CITY OF ALBUQUERQUE

Planning Department Alan Varela, Director



Mayor Timothy M. Keller

September 6, 2023

Phillip W. Clark, P.E. Clark Consulting Engineers 19 Ryan Rd Edgewood, NM 87015

RE: 1905 8th St NW Grading and Drainage Plan Engineer's Stamp Date: 08/30/2023 Hydrology File: H14D078

Dear Mr. Clark:

PO Box 1293 Based upon the information provided in your submittal received 08/30/2023, the Grading & Drainage Plan is approved for Grading Permit and Building Permit approval. Please attach a copy of this approved plan in the construction sets for Building Permit processing along with a copy of this letter.

PRIOR TO CERTIFICATE OF OCCUPANCY:

Albuquerque

NM 87103

- 1. Engineer's Certification, per the DPM Part 6-14 (F): *Engineer's Certification Checklist For Non-Subdivision* is required.
- Please provide the executed paper Drainage Covenant (latest revision) printed on one-side only with Exhibit A and a check for \$25 made out to "Bernalillo County" for the stormwater quality ponds per Article 6-15(C) of the DPM to Hydrology for review. Once the review is done, Hydrology will send back an email stating our approval/comments.

www.cabq.gov

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, 505-924-3420) 14 days prior to any earth disturbance.

If you have any questions, please contact me at 924-3695 or <u>tchen@cabq.gov</u>.

Sincerely,

Teppe Cha

Tiequan Chen, P.E. Principal Engineer, Hydrology Planning Department, Development Review Services



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET

Project Title: 8th St NW Storage Buildin	g Permit #	Hydro	logy File #_H-14/D0
DRB#	EPC#		
Legal Description: Tr 60-B, MRGCD Map 36	City Addre	ss OR Parcel	1905 8th St NW
Applicant/Agent: Clark Consulting Engineers	Contact:	Phil	
Address:19 Ryan Rd, Edgewood, NM 87(15 Phone:	(505) 281-2	2444
Email: <u>CCEalbq@aol.com</u>		, , , , , , , , , , , , , , , , ,	
Applicant/Owner:	Contact:		
Address:			
Email:			
SECTION : TRANSPORTATION X	HYDROLOG	Y/DRAINAGE	3
Check all that apply:	_		
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DATE SUBMITTED: ____ 8/30/23





UNDEVELOPED LANDSCAPING/POND GRAVEL & COMPACTED SOIL ROOF – PAVEMENT

0.00 Ac.(0%) 0.07 Ac.(32%) 0.10 Ac.(45%) <u>0.05 Ac.(2</u>3%) 0.22 Ac.

DOBA

<u>. 2</u> Peak 1.71[0.41] 2.36[0.95] 3.05[1.59] 4.34[2.71]

<u>E</u> 0.62[0.15] 1 0.80[0.30] 1.03[0.48] 2.33[1.51]

DETERMINE LAND FOR STUDY AREA

TREA TMENTS,

PEAK DISCHARGE

E AND

VOLUMETRIC DISCHARGE

DEVELOPED CONDITIONS

THEREFORE:

E weighted Q100 = 0.70 CFS

1.26 ln.[0.xx]

80

VOLUME

100

11

1006

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PER ART. 6-5 VALLEY GRADING:
These types of developments will be subject to the following allowable stormwater discharge rates:
1. 2.75 cfs/acre or the site must retain the first ½ inch of runoff or the design standard volume as defined in the City's Municipal Separate Storm Sewer System (MS-4) permit from the U.S. Environmental Protection Agency, whichever is protection

HYDROLOGIC METHODS PER CHAPTER 6, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL (DPM) 2020 EDITION FOR CITY OF ALBUQUERQUE. DISCHARGE RATE: Q=QPEAK × AREA.."Peak Discharge Rates For Small Watersheds" VOLUMETRIC DISCHARGE: VOLUME = EWeighted × AREA P100-6 Hr= 2.29 In., Zone 2, P100-24 Hr.=2.59 In., P100-10 Day=3.6 In. TC = 12 Min DESIGN STORM: 100-YEAR/6-HOUR, 10-YEAR/6-HOUR [] = 10 YEAR VALUES

12 Min.

DESIGN CRITERIA

ALCUL

ATIONS

LOT AREA = 0.22 ACRES, WHERE EXCESS PRECIP. 'C'/D =1.68 In. PEAK DISCHARGE, Q100 = 0.8 CFS, WHERE UNIT PEAK DISCHARGE 'C/D' THEREFORE: VOLUME 100 = 1342 CF

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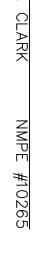
3.70 CFS/AC.

