

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

August 26, 2022

Matt Satches, P.E.
Bohannon Huston, Inc.
7500 Jefferson St NE
Albuquerque, NM 87109

**RE: PresNOW – Menaul
7400 Menaul Blvd NE
Grading & Drainage Plans
Engineer's Stamp Date: 07/12/22
Hydrology File: H19D055B**

Dear Mr. Satches:

PO Box 1293

Albuquerque

Based upon the information provided in your submittal received 08/05/2022, the Grading & Drainage Plans are approved for Building Permit and Work Order. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter. Also, please place this stamp approved Grading & Drainage Plan into the Work Order set of construction drawings.

NM 87103

PRIOR TO CERTIFICATE OF OCCUPANCY:

www.cabq.gov

1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
2. Please pay the Payment-in-Lieu of \$ **10,664.00** by emailing the attached approved Waiver Application from Stormwater Quality Volume Management On-site to PLNDRS@cabq.gov. Once this is received, a receipt will then produce and email back with instructions on how to pay online. Once paid, please email me proof of payment.

As a reminder, if the project total area of disturbance (including the staging area and any work within the adjacent Right-of-Way) is 1 acre or more, then an Erosion and Sediment Control (ESC) Plan and Owner's certified Notice of Intent (NOI) is required to be submitted to the Stormwater Quality Engineer (Doug Hughes, PE, jhughes@cabq.gov, 924-3420) 14 days prior to any earth disturbance.

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Director



Mayor Timothy M. Keller

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov .

Sincerely,

Renée C. Brissette

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2018)

Project Title: _____ **Building Permit #:** _____ **Hydrology File #:** _____

DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **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/ TRANSPORTATION _____ HYDROLOGY/ DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- _____ ENGINEER/ARCHITECT CERTIFICATION
- _____ PAD CERTIFICATION
- _____ CONCEPTUAL G & D PLAN
- _____ GRADING PLAN
- _____ DRAINAGE MASTER PLAN
- _____ DRAINAGE REPORT
- _____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
- _____ ELEVATION CERTIFICATE
- _____ CLOMR/LOMR
- _____ TRAFFIC CIRCULATION LAYOUT (TCL)
- _____ TRAFFIC IMPACT STUDY (TIS)
- _____ OTHER (SPECIFY) _____
- _____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- _____ BUILDING PERMIT APPROVAL
- _____ CERTIFICATE OF OCCUPANCY
- _____ PRELIMINARY PLAT APPROVAL
- _____ SITE PLAN FOR SUB'D APPROVAL
- _____ SITE PLAN FOR BLDG. PERMIT APPROVAL
- _____ FINAL PLAT APPROVAL
- _____ SIA/ RELEASE OF FINANCIAL GUARANTEE
- _____ FOUNDATION PERMIT APPROVAL
- _____ GRADING PERMIT APPROVAL
- _____ SO-19 APPROVAL
- _____ PAVING PERMIT APPROVAL
- _____ GRADING/ PAD CERTIFICATION
- _____ WORK ORDER APPROVAL
- _____ CLOMR/LOMR
- _____ FLOODPLAIN DEVELOPMENT PERMIT
- _____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

**CITY OF ALBUQUERQUE
PLANNING DEPARTMENT
HYDROLOGY DEVELOPMENT SECTION**

**WAIVER APPLICATION FROM STORMWATER
QUALITY VOLUME MANAGEMENT ON-SITE**

GENERAL INFORMATION

APPLICANT: _____ DATE: _____

DEVELOPMENT: _____

LOCATION: _____

STORMWATER QUALITY POND VOLUME

Per the DPM Article 6-12 - Stormwater Quality and Low-Impact Development, the calculated sizing for required Stormwater Quality Pond volume is equal to the impervious area draining to the BMP multiplied by 0.42 inches for new development sites and by 0.26 inches for redevelopment sites.

The required volume is _____ cubic feet

The provided volume is _____ cubic feet

The deficient volume is _____ cubic feet

WAIVER JUSTIFICATION

Per the DPM Article 6-12(C), private off-site mitigation and payment-in-lieu may only be considered if management on-site is waived in accordance with the following criteria and procedures.

1. Management on-site shall be waived by the City Engineer if the following conditions are met:

- a. Stormwater quality can be effectively controlled through private off-site mitigation or through an arrangement (approved by the City) to use a cooperator's existing regional stormwater management infrastructure or facilities that are available to control stormwater quality.
 - b. Any of the following conditions apply:
 - i. The lot is too small to accommodate management on site while also accommodating the full plan of development.
 - ii. The soil is not stable as demonstrated by a geotechnical report certified by a professional engineer licensed in the State of New Mexico.
 - iii. The site use is inconsistent with the capture and reuse of stormwater.
 - iv. Other physical conditions exist where compliance with on-site stormwater quality control leaves insufficient area.
 - v. Public or private off-site facilities provide an opportunity to effectively accomplish the mitigation requirements of the Drainage Ordinance (Part 14-5-2 ROA 1994) as demonstrated on as-built construction drawings and an approved drainage report.
 - vi. The developer constructs a project to replenish regional groundwater supplies at an off-site location.
 - vii. A waiver to State water law or acquisition of water rights would be required in order to implement management on site.
2. The basis for requesting payment-in-lieu or private off-site mitigation is to be clearly demonstrated on the drainage plan.

