CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director

Mayor Timothy M. Keller

August 25, 2021

Fred C. Arfman, P.E.
Isaacson & Arfman, P.A.
128 Monroe St. N.E
Albuquerque, NM 87108

RE: Albuquerque RV & Boat Storage
2201 Vista Oriente St. NW
3rd Revised Grading and Drainage Plan
Engineer's Stamp Date: 07/08/21
Hydrology File: H10D030

Dear Mr. Arfman:

Based upon the information provided in your submittal received 08/03/2021, the Third Revised Grading & Drainage Plan is approved for Building Permit and SO-19 Permit.

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 approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

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.

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

POND P2		
Contour	Area	Volume
5181.50	5335	
5181.00	3252	2147 CF
5180.00	1372	2312 CF
5179.00	618	995 CF
TOTAL VOL.		5454 CF
REQUIRED		3816 CF

S.O.19 : NOTICE TO CONTRACTORS

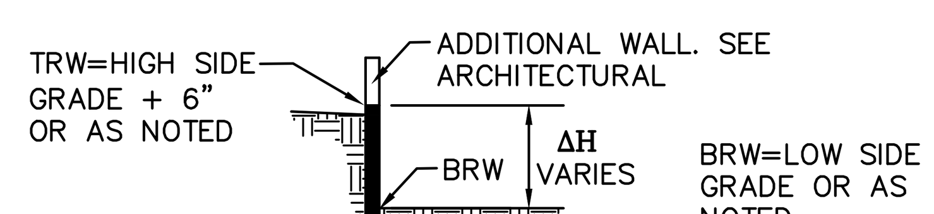
PRIVATE DRAINAGE FACILITES WITHIN CITY RIGHT-OF-WAY

1. Build sidewalk culvert per COA STD DWG 2236.
2. Contact Storm Drain Maintenance at (505) 857-8033 to schedule a meeting prior to forming.
3. An excavation permit will be required before beginning any work within City Right-Of-Way.
4. All work on this project shall be performed in accordance with applicable federal, state and local laws, rules and regulations concerning construction safety and health.
5. Two working days prior to any excavation, the contractor must contact **New Mexico One Call, dial "811"** [or (505) 260-1990] for the location of existing utilities.
6. Prior to construction, the contractor shall excavate and verify the locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
7. Backfill compaction shall be according to traffic/street use.
8. Maintenance of the facility shall be the responsibility of the owner of the property being served.
9. Work on arterial streets may be required on a 24-hour basis.
10. Contractor must contact Storm Drain Maintenance at (505) 857-8033 to schedule a construction inspection. For excavating and barricading inspections, contact Construction Coordination at (505) 924-3416.

(X) KEYED NOTES

KEYED NOTES ARE REFERENCED ON SHEETS CG-101 AND CG-102. NOT ALL NOTES ARE USED ON EACH SHEET.

1. CONSTRUCT ENTRANCE DRIVES, CONCRETE VALLEY GUTTER, PUBLIC SIDEWALK, AND ADA COMPLIANT RAMPS PER COA STD. DETAILS AND SPECIFICATIONS. SEE CP-101 FOR ADDITIONAL INFORMATION.
2. CONSTRUCT NEW PAVING AT ELEVATIONS SHOWN. SEE CP-101 FOR ADDITIONAL INFORMATION FOR MATERIAL, EXTENTS, JOINTS, AND PAVING SECTIONS.
3. CONSTRUCT 6" HIGH CURB (HEADER OR MEDIAN CURB AND GUTTER – OWNER'S OPTION). NOTE: ENGINEER RECOMMENDS MEDIAN CURB AND GUTTER FOR CONCENTRATED FLOWPATHS.
4. CONSTRUCT 2' WIDE CONC. ALLEY GUTTER. SEE CG-501 FOR SECTION.
5. SEE CG-501 FOR SECTION THROUGH EAST PROPERTY LINE.
6. 0.5' DESIGN CONTOURS ARE SHOWN DASHED WHERE NECESSARY TO CLARIFY GRADING CONCEPT.
7. BUILDING AND OVERHEAD CANOPY ROOF DISCHARGE DIRECTION. (OWNER'S OPTION – ENGINEER RECOMMENDS CONCRETE SPLASHPAD FOR CONCENTRATED ROOF DISCHARGE TO ASPHALT PAVEMENT.) SEE BUILDING PLANS FOR SPECIFIC ROOF DISCHARGE INFORMATION.
8. PROVIDE 2' WIDE OPENING(S) IN CURB TO PASS FLOW. INSTALL 4'X4'X8" DEEP ROCK EROSION PROTECTION AT CURB OPENINGS.
9. CONSTRUCT STORMWATER QUALITY RETENTION POND AT ELEVATIONS AND VOLUMES SHOWN. ALL STORMWATER QUALITY PONDING VOLUMES REQUIRE VERIFICATION AS PART OF AN AS-BUILT ENGINEER'S CERTIFICATION PROCEDURE. PONDS WHICH DO NOT PROVIDE THE REQUIRED VOLUME WILL BE CORRECTED AT CONTRACTOR'S EXPENSE.
10. CONSTRUCT PERIMETER RETAINING/PRIVACY WALLS TO ACHIEVE GRADE DIFFERENCE SHOWN. SEE ARCHITECTURAL FOR DETAILS, ADDITIONAL WALL HEIGHT, FOOTING, GUARDRAIL, REINFORCING, ETC. NO STRUCTURE OR FOOTING MAY BE CONSTRUCTED ON ADJACENT PROPERTIES WITHOUT ADJACENT PROPERTY OWNER PERMISSION.

