE		PROPOSED CURB & GUTTER
	PROJECT LIMITS OF GRADING	S=2.0%	DIRECTION OF FLOW
	EXISTING INDEX CONTOUR		WATER BLOCK/GRADE
<i>5024</i>	EXISTING INTERMEDIATE CONTOUR -	SD	BREAK PROPOSED STORM DRAIN
⊕ 5025.25	EXISTING GROUND SPOT ELEVATION	•	LINE PROPOSED STORM DRAIN MANHOLE
5025	PROPOSED INDEX CONTOUR		
5024	PROPOSED INTERMEDIATE CONTOUR		PROPOSED STORM DRAIN INLETS
	PROPOSED FLOW LINE		PROPOSED RETAINING WALL
	PROPOSED FINISHED GRADE		EASEMENT
⊕ ^{26.75}	SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE,		PROPOSED WATER HARVESTING AREAS (FIRST

TS=TOP OF SIDEWALK TG=TOP OF GRATE, FGH=FINISH GROUND HIGH, FGL=FINISH GROUND LOW

Bohannan A Huston www.bhinc.com

FLUSH REQUIREMENT)

ARCHITECTURE / DESIGN / INSPIRATION

PERICH

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

505.761.9700 / DPSDESIGN.ORG

FOUNDATION

PERMIT SET

ENGINEER

PROJECT

INNOVATE

REVISIONS

DRAWN BY **REVIEWED BY** DATE 05/20/2016 PROJECT NO. 16-0044 DRAWING NAME

GRADING PLAN

SHEET NO.

PROPOSED DRAINAGE NARRATIVE

SITE INTRODUCTION:

THE FIRST PHASE OF INNOVATE ABQ IS LOCATED ON THE EXISTING FIRST BAPTIST CHURCH PROPERTY ON THE NORTHWEST CORNER OF THE INTERSECTION OF CENTRAL AVENUE AND BROADWAY BOULEVARD. THE TRACT THAT THIS PROJECT SITS ON IS APPROXIMATELY 3.14 ACRES AND IS CURRENTLY FULLY DEVELOPED. THE PROPOSED DEVELOPMENT WILL CONTINUE TO DRAIN AT THE HISTORIC FLOW RATES TO THE WEST INTO THE EXISTING 30" STORM DRAIN.

PER FEMA MAP PANEL #35001C0334G (THIS SHEET), THE SITE IS NOT LOCATED WITHIN A KNOWN FLOOD ZONE.

METHODOLOGY:

THE SITE IS LOCATED IN THE CITY OF ALBUQUERQUE, THEREFORE, THE DEVELOPMENT PROCESS MANUAL SECTION 22.2 WAS USED TO ANALYZE THE SITE'S PROPOSED DRAINAGE. PRECIPITATION ZONE 2 WAS USED DUE TO THE SITE LYING EAST OF THE RIO GRANDE AND WEST OF SAN MATEO. PER SECTION 22.2. THE ONSITE STORM DRAINS WERE SIZED BASED OFF OF MANNING'S EQUATION.

PROPOSED CONDITIONS:

THE CONSTRUCTION OF THIS PROJECT WILL CONSIST OF A NEW MULTISTORY BUILDING AND COURTYARD IMPROVEMENTS BETWEEN THE EXISTING FIRST BAPTIST CHURCH AND THE NEW BUILDING. THE WORK WILL BE CONFINED ONLY TO THE AREA TO THE NORTH OF THE EXISTING CHURCH AND NOT IMPACT THE SURROUNDING PARKING. THE NORTHERN WING OF THE EXISTING CHURCH WILL BE DEMOLISHED TO MAKE ROOM FOR THE NEW BUILDING. RUNOFF GENERATED BY THE NEW DEVELOPMENT WILL DISCHARGE INTO A NEW ONSITE CISTERN SIZED TO ACCEPT THE "FIRST FLUSH" VOLUME WHICH WE'VE CALCULATED AS APPROXIMATELY 1,150 CF (OR 8,600 GALLONS).

