# CITY OF ALBUQUERQUE

Planning Department David Campbell, Director



July 30, 2018

Jeffrey T. Wooten, P.E. Wooten Engineering 1005 21st Street SE, Suite 13 Rio Rancho, NM, 87124

RE: Wecks Restaurant – 7301 Paseo Del Norte Blvd NE

**Grading and Drainage Plan** Engineer's Stamp Date: 07/20/18

**Hydrology File: C19D008** 

Dear Mr. Wooten:

Albuquerque

NM 87103

Based upon the information provided in your resubmittal received 07/20/2018, the Grading and PO Box 1293

Drainage Plan is approved for Building Permit and Grading Permit.

Please attach a copy of this approved plan in the construction sets for Building Permit processing

along with a copy of this letter and the pad certification approval letter.

Prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer

Please provide two Private Facility Drainage Covenants per Chapter 17 of the DPM prior to

Certification per the DPM checklist will be required and a formal Elevation Certificate needs to

be submitted to Hydrology.

www.cabq.gov Permanent Release of Occupancy. One covenant is for the first flush pond on Wecks' property

and one covenant is for the retention pond on the church's property. Please submit these to the

4th floor of Plaza de Sol. A \$25 fee for each will be required.

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

Sincerely,

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

Renée C. Brissette

Planning Department



# City of Albuquerque

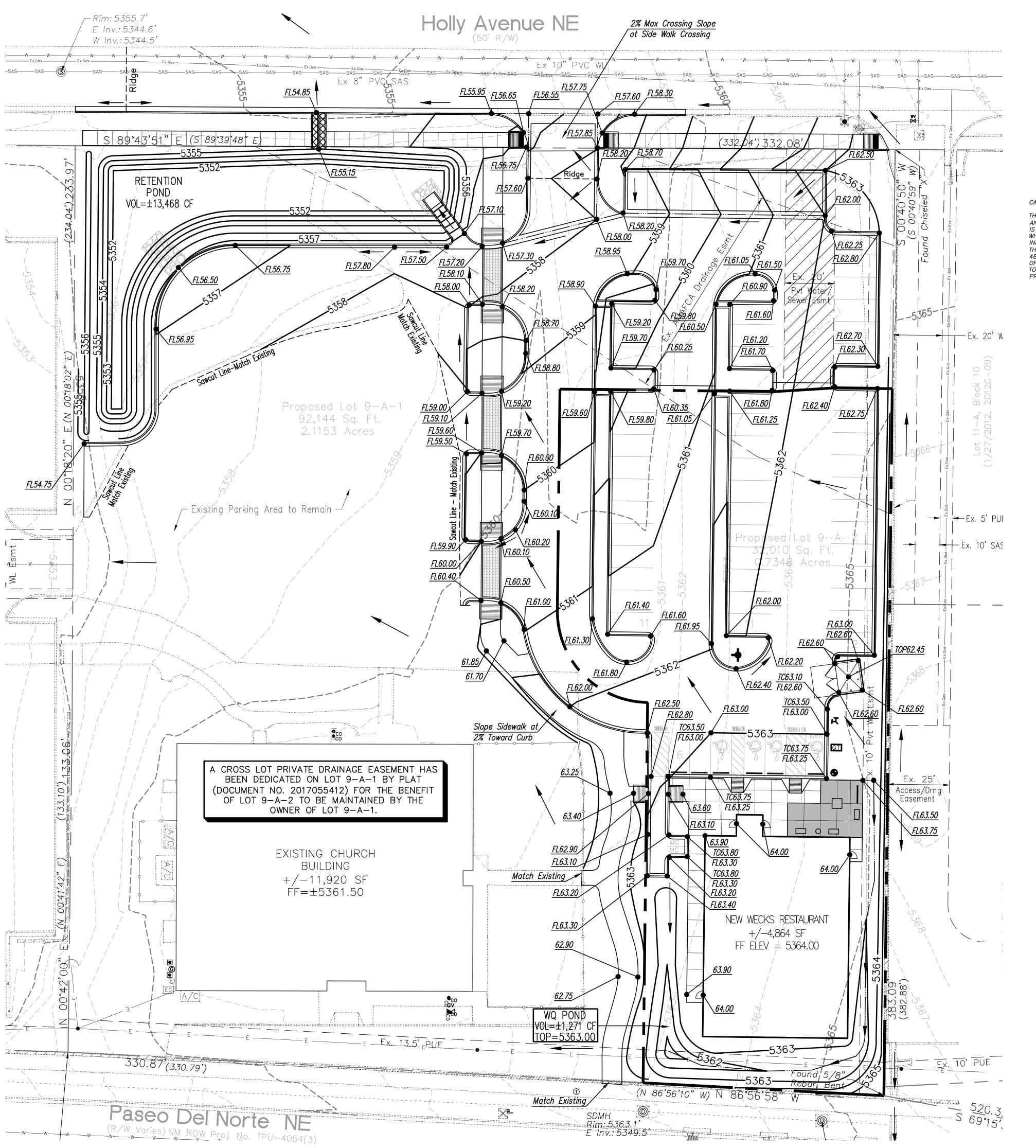
### Planning Department

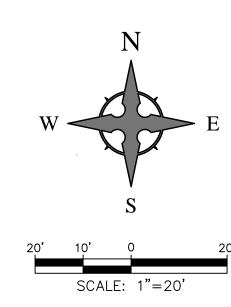
### Development & Building Services Division

#### DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Work Order#:
Contact: Jeffrey T. Wooten, P.E. , NM 87124  n/a E-mail: jeffwooten.pe@gmail.cor  Contact:  E-mail:  E-mail:  TYPE OF APPROVAL/ACCEPTANCE SOUGHT:  X BUILDING PERMIT APPROVAL
Contact: Jeffrey T. Wooten, P.E. , NM 87124  n/a
, NM 87124  n/a
, NM 87124  n/a
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SO-19 APPROVAL  PAVING PERMIT APPROVAL  GRADING/PAD CERTIFICATION  WORK ORDER APPROVAL  CLOMR/LOMR  FLOODPLAIN DEVELOPMENT PERMIT
OTHER (SPECIFY)  Jeffrey T. Wooten, P.E.

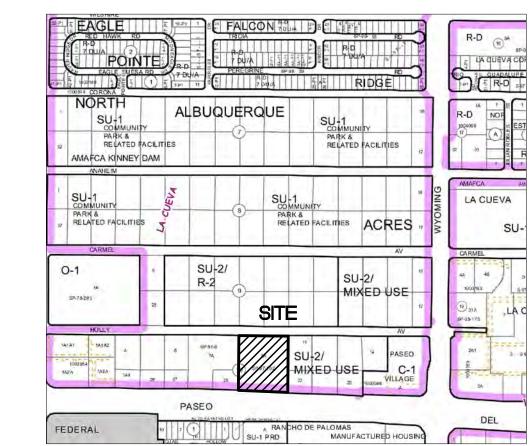
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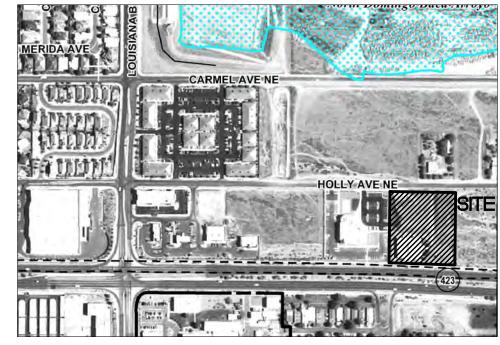
#### CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL NEW MEXICO ONE CALL (811) AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



# VICINITY MAP - Zone Map C-19-Z

Legal Description: Lot 9-A-2, Block 10, NORTH ALBUQUERQUE ACRES, TR 2, UNIT 3



## FIRM MAP 35001C0109H

Per FIRM Map 35001C0109H, dated August 16, 2012, the site is not located in the Floodplain and determined to be outside the 0.2% chance Annual

# GRADING NOTES

SHOWN OTHERWISE.

1. EXCEPT AS PROVIDED HEREIN, GRADING SHALL BE PERFORMED AT THE ELEVATIONS AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS PLAN.

2. THE COST FOR REQUIRED CONSTRUCTION DUST AND EROSION CONTROL

MEASURES SHALL BE INCIDENTAL TO THE PROJECT COST.

3. ALL WORK RELATIVE TO FOUNDATION CONSTRUCTION, SITE PREPARATION, AND PAVEMENT INSTALLATION, AS SHOWN ON THIS PLAN, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "GEOTECHNICAL INVESTIGATION," AS PROVIDED BY THE ARCHITECT OR OWNER. ALL OTHER WORK SHALL, UNLESS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE PROJECT,

STANDARD SPECIFICATIONS FOR PUBLIC WORKS (SECOND PRIORITY).

4. EARTH SLOPES SHALL NOT EXCEED 3 HORIZONTAL TO 1 VERTICAL UNLESS

(FIRST PRIORITY) SPECIFICATIONS, AND/OR THE CITY OF ALBUQUERQUE (COA)

5. IT IS THE INTENT OF THESE PLANS THAT THIS CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE OF THE PROPERTY BOUNDARIES EXCEPT AS REQUIRED BY THIS PLAN.

6. THE CONTRACTOR IS TO ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHT—OF—WAY. THIS SHOULD BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS OR SILT FENCE AT THE PROPERTY LINES AND WETTING THE SOIL TO PROTECT IT FROM WIND EROSION.