This project's justification: _____

Professional Engineer or Architect

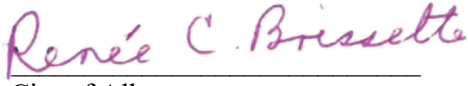
PAYMENT-IN-LIEU

Per the DPM Article 6-12(C)(1), the amount of payment-in-lieu is deficient volume (cubic feet) times \$6 per cubic feet for detached single-family residential projects or \$8 per cubic feet for all other projects.

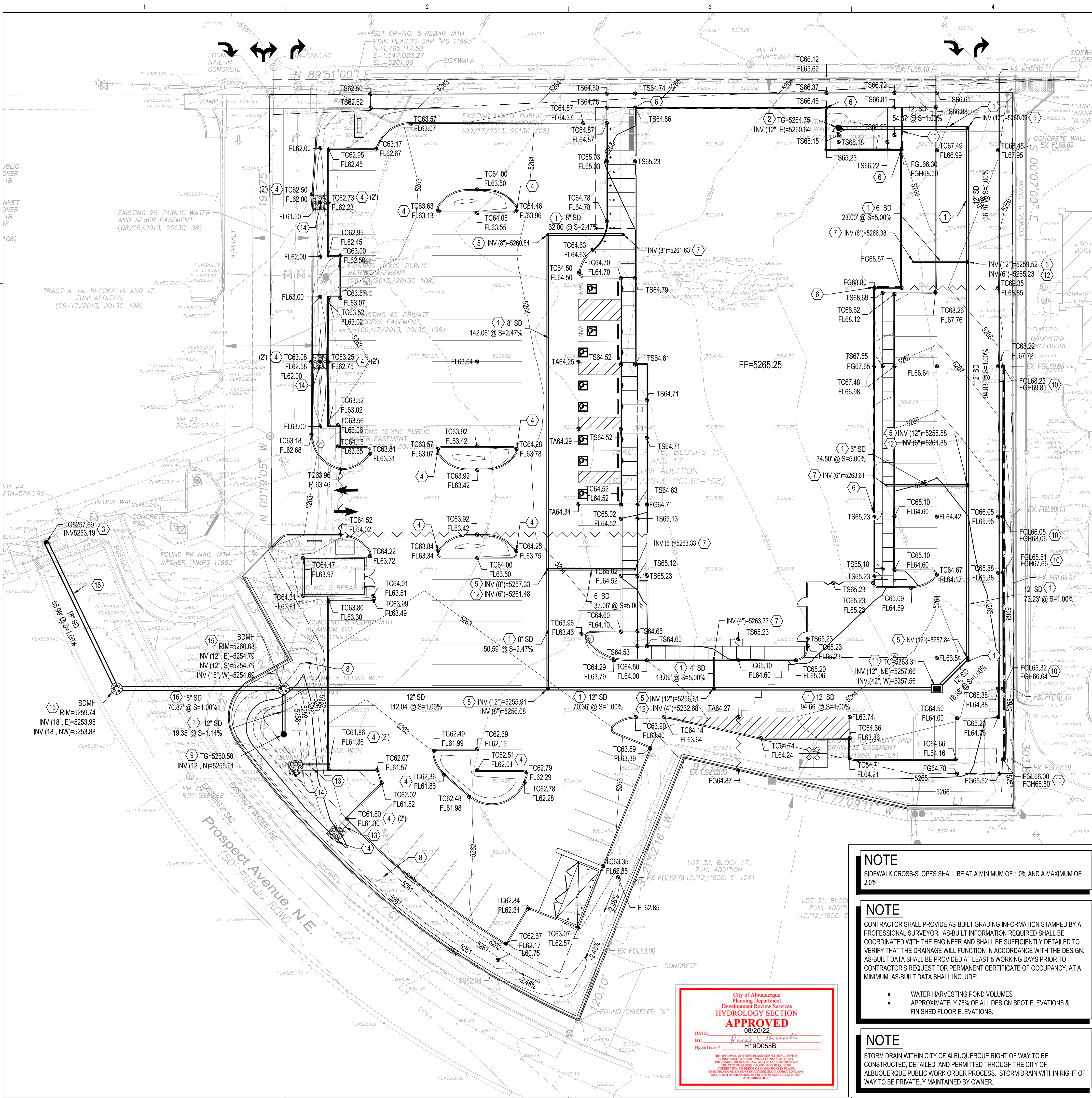
AMOUNT OF PAYMENT-IN-LIEU = \$ _____

THIS SECTION IS FOR CITY USE ONLY

- ☐ Waiver is approved. The amount of payment-in-lieu from above must be paid prior to Certificate of Occupancy.
- ☐ Waiver is DENIED.



