CITY OF ALBUQUERQUE

Planning Department Alan Varela, Interim Director



Mayor Timothy M. Keller

August 31, 2021

Tyler J. Ashton, P.E. Wilson & Company 440I Masthead St. NE Albuquerque, NM 87113

RE: Portable for Lot 3A, Block 2 Metz-Robertson Addition Grading & Drainage Plan Engineer's Stamp Date: 08/23/21 Hydrology File: K11D093

Dear Mr. Ashton:

Sincerely,

Based upon the information provided in your submittal received 08/23/21, the Grading and Drainage Plan is approved for Foundation Permit and Grading Permit.

Albuquerque 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, <u>jhughes@cabq.gov</u>, 924-3420) 14 days prior to any earth disturbance.

NM 87103

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

www.cabq.gov

Renée C. Brissette

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



City of Albuquerque

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

Project Title:	Building	g Permit #: Hydrology File #:
DRB#:	EPC#:	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	ANSPORTATION .	HYDROLOGY/ DRAINAGE
Check all that Apply:		TYPE OF APPROVAL/ACCEPTANCE SOUGHT:
TYPE OF SUBMITTAL:		BUILDING PERMIT APPROVAL
ENGINEER/ARCHITECT CERTIF	ICATION	CERTIFICATE OF OCCUPANCY
CONCEPTUAL G & D PLAN		PRELIMINARY PLAT APPROVAL
GRADING PLAN		SITE PLAN FOR SUB'D APPROVAL
DRAINAGE MASTER PLAN		SITE PLAN FOR BLDG. PERMIT APPROVAL
DRAINAGE REPORT		FINAL PLAT APPROVAL SIA/ RELEASE OF FINANCIAL GUARANTEE
FLOODPLAIN DEVELOPMENT PI	ERMIT APPLIC	FOUNDATION PERMIT APPROVAL
ELEVATION CERTIFICATE		GRADING PERMIT APPROVAL
CLOMR/LOMR		OKADINO PERMIT APPROVAL
TRAFFIC CIRCULATION LAYOU	T (TCL)	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:

Floodplain Development Permit Application

Planning Dept., City of Albuquerque

Section 1: General Provisions (Applicant to read and sign)

- 1. No work of any kind may start in a Special Flood Hazard Area, SFHA, until a permit is issued.
- 2. Applicant is hereby informed that other permits may be required to fulfill local, state, and federal regulatory requirements.
- 3. Applicant hereby gives consent to the Floodplain Administrator and his/her representative to make reasonable inspections required to verify compliance.
- 4. Applicant must provide a Critical Habitat for Threatened & Endangered Species report prior to any work in a SFHA.
- 5. Applicant must provide the Base Flood Elevation, BFE, and must provide engineering calculations demonstrating that the development will not increase the BFE or result in increased flood risk on any neighboring property.
- 6. If this application is for a building the floodplain must be removed by first constructing any required storm drain and/or channel modifications and second acquiring a Letter of Map Revision, LOMR, from FEMA before a building permit will be issued. If storm drain and channel modifications are not involved then a draft Elevation Certificate must be submitted prior to Building Permit and a Final Elevation Certificate must be submitted prior to Certificate of Occupancy.
- 7. A Conditional Letter of Map Revision, CLOMR, is required prior to any work in the FLOODWAY, if applicable.
- 8. The applicant certifies that all statements herein and in attachments to this application are, to the best of my knowledge, true and accurate.