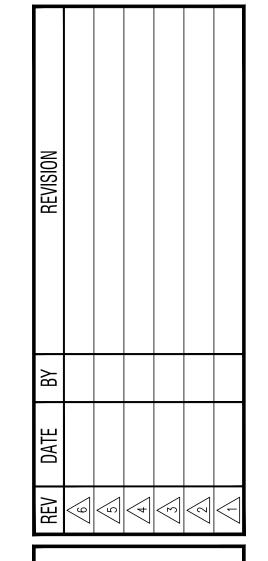
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8. PAVING AND ROADWAY GRADES SHALL BE +/- 0.05' FROM PLAN ELEVATIONS. PAD ELEVATION SHALL BE +/- 0.05' FROM BUILDING PLAN ELEVATION.

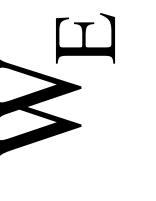
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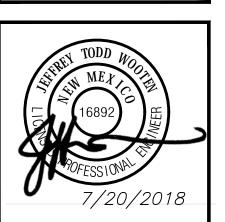
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11. THE CONTRACTOR SHALL PROVIDE THE SWPPP DOCUMENT (IF NECESSARY) AND SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS, INCLUDING EPA REQUIREMENTS WITH RESPECT TO STORM WATER DISCHARGE.



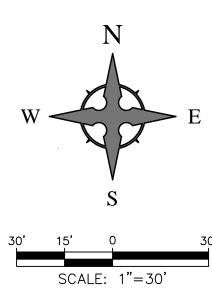
W OOLEII EIIGIIIEEIIII 1005 21st St SE, Suite A5 Rio Rancho, N.M. 87124 Phone: (505) 980-3560





			DRAWN BY:	JEFF WOOTEN		
	<b>⊢</b> Z:	NE CO 87113	JOB NO.	2016024		
PROJECT TITLE	WECKS RESTAURANT	7301 PASEO DEL NORTE NE ALBUQUERQUE, NEW MEXICO 87113	PROJECT MANAGER	JEFF WOOTEN	SHEET TILE Gradina Plan	
DAT O	7.20	.2018		sheet-		1

PER PLAN



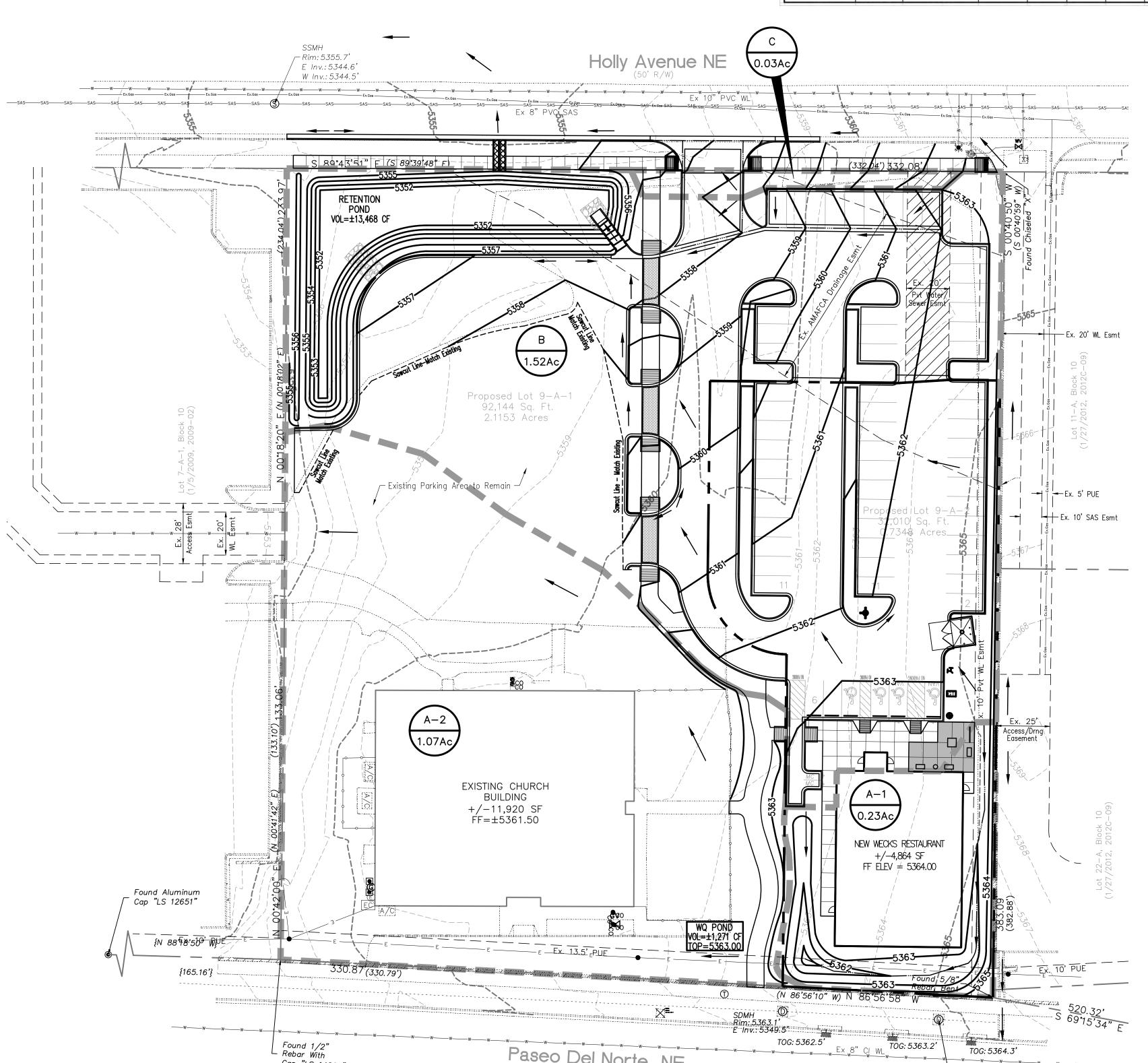
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Cap "LS 14269"