City of Albuquerque
Hydrology Section

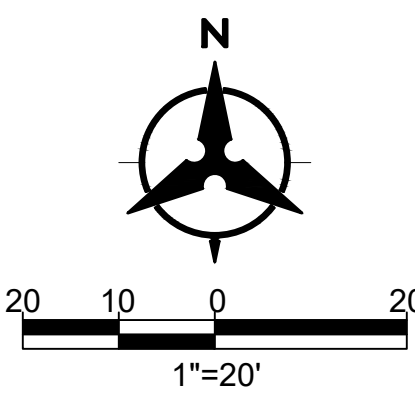


- ### GENERAL NOTES
- A. ALL WORK DETAILED ON THESE PLANS AND PERFORMED UNDER THIS CONTRACT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THE PROJECT GEOTECHNICAL REPORT. WHERE APPLICABLE, CITY OF ALBUQUERQUE PUBLIC WORKS STANDARDS SHALL APPLY.
- B. THE CONTRACTOR SHALL ABIDE 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.
- 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.
- D. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE FOR LOCATION OF EXISTING UTILITIES.
- 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.
- 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.
- 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.
- 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.
- 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.).
- 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.
- 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.
- L. ALL BARRICADING AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), US DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- M. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES.
- N. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO CONFORM WITH EPA REQUIREMENTS, INCLUDING COMPLIANCE WITH NPDES PHASE 2 REQUIREMENTS.

- ### GRADING KEYNOTES
1. INSTALL HDPE (1/2"WT OR APPROVED EQUAL) STORM DRAIN PIPE. SEE PLAN FOR SIZE AND SLOPE.
 2. INSTALL 8" NYLOPLAST DOME GRATE INLET OR APPROVED EQUAL.
 3. CONNECT TO EXISTING STORM DRAIN INLET.
 4. INSTALL CURB OPENING PER DETAIL 01 SHEET C101.
 5. INSTALL NEW PRE-FABRICATED STORM DRAIN FITTING. SEE PLAN FOR SIZE.
 6. INSTALL NEW RETAINING WALL. SEE STRUCTURAL DRAWINGS FOR DETAILS.
 7. INSTALL ROOF DRAIN WITHIN 5' OF BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
 8. INSTALL LANDSCAPED SWALE. SEE LANDSCAPE PLANS FOR FINAL STABILIZATION.
 9. INSTALL 12" NYLOPLAST DOME GRATE INLET OR APPROVED EQUAL. TOP OF GRATE SHALL BE 2.5' ABOVE BOTTOM OF POND.
 10. INSTALL NEW RETAINING/SITE WALL. SEE ARCHITECTURAL SITE DRAWINGS FOR DETAILS.
 11. INSTALL NEW COA TYPE "D" STORM DRAIN INLET PER COA STD DWG 2206.
 12. INSTALL NEW PRE-FABRICATED STORM DRAIN RISER. SEE PLAN FOR SIZE AND INVERTS.
 13. INSTALL CONCRETE RUNDOWN PER DETAIL 02 SHEET C101.
 14. INSTALL 6' x 6' 12" THICK RIP-RAP PAD PER DETAIL 03 SHEET C101.
 15. INSTALL 4" DIAMETER TYPE "C" STORM DRAIN MANHOLE PER COA STD DWG 2101.
 16. INSTALL RCP TYPE III STORM DRAIN PIPE. SEE PUBLIC WORK ORDER FOR DETAILS.

LEGEND

---	PROPERTY LINE
---	PROJECT LIMITS OF GRADING
---	EXISTING INDEX CONTOUR
---	EXISTING INTERMEDIATE CONTOUR
XX.XX	EXISTING GROUND SPOT ELEVATION
---	PROPOSED INDEX CONTOUR
---	PROPOSED INTERMEDIATE CONTOUR
XX.XX	PROPOSED GRADE SPOT ELEVATION
---	FL=FLOW LINE
---	TC=TOP OF CURB
---	TS=TOP OF SIDEWALK
---	DIRECTION OF FLOW
---	WATER BLOCK/GRADE BREAK



NOTE
SIDEWALK CROSS-SLOPES SHALL BE AT A MINIMUM OF 1.0% AND A MAXIMUM OF 2.0%

NOTE
CONTRACTOR SHALL PROVIDE AS-BUILT GRADING INFORMATION STAMPED BY A PROFESSIONAL SURVEYOR. AS-BUILT INFORMATION REQUIRED SHALL BE COORDINATED WITH THE ENGINEER AND SHALL BE SUFFICIENTLY DETAILED TO VERIFY THAT THE DRAINAGE WILL FUNCTION IN ACCORDANCE WITH THE DESIGN. AS-BUILT DATA SHALL BE PROVIDED AT LEAST 5 WORKING DAYS PRIOR TO CONTRACTOR'S REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY. AT A MINIMUM, AS-BUILT DATA SHALL INCLUDE:

- WATER HARVESTING POND VOLUMES
- APPROXIMATELY 75% OF ALL DESIGN SPOT ELEVATIONS & FINISHED FLOOR ELEVATIONS.

