# CITY OF ALBUQUERQUE

*Planning Department* Brennon Williams, Director



Mayor Timothy M. Keller

October 7, 2019

Matt Satches, PE Bohannan Huston, Inc. 7500 Jefferson St NE Albuquerque, NM 87109

## RE: 2440 Louisiana NE Grading and Drainage Plan Engineer's Stamp Date: 9/25/19 Hydrology File: H19D084

Dear Mr. Satches:

PO Box 1293	Based on the submittal received on 9/25/19 the above-referenced Grading and Drainage Plan cannot be approved for Grading or Paving Permit until the following corrections are made:
Albuquerque	1. The orifice plates on inlets 2 and 3 in the NW parking lot (outfall for proposed basin C) are missing and need to be replaced in order for the parking lot detention pond to function as proposed. Include this repair/replacement work on the plan. The orifice plates for the SW parking lot (outfall for basin B) were recently replaced and the pond near the parking garage entrance is still in place, so those outfalls are acceptable.
NM 87103 www.cabq.gov	2. Payment in Lieu (Amount = 482CF x \$8/CF = \$3856, per sheet C-001) of onsite management of the SWQV must be made. Take three copies of the treasury deposit slip to the Treasury and then include one copy of the paid deposit slip when resubmitting.
	3. Because these corrections are minor, the administrative resubmittal fee of \$40 may be used. Please include a copy of this letter when resubmitting in order to receive the reduced fee.
	Prior to Certificate of Occupancy (For Information):
	4. Engineer's Certification, per the DPM Chapter 22.7: <i>Engineer's Certification Checklist For Non-Subdivision</i> is required and needs to include photographs of the replaced orifice plates.
	If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

# CITY OF ALBUQUERQUE

*Planning Department* Brennon Williams, Director



Mayor Timothy M. Keller

Sincerely,

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Dana M. Peterson Senior Engineer, Planning Dept. Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



# TREASURY DIVISION DAILY DEPOSIT

# Transmittals for: PROJECTS Only

# Payment In-Lieu for Storm Water Quality Volume Requirement

CASH COUNT	AMOUNT	ACCOUNT NUMBER	FUND NUMBER	BUSINESS UNIT	PROJECT ID	ACTIVITY ID	AMOUNT
TOTAL CHECKS	\$ 3856.00	461615	305	PCDMD	24_MS4	7547210	\$ 3856.00
TOTAL AMOUNT						TOTAL DEPOSIT	\$3856.00

Hydrology#: H19D084		Name:	2440 Louisiana, 22,227sf imp.	
Payment In-L Volume Requ	Lieu For Storm Water Quality uirement			
Address/Legal Description:	2440 Louisiana NE TR 5-A-2 BLK C PLAT FOR LOUISIANA SUBDIVISION	LOTS 5-A-1	, 5-A-2, 6-A-1-C-1-A AND6-A-1-C-1-B BLOCK "C",	
DEPARTMENT NAME: P	Planning Department/Develop	ment Review	v Services, Hydrology	
PREPARED BY Dana Pe	eterson	PHONE	924-3695	
BUSINESS DATE 10/4/19	)			
DUAL VERIFICATION OF D	DEPOSIT 2 Ph	ATURE		
AND BYEMPLOYEE SIG	NATURE			
Remitter:				
Amount: Bank:				

The Payment-in-Lieu can be paid at the Plaza del Sol Treasury, 600 2<sup>nd</sup> St. NW. **Bring three copies of this invoice to the Treasury** and provide a copy of the receipt to Hydrology, Suite 201, 600 2<sup>nd</sup> St. NW, or e-mail with the Hydrology submittal to PLNDRS@cabq.gov.



# City of Albuquerque

Planning Department Development & Building Services Division DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title:	Building	g Permit #: Hydrology File #:
		Work Order#:
Legal Description:		
City Address:		
Applicant:		Contact:
Address:		
		E-mail:
Owner:		Contact:
Address:		
Phone#:	Fax#:	E-mail:
TYPE OF SUBMITTAL: PLAT (	# OF LOTS)	RESIDENCE DRB SITE ADMIN SITE
IS THIS A RESUBMITTAL?:	Yes	No
DEPARTMENT: TRAFFIC/ TRA	NSPORTATION	HYDROLOGY/ DRAINAGE
Check all that Apply:		TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
TYPE OF SUBMITTAL:		BUILDING PERMIT APPROVAL
ENGINEER/ARCHITECT CERTIFI	CATION	CERTIFICATE OF OCCUPANCY
PAD CERTIFICATION		PRELIMINARY PLAT APPROVAL
CONCEPTUAL G & D PLAN		SITE PLAN FOR SUB'D APPROVAL
GRADING PLAN DRAINAGE MASTER PLAN		SITE PLAN FOR BLDG. PERMIT APPROVAL
DRAINAGE MASTER PLAN DRAINAGE REPORT		FINAL PLAT APPROVAL
FLOODPLAIN DEVELOPMENT PI	ERMIT APPI IC	SIA/ RELEASE OF FINANCIAL GUARANTEE
ELEVATION CERTIFICATE		FOUNDATION PERMIT APPROVAL
CLOMR/LOMR		GRADING PERMIT APPROVAL SO-19 APPROVAL
TRAFFIC CIRCULATION LAYOU	T (TCL)	SO-19 APPROVAL PAVING PERMIT APPROVAL
TRAFFIC IMPACT STUDY (TIS)	- ()	GRADING/ PAD CERTIFICATION
OTHER (SPECIFY)		WORK ORDER APPROVAL
PRE-DESIGN MEETING?		CLOMR/LOMR
		FLOODPLAIN DEVELOPMENT PERMIT
		OTHER (SPECIFY)
DATE SUBMITTED:	Bv	

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED:

FEE PAID:

# Bohannan 🛦 Huston



September 25, 2019

Mr. Dana Peterson, PE Senior Engineer Planning Department City of Albuquerque 600 2<sup>nd</sup> Street NW Albuquerque, NM 87103

Re: 2440 Louisiana - Hydrology File: H19D084 COA Hydrology Building Permit Approval Re-Submittal

Dear Mr. Peterson:

Enclosed for your review is a copy of the 2440 Louisiana Drainage Management Plan and Grading Plan. Below is a brief description of how the comments from your response letter (dated 06/06/19) were addressed:

 Onsite detention is required. The capacity of the storm drain in Louisiana has been exceeded; therefore discharge is limited to 0.1cfs/ac. No increased runoff to overcapacity systems can be authorized per § 14-5-2-12 (G) of the Albuquerque Code of Ordinances.

**Response**: The existing detention pond locations throughout this area are restricted by various orifice plates. These orifice plates will restrict the additional runoff associated with the developments. Runoff volume associated with the additional impervious area is provided. Below is a brief summary of how the additional runoff is handled for the three proposed basins.

- Basin A: An existing pond is located to the east of the underground parking area south of the site. Per "The 24's Uptown – Louisiana Condo Project Drainage Report (Hydro File H19D001)" this pond is sized for 122% of the required 100 Yr – 6 Hr storm event. The required volume is 1,642 CF, but 2,007 CF is provided, a 365 CF difference. The additional runoff volume from Basin A due to this development is 325 CF, less than the 365 CF difference. The additional runoff volume from Basin A is mitigated entirely by the additional volume provided previously. See Exhibit A for more information.
- Basin B: The parking lot located west of the 24's Condos acts as a detention pond. This pond utilizes orifice plates to restrict runoff flow rates. Per "The Shops @ the 24's Grading & Drainage Plan (Hydro File H19D001)" this pond has approximately 0.1829 Ac-Ft of storage (~7967 CF). The maximum storage is 0.0336 Ac-Ft (~1463 CF). The difference between the existing runoff volume and proposed runoff volume due to the development is 257 CF. This volume falls within the remaining storage volume in this pond. This pond has a maximum water surface elevation of 5222.91 FT, the top of pond is 5223.50 FT. The additional volume will negligibly increase the maximum water surface elevation of this pond. See Exhibit B for more informationg
  - Spatial Data 🔺
  - Advanced Technologies 🔺

Mr. Dana Peterson, PE Senior Engineer City of Albuquerque September 25, 2019 Page 2

- Basin C: The parking lot located west of the 2440 Office Building acts as a detention pond. This pond utilizes orifice plates to restrict runoff flow rates. Per "The American Financial Center Drainage Plan (Hydro File H19D001)" this ponding area has a maximum water surface elevation approximately 15" above the top of inlet grate, this equals approximately 11,700 CF of storage. An additional 926 CF is now contributing to this area. The spread of the ponding area based on the survey is approximately 24,800 SF. This additional volume spread over the parking lot is approximated to add .037 FT (.44") to the maximum water surface elevation. This amount is negligible, and the existing ponding area mitigates the additional runoff from the development.
- 2. Provide two detailed and scaled exhibits of the land treatments; one for existing and one for proposed. Delineate between areas of impervious and pervious cover on both and provide the area take-offs.

**Response:** Two viewports are now provided for both the existing conditions and proposed conditions. Associated drainage tables are now provided for both conditions as well. Associated runoff flow rates and volumes are shown.

3. Storm water quality calculations are missing. This site qualifies as redevelopment and is only required to retain runoff from the 80th percentile storm (Vol. = 0.26"\*Imp.Area).

Response: First Flush is now quantified and will be paid Cash-In-Lieu

4. A Bernalillo County Recorded Drainage Covenant (No Public Easement) is required for the storm water quality pond. The original notarized form, exhibit A (legible on 8.5x11 paper), and recording fee (\$25, payable to Bernalillo County) must be turned into DRC (4th, Plaza del Sol) for routing. Please contact Charlotte LaBadie (clabadie@cabq.gov, 924-3996) or Madeline Carruthers (mtafoya@cabq.gov, 924-3997) regarding the routing and recording process for covenants.

Response: First Flush is to be paid Cash-In-Lieu.

5. Show the contours and grades for the adjacent underground parking structure entrance. Special care must be taken to ensure no additional runoff is directed toward it. New survey data is required.

Response: New survey has data has been collected for the entire site.

6. Provide written and signed permission from the adjoining property to the south for any new discharge to their property.

**Response:** See Exhibit D, the ALTA for the site, reflecting a cross lot drainage easement allowing runoff onto the adjacent property.

7. Include project benchmark and datum.

Response: This is now included.