Applicant SignatureClaudia Diaz	Date 8/18/2021
Wilson & Company, Inc., Applicant Printed Name_Engineers & Architects	Phone #:_575-642-9401
COA Family Community Services Owner Signature Department, see attached Authorization Letter	Date 8/18/2021
Owner Printed Name Jess R Martinez, Deputy Director	Phone #: _505-757-5886
Applicant is (check one): Owner Builder	Engineer/Architect X
Section 2: Proposed Development in Special Flo Applicant)	ood Hazard Area (to be completed by

Project address/Legal Disc/Location:

109 60TH Street N.W. / Lot 3A, Block 2 Metz-Robertson Addition / Just

North of Central and 60 TH Street NW intersection

Section 2 (Cont.) - Description of Work in Special Flood Hazard Area (SFHA):

A. Building Development and Building Type

<u>ACTIVITY</u>	STRUCTURE TYPE
X_New Building	Residential (1-4 Family)
Addition	Residential (More than 4 Family)
Alteration	Non Residential (Flood-proofing?Yes)
Relocation	Combined Use (Residential & Commercial)
Demolition	X_Manufactured Home (In Mobile Home Park?Yes)
Replacement	
If an addition or alteration:	
Estimated Cost of Project	\$
Estimated Value of structure before ac	ldition/alteration. \$
Percent of value (new construction /ex	tisting value)%
B. Other Development Activities	
X_ClearingGrading	UtilitiesPaving
Watercourse Alteration (Bridge of	or Channel Modification)
Drainage Improvements (Storm c	lrain or culverts)
Road, Street or Bridge Construct	ion
Subdivision	
Walls or Fences	
Storage of Materials/Equipment	for more than a year. (Materials Volume (cu. Ft.))
Other (Please Specify)	
Is there a Grading & Drainage Plan	associated with this work? Yes X No

Drainage file Number: ___K11D005

Section 3: Floodplain Determination (Completed by the Floodplain Administrator)

_____The proposed development is located on FIRM Panel:_____

_____The proposed development is located in Zone X and NO FLOODPLAIN DEVELOPMENT PERMIT IS REQUIRED.

_____A portion of the proposed development is located in a SFHA but not any buildings so an approved G&D Plan is required (Engineer's Stamp Date_____) prior to issuance of a Floodplain Development Permit and no Building Permit will be issued for this construction.

_____A portion of the proposed Building is located in a SFHA but the project does not include any storm drain improvements and/or channel modifications so:

- 1. Approved G&D Plan is required (Engineer's Stamp Date_____) prior to issuance of a Floodplain Development Permit,
- 2. Draft Elevation Certificate (Date_____) is required prior to issuance of a Building Permit, and
- 3. Final Elevation Certificate and Engineer's Certification is required prior to Certificate of Occupancy.

_____A portion of the proposed Building is located in a SFHA and the project includes storm drain improvements and/or channel modifications that will change the floodplain location so

- 1. An Approved Grading and Drainage Plan is required (Engineer's Stamp Date____) prior to issuing a Flood Plain Development Permit and a Grading Permit and/or a Work Order.
- The improvements must be constructed and an Approved Engineer's Certification (Engineer's Stamp Date_____) and an Approved LOMR Request (Engineer's Stamp Date_____) must be approved by Hydrology prior to approval of the LOMR application to FEMA.
- 3. The Floodplain must be removed by a LOMR from FEMA (Date_____) prior to issuance of a Building Permit.

_A portion of the proposed development is located in a FLOODWAY so:

- 1. Approved G&D Plan (Engineer's Stamp Date____) and an Approved CLOMR Request (Date____) is required prior to approval of the application to FEMA, and
- 2. CLOMR from FEMA (Date_____) is required prior to issuance of a Floodplain Development Permit, a Grading Permit, and/or a Work Order.
- 3. The improvements must be constructed and an Approved Engineer's Certification (Engineer's Stamp Date_____) and an Approved LOMR Request (Engineer's Stamp Date_____) must be approved by Hydrology prior to approval of the LOMR application to FEMA (Date_____).
- 4. The Floodplain must be removed by a LOMR from FEMA (Date_____) prior to issuance of a Building Permit.

Drainage File Number:_____ Floodplain Permit Number:_____

 Signed:
 Date:

Printed Name: _____

Rev. March 2018



City of Albuquerque

Planning Department Floodplain Development Permit

Project Title Portable for Lot 3A, Block 2 Metz-Robertson Addition.