NOTE
STORM DRAIN WITHIN CITY OF ALBUQUERQUE RIGHT OF WAY TO BE CONSTRUCTED, DETAILED, AND PERMITTED THROUGH THE CITY OF ALBUQUERQUE PUBLIC WORK ORDER PROCESS. STORM DRAIN WITHIN RIGHT OF WAY TO BE PRIVATELY MAINTAINED BY OWNER.



**DEKKER
PERICH
SABATINI**

**ARCHITECTURE
DESIGN
INSPIRATION**

ARCHITECT



PROJECT

PresNow 24/7
7400 MENAUL BLVD. NE
ALBUQUERQUE, NM

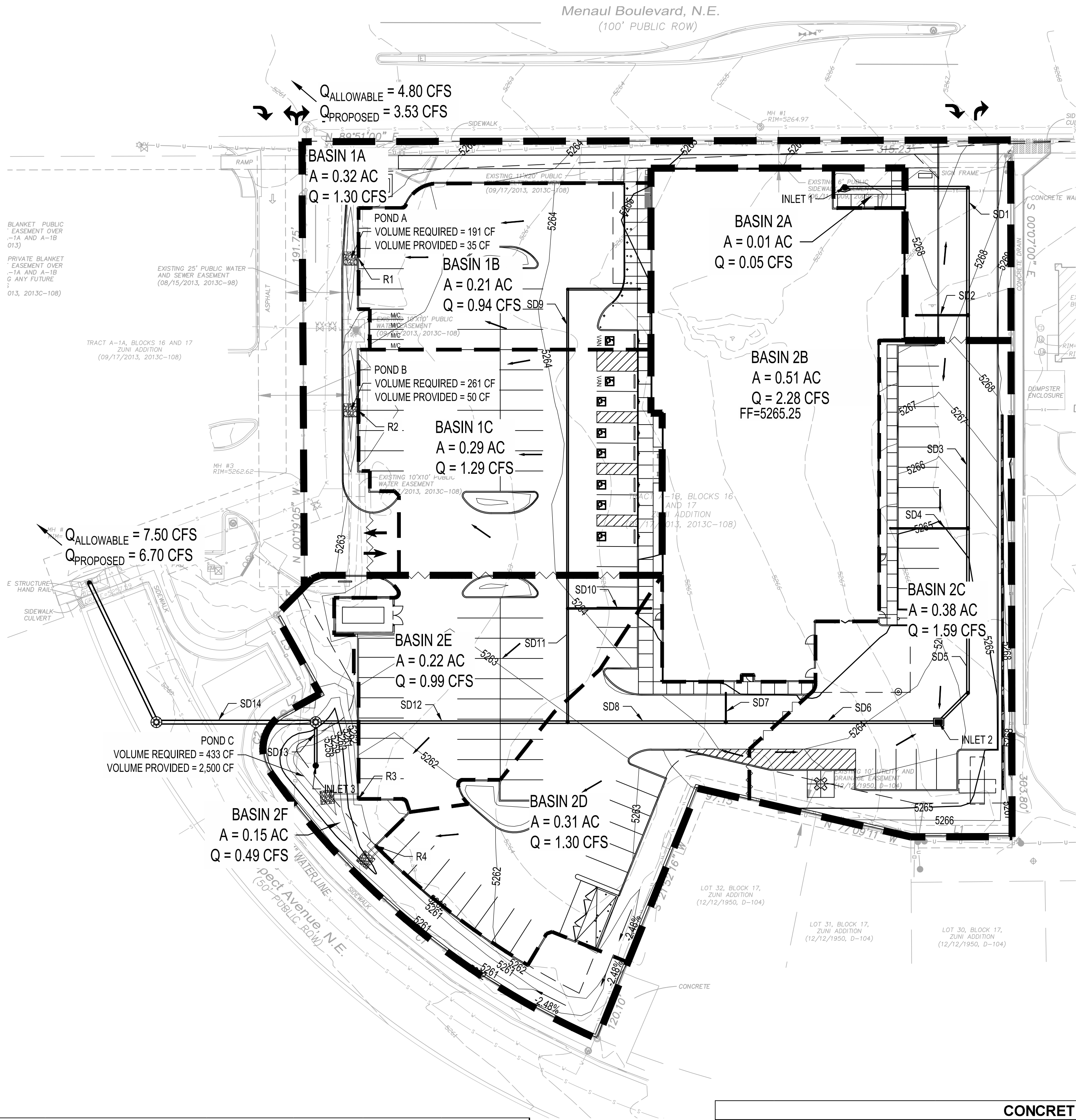
**ISSUED FOR
BID/ PERMIT**

REVISIONS

△	
△	
△	
△	

DRAWN BY	HG
REVIEWED BY	MS
DATE	08/19/2022
PROJECT NO.	21-0220.001
DRAWING NAME	GRADING PLAN

SHEET NO.
C-100
OF



STORM DRAIN PIPE TABLE					
Pipe #	INLET/SD/BASIN	Size in.	Slope	Capacity* cfs	ACTUAL FLOW cfs
SD1	BASIN 2A	12	1.00%	3.56	0.05
SD2	20% OF BASIN 2B	6	5.00%	1.25	0.46
SD3	SD1 + SD2	12	1.00%	3.56	0.51
SD4	20% OF BASIN 2B	6	5.00%	1.25	0.46
SD5	SD3 + SD4	12	1.00%	3.56	0.96
SD6	BASIN 2C	12	1.00%	3.56	1.59
SD7	20% OF BASIN 2B	6	5.00%	1.25	0.46
SD8	SD6 + SD7	12	1.00%	3.56	2.05
SD9	20% OF BASIN 2B	8	2.47%	1.90	0.46
SD10	20% OF BASIN 2B	6	5.00%	1.25	0.46
SD11	SD9 + SD10	8	2.47%	1.90	0.91
SD12	SD8 + SD11	12	1.00%	3.56	2.96
SD13	BASIN 2F	12	1.14%	3.80	2.78
SD14	SD12 + SD13	18	1.00%	10.50	5.74

Capacity based on Manning's Eq w/ N=0.013

INLET TABLE					
Inlet #	Inlet Type	Basin	Actual Flow (CFS)	Avail Head (ft)	Capacity (CFS) ¹
IN1	1 - 8" Nyloplast (Dome Grate)*	BASIN 2A	0.05	0.48	0.35
IN2	1 - COA Type D Inlet	BASIN 2C	1.59	0.96	9.46
IN3	1 - 12" Nyloplast (Dome Grate)*	BASIN 2F	0.49	0.50	1.65

CONCRETE RUNDOWN TABLE								