Mr. Dana Peterson, PE Senior Engineer City of Albuquerque September 25, 2019 Page 3

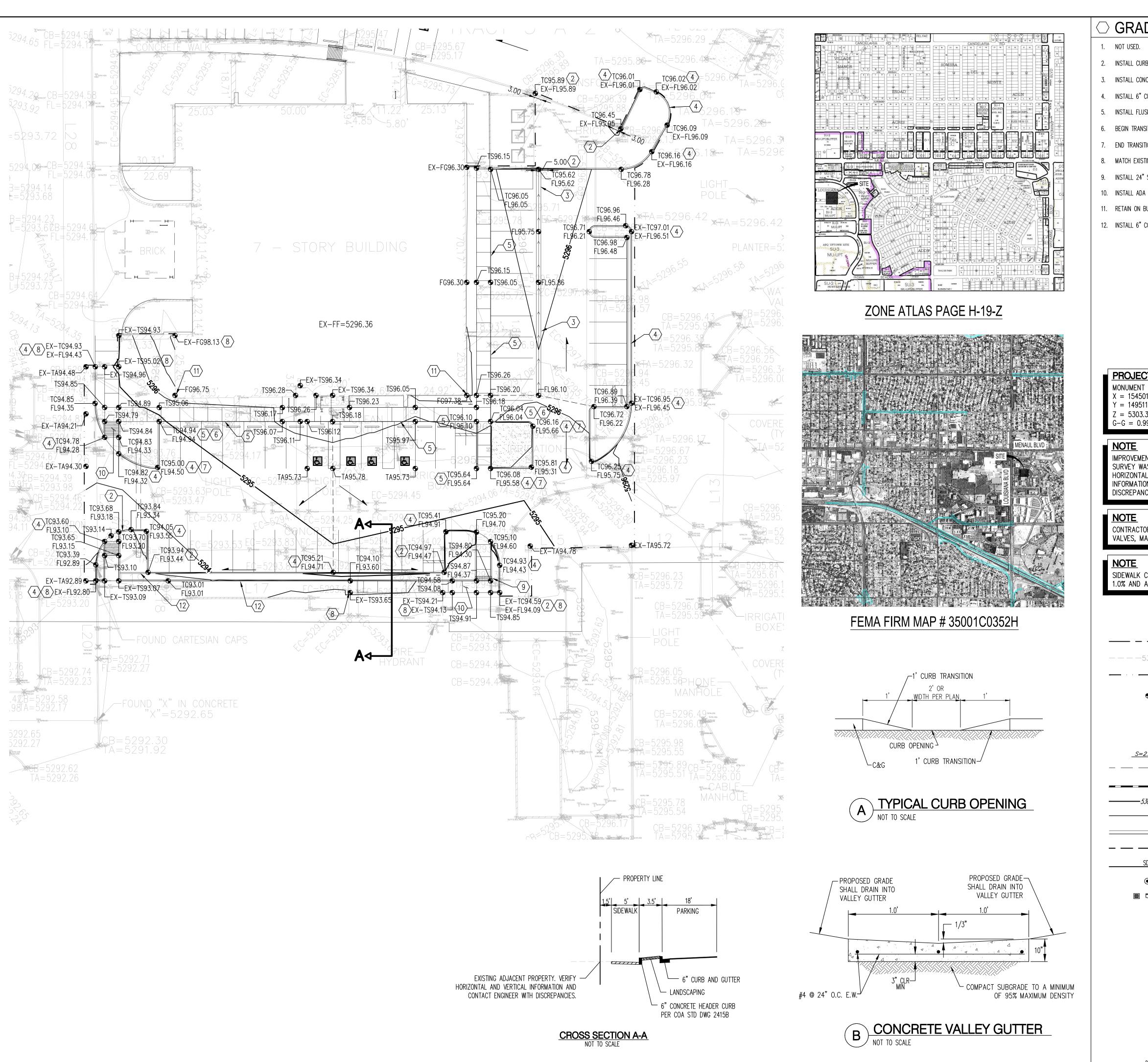
With this submittal, we are requesting City of Albuquerque Hydrology Paving & Grading Permit Approval. If you have any questions or require further information, please feel free to contact me.

Sincerely,

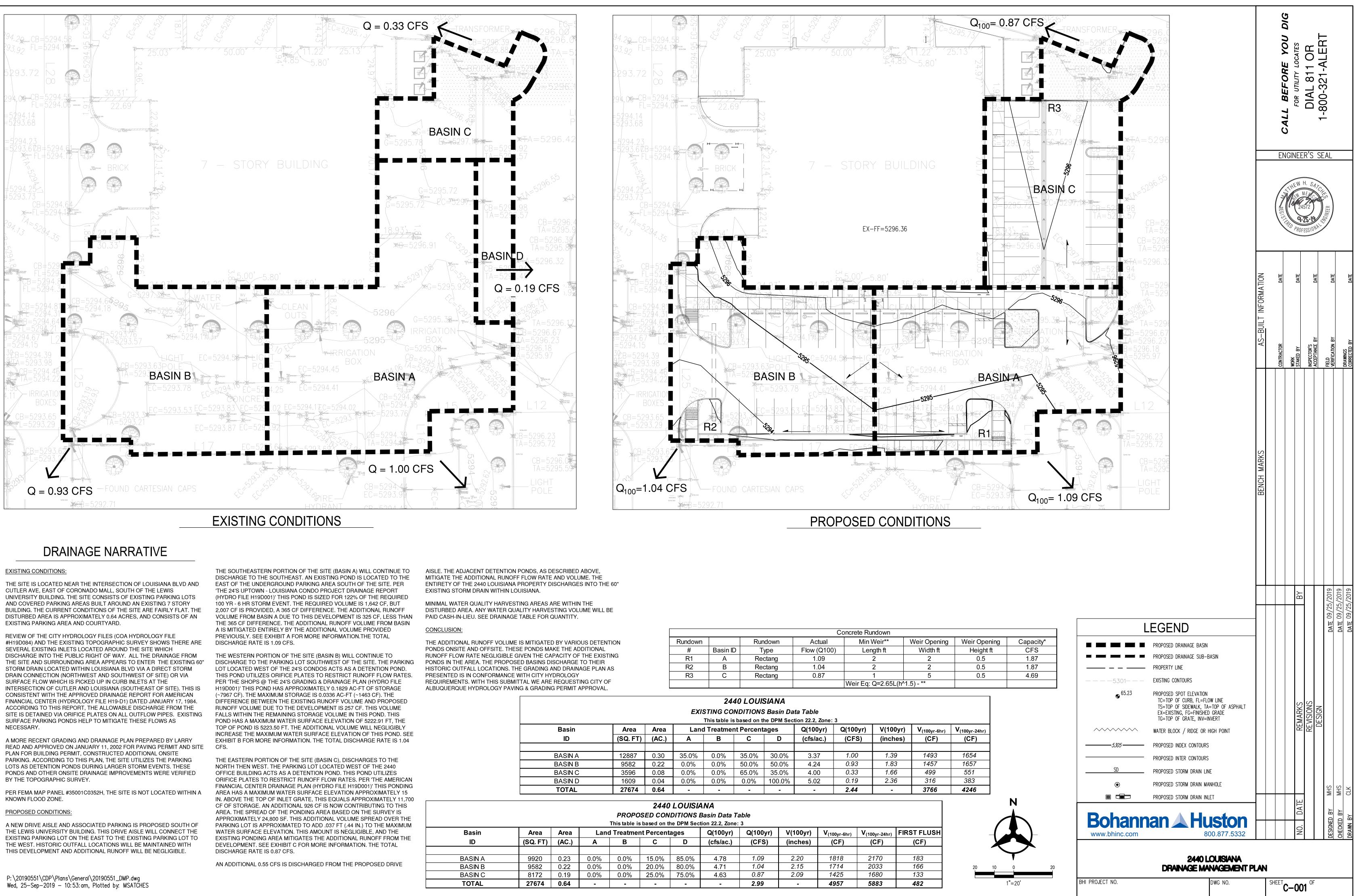
Marchan

Matt Satches, PE Engineer Community Development and Planning

MHS Enclosures



DING KEYED NOTES	GENERAL SHEET NOTES	Γ		5			
RB OPENING PER DETAIL "A" THIS SHEET.	A. 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 STANDARD SPECIFICATIONS SHALL APPLY.				E I I	Ц Т Ц	
NCRETE VALLEY GUTTER PER DETAIL "B" THIS SHEET. CURB AND GUTTER. ISH CURB.	B. 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.				8110	321-AL	
SITION FROM FLUSH CURB TO 6" CURB AND GUTTER. TION FROM FLUSH CURB TO 6" CURB AND GUTTER.	C. 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.			<b>1</b>	DIAL	1-800-5	
TING ELEVATIONS. SIDEWALK CULVERT PER COA STD DWG 2236.	D. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.			t S			
A RAMP. SEE ARCHITECTURE SITE PLAN FOR DETAILS. BUILDING. CONCRETE HEADER CURB PER COA STD DWG 2415B.	E. 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.		EN	IGINEE	R'S S	SEAL	
	F. 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.		REGISIE	PROF	572 25-19 ESSIONA	<sup>CMGINEER</sup>	
	G. 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.						
CT BENCHMARK	H. 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.	<b>INFORMATION</b>	DATE	DATE	DATE	DATE	
15_H18 NAD 1983 CENTRAL ZONE 019.848 111.771	I. 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.).	BUILT IN					
.391 (NAVD 1988) 999660624	J. 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.	AS-E	CONTRACTOR	D BY	INSPECTOR'S ACCEPTANCE BY	FIELD VEDICICATION DV	
ENTS HAVE BEEN MADE SINCE ORIGINAL AS COMPLETED. CONTRACTOR TO FIELD VERIFY AL AND VERTICAL EXISTING TOPOGRAPHIC	K. THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE BERNALILLO COUNTY, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.	$\left  \right $	CONTR	WORK STAKED	INSPEC	FIELD	DRAWINGS
ON AND INFORM ENGINEER WITH ANY ICIES.	L. 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.						
OR SHALL ADJUST ALL EXISTING & PROPOSED ANHOLES, ETC. TO FINISHED GRADE.	M. 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 EACH DAY.						
	N. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.	MARKS					
CROSS-SLOPES SHALL BE AT A MINIMUM OF A MAXIMUM OF 2.0%.	0. THE CONTRACTOR SHALL PROVIDE 1 HARD COPY AND 1 ELECTRONIC COPY OF THE EPA STORM WATER POLLUTION PREVENTION PLAN ALONG WITH THE APPROPRIATE SUBMITTAL FEE TO CITY OF ALBUQUERQUE TWO WEEKS PRIOR TO THE START OF SITE DISTURBANCE.	BENCH MA					
LEGEND	GRADING GENERAL NOTES						
PROPERTY LINE	P. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.						
- LIMITS OF GRADING	Q. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.						
● 65.23 PROPOSED SPOT ELEVATION TC=TOP OF CURB, FL=FLOW LINE TS=TOP OF SIDEWALK, TA=TOP OF ASPHALT EX=EXISTING, FG=FINISHED GRADE TG=TOP OF GRATE, INV=INVERT FGH=FINISHED GRADE HIGH	R. 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 SPECIFICATIONS (FIRST					/2019	19
2.0% PROPOSED DIRECTION OF FLOW	PRIORITY), AND/OR THE ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY). S. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS			BY		09/25/20	09/25/2019 09/25/2019
	<ul> <li>IT. 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.</li> </ul>					DATE C	DATE 0 DATE 0
305       PROPOSED INDEX CONTOURS         PROPOSED INTER CONTOURS	U. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT-OF-WAY.						
<ul> <li>PROPOSED CURB &amp; GUTTER</li> <li>EASEMENT</li> <li>PROPOSED STORM DRAIN LINE</li> <li>PROPOSED STORM DRAIN MANHOLE</li> </ul>	<ul> <li>V. A DISPOSAL SITE FOR ANY &amp; 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.</li> </ul>			EMARKS	REVISIONS		
PROPOSED STORM DRAIN INLET	<ul> <li>W. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.</li> <li>X. VERIFY ALL ELEVATIONS SHOWN ON PLAN FROM BASIS OF ELEVATION CONTROL STATION PRIOR TO BEGINNING CONSTRUCTION.</li> </ul>			R	R		
N		┥		DATE		BY MHS	BY MHS Y CLK
	Bohannan Huston www.bhinc.com 800.877.5332			NO.		DESIGNED	CHECKED E
20 10 0 20	2440 LOUISIANA GRADING PLAN					-	
1"=20'	BHI PROJECT NO. DWG NO.	$\neg$	SHEET	C-10	O <sup>OF</sup>		