Project Location (Major Cross Streets/Arroyo or address) 109 60TH Street N.W. (Just North of Central Ave. and 60TH Street NW.

Property Owner: (Note: If applying for a Building Permit, the "Company" or "Owner" name on this form must match the "Owner" name on the Building Permit.)

Company Name or Owner Name: City of Albuquerque

Responsible Person: (Note: Name below may be the same as Owner Name above if there is no Company Name) Name: Jess R. Martinez/City of Albuquerque Family and Community Services Department

Phone Number: 505-757-5886

E-mail: jrmartinez@cabq.gov

Site Contact: (if different than Property Owner info above.)

Name: Claudia Diaz/Wilson & Company, Inc., Engineers & Architects

Phone: 575-642-9401

e-mail: Claudia.Diaz@wilsonco.com

For City personnel use only:

City Personnel Signature: _____ Date_____

Description of Work

Check all that apply:

Final Elevation Certificate required prior to Certificate of Occupancy

No Building Permits will be allowed until FEMA issues a LOMR removing the SFHA.

A LOMR must be obtained from FEMA prior to release of Financial Guarantees.

CITY OF ALBUQUERQUE Department of Family and Community Services

Carol M. Pierce, Director



Timothy M. Keller, Mayor

August 5, 2021

Brennon Williams, Director **Planning Department** City of Albuquerque 6002nd St. NW Albuquerque, NM 87102

RE: Agent Authorization

PO Box 1293

Director Williams,

Albuquerque

New Mexico 87103

www.cabq.gov

The City of Albuquerque owns Lot 3A, 2nd Replat of Lot 3, Blk 2, PF Metz-Robertson Addition. The Family and Community Services Department is planning to place a building on this site that will be an office for a local non-profit that serves this area of the City.

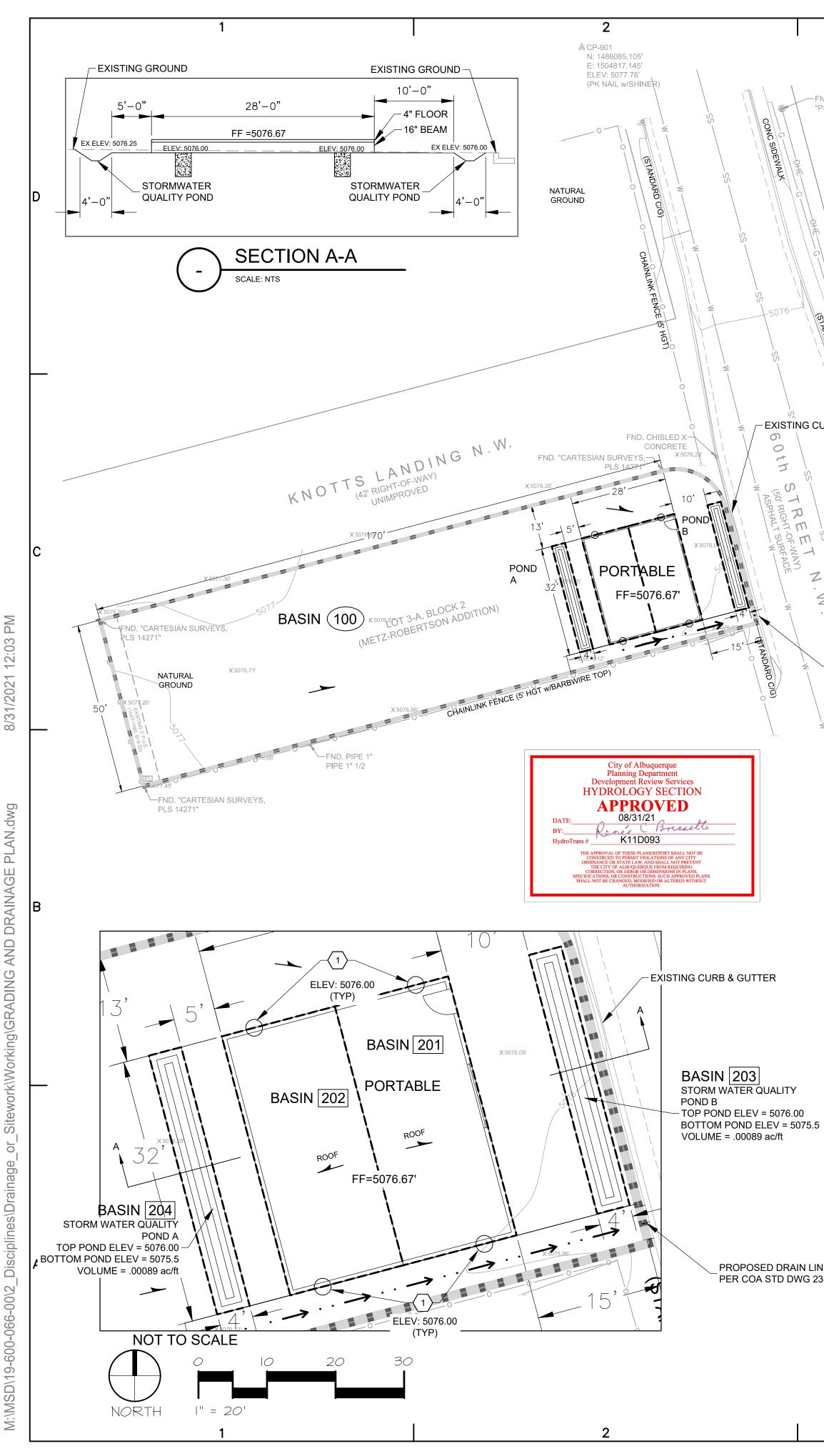
This letter is to authorize Sites Southwest to represent the City Family and Community Services Department as our agent in all matters related to all applications for development review for this site.