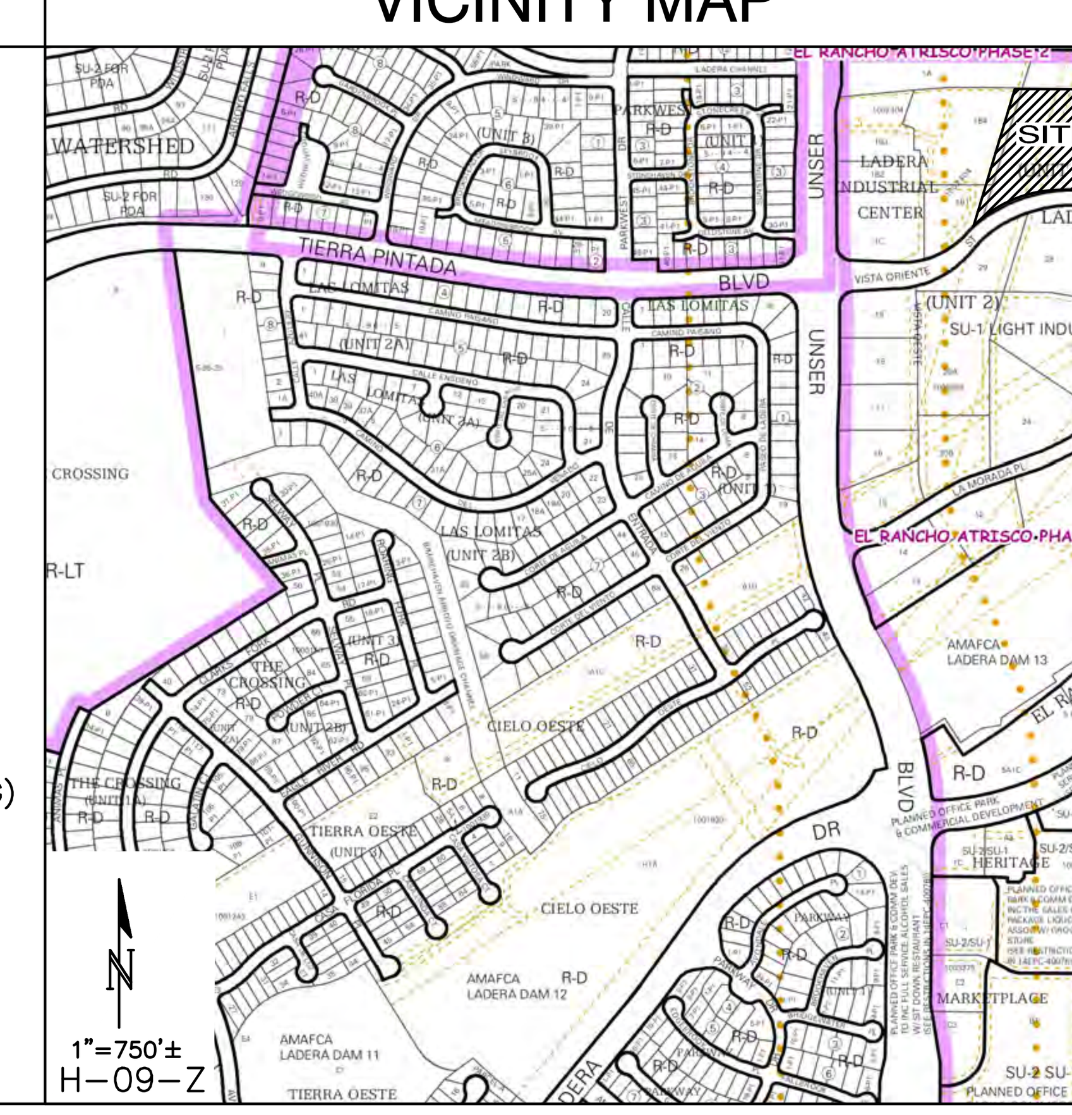


11. SEE CG-102 FOR ENLARGED PLAN OF OUTFALL TO VISTA ORIENTE STREET NW.
12. SEE CG-501 FOR ROCK EROSION PROTECTION DETAIL.
13. UNIT SIDE DOOR. COORDINATE GRADE TRANSITION WITH OWNER.

LEGEND

•5105.65'	EXISTING SPOT ELEVATION
—5110—	EXISTING CONTOUR
—12—	PROPOSED CONTOUR (1' INCREMENT)
—10:5—	PROPOSED CONTOUR (0.5' INCREMENT)
08.9	PROPOSED SPOT ELEVATION
	FLOW ARROW
	PROPOSED STORMWATER QUALITY RETENTION POND LIMITS
	ROOF / CANOPY DISCHARGE DIRECTION
	GRADE BREAK
	EROSION CONTROL (TO EXTENTS SHOWN)
	PERIMETER RETAINING WALL (>16" RETAINING)
	PERIMETER WALL (<16" RETAINING)

VICINITY MAP



FRED C. ARFMAN NEW MEXICO 7322 LICENSED PROFESSIONAL ENGINEER
06.18.19
04-21-2020
12-04-2020
07-08-2021

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87108
Ph. 505-268-8828 www.iacivil.com

2278 CG-101.dwg Jul 09,2021

ABQ RV & BOAT STORAGE

LADERA ENTERPRISES LLC