EXISTING CONDITIONS

1.) ESTABLISHED URBAN AREA - FORMERLY ASPHALT STORAGE LOT, THEREFORE: "REDEVELOPMENT" PER CH. 6 DPM, ARTICLE 6-12

2.) CHECK REQUIRED "FIRST FLUSH" VOLUME: THIS SITE IS CONSIDERED "REDEVELOPMENT" PER DPM CH. 6, ART 12. (EXISTING SLAB/ASPHALT/DRIVEPAD) -0.26 INCHES X 0.05 AC.(43560 SF)/12 = 47 CF THIS VOLUME IS CONTAINED IN THE SWQ HARVEST POND

SIZE REQUIRED STORM WATER QUALITY REQ.





BOR

/30/23

ADDR. COA COM

1905 8TH STREET, NW PANDO WAREHOUSE - STORAGE

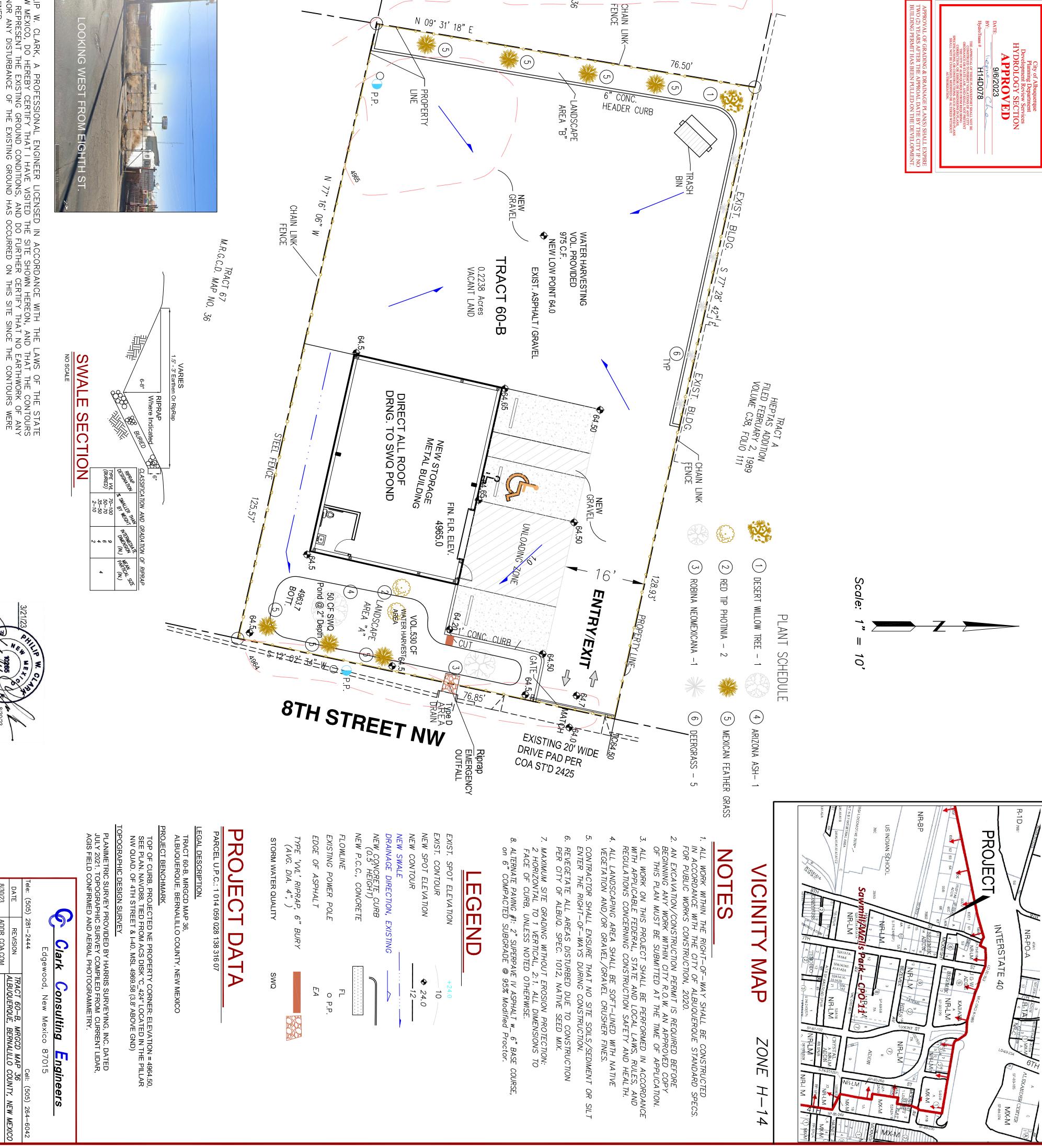
Grading & Drainage Plan

BY:

DRAWN BY: DATE: FEB2(

JOB #

Rafa_8th St. 1 0F 1



EXISTING CONTOURS, AND SPOT ELEVATIONS AND EXISTING DRAINAGE PATTERNS AND EXISTING IMPROVEMENTS: INCLUDING ST'D CURB/GUTTER WITHOUT SIDEWALK, AND STREET IMPROVEMENTS.
 PROPOSED IMPROVEMENTS: 1200 SQUARE FOOT METAL WAREHOUSE STORAGE BUILDING, PARKING, GRAVEL DRIVES, NEW GRADE ELEVATIONS, ADA ACCESS AND LANDSCAPING.
 CONTINUITY BETWEEN EXISTING AND PROPOSED ELEVATIONS.
 QUANTIFICATION AND ACCEPTANCE OF ALL ON-SITE FLOWS WHICH CONTRIBUTE TO THE DEVELOPED FLOWS GENERATED BY THE IMPROVEMENTS.

M.R.G.C.D. MAP N

NO. 36

THE WAREHOUSE-STORAGE PROJECT IS LOCATED IN THE NORTH-CENTRAL DOWNTOWN AREA OF ALBUQUERQUE APPROXIMATELY 1 MILE NORTH OF THE DOWNTOWN CORE. THE GRADING & DRAINAGE SCHEME HEREON IS IN COMPLIANCE WITH THE CITY FLOOD HAZARD ORDINANCE, AND THE CITY STORM DRAINAGE ORDINANCE. THE PLAN IS REQUIRED IN ORDER TO FACILITATE THE OWNER'S REQUEST FOR BUILDING PERMIT. THE PLAN SHOWS:

THE PURPOSE OF THE PLAN IS TO ESTABLISH CRITERIA FOR CONTROLLING STORM RUNOFF AND EROSION, AND ESSENTIALLY ALLOWING HISTORIC FLOWS TO CONTINUE TO DRAIN THROUGH THE PROPERTY. PRESENTLY, THE SITE IS BOUNDED ON THE NORTH AND SOUTH BY DEVELOPED NR-BP PROPERTY. EIGHTH STREET ON THE EAST IS PAVED WITH CURB AND & GUTTER, AND MAINTAINED BY THE CITY OF ALBUQUERQUE. THE SITE CURRENTLY DRAINS AT LESS THAN 1% FROM WEST TO EAST. HISTORICAL SITE RUNOFF OUTFALL LOCATIONS WILL REMAIN UNCHANGED. SINCE 8TH STREET IS IMPROVED ONLY MINIMAL GRADING (DRIVEWAY EXPANSION) IS PROPOSED WITHIN THE CITY R.O.W. THE SITE IS NOT IMPACTED ADVERSELY BY ANY OFF-SITE DRAINAGE FLOWS.

4964

GRADING

Qo

DRAINAGE

AZ

FIRM MAP

SUBJECT PROPERTY IS WITHIN A SHADED ZONE X.

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the one or more of the following map basemap imagery, flood zone labels, auton date, community identifiers, FIRM effective date. Map images for load some protection of for

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National Flood Hazard Layer FIRMette

😵 FEMA

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SPECIAL FLOOD HAZARD AREAS

LOOD HAZARD