			Co	oncrete Rundown	
Rundown		Rundown	Actual	Min Weir**	Weir Opening
#	Basin ID	Туре	Flow (Q100)	Length ft	Width ft
R1	A	Rectang	1.09	2	2
R2	В	Rectang	1.04	2	2
R3	С	Rectang	0.87	1	5
				Weir Eq: Q=2.65L(h	^1.5) - **

Basin	Area	Area	Land	d Treatme	nt Percent	ages	Q(100yr)	Q(100yr)	V(100yr)	V <sub>(100yr-6hr)</sub>
ID	(SQ. FT)	(AC.)	Α	В	С	D	(cfs/ac.)	(CFS)	(inches)	(CF)
BASIN A	12887	0.30	35.0%	0.0%	35.0%	30.0%	3.37	1.00	1.39	1493
BASIN B	9582	0.22	0.0%	0.0%	50.0%	50.0%	4.24	0.93	1.83	1457
BASIN C	3596	0.08	0.0%	0.0%	65.0%	35.0%	4.00	0.33	1.66	499
BASIN D	1609	0.04	0.0%	0.0%	0.0%	100.0%	5.02	0.19	2.36	316
ΤΟΤΑΙ	27674	0.64	_	_	_	_	_	2 11	_	3766

	2440 LOUISIANA											
	PROPOSED CONDITIONS Basin Data Table											
				This table is	sbased on t	ne DPM Sect	tion 22.2, Zone:	3				-
Basin	Area	Area	Land	d Treatmei	nt Percent	ages	Q(100yr)	Q(100yr)	V(100yr)	V <sub>(100yr-6hr)</sub>	<b>V</b> <sub>(100yr-24hr)</sub>	FIRST FLUSH
ID	(SQ. FT)	(AC.)	Α	В	С	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)
BASIN A	9920	0.23	0.0%	0.0%	15.0%	85.0%	4.78	1.09	2.20	1818	2170	183
BASIN B	9582	0.22	0.0%	0.0%	20.0%	80.0%	4.71	1.04	2.15	1714	2033	166
BASINC	8172	0.19	0.0%	0.0%	25.0%	75.0%	4.63	0.87	2.09	1425	1680	133
TOTAL	27674	0.64	-	-	-	-	-	2.99	-	4957	5883	482

#### **PROJECT DESCRIPTION**

1.

The 24's @ Uptown Project involves the renovation of an existing building, converting the upper level to six condominium units as well as the construction of an underground parking structure. The existing surface parking area will be modified to allow for a drive thru ATM machine and a ramp to the underground parking area. Refer to the google map for existing conditions view. The construction area will cover approximately .72 acres. The existing building-project site is roughly bounded by Louisiana Blvd. to the west, Prospect Place to the north and east and Cutler Avenue to the south.

## II. DESIGN CRITERIA AND PREVIOUS DEVELOPMENT

The design criteria used in this report was in accordance with Section 22.2 Hydrology of the Development Process Manual, Volume 2, Design Criteria, January 1993 edition. The 100-year 6-hour storm event was analyzed to determine street capacities and sizing of the storm drain outfall using P(1-hr)=2.05", P(6-hr)=2.42" and P(24-hr)=2.85". The onsite Land Treatment values used were determined by measuring the total impervious area.

## III. EXISTING DRAINAGE CONDITIONS

Under existing drainage conditions, the existing east parking lot runoff flows to an existing sump inlet near the entrance door on the east side of the building. This inlet drains to another connecting inlet on the south side of the building which connects to a series of inlets and underground storm pipe to the west. Runoff from the parking area and the landscape area generally flows south and west.

## IV. DEVELOPED DRAINAGE CONDITIONS

Under developed conditions, the modified parking area and landscape area will continue to flow in a general southerly direction and end up in the same existing inlet located on the south side of the building. Referring to the "Sub Basin Boundary Exhibit", Sub Basin A will flow into a depressed landscape area in Sub Basin B. This ponding area will have capacity to contain 122% of the 100 year 6 hour storm event. Sub Basins E and D will have depressed landscaped areas that will contain the 100 year runoff. Sub Basin D will spill into the parking area (Sub Basin C) and Sub Basin E will spill into the driveway through an opening in the curb as shown on the plan that will also end up in Sub Basin C. All runoff in Sub Basin C will be intercepted by a new inlet at the southwest corner of the parking lot. This inlet will connect to the existing underground storm pipe that ultimately connects to the existing inlet #2.

The only runoff in the underground parking garage will be the small amount that falls on the ramp or is on the cars when they drive down after a rain or snowfall. This runoff will be directed to the SW corner of the parking garage and then pumped to the surface through a 3" diameter pipe to a point near the existing southern inlet.

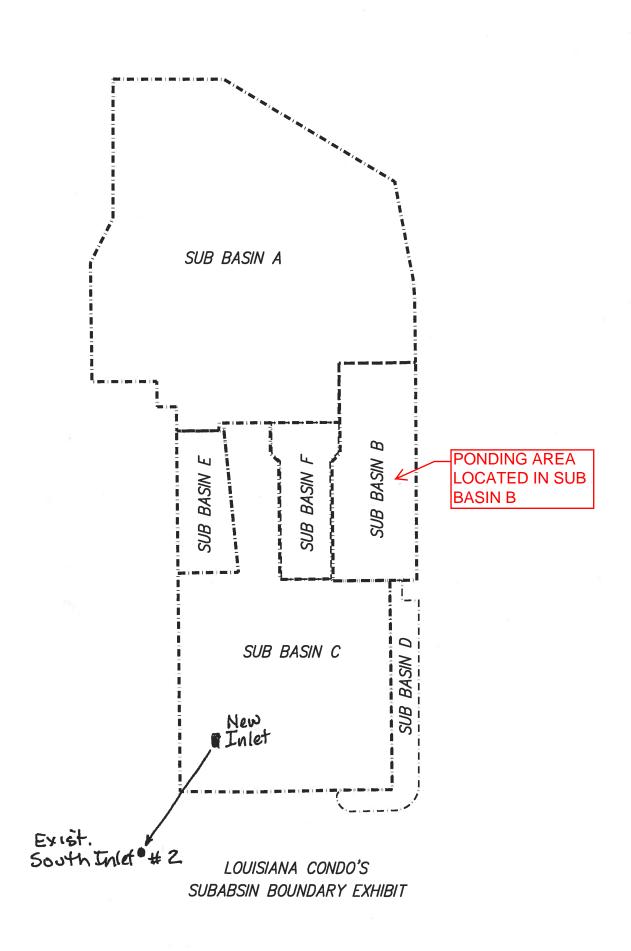


	TABLE 1									
				The	e 24's @ L	Jptown				
			Su	mmary c	of Hydrold	gy Paran	neters			
Sub					Land Tre	eatment		100	) YEAR-6 HO	UR
Basin	Area	Area	Area		Val	ues		Discharge	Volume	Volume
ID	sq.ft	acre	sq.mi.	А	В	С	D	cfs	Acre-Feet	Cu.Ft.
A	11,395.0	0.26	0.000409	0.0	55.0	0.0	45.0	1.01	0.033	1,446
B	2,259.0	0.05	0.000081	0.0	80.0	20.0	0.0	0.17	0.005	196
С	6,761.0	0.16	0.000243	0.0	0.0	0.0	100.0	0.78	0.028	1,224
D	901.0	0.02	0.000032	0.0	100.0	0.0	0.0	0.07	0.002	74
E	983.0	0.02	0.000035	0.0	50.0	0.0	50.0	0.10	0.003	131
								100	YEAR-24 HC	DUR
F	1,087.0	0.02	0.000039	0.0	0.0	0.0	100.0	0.13	0.005	235

			DESIGN	100 YEAR
LANDSCAPE ARE	AS	DEPTH	VOLUME	VOLUME
DEPRESSED AREA	В	24"	2007 CF	1642
DEPRESSED AREA	D	6"	270.5 CF	74
DEPRESSED AREA	E	6"	150.7 CF	131

## PRECIP VALUES

P(60)	2.05"
P(6)	2.42"
P(24)	2.85"

REVISED 8-30-16 DLH

# The Shops @ The 24s Supplemental Information

#### I. Project Description:

The Shops @ the 24s involves the construction of a new building in an existing parking lot. The building footprint is over an existing storm drain. The storm drain is to be reconstructed to the north and west of the building. The proposed impervious area to the existing is essentially the same. The area of construction is approximately 20085 SF (0.46 AC).

#### II. Design Criteria:

The design criteria used in this report is in accordance with Section 22.2, Hydrology of the Development Process Manual, Volume 2. The 100 year 6-hour storm event is analyzed with AHYMO to determine discharge into an existing storm drain system.

#### III. Drainage conditions:

Existing site runoff is not changed significantly from existing conditions to proposed. Discharge is reduced by the new inlets equipped with 6" orifice plates and detention of the 100 yr storm. The roof Basin 101 drains into parking lot Basin 100 to the new inlets for the combined flow to be limited to less than undeveloped discharge congruent with the intent of the original approved construction from the 1970's. The orifice plates are set at elevation 5222.13 and a discharge rating curve was assembled from elevation 5222.35 to 5223.50 with discharge points evaluated as the lesser value from the orifice equation and the weir equation. The **PARKING LOT** for two inlets as the orifice plates are set at the same elevation. This is an approxil point of the same elevation will fill to a higher

the same elevation. This is an approximation before the south orifice basis performation of the detention pond. Due to this reason, rain rain was reduced by the volume of first flush spread onto the total area contributing to the detention pond (area of basin 100 and 101).