GRADING & DRAINAGE PLAN 1 OF 2

Date: 05-17-19	No.	Revision:	Date:	Job No. 2278
Drawn By: BJB	1	SITE PLAN REVISIONS	04/20/20	CG-101
	2	SITE PLAN REVISIONS	12/02/20	
Ckd By: FCA	3	GRADE / SITE REVISIONS	07/08/21	SH. OF

M:\PROJECTS\2200-2299\2278\DWG\2278 BUILDING PERMIT\2278 CG-101.dwg Bryan 8/25/2021 3:11 PM

POND P1		
Contour	Area	Volume
5188.00	1080	
5187.00	40	560 CF
TOTAL VOL.		560 CF
REQUIRED		458 CF

WEST CURB TABLE

	FL	TC
CR	88.40	88.90
1	88.37	88.87
2	88.34	--
3	88.31	88.98
CR	88.28	88.93

EAST CURB TABLE

	FL	TC
CR	85.56	86.23
1	86.17	86.84
2	86.78	--
3	87.39	87.89
CR	88.0	88.5

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 08/25/21
BY: Renée C. Brissette
HydroTrans # H10D030

THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY OF ALBUQUERQUE FROM REQUIRING CORRECTION, OR ERROR OR DIMENSIONS IN PLANS, SPECIFICATIONS, OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