Please feel free to contact me if you have any questions. Thank you.

Sincerely,

Jess R Martínez, Deputy Director Family & Community Services Department

Albuquerque - Making History 1706-2006



-FND. NAIL w/WASHER, "PS 6126, RAF"



-EXISTING CURB & GUTTER -CP-900 N: 1485959.01 E: 1504905.016 ELEV: 5075.96' (REBAR w/ ALUMN. CAP)

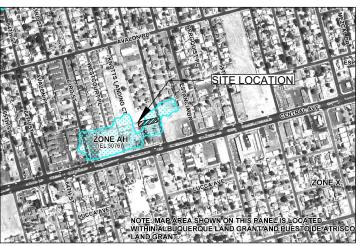
> NATURAL GROUND

PROPOSED DRAIN LINES PER COA STD DWG 2335

_OCATION MAP ZONE ATLAS PAGE: K-11-Z



SOILS MAP REFERENCE: USDA WEB SOIL SURVEY



FLOOD INSURANCE MAP REFERENCE: FLOOD INSURANCE STUDY PANEL 35001C0329H

LEGEND

SITE - CONTROL POINT

GAS LINE

– OHE —–

____0____0____0____

.

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

204

(100)

-5077-

- OVERHEAD POWER
- SANITARY SEWER LINE
- WATER LINE

FLOW ARROWS

EXISTING BASIN BOUNDARY

PROPOSED BASIN BOUNDARY PROPOSED SWALE

PROPOSED BASIN IDENTIFICATION

EXISTING BASIN IDENTIFICATION

EXISTING CONTOUR LINE

GENERAL NOTES

1. CONTRACTOR TO CLEAR AND GRUB TO PROPOSED FOOTING ELEVATION.

KEYNOTES

 $\langle 1 \rangle$ CONSTRUCT PORTABLE FOOTING PER DETAIL SHEET C-501

INTRODUCTION AND PROJECT DESCRIPTION:

LOT 3A, BLOCK 2 METZ-ROBERTSON ADDITION IS LOCATED AT 109 60TH STREET NW ALBUQUERQUE, NM 87121 THIS VACANT LOT IS JUST NORTH OF THE INTERSECTION OF CENTRAL AVE. NW AND 60 TH STREET NW. THE PROPERTY IS OWNED BY CITY OF ALBUQUERQUE AND THIS IS A PROJECT FOR THE FAMILY AND COMMUNTY SERVICES DEPARTMENT. THIS SITE IS INTENDED IN THE FUTURE TO HOUSE SOCIAL SERVICES THAT ARE NEEDED BY THE WEST CENTRAL NEIGHBORHOOD. THIS PROJECT SITE IS WHERE TWO HOMELESS NATIVE AMERICAN MEN WERE MURDERED IN 2015. THE FUTURE DEVELOMENT OF THIS SITE WILL BE AN OPPORTUNITY TO CELEBRATE THE LIVES OF THESE MEN AND MAKE A POSITIVE CONTRIBUTION TO THE SURROUNDING COMMINITY. THE SITE PLAN IS DESIGNAED TO ACCOMMODATE A MODULAR BUILDING THAT WILL HOUSE THE NATIVE AMERICAN TRAINING INSTITUTE. THE COA IS OBTAINING THE 28' X 32' MODULAR BUILDING FROM ALBUQUERQUE PUBLIC SCHOOLS. THE PURCHASE WILL BE COMPLETED SOON AND THE MODULAR BUILDING MUST BE PICKED UP FROM THE APS PROPERTY WITHIN A 60 DAY PERIOD. DUE TO THIS UNFORSEEN CIRCUMSTANCE THE MODULAR BUILDING WILL BE RELOCATED TO THIS SITE FOR NOW, NO OTHER IMPROVEMENTS WILL BE COMPLETED AT THIS TIME.

THE DRAINAGE RUNOFF FOR THIS PROJECT CURRENTLY FREE DISCHARGES TO 60TH STREET, WHICH HAS TWO EXISTING STORM DRAIN INLETS (ONE ON EACH SIDE OF THE STREET).

AS SHOWN BY PANEL 329 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, AUGUST 16, 2012. THE PROPOSED MODULAR BUILDING LIES WITHIN ZONE AH ON THE MAP. ZONE AH, FLOOD DEPTHS OF 1 TO 3 FEET (USSUALLY AREAS OF PONDING); BASE ELEVATION DETERMINED. THE BASE ELEVATION IS 5076.

METHODOLOGY: CHAPTER 6 OF THE CITY OF ALBUQUERQUE DPM WAS UTILIZED TO CALCULATE THE STORMWATER QUALITY PONDS REQUIRED FOR THIS PROJECT. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS WAS USED. THE STORM EVENTS ANALYZED WERE THE (100-YEAR, 6-HOUR), (100-YEAR, 24-HOUR), AND THE (100-YEAR, 10 DAY) STORMS. THE SITE IS LOCATED IN PRECIPITATION ZONE 1 AS DESIGNATED IN TABLE A-1 OF THE DPM. EXISTING BASIN INFORMATION WAS OBSERVED THROUGH ONSITE VISIT AND TOPOGRAPHIC SURVEY.

EXISTING CONDITIONS: THE PROJECT SITE IS A 9200 SF (0.212 ACRES) VACANT LOT WITH SOME NATURAL VEGETATION.

BASIN 100 ENCOMPASSES THE PROJECT SITE OF 0.212 ACRES AND BASIN 100 GENERALLY SLOPES TO THE SOUTHEAST.

BASIN		AREA	LAND TREATMENT (%)			Q _P (100)	V ₍₁₀₀₋₂₄₎	V ₍₁₀₀₋₂₄₎	
DASIN	DESCRIPTION	ACRE	А	В	С	D	(CFS)	(AC-FT)	(CF)
100	Lot	0.212	0	0	100	0	0.6	0.0168	730

Table 1: Existing Hydrology

PROPOSED CONDITIONS THE PROJECT CONSISTS OF PLACING ONE 23' X 28' MODULAR BUILDIDNG ON THE SITE. THE PROJECT WILL INCREASE THE IMPERVIOUS AREA. THE MODUAR BULDING HAS A PITCH ROOF THEREFORE TWO NEW BASINS WERE CREATED AND TWO NEW OTHER BASINS FOR THE STORM WATER QUALITY PONDS.