Rundown #	Basin ID	Rundown Type	Actual Flow	Capacity Weir (CFS)	Channel Width ft	Channel Height ft	Minimum Slope	Capacity Mannings (CFS)
R1	Basin 1B	Rectangle	0.94	1.88	2.00	0.50	1.15%	5.89
R2	Basin 1C	Rectangle	1.29	1.88	2.00	0.50	1.15%	5.89
R3	Basin 2E	Rectangle	0.99	1.88	2.00	0.50	33.33%	31.73
R4	Basin 2D	Rectangle	1.30	1.88	2.00	0.50	20.00%	24.58

PresNOW Menaul													
Proposed Basin Data Table													
This table is based on the DPM Section 6-2, Zone: 3													
Basin ID	Area	Area	Land Treatment Percentages				Q(100yr)	Q(100yr)	V(100yr)	V _(100yr-6hr)	V _(100yr-24hr)	Weighted Curve #	SW Quality (CF)
	(SQ. FT)	(AC.)	A	B	C	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)		
PROPOSED													
Basin 1	35821	0.82											
Basin 1A	13863	0.32	0.0%	0.0%	30.0%	70.0%	4.09	1.30	2.13	2464	2796	94	210
Basin 1B	9268	0.21	0.0%	0.0%	5.0%	95.0%	4.42	0.94	2.51	1935	2236	97	191
Basin 1C	12697	0.29	0.0%	0.0%	5.0%	95.0%	4.42	1.29	2.51	2651	3063	97	261
Basin 2	69267	1.59											
Basin 2A	566	0.01	0.0%	0.0%	55.0%	45.0%	3.76	0.05	1.76	83	92	91	6
Basin 2B	22138	0.51	0.0%	0.0%	0.0%	100.0%	4.49	2.28	2.58	4760	5516	98	480
Basin 2C	16678	0.38	0.0%	0.0%	25.0%	75.0%	4.16	1.59	2.21	3068	3495	95	271
Basin 2D	13388	0.31	0.0%	0.0%	20.0%	80.0%	4.23	1.30	2.28	2546	2912	96	232
Basin 2E	9738	0.22	0.0%	0.0%	5.0%	95.0%	4.42	0.99	2.51	2033	2349	97	200
Basin 2F	6749	0.15	0.0%	0.0%	100.0%	0.0%	3.17	0.49	1.09	613	613	86	0
TOTAL	105088	2.41	-	-	-	-	-	10	-	20153	23072		1851