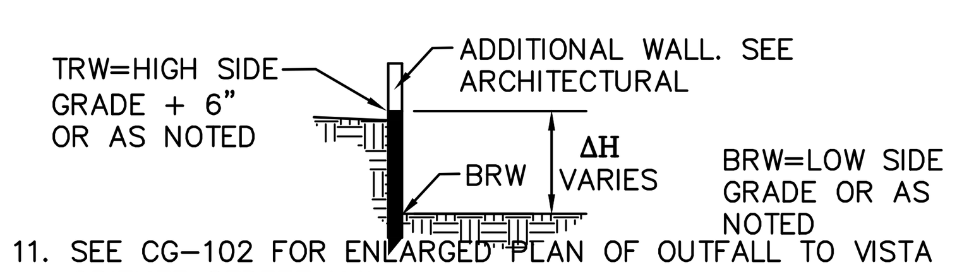
LEGEND

Symbol	Description
•5105.65'	EXISTING SPOT ELEVATION
—5110—	EXISTING CONTOUR
—12—	PROPOSED CONTOUR (1' INCREMENT)
—10.5—	PROPOSED CONTOUR (0.5' INCREMENT)
08.9	PROPOSED SPOT ELEVATION
	FLOW ARROW
	PROPOSED STORMWATER QUALITY RETENTION POND LIMITS
	ROOF / CANOPY DISCHARGE DIRECTION
	GRADE BREAK
	EROSION CONTROL (TO EXTENTS SHOWN)
	PERIMETER RETAINING WALL (>16" RETAINING)
	PERIMETER WALL (<16" RETAINING)

KEYED NOTES

KEYED NOTES ARE REFERENCED ON SHEETS CG-101 AND CG-102. NOT ALL NOTES ARE USED ON EACH SHEET.

1. CONSTRUCT ENTRANCE DRIVES, CONCRETE VALLEY GUTTER, PUBLIC SIDEWALK, AND ADA COMPLIANT RAMPS PER COA STD. DETAILS AND SPECIFICATIONS. SEE CP-101 FOR ADDITIONAL INFORMATION.
2. CONSTRUCT NEW PAVING AT ELEVATIONS SHOWN. SEE CP-101 FOR ADDITIONAL INFORMATION FOR MATERIAL, EXTENTS, JOINTS, AND PAVING SECTIONS.
3. CONSTRUCT 6" HIGH CURB (HEADER OR MEDIAN CURB AND GUTTER – OWNER'S OPTION). NOTE: ENGINEER RECOMMENDS MEDIAN CURB AND GUTTER FOR CONCENTRATED FLOWPATHS.
4. CONSTRUCT 2' WIDE CONC. ALLEY GUTTER. SEE CG-501 FOR SECTION.
5. SEE CG-501 FOR SECTION THROUGH EAST PROPERTY LINE.
6. 0.5' DESIGN CONTOURS ARE SHOWN DASHED WHERE NECESSARY TO CLARIFY GRADING CONCEPT.
7. BUILDING AND OVERHEAD CANOPY ROOF DISCHARGE DIRECTION. (OWNER'S OPTION – ENGINEER RECOMMENDS CONCRETE SPLASHPAD FOR CONCENTRATED ROOF DISCHARGE TO ASPHALT PAVEMENT.) SEE BUILDING PLANS FOR SPECIFIC ROOF DISCHARGE INFORMATION.
8. PROVIDE 2' WIDE OPENING(S) IN CURB TO PASS FLOW. INSTALL 4'X4'X8" DEEP ROCK EROSION PROTECTION AT CURB OPENINGS.
9. CONSTRUCT STORMWATER QUALITY RETENTION POND AT ELEVATIONS AND VOLUMES SHOWN. ALL STORMWATER QUALITY PONDING VOLUMES REQUIRE VERIFICATION AS PART OF AS-BUILT ENGINEER'S CERTIFICATION PROCEDURE. PONDS WHICH DO NOT PROVIDE THE REQUIRED VOLUME WILL BE CORRECTED AT CONTRACTOR'S EXPENSE.
10. CONSTRUCT PERIMETER RETAINING/PRIVACY WALLS TO ACHIEVE GRADE DIFFERENCE SHOWN. SEE ARCHITECTURAL FOR DETAILS, ADDITIONAL WALL HEIGHT, FOOTING, GUARDRAIL, REINFORCING, ETC. NO STRUCTURE OR FOOTING MAY BE CONSTRUCTED ON ADJACENT PROPERTIES WITHOUT ADJACENT PROPERTY OWNER PERMISSION.



11. SEE CG-102 FOR ENLARGED PLAN OF OUTFALL TO VISTA ORIENTE STREET NW.
12. SEE CG-501 FOR ROCK EROSION PROTECTION DETAIL.
13. UNIT SIDE DOOR. COORDINATE GRADE TRANSITION WITH OWNER.

PROJECT DATA

PROPERTY: THE SITE IS A 5.22 ACRE, UNDEVELOPED PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP H-09. THE SITE IS BOUND TO THE LADERA CHANNEL, TO THE WEST AND EAST BY UNDEVELOPED LAND, AND TO THE SOUTH BY VISTA ORIENTE ST NW.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE SELF STORAGE BUILDINGS AND OUTDOOR RV STORAGE WITH ASSOCIATED ASPHALT PAVED ACCESS, PARKING AND LANDSCAPING.