BASIN		AREA	LAND TREATMENT (%)			Q p (100)	V(100-24)	V(100-24)	
DASIN	DESCRIPTION	ACRE	Α	В	С	D	(CFS)	(AC-FT)	(CF)
201	Structure East	0.0103	0	0	0	100	0.042346	0.0022	96
202	Structure West	0.0103	0	0	0	100	0.042346	0.0022	96
203	East Pond	0.0029	0	0	0	100	0.012107	0.0006	27
204	West Pond	0.0029	0	0	0	100	0.012107	0.0006	27
205	Lot	0.1852	0	0	100	0	0.532577	0.0147	640
TOTAL		0.2117					0.641481	0.0203	1771

Table 2: Proposed Hydrology

Stormwater Quality Pond A (West)

Impervious Area *.42 in = 448sf*(.42in//12) = 15.68^3 = .000359ac-ft									
Elevation	Depth	Area		∆Volume	Total Volume				
(ft)	(ft)	(sq ft)	(ac)	(ac-ft)	(ac-ft)				
5076	0.000	73	0.001676	0	0				
5075.75	0.250	65	0.001492	0.000396006	0.000396006				
5075.5	0.500	40	0.000918	0.000301309	0.000697314				

Stormwater Quality Pond B (East)

Impervio	Impervious Area *.42 in = 448sf*(.42in//12) = 15.68^3 = .000								
Elevation	Depth	A	rea	ΔVolume	Total				
(ft)	(ft)	(sq ft)	(ac)	(ac-ft)	(a				
5076	0.000	73	0.001676	0					
5075.75	0.250	65	0.001492	0.000396006	0.000				
5075.5	0.500	40	0.000918	0.000301309	0.000				

Table 3 and 4: Proposed Stormwater Quality Ponds

CONCLUSIONS

THERE IS AN INCREASE IN IMPERVIOUS AREA THEREFORE THERE IS AN INCREASE IN PEAK FLOW RATES AND ADDITIONAL VOLUME OF RUNOFF. THE DRAINAGE PATTERNS HAVE NOT BEEN ALTERED, RUNOFF DRAINAGE WILL CONTINUE TO FREE DISCHARGE TO 60TH ST. TO ENSURE RUNOFF DRAINAGE CONTINUES TO DISCHARGE TO 60TH STREET, DRAIN LINES THROUGH EXISTING CURB WILL BE INSTALLED. THE FINISHED FLOOR OF THE MONDULAR BUILDING WILL BE 1.67' ABOVE THE BASE FLOOD ELEVATION OF 5076. THE PROPOSED 100-YR, 24-HR PEAK DISCHARGE REMAINS AT 0.61 CFS AND A PROPOSED RUNOFF VOLUME OF 0.01 ACRE-FT.

INPUT DATA:

PRECIP.RAINFALL DEPTHS (INCHES)ZONE1 HOUR6 HOUR24 HOUI 1 1.69 2.17 2.49

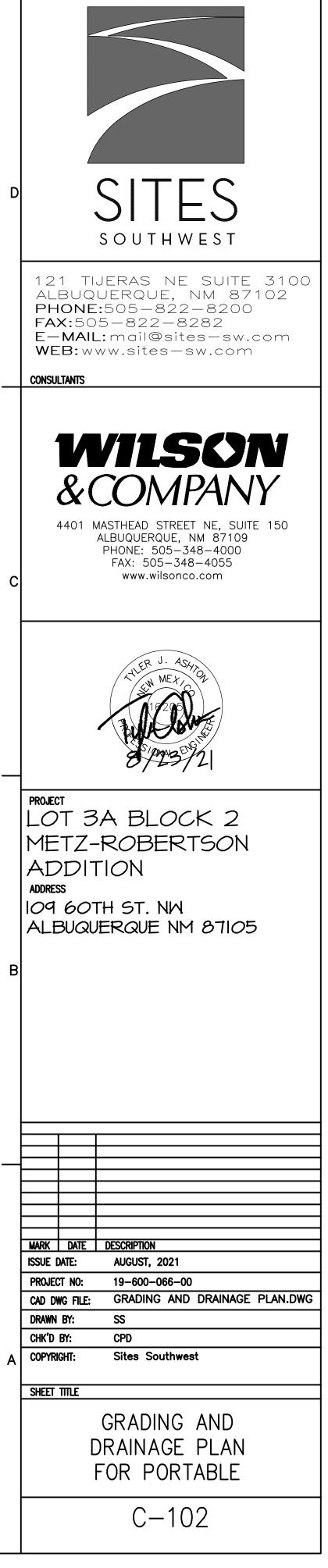
L	INES	
ì	2335	

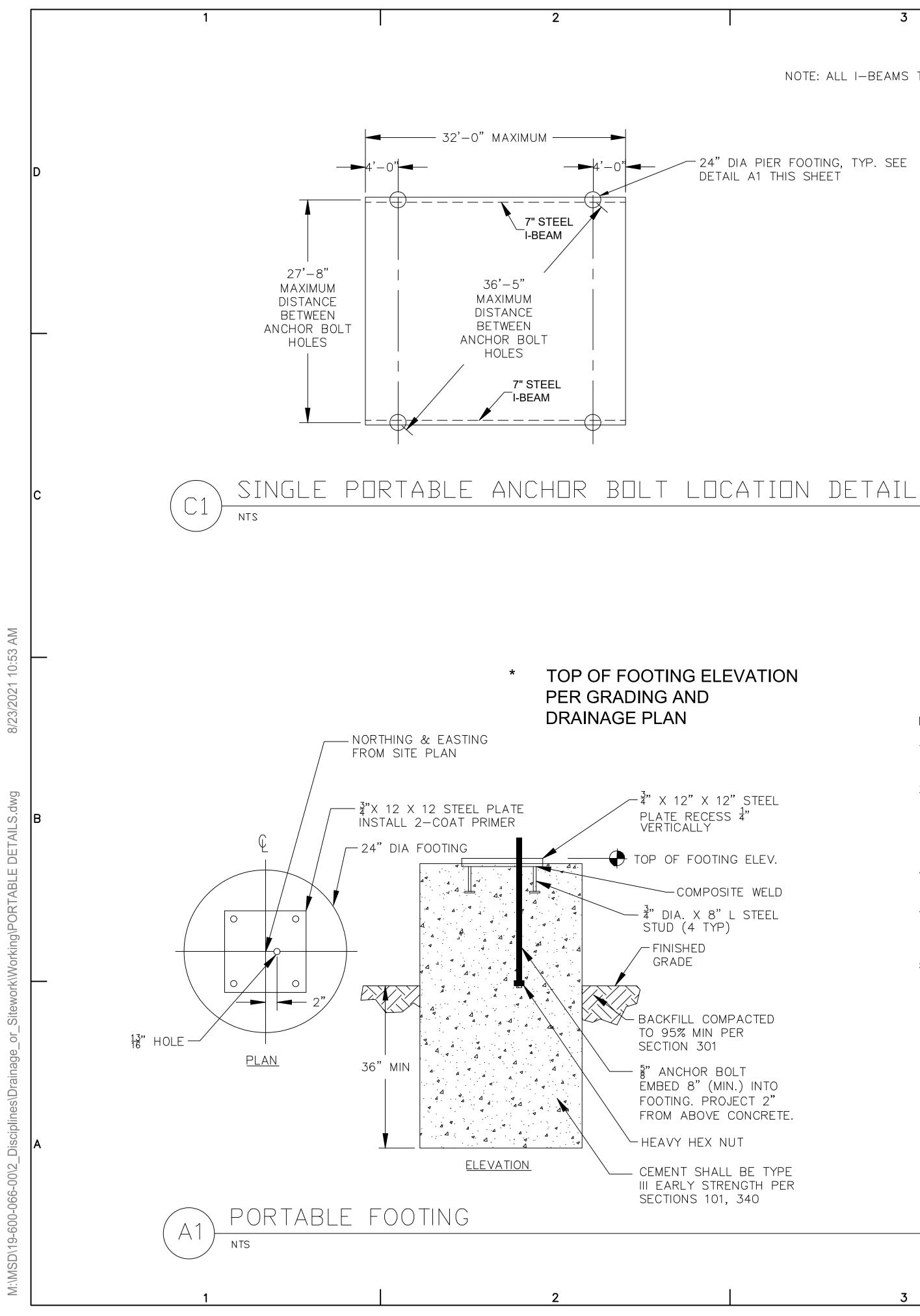
ROJECT N	AME:	109 60th St. NW							2 YEAR			10YEAR			100 YEAR	2
OB NUMBE	R:	19-600-066-00	AREA	LAND	TREAT	I ENTS		Q	VOLUMI	E (ac.ft.)	Q	VOLUME (ac.f	ft.)	Q	VOLUME (a	c.ft.)
BASIN	COND.	DESCRIPTION	(acres)	Α	B	С	D	(cfs)	6 HR	24 HR	(cfs)	6 HR	24 HR	(cfs)	6 HR	24 HR
100	Existing	Lot w/o portable	0.2117	0.0%	0.0%	100.0%	0.0%	0.11	0.0023	0.0023	0.31	0.0078	0.0078	0.61	0.0168	0.0168
201	Proposed	Structure East	0.0103	0.0%	0.0%	0.0%	100.0%	0.02	0.0008	0.0009	0.03	0.0011	0.0012	0.0423	0.0019	0.0022
202	Proposed	Structure West	0.0103	0.0%	0.0%	0.0%	100.0%	0.02	0.0008	0.0009	0.03	0.0011	0.0012	0.04	0.0019	0.0022
203	Proposed	East Pond	0.0029	0.0%	0.0%	0.0%	100.0%	0.00	0.0002	0.0003	0.01	0.0003	0.0004	0.01	0.0005	0.0006