A CROSS LOT PRIVATE DRAINAGE EASEMENT HAS BEEN DEDICATED ON LOT 9-A-1 BY PLAT (DOCUMENT NO. 2017055412) FOR THE BENEFIT OF LOT 9-A-2 TO BE MAINTAINED BY THE OWNER OF LOT 9-A-1.

			Pre-	Develo	oed Dra	inage (	Calculat	tions				
	This	table is based o	n the COA DP	M Section	22.2, Zone:	3						
BASIN	Area	Area	Lan	d Treatment	Percentage	es	Q(100)	Q(100)	WTE	V(100) <sub>360</sub>	V(100) <sub>1440</sub>	V(100) <sub>10d</sub>
	(SQ. FT)	(AC.)	Α	В	С	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)
A-1	10016	0.23	0.0%	0.0%	8.0%	92.0%	4.89	1.13	2.27	1898	2206	3127
A-2	46761	1.07	0.0%	0.0%	36.0%	64.0%	4.45	4.78	1.97	7695	8693	11686
В	66012	1.52	0.0%	0.0%	22.0%	78.0%	4.67	7.08	2.12	11687	13404	18553
С	1429	0.03	0.0%	0.0%	44.0%	56.0%	4.33	0.14	1.89	225	252	332
TOTAL	124218	2.85						13.13		21506	24554	33697
			Post-De	veloped	   Draina	ge Cal	culation	18				
			Ultimate	Developme	nt Conditio	ons Basin L	Data Table					
	This	table is based o	n the COA DP	M Section	22.2, Zone:	3						
	Area	Area	Lan	d Treatment	Percentage	es	Q(100)	Q(100)	WTE	V(100) <sub>360</sub>	V(100) <sub>1440</sub>	V(100) <sub>10d</sub>
BASIN				В	С	D	(cfs/ac.)	(CFS)	(inches)	(CF)	(CF)	(CF)
BASIN	(SQ. FT)	(AC.)	Α	Ь	0		(-1-,-1-,)					
BASIN A-1	(SQ. FT) 10016	(AC.) 0.23	0.0%	0.0%	47.0%	53.0%	4.28	0.98	1.86	1550	1727	2258
			112				1	0.98 4.70	1.86 1.92	1550 7487	1727 8406	2258 11165
A-1	10016	0.23	0.0%	0.0%	47.0%	53.0%	4.28					
A-2	10016 46761	0.23 1.07	0.0%	0.0%	47.0% 41.0%	53.0% 59.0%	4.28 4.38	4.70	1.92	7487	8406	11165



(R/W Varies) NM ROW Proj. No. TPU-4054(3)

### DRAINAGE MANAGEMENT PLAN

The purpose of this submittal is to provide a final drainage management plan for the Redevelopment of Lot 9-A-2, Block 10, North Albuquerque Acres, Tr 2, Unit 3. The property address is 7301 Paseo Del Norte NE per the Vicinity Map this sheet. The site is generally located on Paseo Del Norte NE between Louisiana Blvd NE and Wyoming Blvd NE and contains approximately 0.73 acres. The site is located in COA Hydrologic Zone 3.

#### EXISTING HYDROLOGIC CONDITIONS

The currently site consists of an overflow asphalt parking lot serving the New Covenant Church site to the west. This parking lot will be demolished in order to construct the new Wecks building, parking lot, and landscape areas. There are 3 Drainage Basins on site.

Basin A (A-1) and A-2 currently flows from east to west and onto the New Covenant Church site to the west (Lot 7-A-1). These flows traverse the church parking lot west and then north into Holly Ave. Per the Calculations table this sheet, the total existing flow discharging from the site and onto the church site is 5.91 cfs (9,593 CF) during the 100-Yr, 6-Hr Storm

Basin B currently drains from southeast to northwest and into a very small pond located at the northwest corner of the site. The pond overflows into Holly Ave, north across Holly, and then west along Holly Ave in an earthen swale which ultimately drains to a local pond and then north onto the La Cueva High School property. Per the Calculations table this sheet, the total existing flow discharging from the site and onto Holly Ave is 7.08 cfs (11,687 CF) during the 100-Yr, 6-Hr Storm Event.