#### IV. First flush

The new grades will capture first flush runoff from the new construction area and existing offsite paved area. First flush ponds 1+2 will capture from the east side of basin 100, first flush pond 3 will capture from a downspout from the building roof, and first flush pond 4 will capture from the south downspout from the roof. The required first flush volume generated by the new construction area is calculated at 362 cf (0.26" first flush depth). Collecting first flush from offsite areas is not required, however, because the offsite basins are available from existing elevations, offsite basin discharge is collected and credited towards the construction area required first flush volume. The first flush ponds #1 and #2 collect flow thru curb openings at upstream sides and release volume in excess of first flush thru downstream curb openings that are lower in elevation. First flush ponds #3 and #4 collect from sidewalk culvert inverts and release excess volume to the parking lot through curb openings.

BULKING FACTOR APPLIED TO HYDROGRAPH. FACTOR = 1.06000 AT PEAK FLOW.

PRINT HYD ID=2 CODE=1

PARTIAL HYDROGRAPH 101.00

RUNOFF VOLUME = 2.15739 INCHES = 0.0230 ACRE-FEET PEAK DISCHARGE RATE = 0.59 CFS AT 1.520 HOURS BASIN AREA = 0.0002 SQ. MI.

ADD HYD ID=3 HYD=201 I=1 I=2 PRINT HYD ID=3 CODE=1

#### PARTIAL HYDROGRAPH 201.00

RUNOFF VOLUME =	2.07479	INCHES	=	0.1416 A	CRE-FEET	
PEAK DISCHARGE RATE	-	3.63 CFS	AT	1.530 HOURS	BASIN AREA =	0.0013 SQ. MI.

\*sparking lot pond design with 100-yr developed flows to discharge orfices at El Route reservoir id=5 Hyd No=pond.ot inflow=3 code=24

			[	OUTFLOW (CFS) 0.84 1.23 1.55 1.76 2.00 2.21		0001	FT) 5222.35 222.55
* * * *	* * *	• • •	* * *	• • • •			
TIME	INFLOW	ELEV	VOLUME	OUTFLOW	$\langle \rangle$		
(HRS)	(CFS)	(FEET)	(AC-FT		$\setminus$		TORAGE
0.00	0.00	5221.92	-0.00	4 0.00		PROVIDE	
0.24	0.00	5222+35	0+00				
0.48	0.00	5222.35	0.00	0 0.84			
0.72	0.04	5222+35	0.00	0 0.84			
0,96	0.22	5222.35	0.00	0 0.84			
1.20	0.51	5222.35	0.00	0 0.84			
1.44	2.36	5222.58	0.00	4 1.27			
1.68	2.01	5222.91	0.03	3 1.67			
1.92	0.74	5222.86	0.02	5 1,61			
2.16	0.34	5222+61	0.00	5 1.30			
2.40	0.20	5222.35	0.00	0 0.84			
2.64	0.07	5222.35	0.00	0.84			

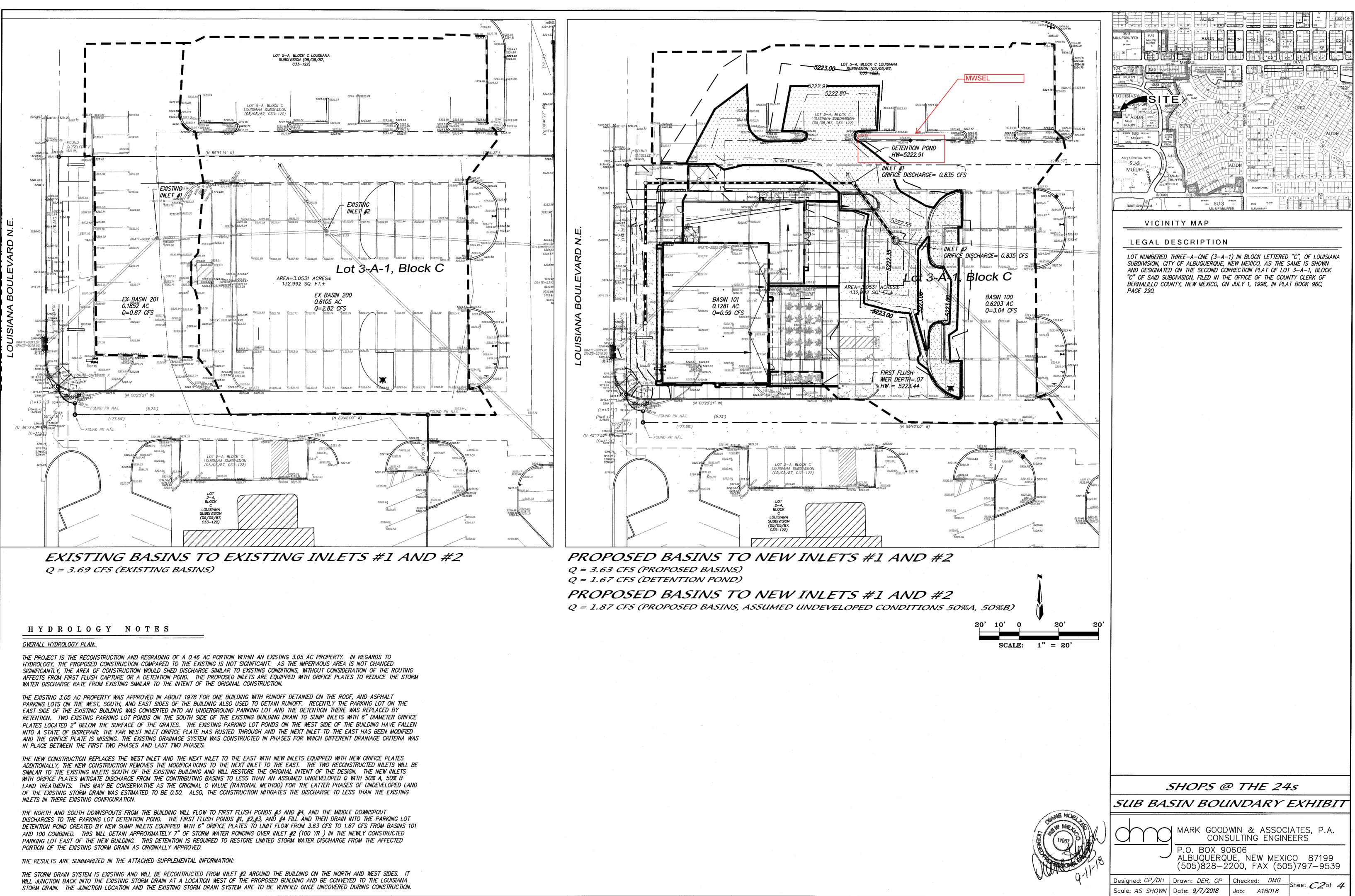
36.96	0,00	5222.35	0.000	0.84			
37.20	0.00	5222.35	0.000	0.84			
37.44	0.00	5222.35	0.000	0.84			
37.68	0.00	5222.35	0.000	0.84			
37.92	0.00	5222.35	0.000	0.84			
38.16	0.00	5222.35	0.000	0.84			
38.40	0.00	5222.35	0.000	0.84			
38.64	0.00	5222.35	0.000	0.84			
38.88	0.00	5222.35	0.000	0.84			
39.12	0.00	5222.35	0.000	0.84			
39.36	0.00	5222.35	0.000	0.84			
39.60	0.00	5222.35	0.000	0.84			
39.84	0.00	5222.35	0.000	0.84			
PEAK DISCHARC	GE =	1.669 CI	FS - PEAK OC	CURS AT HOUR	1.72		
MAXIMUM WATER	R SURFACE	ELEVATION	= 5222.	914			
MAXIMUM STORA	AGE =	0.0336	AC-FT	INCREMENTAL 1	CIME= 0.0100	000HRS	
PRINT HYD		:	ID=5 CODE 1			MWSEL &	
			HYD	ROGRAPH FROM	AREA POND.OT	STORAGE	

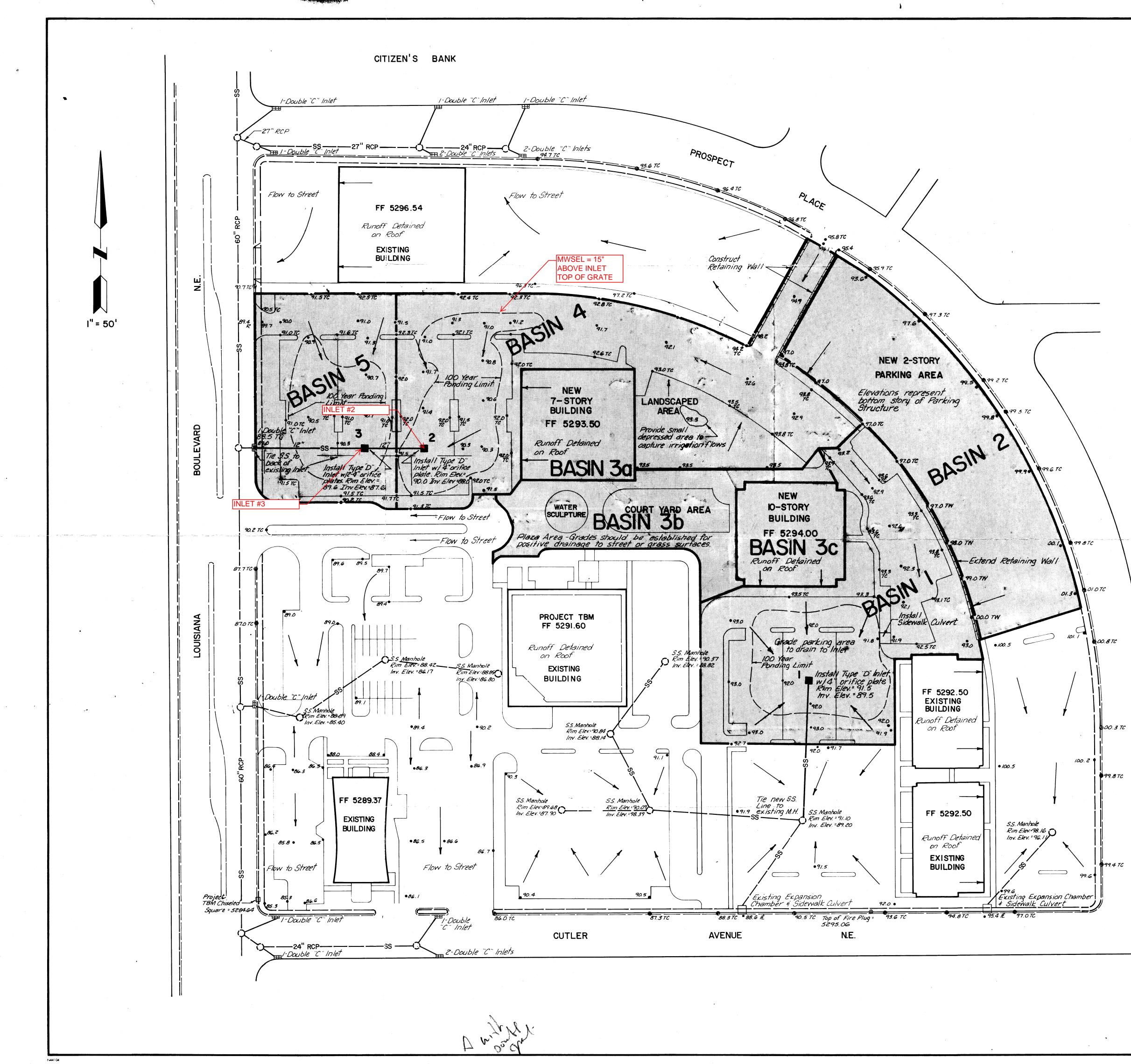
RUNOFF VOLUME = 41.35085 INCHES = 2.8229 ACRE-FEET PEAK DISCHARGE RATE = 1.67 CFS AT 1.720 HOURS BASIN AREA = 0.0013 SQ. MI.