FEMA FIRM MAP #35001C0356H



LEGEND

- PROPERTY LINE
- LIMITS OF GRADING
- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- DRAINAGE BASIN
- DRAINAGE SUB-BASIN

DRAINAGE NARRATIVE

INTRODUCTION

THIS PROJECT IS A PREVIOUSLY DEVELOPED COMMERCIAL PROPERTY LOCATED ON THE SOUTHEAST CORNER OF MENAUL AND PROSPECT. THE PROPOSED FACILITY IS THE CONSTRUCTION OF A PRESBYTERIAN HEALTHCARE SERVICES PRESNOW CLINIC. THIS SITE HAS BEEN DESIGNED AND ANALYZED FOR A DIFFERENT SITE DEVELOPMENT. THE DEVELOPMENT AND OWNERS HAVE CHANGED SINCE THAT APPROVAL AND THE PROPOSED SITE WILL BE A PRESNOW URGENT CARE CENTER. OFFSITE DRAINAGE REPORTS COMPLETED BY ISAACSON & ARFMAN (2/8/13) AND THE CONCEPTUAL GRADING & DRAINAGE PLAN PREPARED BY GUY JACKSON AND ASSOCIATES (5/5/08) WERE USED IN ANALYZING THIS SITE.

EXISTING CONDITIONS

THE SITE SLOPES GENERALLY FROM THE NORTHEAST TO THE SOUTHWEST. IN EXISTING CONDITIONS, THE PROPERTY SHEET FLOWS AND DISCHARGES BOTH IN TO MENAUL AND PROSPECT WHERE IT IS COLLECTED BY INFRASTRUCTURE WITHIN THE RIGHT OF WAY. THE SITE IS 2.41 ACRES, WITH ONE BASIN THAT FLOWS DIRECTLY INTO MENAUL TO THE NORTH AND ONE BASIN THAT SHEET FLOWS INTO PROSPECT, WHERE AN EXISTING STORM DRAIN INLET BRINGS THE FLOW INTO MESILLA AND THEN INTO MENAUL. PER THE MENAUL AND PROSPECT RETAIL CENTER OFFSITE DRAINAGE EXHIBIT (2/8/13), 7.5 CFS CAN DISCHARGE TO PROSPECT AND 4.8 CFS CAN DISCHARGE INTO MENAUL. THE MENAUL AND PROSPECT RETAIL CENTER CONCEPTUAL GRADING AND DRAINAGE PLAN (5/5/08), APPROVED BY THE COA HYDROLOGY DEPARTMENT, CONFIRMS THAT THE SITE CAN CONTINUE TO FREE DISCHARGE INTO MENAUL, PROSPECT, AND MESILLA.

METHODOLOGY

THE HYDROLOGIC ANALYSIS PROVIDED WITH THIS DRAINAGE SUBMITTAL HAS BEEN PREPARED IN ACCORDANCE WITH THE RECENT ADOPTION OF THE NEW DEVELOPMENT PROCESS MANUAL, SPECIFICALLY CHAPTER 6 (DRAINAGE, FLOOD CONTROL, AND EROSION CONTROL). LAND TREATMENT PERCENTAGES WERE CALCULATED BASED ON THE ACTUAL CONDITIONS IN EACH ONSITE BASIN AND ARE SUMMARIZED IN THE PROPOSED BASIN DATA TABLE (THIS SHEET). THE SITE IS IN RAINFALL ZONE 3.

PROPOSED

THE PROPOSED SITE WILL FOLLOW THE SAME EXISTING DRAINAGE SCHEME FROM NORTHEAST TO SOUTHWEST. THE SITE IS DIVIDED INTO 2 PROPOSED BASINS THAT WILL DISCHARGE TO 2 MAIN OUTFALL LOCATIONS.

BASIN 1 IS LOCATED ON THE NORTHWEST SIDE OF THE SITE AND INCLUDES THE AREA THAT DISCHARGES TO MENAUL. THIS BASIN FLOWS THROUGH NEW CURB OPENINGS ALONG THE NORTHWEST SIDE OF THE SITE WHERE IT CONTINUES NORTH INTO THE MENAUL RIGHT OF WAY. BASIN 1 DISCHARGES A TOTAL OF 3.53 CFS DIRECTLY INTO MENAUL, WHICH IS LESS THAN THE PREVIOUSLY APPROVED MAXIMUM AMOUNT OF 4.8 CFS.