Basin C is a very small area draining directly onto Holly Ave. Per the Calculations table this sheet, the total existing flow discharging from Basin C is 0.14 cfs (225 CF) during the 100-Yr, 6—Hr Storm Event.

### PROPOSED HYDROLOGIC CONDITIONS

Basin A (A-1) and A-2 will continue to flow from east to west and onto the New Covenant Church site to the west (Lot 7-A-1). These flows traverse the church parking lot west and then north into Holly Ave. Per the Calculations table this sheet, the total proposed flow discharging from the site and onto the church site is 5.68 cfs (9,037 CF) during the 100-Yr, 6—Hr Storm Event. This is a reduction of 0.23 cfs (556 CF). In addition, we are proposing a water quality pond at the southwest corner of the new Weck's building that will capture and treat 1,271 CF.

Basin B will continue to drain from southeast to northwest and into a new retention / water quality pond located at the northwest corner of the site. We are providing a retention pond that fully captures the 100-Yr, 6-Hr storm in order to minimize the impact of our site to an existing erosion problem on private property on the north side of Holly Ave. Other than the minor flows from Basin C, there will be a zero contribution from both Lot 9-A-1 and Lot 9-A-2 to this erosion problem. The total reduction of flows to the north side of Holly from our site is 7.08 cfs (11,687 CF).

Basin C is a very small area draining directly onto Holly Ave. Per the Calculations table this sheet, the total proposed flow discharging from Basin C is 0.13 cfs (196 CF) during the 100-Yr, 6-Hr Storm Event. This is a reduction of 0.01 cfs (29 CF). A Water Quality Pond is not being provided for this Basin.

# CONCLUSION

This drainage management plan provides for grading and drainage elements which reduce the impact to downstream systems; are capable of safely passing the 100 year storm, do not burden downstream systems, and meet city requirements. With this submittal, we are requesting approval of the Grading Permit and Building Permit.

# FIRST FLUSH CALCULATIONS

BASIN A-1
EXISTING SITE CONDITIONS
PERVIOUS AREA: 799 SF IMPERVIOUS AREA: 9,217 SF
TOTAL AREA: 10,016 SF
% IMPERVIOUS = 92%

PROPOSED SITE CONDITIONS PERVIOUS AREA: 4,710 SF IMPERVIOUS AREA: 5,306 SF TOTAL AREA: 10,016 SF % IMPERVIOUS = 53%

FIRST FLUSH CALCULATION TOTAL IMPERVIOUS AREA = 5,306 SF FIRST FLUSH = 5.306 \* 0.26" / 12 = 115 OFPROMDED = 1.271 CF

# BASIN B

TOG: 5364.3'

└─SDMH Rim: 5364.7

**EXISTING SITE CONDITIONS** PERVIOUS AREA: 14,237 SF IMPERVIOUS AREA: 51.775 SF TOTAL AREA: 66,012 SF % IMPERVIOUS = 78% PROPOSED SITE CONDITIONS PERVIOUS AREA: 17,592 SF IMPERVIOUS AREA: 48,420 SF TOTAL AREA: 66,012 SF % IMPERVIOUS = 73%

FIRST FLUSH CALCULATION TOTAL IMPERVIOUS AREA = 48,420 SF PROMDED = 13,468 CF

# BASIN A-2

EXISTING SITE CONDITIONS PERVIOUS AREA: 16,836 SF IMPERVIOUS AREA: 29,925 SF TOTAL AREA: 46,761 SF % IMPERVIOUS = 64%

PROPOSED SITE CONDITIONS PERVIOUS AREA: 19,333 SF IMPERVIOUS AREA: 27,428 SF TOTAL AREA: 46,761 SF % IMPERVIOUS = 59%

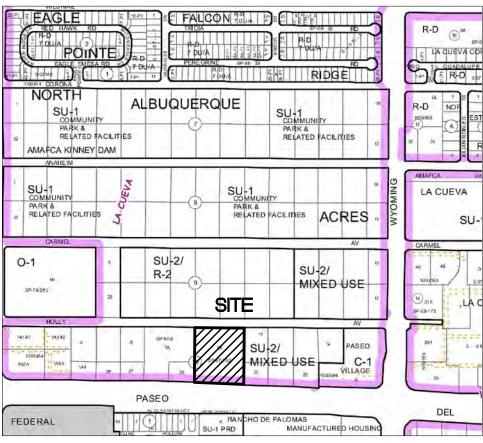
FIRST FLUSH CALCULATION TOTAL IMPERVIOUS AREA = 27,428 SF FIRST FLUSH = N/A SINCE THS AREA IS EXISTING