RAINFALL

TYPE=1 0.0 1.84 2.38 2.77 DT=0.01

6-HOUR RAINFALL DIST. - BASED ON NOAA ATLAS 14 FOR CONVECTIVE AREAS (NM & AZ) - D1 6.000000 HOURS DT = 0.010000 HOURSEND TIME = 0.0000 0.0007 0.0014 0.0022 0.0029 0.0036 0.0043 0.0050 0.0057 0.0065 0.0073 0.0081 0.0089 0.0097 0.0105 0.0113 0.0121 0.0129 0.0138 0.0147 0.0155 0.0164 0.0173 0.0182 0.0191 0.0200 0.0210 0.0220 0.0230 0.0240 0.0250 0.0260 0.0270 0.0280 0.0298 0.0321 0.0343 0.0366 0.0388 0.0410 0.0433 0.0455 0.0479 0.0504 0.0529 0.0553 0.0578 0.0603 0.0628 0.0653 0.0678 0.0705 0.0733 0.0760 0.0787 0.0814 0.0841 0.0868 0.0895 0.0923 0.0951 0.0980 0.1008 0.1036 0.1065 0.1093 0.1121 0.1150 0.1180 0.1209 0.1239 0.1269 0.1298 0.1328 0.1358 0.1387 0.1420 0.1453 0.1486 0.1519 0.1552 0.1585 0.1617 0.1650 0.1686 0.1723 0.1760 0.1797 0.1834 0.1871 0.1908 0.1945 0.1987 0.2040 0.2093 0.2147 0.2200 0.2253 0.2306 0.2359 0.2413 0.2484 0.2555 0.2627 0.2698 0.2769 0.2841 0.2912 0.2983 0.3073 0.3173 0.3273 0.3373 0.3473 0.3572 0.3672 0.3772 0.3888 0.4038 0.4188 0.4338 0.4488 0.4637 0.4787 0.4937 0.5087 0.5346 0.5604 0.5863 0.6121 0.6380 0.6639 0.6897





# XHIBIT C LEGEND • 92.5 SPOT ELEVATION ------SS----- STORM DRAIN LINE STORM INLET RETAINING WALL NEW DEVELOPMENT BASIN BOUNDARY

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	Revision	PRC	OPOSED C	ONDIT	IONS	1992 - 199 1994 - 199 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19	
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	Вy		Checked By: <b>B.G.B</b>	Scale	50'		

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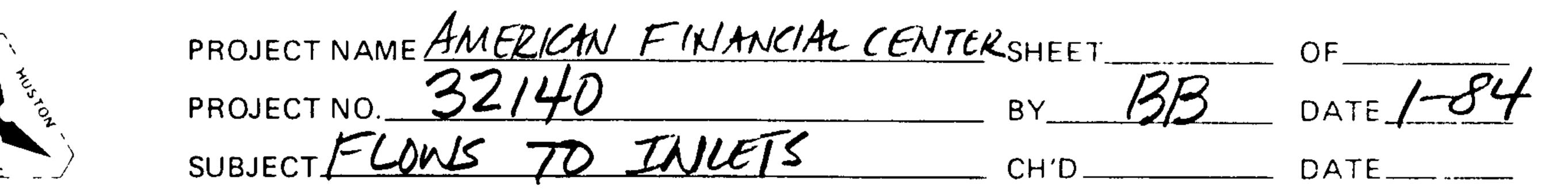
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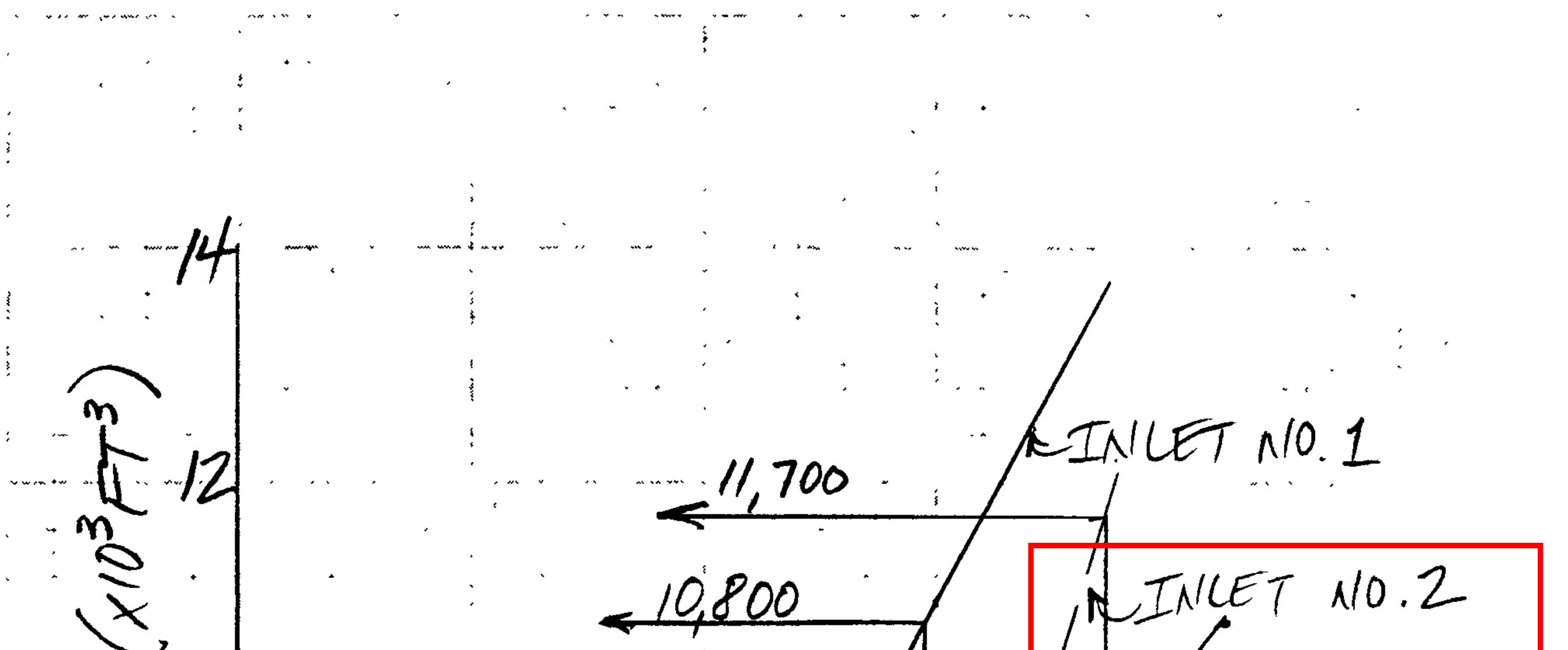
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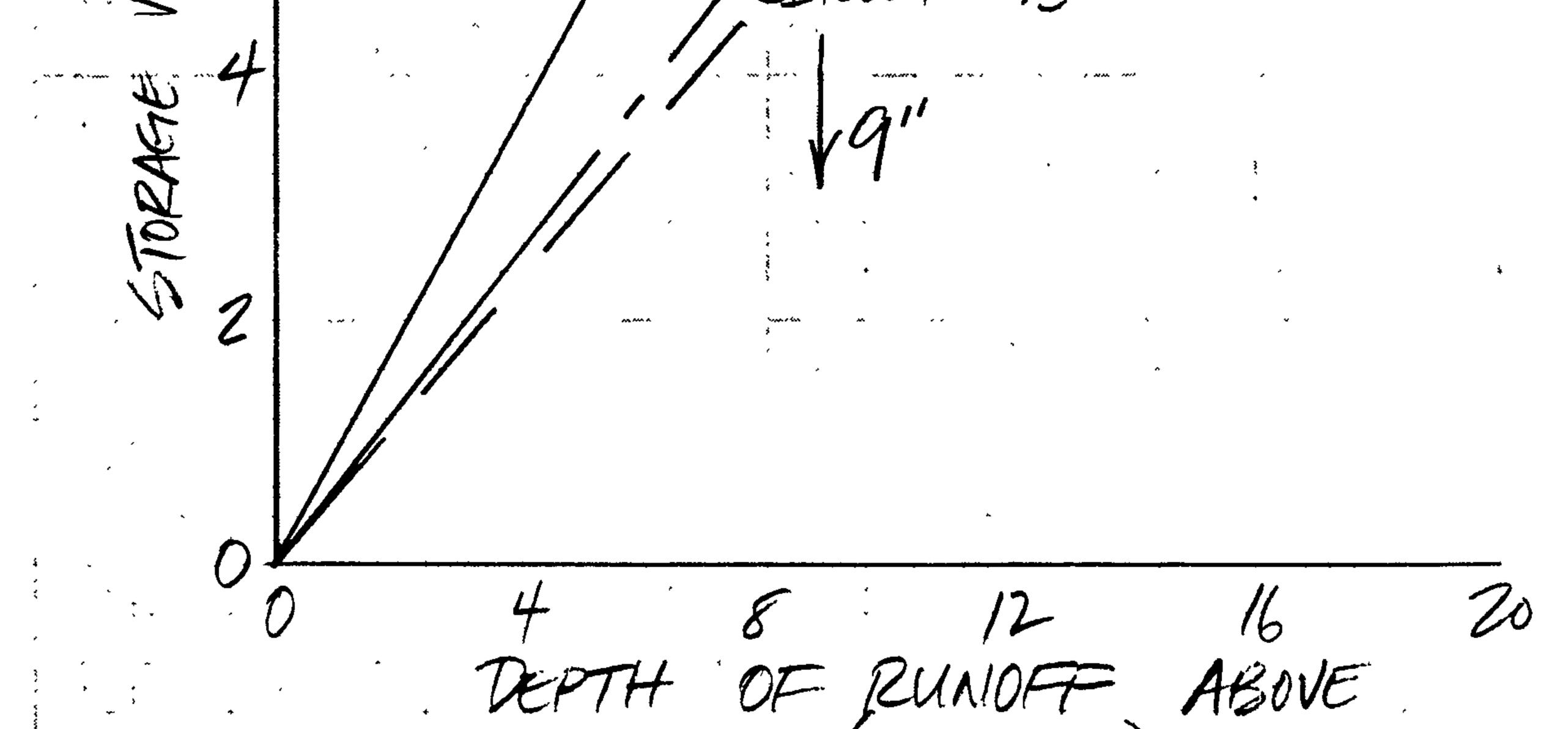