BASED ON THE PROPOSED GRADING, THE SITE WILL BE DIVIDED INTO 6 ONSITE DRAINAGE BASINS. THE PROPOSED ONSITE BASINS OUTFALL INTO THE EXISTING 15" STORM DRAIN SYSTEM ONSITE, BASIN 5 MOSTLY CONSISTS OF LAND WITHIN THE RIGHT OF WAY, THEREFORE THE BASIN WAS DESIGNED TO DISCHARGE EAST INTO BROADWAY BLVD. THIS IS APPROXIMATELY 0.50 CFS. BASIN 6 IS THE REMAINDER OF THE EXISTING FIRST BAPTIST CHURCH. THIS BASIN'S RUNOFF IS ACCOUNTED FOR IN THE ONSITE STORM DRAIN ANALYSIS, BUT THE CONTRIBUTING FLOW IS NOT ACCOUNTED FOR IN THE FIRST FLUSH VOLUME OR THE TOTAL SITE PEAK DISCHARGE AS THE BUILDING IS TO REMAIN UNTOUCHED DURING THIS PHASE OF THE PROJECT, THEREFORE THE FLOW IS THE SAME AS EXISTING CONDITIONS. BASIN 4 CONSISTS OF THE LOWER COURTYARD, OF WHICH A PORTION DRAINS INTO THE ONSITE STORM DRAIN SYSTEM (INCLUDING ONSITE CISTERN), THE OTHER PORTION SURFACE FLOWS INTO THE PARKING LOT TO THE WEST BEFORE CONTINUING ON INTO THE EXISTING 15" STORM DRAIN, BASIN 1 IS THE PROPOSED BUILDING, THE BUILDING WILL BE PIPED INTO THE UNDERGROUND STORM DRAIN SYSTEM. BASIN'S 2 AND 3 ARE LOCATED IN THE NORTHERN COURTYARD. THESE BASINS WILL DISCHARGE INTO THE PROPOSED TRENCH DRAINS AND CONTINUE INTO THE ONSITE SYSTEM AND CISTERN AND SLOWLY DISCHARGE VIA A SMALL DIAMETER PIPE. THE TOTAL FIRST FLUSH VOLUME FROM THESE ONSITE BASINS WILL BE DETAINED WITHIN THE ONSITE CISTERN. DURING LARGER STORM EVENTS, THE CISTERN WILL HAVE AN OVERFLOW TIED DIRECTLY TO A NEW STORM DRAIN SYSTEM WHICH WILL EXTEND TO THE EXISTING 15" STORM DRAIN. SURROUNDING GRADES ADJACENT TO THE BUILDING ARE SET LOW ENOUGH TO ENSURE THAT IF THE ONSITE INLETS AND TRENCH DRAINS BECOME CLOGGED, DRAINAGE WILL DISCHARGE DIRECTLY TO THE STREET OR THE PARKING LOT PRIOR TO ENTERING THE BUILDINGS. PEAK DISCHARGE OF DEVELOPED CONDITIONS WILL BE APPROXIMATELY 7.23 CFS. THIS IS AN INCREASE OF LESS THAN 1.0 CFS FROM EXISTING CONDITIONS. HOWEVER THIS DOES NOT TAKE INTO ACCOUNT THE DETENTION OF THE FIRST FLUSH VOLUME WITHIN THE CISTERN WHICH WILL BRING IT CLOSER TO EXISTING CONDITIONS. THE 0.5 CFS FROM BASIN 5 WILL ALSO CONTINUE ON IT'S HISTORIC PATH AND WILL NOT INCREASE

GIVEN THE ABOVE INFORMATION, AND FUTURE DETAILS TO COME CONCERNING THE CISTERN. WE ARE REQUESTING CITY HYDROLOGY APPROVAL IN SUPPORT OF FOUNDATION PERMIT APPROVAL A SUBSEQUENT GRADING AND DRAINAGE PLAN AND ASSOCIATED DRAINAGE MANAGEMENT PLAN WILL BE SUBMITTED IN SUPPORT OF

PERICH

ARCHITECTURE / DESIGN / INSPIRATION

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

505.761.9700 / DPSDESIGN.ORG

ARCHITECT

FOUNDATION PERMIT SET

ENGINEER

PROJECT

INNOVATE

REVISIONS

AWN BY	MHS
VIEWED BY	MJB
TE	05/20/2016
OJECT NO.	16-0044
AWING NAME	

PROPOSED DRAINAGE MANAGEMENT PLAN

SHEET NO. C002

Bohannan A Huston

PROPOSED CURB & GUTTER

PROPOSED STORM DRAIN

MANHOLE

PROPOSED RETAINING WALL

EASEMENT

CONTOUR

ELEVATION

CONTOUR

EXISTING GROUND SPOT

PROPOSED FINISHED GRADE

SPOT ELEVATION

FL=FLOW LINE,

TC=TOP OF CURB,

TS=TOP OF SIDEWALK TG=TOP OF GRATE, FGH=FINISH GROUND HIGH, FGL=FINISH GROUND LOW

WATER BLOCK/GRADE

PROPOSED STORM DRAIN

PROPOSED STORM DRAIN

PROPOSED WATER

HARVESTING AREAS (FIRST

FLUSH REQUIREMENT)