# BASIN C

EXISTING SITE CONDITIONS PERVIOUS AREA: 601 SF IMPERVIOUS AREA: 828 SF TOTAL AREA: 1,429 SF % IMPERVIOUS = 56%PROPOSED SITE CONDITIONS PERVIOUS AREA: 952 SF IMPERVIOUS AREA: 477 SF TOTAL AREA: 1,429 SF % IMPERVIOUS = 33%

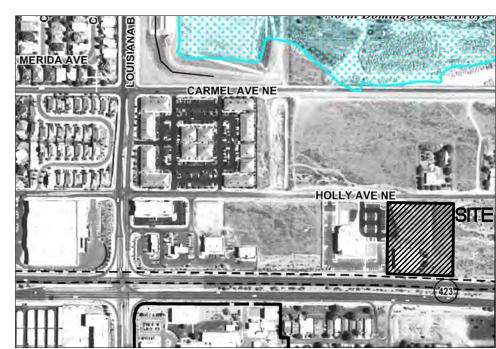
FIRST FLUSH CALCULATION

TOTAL IMPERVIOUS AREA = 477 SF FIRST FLUSH = 48,420 \* 0.26" / 12 = 1.049 GF FIRST FLUSH = N/A SINCE IMPERMOUS AREA IS REDUCED



# VICINITY MAP - Zone Map C-19-Z

Legal Description: Lot 9-A-2, Block 10, NORTH ALBUQUERQUE ACRES, TR 2, UNIT 3



## FIRM MAP 35001C0109H

Per FIRM Map 35001C0109H, dated August 16, 2012, the site is not located in the Floodplain and determined to be outside the 0.2% chance Annual

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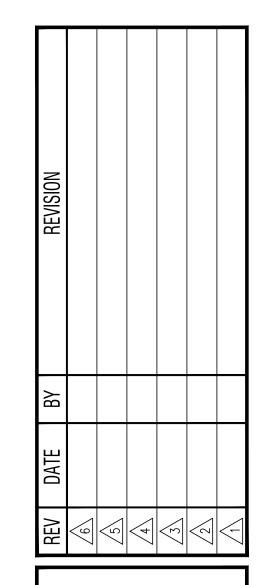
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14739 CF

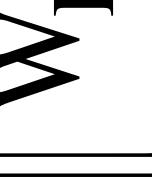
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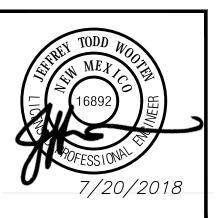
	WATER QUALITY POND	VOLUME CALCULATIONS	<u> </u>
	CONTOUR ELEVATION	AREA (SF)	VOLUME (C
POND 'A-1'	5361.00	26.0 SF	– 176 CF
	5362.00	326.0 SF <	– 1095 CF
	5363.00	1864.0 SF	1033 01
	TOTAL		1271 CF
POND 'B'	5352.00	3128.0 SF <	– 3575 CF
	5353.00	4022.0 SF	
	5354.00	4940.0 SF	- 4481 CF
	5355.00	5884.0 SF	- 5412 CF
	TOTAL		13468 CF