BASIN 2 CONTAINS ALL THE STORM DRAIN SYSTEM ONSITE, INCLUDING THE NEW BUILDING WHICH DISCHARGES BELOW GRADE TO THE NEW STORM DRAIN AND STORM DRAINAGE THAT IS COLLECTED BY INLETS INTO THE NEW PIPES. SEE THE STORM DRAIN PIPE AND INLET TABLE, THIS SHEET, FOR MORE INFORMATION. A PORTION OF BASIN 2 SHEET FLOWS SOUTHWEST THROUGH CURB OPENINGS TO ENTER THE STORMWATER QUALITY POND, WHERE AN OVERFLOW INLET WILL CONNECT TO THE PROPOSED STORM DRAIN. THIS BASIN DISCHARGES THROUGH THE STORM DRAIN PIPE WHERE IT CONNECTS TO THE EXISTING STORM DRAIN INFRASTRUCTURE IN MESILLA. BASIN 2 DISCHARGES A TOTAL OF 6.70 CFS TO PROSPECT, WHICH REMAINS WITHIN THE PREVIOUSLY APPROVED MAXIMUM DISCHARGE OF 7.5 CFS.

NEW STORMWATER QUALITY PONDS ARE LOCATED ALONG THE WESTERN EDGE OF THE SITE. STORMWATER QUALITY VOLUME REQUIRED AND PROVIDED IS SHOWN BELOW.

POND A:
VOLUME REQUIRED = 191 CF
VOLUME PROVIDED = 35 CF

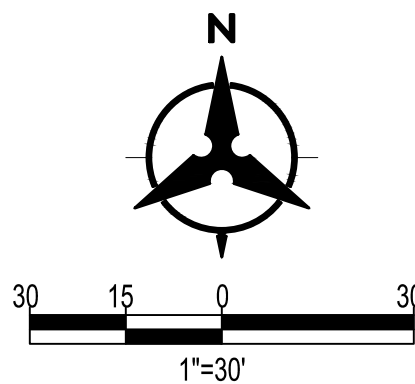
POND B:
VOLUME REQUIRED = 261 CF
VOLUME PROVIDED = 50 CF

POND C:
VOLUME REQUIRED = 433 CF
VOLUME PROVIDED = 2,500 CF

ALL LANDSCAPED AREAS ARE DEPRESSED TO THE MAXIMUM EXTENT FEASIBLE. ADDITIONAL VOLUME CAN'T BE ACCOMMODATED DUE TO SITE CONSTRAINTS. THE AMOUNT OF STORMWATER QUALITY REQUIRED BUT IS NOT PROVIDED OR BYPASSES THE STORMWATER QUALITY PONDS TOTALS 1,333 CF. THIS REMAINING VOLUME WILL BE PAID CASH IN LIEU.

CONCLUSION

THE CALCULATED PEAK DISCHARGE FROM THIS SITE (10.24 CFS) IS LESS THAN THAT OF THE PREVIOUSLY APPROVED DRAINAGE REPORT (12.30 CFS). THE GRADING AND DRAINAGE PLAN AS PRESENTED IS IN CONFORMANCE WITH THE CITY OF ALBUQUERQUE HYDROLOGY REQUIREMENTS. WITH THIS SUBMITTAL WE ARE REQUESTING COA HYDROLOGY BUILDING PERMIT.



DEKKER
PERICH
SABATINI

ARCHITECTURE
DESIGN
INSPIRATION

ARCHITECT

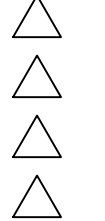


PROJECT

PresNow 24/7
7400 MENAUL BLVD. NE
ALBUQUERQUE, NM

ISSUED FOR
BID/ PERMIT

REVISIONS



DRAWN BY HG

REVIEWED BY MS

DATE 08/19/2022

PROJECT NO. 21-0220.001

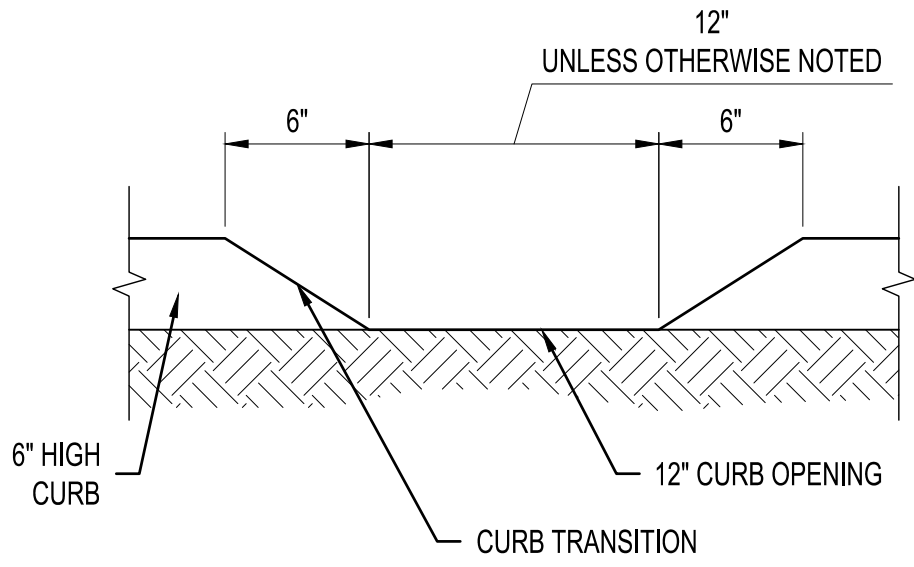
DRAWING NAME

DRAINAGE
MANAGEMENT
PLAN

SHEET NO.