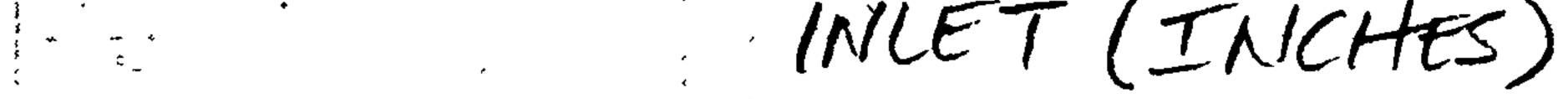
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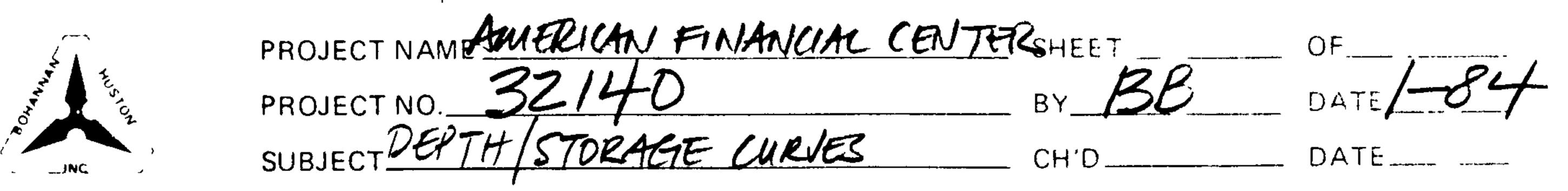
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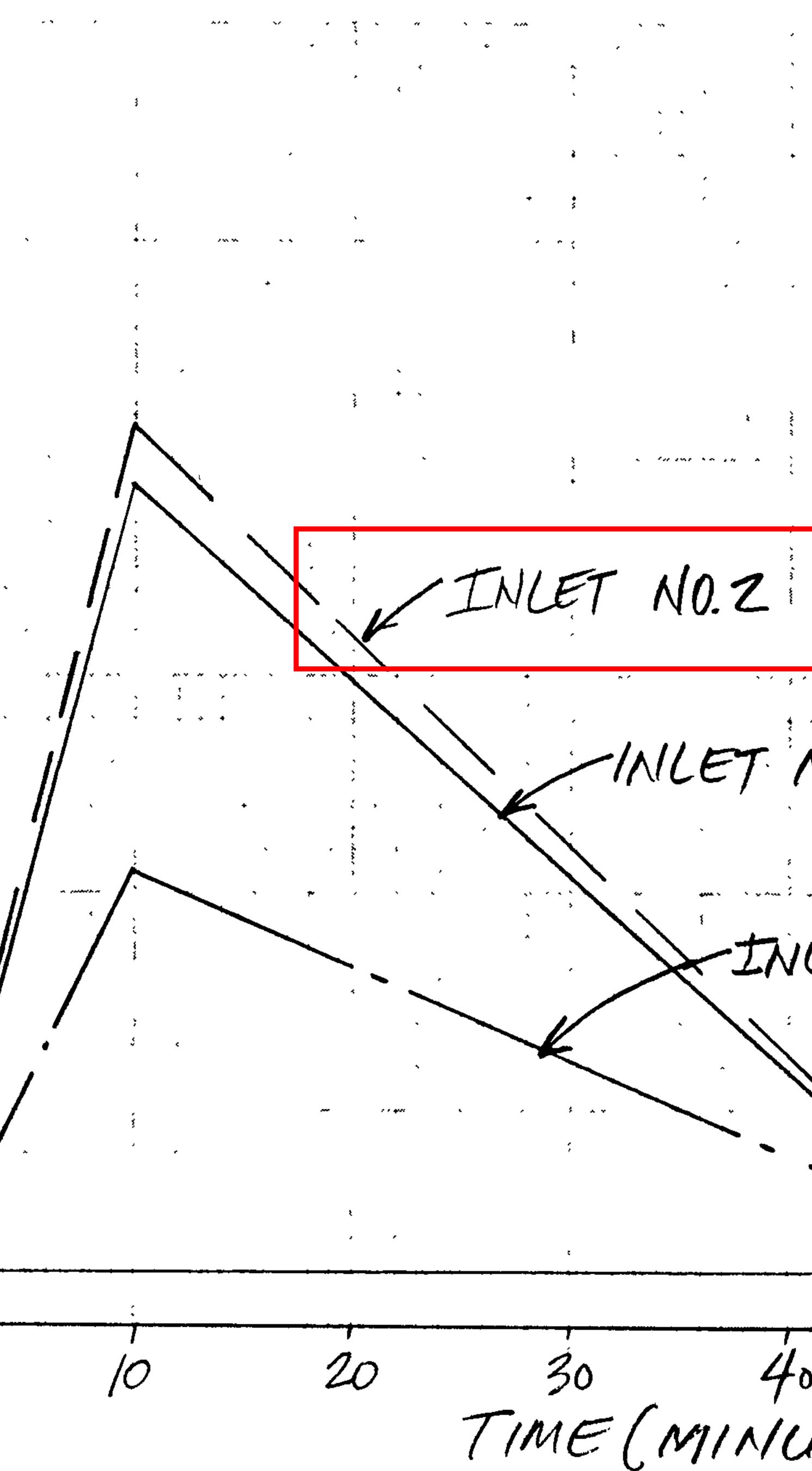




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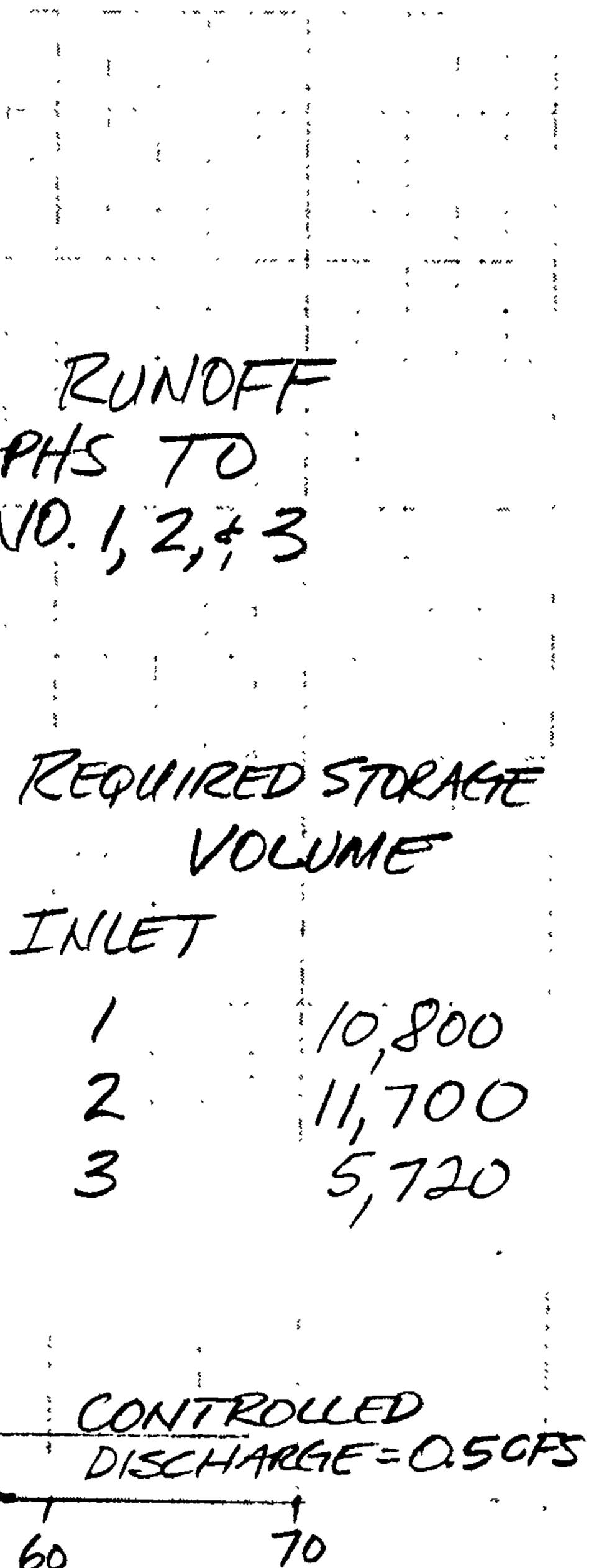