**GRAND TOTAL** 

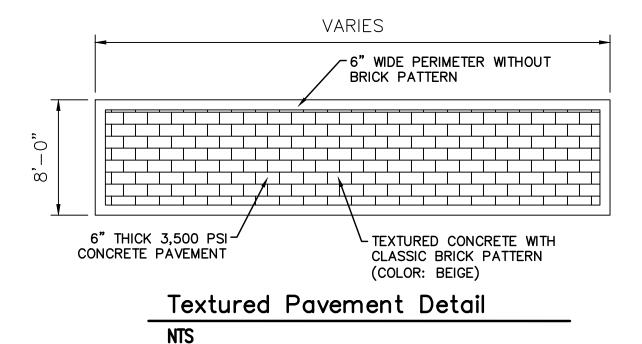


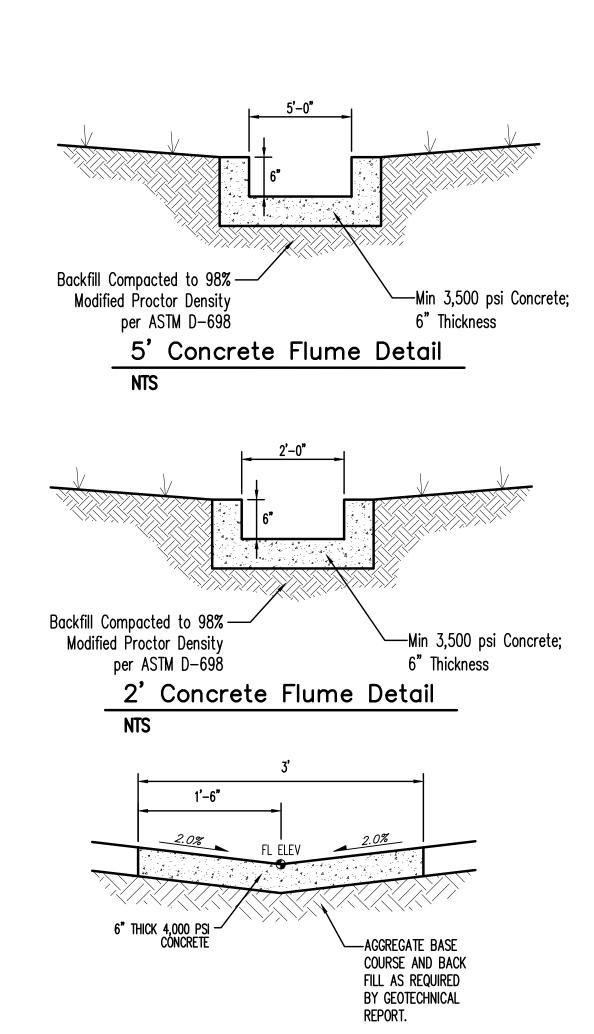
Engineering St SE, Suite A5 o, N.M. 87124 5) 980-3560 Wooten E 1005 21st St S Rio Rancho, N Phone: (505)



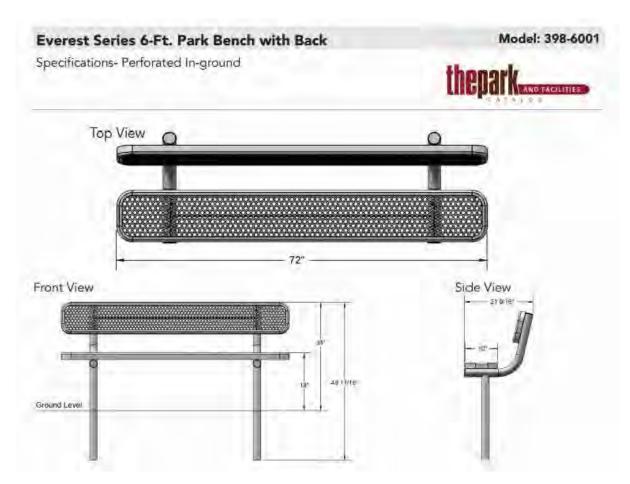


	DRAWN BY: Jeff Wooten	. Plan	
.NT ne ico 87113	JOB NO. 2016024	nagement	
WECKS RESTAURANT 7301 PASEO DEL NORTE NE ALBUQUERQUE, NEW MEXICO 87113	PROJECT MANAGER JEFF WOOTEN	shermue Drainage Management Plan	
E:	sheet-		