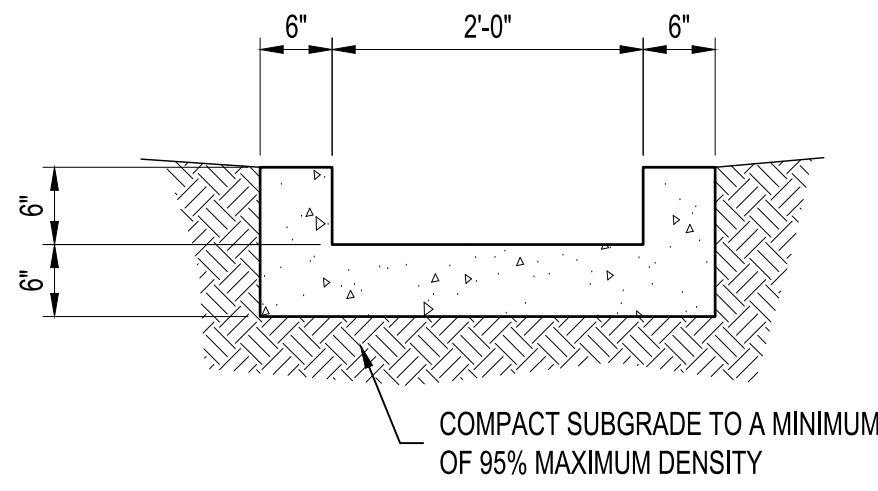
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OF



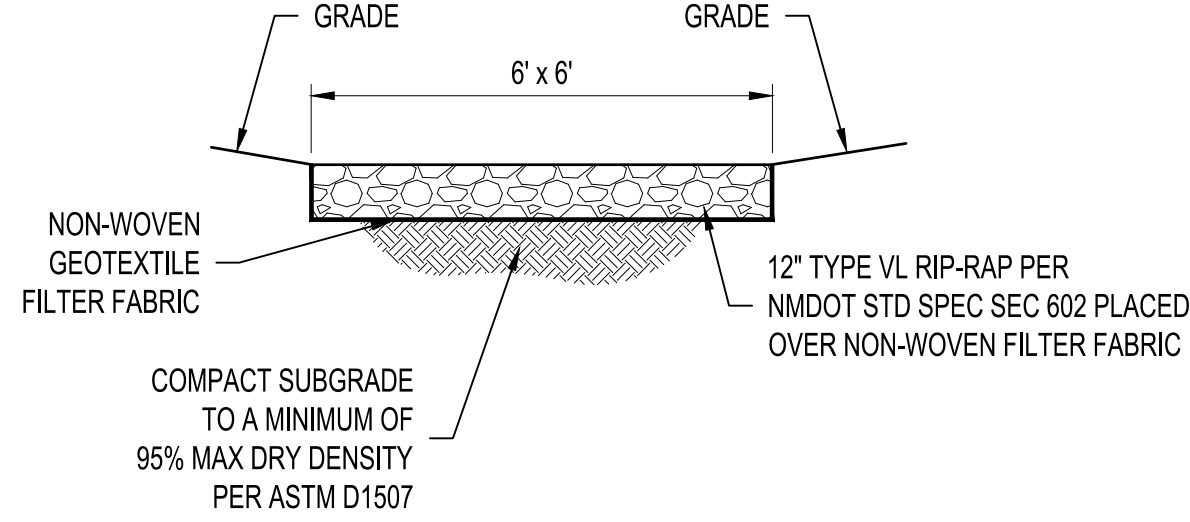
01 CURB CUT

NTS



02 CONCRETE RIBBON CHANNEL

NTS



03 RIP-RAP BLANKET

NTS

DEKKER
PERICH
SABATINI

ARCHITECTURE
DESIGN
INSPIRATION

ARCHITECT



PROJECT

PresNow 24/7
7400 MENAUL BLVD. NE
ALBUQUERQUE, NM

ISSUED FOR
BID/ PERMIT

REVISIONS



DRAWN BY	HG
REVIEWED BY	MS
DATE	07/12/2022
PROJECT NO.	21-0220.001

DRAWING NAME
GRADING
DETAILS

SHEET NO.

C-101

OF