	EXHIBIT D
<ul> <li>Exceptions 9-16</li> <li>RESERVATIONS CONTAINED IN THE PATENT FROM UNITED STATES OF AMERICA, RECORDED IN BOOK 77, PAGE 91, RECORDS OF BEENVALLLO COUNTY, NEW MEXICO.</li> <li>LESEMENT GRANTED TO THE CITY OF ALBUOLEROUE, A MUNICIPAL CORPORATION BY INSTRUMENT RECORDS OF BEENVALLLO COUNTY, NEW MEXICO.</li> <li>LESEMENT OF ALBUERT PROPERTY</li> <li>LESEMENT OF ALBUERT RECORDS IN BOOK MISC. GES, PAGE 4 AS DOCUMENT CORRECTION TO EXEGUENT THERETO RECORDED IN BOOK MISC. GES, PAGE 4 AS DOCUMENT CORRECTION OF AFFECT SUBJECT PROPERTY</li> <li>UNDERGROWND EASEMENT GRANTED TO FUBLIC SERVICE COMPANY OF NEW MEXICO.</li> <li>UNDERGROWND EASEMENT GRANTED TO FUBLIC SERVICE COMPANY OF NEW MEXICO.</li> <li>AFECTS SUBJECT PROPERTY-SHOW HEREON AND THE MONITAINE STATES TLEFFHORE AND RELEASE OF EASEMENT INFERETO RECORDED IN BOOK MISC. 4747, PAGE 319 AS DOCUMENT NO. 08710585. RECORDS OF BERNALLUD COUNTY, NEW WEXCO.</li> <li>AFECTS SUBJECT PROPERTY-SHOW HEREON A BID AND MEXICO CORPORATION BY INSTRUMENT RECORDED IN BOOK MISC. 588, PAGE 116 AS DOCUMENT NO. 79 45207. RECORDED IN BOOK MISC. 772, PAGE 227 AS DOCUMENT NUMER 19872079866 AND DIFLEMENT FELEFONCE AND FLEGANCY OF NEW MEXICO. A NEW MEXICO CORPORATION BY INSTRUMENT RECORDED IN BOOK MISC. 752, PAGE 272 AS DOCUMENT NUMER 19872079866 AND DUTICA MI DEED RECORDED IN BOOK MISC. 752, PAGE 297 AS DOCUMENT NUMER 19872079866 AND DUTICA MI DEED RECORDED IN BOOK MISC. 752, PAGE 297 AS DOCUMENT NUMER 19872079866 AND DUTICA MI DEED RECORDED IN BOOK MISC. 752, PAGE 297 AS DOCUMENT NUMERE 19872079866 AND DUTICA MI DEED RECORDED IN BOOK MISC. 757, PAGE 987 ANY, DOCUMENT NO. 80 4520, RECORDES OF BEENVALULD COUNTY, NEW MEXICO. AFFECTS SUBJECT PROPERTY-SHOW HEREON AS EXAMINED TO SUBJECT RECORDED IN BOOK MISC. 577, PAGE 987 ANY, DOCUMENT NO. 82 554.94, FECTORES OF BEENVALUL COUNTY, NEW MEXICO. A REFECT SUBJECT PROPERTY-SHOW HEREON AS EXAMINED TO AND THE EXAMINED AND THE EXAMINED AND THE EXAMINED AND THE EXAMINED AND THE EXAMINED. DOCUMENT NO. 82 554.95, FAGE 2004 AND THE SERVICE COMPANY OF NEW M</li></ul>	Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal diagram     Image: Normal diagram     Image: Normal diagram     Image: Normal diagram       Image: Normal
<ol> <li>UNDERGEGUND EASELIATI GRANTED TO PUBLIC SERVICE COMPARY OF NEW MEXOC AN KEY ACUGAND CORPORATION WON THE MUNITAR SEARCE TELEFHORE AND PELESARY COMPARY, A COQUMENT, ON CORTAGAS AND WARES AND ENDER THE THORE OF DESIGNATION OF MEDIAL DOES NOT AFFECT SUBJECT PROPERTY-LANGUEST NUMBER 198708-258, RECORDS OF BERNALLIO COMPTY, NEW MEXOC.</li> <li>UNDERGEOUND EASELIATI GRANTED TO PUBLIC SERVICE COMPARY OF NEW MEXOC. A NEW MEXOCO CORPORATION AND THE MUNITAR STATES TELEFHORE AND POLICASING COMPANY, A DOCUMENT NO. 0873-588, AND WARES 1987073565, RECORDS OF BERNALLIO COMPTY, NEW MEXOC.</li> <li>UNDERGEOUND EASELIATI GRANTED TO PUBLIC SERVICE COMPARY OF NEW MEXOC. A NEW MEXOCO CORPORATION NEW NETWORK STATES TELEFHORE AND TELEGARPH COMPANY, A DOCUMENT NO. 0873-587, RECORDS OF BERNALLIO, CONTR, NEW MEXOC.</li> <li>UNDERGEOUND EASELIATI GRANTED TO PUBLIC SERVICE COMPANY OF NEW MEXOC. A NEW MEXOCO CORPORATION NEW NETWORK STATES TELEFHORE AND TELEGARPH COMPANY, A COLORADO CORPORATION NEW NETWORK STATES TELEFHORE AND TELEGARPH COMPANY, A COLORADO CORPORATION NEW NETWORK STATES TELEFHORE AND TELEGARPH COMPANY, A COLORADO CORPORATION NEW NETWORK STATES TELEFHORE AND TREE MEDICO.</li> <li>UNDERGENING EASELIATI GOANTED TO PUBLIC SERVE COMPANY OF NEW MEXICO.</li> <li>UNDERGENING EASELIATI COMPANY TO FUEL MEXICO.</li> <li>UNDERGENING EASELIATI COMPANY TO FUEL MEXICO.</li> <li>SCANT OF EASELIATI COMPANY TO REMAIN STATES TELEFHORE AND FIRE PROTECTION STATES SUBJECT PROPERTY-SHOWN HEREON AS []]</li> <li>RESTATED AGREEMENT FOR MANY STATES TELEFHORE AND FIRE PROTECTION STATES SUBJECT PROPERTY-SHOWN HEREON AS []]</li> <li>RESTATED AGREEMENT FOR MARKESS AND ECONODIN NO. 87114561, RECORDS OF BERNALLIO COMPTY, NEW MEXICO.</li> <li>RETERTS SUBJECT PROPERTY-SHOWN HEREON AS []]</li> <li>NITHES SUBJECT PROPERTY-SHOWN HEREON AS []]</li> <li>NITHES AGREEMENT AS ENDERDED IN BOOK MISC. STATE AD DOCUMENT NO. 59114503, RECORDS OF BERNALLIC COMPORATION HEREON AS []]</li> <li>NITHESE AGREEMENT</li></ol>	<ul> <li>Indexing Information</li> <li>Section 7. Tomoship 10 Institut, Range 4 East, Nu.F.M., Suddivison: Louision Subdivision</li> <li>Omer, RC 5 LUC (Treat 5-A-2) 1019050017030903 (Treat 5-A-2) 1019050017030903 (Treat 5-A-2) 1019050017030903 (Treat 5-A-2) 1019050017020908 (Treat 5-A-2)</li> <li>INDERGROUND EASENENT ORAVIED TO PUBLIC SERVEE COMPANY OF NEW MEXICO, AND THE MEXICO CORPORATION NO THE MOUNTAIN STATES TELEPHONE AND TELEGRAPH COMPANY, A CELORADO SERVET FROMENT OF NEW MEXICO, A NEW MEXICO CORPORATION NO THE MOUNTAIN STATES TELEPHONE AND TELEGRAPH COMPANY, A CELORADO SERVET FROMENT OF DEBUL SERVEE COMPANY OF NEW MEXICO, A NEW MEXICO CORPORATION BY INSTRUMENT RECORDED IN BOOK MISC, 447A, PAGE BIA &amp; DOCUMENT NC. 0871055, RECORDED IN BOOK MISC, 447A, PAGE BIA &amp; DOCUMENT NC. 0871055, RECORDED IN BOOK MISC, 447A, PAGE BIA &amp; DOCUMENT NC. 0871055, RECORDED IN BOOK MISC, 447A, PAGE BIA &amp; DOCUMENT NC. 0871055, RECORDED IN BOOK MISC, 447A, PAGE BIA &amp; DOCUMENT NC. 0871055, RECORDED IN BOOK MISC, 447A, PAGE BIA &amp; DOCUMENT NC. 0871055, RECORDED IN BOOK MISC, 447A, PAGE BIA &amp; DOCUMENT NC. 0871055, SIGARA DOCUMENT NO. 85 7071, RECORDE OF BERNALLIO COMPANY, A COLORADO CORPORATION BY INSTRUMENT RECORDED IN BOOK MISC, 447A, PAGE BOOK SNOT AFFECT SUBJECT PROPERTY</li> <li>NUBERGROUND EASENENT GRANTED TO FUBLIC SERVEE COMPANY OF NEW MEXICO. A NEW MEXICO CORPORATION BY INSTRUMENT RECORDED IN BOOK MISC, 447A, PAGE BOO AS DOCUMENT NO. 08712518, RECORDS OF BERNALLIO, COUNTY, NEW MEXICO. SOCOMPANY, A COLORADO CORPORATION BY INSTRUMENT RECORDED IN BOOK MISC, 447A, PAGE BOOK AS DOCUMENT NO. 08712519, RECORDS OF BERNALLIO, COUNTY, NEW MEXICO. DOES NOT AFFECT SUBJECT GRANTED TO THE MOUNTAIN STATES TELEPHONE AND TELEGRAPH COMPANY, A COLORADO CORPORATION BY INSTRUMENT RECORDED IN BOOK MISC, 449A, PAGE BOS AS DOCUMENT AN OLORY SUBJECT RADERTY</li> <li>RICHT-OF-WAY EASENENT GRANTED TO THE MOUNTAIN STATES TELEPHONE AND TELEGRAPH COMPANY, A COLORADO CORPORATION BY INSTRUMENT RECORDED IN BOOK MISC, 449A, PAGE BOS AS DOCUMENT AN OLORY MI</li></ul>
Surveyor's Certificate To: Uptown Tower LLC, a New Mexico limited liability company, BOAF NA do Bork of Albuquerque, AFC 5, LLC, a New Mexico limited liability compony. Fieldly National Title Insurance Company, Fieldly National Title of New Mexico Requirements for ATLA/NSPS Land Title Survey, binty established and dopted by ALTA and NSP5, and includes itemes, Johnty established and dopted by ALTA and NSP5, and includes itemes, Johnty established Requirements for ATLA/NSPS Land Title Survey, Distry established and NSP5, and includes itemes, Johnty established and the Field Wark was completed on Janoury 22, 2019. NM R.P.S. No. 14271 NM R.P.S. No. 14271 NM R.P.S. No. 14271, do hereby certify that this based were parformed by me or under my direct supervision standards for surveying in the Mexico. Inder my direct subsistion est and that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that this instrument is a boundary survey plot of an esting tract or a that the RES NANCHO, N.M. BYTH Phone (SO) 886-3050 Fax (SOS) 891-024 wplotnerin@gmall.com	Boundary Survey and ALTA/NSPS Land Title Survey for Tracts 5-A-1, 5-A-2 and 4-A Block "C" Louisiana Subdivision City of Albuquerque Bernalillo County, New Mexico January 2019 Record and Measured Legal Description UTS 5-A-1 AND 5-A-2. BLOCK "C". LOUISIAM SERV SUBANSION, CIT' OF ALBOUGHOULT, NEW MEXICO January 2019 Record and Measured Legal Description COMPRESS of UTS 5-A-1 AND 5-A-2. BLOCK "C". LOUISIAM SERV SUBANSION, CIT' OF ALBOUGHOULT, NEW MEXICO SUBANSION, CIT' OF ALBOUGHOULT, NEW MEXICO SUBANSION, CIT' OF ALBOUGHOULT, NEW MEXICO ON NOVEMBER 3, 2016 N MAP BOCK 7. LOUISIAM SUBDUSION (CT 1-A-7) AS THE SAME IS SUBANSION CLERK OF BEINALLIG COUNTY, NEW MEXICO ON NOVEMBER 3, 2016 N MAP BOCK 7. LOUISIAM SUBDISION (CT 1-A-7) AS THE SAME IS SUBAN AND DESIGNATED ON THE REPLAT RECORDED MAY 5, 1987 IN MAP C3. FOLIO 122, RECORDS OF BERNALLILD COUNTY, NEW MEXICO.