204	Proposed	West Pond	0.0029	0.0%	0.0%	0.0%	100.0%	0.00	0.0002	0.0003	0.01	0.0003	0.0004	0.01	0.0005	0.0006
205	Proposed	Lot	0.1852	0.0%	0.0%	100.0%	0.0%	0.09	0.0020	0.0020	0.27	0.0068	0.0068	0.53	0.0147	0.0147

4

359ac-ft	
Volume	
ac-ft)	
0	
0396006	
0697314	

ES) A	AT 100-YE	AR STORM
UR	4 DAY	10 DAY
	3.12	3.90





4

NOTE: ALL I-BEAMS TO BE CENTERED OVER PIERS.

-24" DIA PIER FOOTING, TYP. SEE DETAIL A1 THIS SHEET

NOTES:

- 1. ANCHOR BOLT MAY BE CAST INTO FOOTING OR DRILLED AND EPOXIED.
- 2. IF DRILLED AND EPOXIED, THE CONTRACTOR SHALL SUBMIT THE EPOXY TO BE USED TO THE PROJECT MANAGER, ALONG WITH TECHNICAL DATA SHOWING THE LRFD FACTORED CAPACITY.
- 3. ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 55 AND SHALL BE GALVANIZED.
- 4. ANCHOR BOLTS MAY BE HOOKED OR A NUT MAYBE THREADED ON THE THE EMBEDDED END.
- 5. TWO HEAVY HEX NUTS SHALL BE USED TO FASTEN THE BOTTOM FLANGE OF THE SUPPORT BEAM TO THE FOUNDATION.

3

4