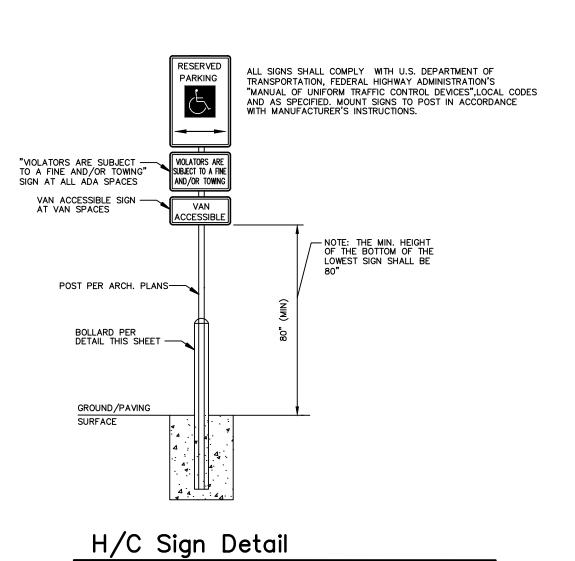


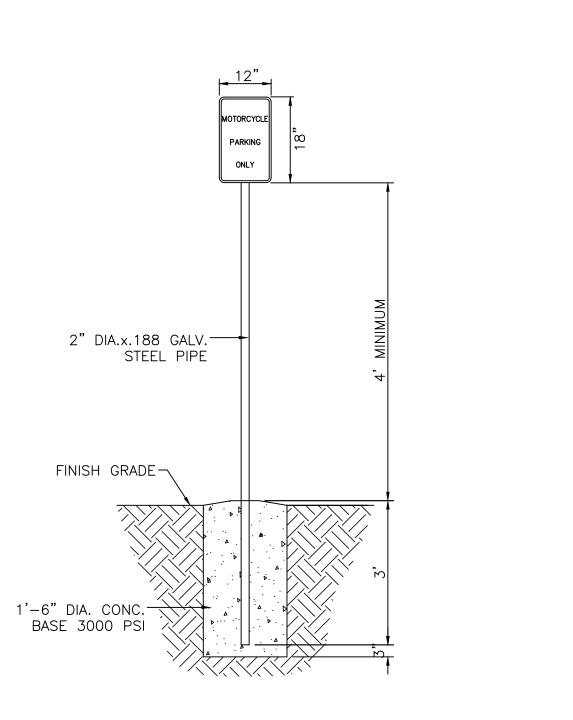


Valley Gutter Detail

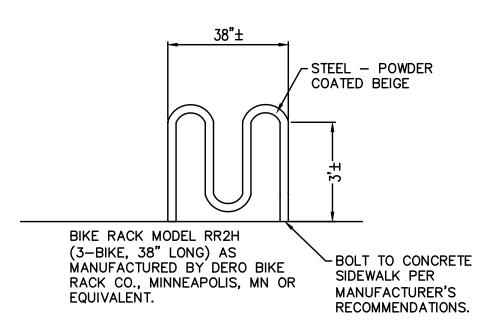


Bench Detail

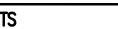


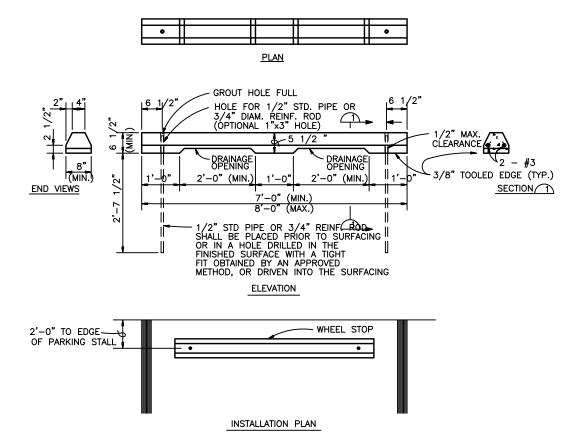




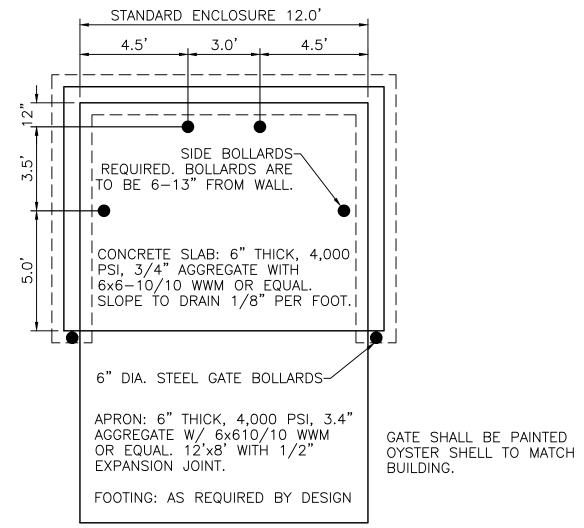


Bike Rack Detail

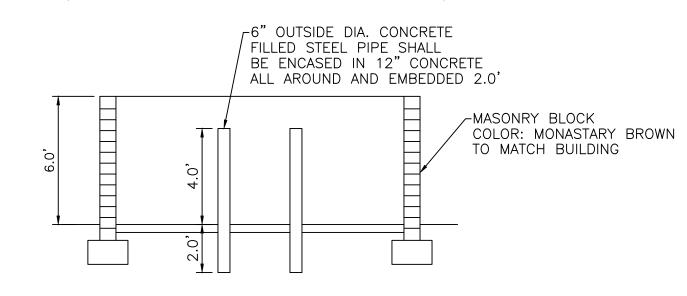




Precast Concrete Wheel Stop

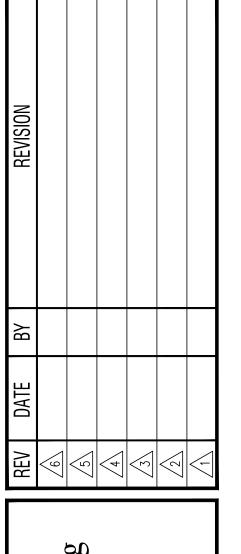


APRON REQUIRED IN FRONT OF EACH ENCLOSURE. (6" WITH REINFORCING TO WITHSTAND 57,000 LBS.)

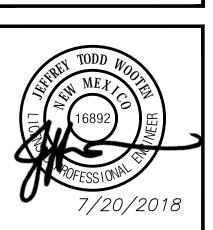


NOTE: THESE ARE THE MINIMUM REQUIREMENTS FOR TRASH ENCLOSURES. DESIGNS MAY VARY TO FIT THE SELECTED ENCLOSURE.

# Dumpster Enclosure Detail



Wooten Engineering
1005 21st St SE, Suite A5
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PROJECT TITLE			
WECKS RESTAURANT	$\vdash$		
7301 PASEO DEL NORTE NE	NE OD 87113		
ALDOGOLINGOL, INLW INLAN	01110		
PROJECT MANAGER	JOB NO.	DRAWN BY:	
JEFF WOOTEN	2016032	JEFF WOOTEN	
SHEET TITLE			
Site Details			