ELECTRIC METER	PULL BOX	TRANSFORMER	BOLLARD	ZZZ BLOCK WALL	HAND RAIL	BRICK		OPK SET PK NAIL "LS 14271" ©	FOUND CHISELED "X"	FOUND 5/8" REBAR	1271*	N 90'00' E MEASURED BEARINGS AND DISTANCES EC	Legend		AND ANDME ON THE FLOOD INSURANCE RATE WAT DA	BASED UPON SCALING, IHIS PROPERTY LIES WITHN FLOD ZONE X WHICH IS DEFINED AS AN AREA OUTSIDE THE 0.2% ANNUAL CHANCE FLODODLAIN. AS DETERMINED BY F.E.M.A. AND SHOWN ON THE FLOOD INSUBANCE BATE AND ATED AUGUST 16 2020 MAR NO	Flood Notes	3. PLAT OF LOUISLAVA SUBDIVISION FILED IN THE BER ON MAY 5, 1987 IN MAP C33, FOLIO 122.	3, 2016, IN MAP BOOK 2016C, FOLIO 137.	2. PLAT OF RECORD FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE ON	1. TITLE COMMITMENT PROVIDED BY FIDELITY NATIONAL		NOT SURVEY RELATED	HEREIN PROHIBITS THE ARBITRATION OF ALL ARBITRABI	NOT SURVEY RELATED IN COMPLIANCE WITH SUBSECTION D OF 13.14.18.10 N RIGHT TO DEMAND ARBURATION PURSUANT TO THE 1 RIGHT TO DEMAND ARBURATION PURSUANT TO THE 1	NOT SURVEY RELATED	32 RIGHTS OF TENANTS OF OCCUPANTS UNDER LEASES S	95C, PAGE 48, IN PLAT BOOK 95C, PAGE 444; IN PLAT BOOK 2002C, PAGE 92 AND IN PLAT BOOK 2016C, PAGE 137, RECORDS OF BEENALLY COUNTY, LAW MEXICO FOR ACECTOR SUB ECT BOOCEPT- CHANNEL AND ACT COUNTY, AND FOR	THE PLATS OF LOUISIANA SUBDIVISION RECORDED IN P C23, PAGE 46; IN PLAT BOOK C33, PAGE 122; IN PLA	(31) EASEMENTS, RESTRICTIONS, NOTES AND OTHER MATTER	OF BERNALLIC COUNTY IN UNDER STATE OF BERNALLIC COUNTY, NEW MEXICO. DOES NOT AFFECT SUBJECT PROPERTY	Exceptions 30-34 30 UNDERGROUND EASEMENT GRANTED TO PUBLIC SERVICE COMPANY OF NEW MEXICO, A NEW MEXICO CORPORATION AND U.S. WEST COMMUNICATIONS, INC., A COURADO CORPORATION REV NETRIMENT BEFOREFIL IN COMPA STATE OF TALE
	STORM DRAIN MANHOLE		SANITARY SEWER MANHOLE		WATER METER	WATER VALVE	TELEPHONE CABINET		TRAFFIC MAST	SIGNAL BOX					IEU AUGUSI ID, ZVIZ, MAP NU.	LAIN. AS DETERMINED BY F.E.M.A.		BERNALILLO COUNTY CLERK'S OFFICE		0	- TITLE, HAVING FILE NO.			ARBURATION ASSOCIATION, NOTHING LE MATTERS WHEN AGREED TO BY BOTH	AC, THE COMPANY HEREBY WAIVES ITS	EXISTING LIENS BY THE PUBLIC RECORDS	UBIFASES OF RENTAL AGREEMENTS	AT BOOK 2002C, PAGE 92 AND IN PLAT	LAT BOOK C39, PAGE 40; IN PLAT BOOK	RS AS SHOWN AND/OR PROVIDED FOR ON	AD DUCUMENT NO. BOUBUBOD, RECORDS	E COMPANY OF NEW MEXICO, A NEW
	ENVELOPES AND CONCRETE CURBED AREAS (11/3/2016, 2016C-137)	31) 26 CROSS LOT DRAINAGE EASEMENT ACROSS TRACT 5-A-1, 5-A-2, 6-A-1-C-1-A AND 6-A-1-C-1-B, EXCLUDING BUILDING	25 INTENTIONALLY OMITTED	(3) 24 27.5' PRIVATE INGRESS EGRESS EASEMENT (11/3/2016, 2016C-137)	AS Solo	(14) 23 EXISTING PNM & MST&T UNDERGROUND EASEMENT (2/12/1980, BK. MISC, 752, PG, 527, DOC, NO. 8014310) SHOWN HEREON	ENERTING ALL OF LOT 4-A, A PERPETUAL NGKESS/EGRESS EASEMENT BENEFITING LOTS 3-A AND 5-A (11/9/1987, BK. MISC. 555-A, PG. 322,			3) 20 EXISTING PRIVATE DRAINAGE EASEMENT (2/9/1984, C23-46)	19 INTENTIONALLY OMITTED	PNM AND MST&T (7/21/1987, BK. MISC. 512A, PG 8775968)	23)18 EXISTING 31.30' X 15.30' UNDERGROUND EASEMENT FOR	16 INTENTIONALLY OMITTED	(9)[15] EXISTING 10' UNDERGROUND EASEMENT FOR PNM AND MST&T (2/2/1987, BK. MISC. 447A, PG. 820, DOC. NO. 8710556)	14 INTENTIONALLY OMITTED	(1) [13] EXISTING 10' PNM AND MST&T UNDERGROUND EASEMENT (3/26/1979, BK. MISC. 678, PG. 119, DOC. NO. 7921330)	(1) [1] REMAINING PORTION OF AN EXISTING 10' PMM AND MSTRE' UNDERGOUND EASEMENT (3/26/1979, BK. MISC. 678, FG. 119, DOC. NO. 7921330) RETAINED BY PMM AFTER RELEASE (2/2/1987, BK. MISC. 447-A, PG 819, DOC. NO. 8710555) SHOWN HEREON AS [100]	12	(3)[11] EXISTING INGRESS EGRESS EASEMENT (12/13/1995, 95C-444) (5/5/1987, C33-122) SHOWN HEREON AS (22)	(E)[0] EXISTING 10' UNDERGROUND PNM & MST&T EASEMENT (7/3/1985, BK. MISC. 245A-929, DOC. NO. 8553921) SHOWN HEREON AS [++]	9 INTENTIONALLY OMITTED	8 INTENTIONALLY OMITTED	7 INTENTIONALLY OMITTED	(7)[6] EXISTING 10 UNDERGROUND UTILITY EXSEMENT FOR MST&T (7/3/1985, BK. MISC. 245A, BK. 930, DOC. NO. 8553922) RELEASED BY PNM (2/2/1987, BK. MISC. 447A, PG. 818, DOC. NO. 8710554)	U	(11/2/1982, BK. MISC. 969, PG. 65, DOC. NO. 8257409)	EXISTING 10		JUJ7, 1 0.	26 1 EXISTING 25' SANITARY SEWER, WATER MAIN & FIRE PROTECTION SYSTEMS EASEMENT (11/9/1987 MISC. BK. 5554 PG. 319 DOC. 87114660)	Easement Notes

	(11/23/2016, 2016C-127)	4. THE BEARINGS AND DISTANCES MATCH THE PLAT OF RECORD AS SHOWN HEREON	83– GRID).	J. THE BASIS OF BEARINGS REFERENCES NEW		2019. 2. ALL DISTANCES ARE GROUND DISTANCES:		1 FIFID SURVEY PERFORMED IN APRIL MAY	Notes	Louisiana Subdivision City of Albuquerque Bernalillo County, New Mexico January 2019	Dlaol-	Tracts 5-A-1, 5-A-2 and 4-A	ALTA/NSPS Land Title Survey	Boundary Survey
50	٢7	16	5	4	1.3	5	5	Line #		1bd quer 7, Nev 2015		-A-2	dT	Su
N 04'28'33" W	N 00'02'13" W	S 00'30'40" E	S 89'45'03" W	N 0074'57" W	S 00"18"47" E	S 89'25'13" W	S 00"38"51" W	Direction	Line Table	ivision <sup>que</sup> <sup>w</sup> Mexico		and 4	itle Su	rvey
2.13	39.21	57.13'	29.93'	5.28'	20.58	82.58'	56.33'	Length (ft)				I-A	rvey	

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MAY	Line #	Line Table Direction	Length
JANUARY	5	S 00"38"51" W	56.33
ANDES	12	S 89'25'13" W	82.58
C L L	٢3	S 00"18"47" E	20.58
CES NEW	4	N 0074*57" W	5.28'
C (MAD	5	S 89'45'03" W	29.93
ATCH THE	16	S 00'30'40" E	57.13'
	۲٦	N 00'02'13" W	39.21
	58	N 04'28'33" W	2.13
	6٦	N 04"28"33" W	57.96'
	L10	N 04.28.33" W	60.09
	L11	N 00'29'45" W	50.27
	L12	X 89'50'09" W	13.75'
	L13	N 89*47*53" E	81.28
	L14	N 04"28"33" W	6.25
	L15	N 33"49"18" E	13.85'
	L16	N 0071'24" W	95.90
	L17	N 02709'04" W	38.44
	L18	N 10"22"27" W	575.83'

			Curve Table		
Curve #	Length	Rodius	Delto	Chord Length	Chord Direction
Ω	382.76'	489.89'	44'45'57"	373.09"	N 67'46'22" W
C2	112.68'	489.89'	13'10'44"	112.43	N 38'53'44" W
C3	36.78	23.42	89.28,36	33.11	S 44*57*05" W
C4	16.11'	32.94"	28'00'41"	15.95'	S 76'09'31" E
6	17.56'	35.88'	28.02,55.	17.39'	N 76"10"22" W
C6	11.22'	13.59"	4779'49"	10.91	N 28'45'40" W
C7	10.54'	22.53'	26.47.47.	10.44	S 39'15'41" E
C8	8.85'	8.50*	59"41"06"	8.46'	S 03'58'45" W
60	5.11'	8.60'	34'00'42"	5.03'	N 16'48'57" E
C10	6.69'	8.60*	44.32.19	6.52'	N 22"27"34" W
C11	13.86	50.04'	15'52'26"	13.82'	S 36'47'30" E
C12	4.86'	6.15	45'18'28"	4.74	S 06'12'03" E
C13	14.18	12.43	65"22"24"	13.43	S 48.41'39" W
C14	10.79'	7.50"	82"24'45"	9.88'	N 38'58'18" E
C15	25.90'	18.42	80"34"26"	23.82'	S 53'38'31" E

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P.O.	S
P.O. BOX 44414	CSI-CART
RIO R	TESIAN
RANCHO.	ANS
NM	V SUR I
87174	VEYS INC
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P.O. BOX 44414 RIO RANCHO, N.M. 8/1/4 Phone (505) 896 - 3050 Fax (505) 891 - 0244 wplotnerjr@gmail.com

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