PROPERTY ADDRESS: 2201 VISTA ORIENTE ST. NW, ALBUQUERQUE, 87120

LEGAL: TRACT 1, LADERA BUSINESS PARK, UNIT 2, CITY OF ALBUQUERQUE, BERNALILLO CNTY, NM.

BENCHMARK: BRASS CAP STAMPED "2-H9, 1980", ON THE WEST MESA UNDER POWER LINES RUNNING NE/SW, 0.2 MI. NORTH OF LADERA DR. NW, 111FT. WEST OF THE CENTERLINE OF UNSER BLVD., IN THE MIDDLE OF A SET OF POWERPOLES.

OFF-SITE FLOW: NO OFF-SITE DRAINAGE IMPACTS THIS PROPERTY.

FLOOD HAZARD: PER BERNALILLO COUNTY FIRM MAP #35001C0326J, THE SITE IS LOCATED WITHIN FLOODZONE 'X' DESIGNATED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

DRAINAGE FOR THIS TRACT WAS INCLUDED IN THE LADERA BUSINESS PARK MASTER DRAINAGE REPORT (MDR) BY MARK GOODWIN & ASSOCIATES DATED 11-21-02. PER THE MDR, THIS PROPERTY (DESIGNATED AS BASIN B-1) IS PERMITTED FREE DISCHARGE.

ENGINEER: FRED C. ARFMAN: NMPE 7322 – ISAACSON & ARFMAN, PA
128 MONROE NE 87108 – (505) 268-8828

SURVEYOR: WILL PLOTNER JR: NMPS NO. 14271 – CARTESIAN SURVEYS INC
P.O. BOX 44414 RIO RANCHO, NM 87174 – (505) 891-0244

FRED C. ARFMAN
NEW MEXICO
7322
LICENSED PROFESSIONAL ENGINEER
06.18.19
04-21-2020
12-04-2020
07-08-2021

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87108
Ph. 505-268-8828 www.iacivil.com

2278 CG-101.dwg Jul 08,2021

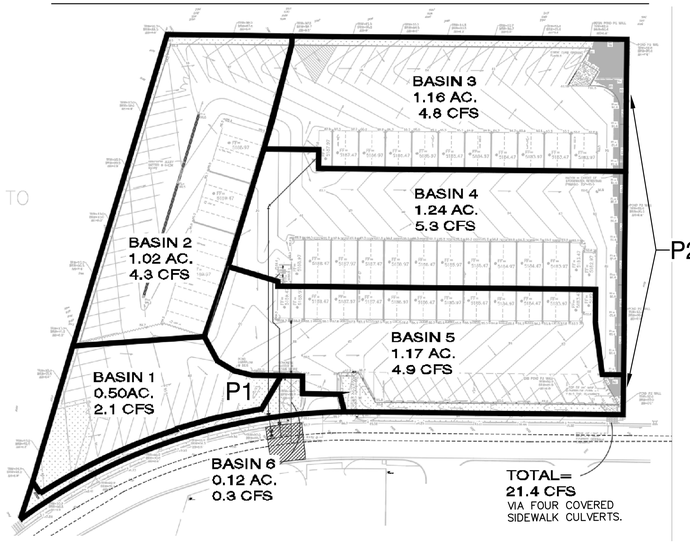
ABQ RV & BOAT STORAGE

LADERA ENTERPRISES LLC

GRADING & DRAINAGE PLAN 2 OF 2

Date:	No.	Revision:	Date:	Job No.
05-17-19	1	SITE PLAN REVISIONS	04/20/20	2278
Drawn By: BJB	2	SITE PLAN REVISIONS	12/02/20	CG-102
	3	GRADE / SITE REVISIONS	07/08/21	
Ckd By: FCA				SH. OF

DRAINAGE BASINS



BASIN CALCULATIONS

BASIN NO. 1	DESCRIPTION			
Area of basin flows =	21870	SF	=	0.50 Ac.
The following calculations are based on Treatment areas as shown in table to the right				LAND TREATMENT
Sub-basin Weighted Excess Precipitation (see formula above)				A = 0.00%
Weighted E =	1.84 in.			B = 10.00%
Sub-basin Volume of Runoff (see formula above)				C = 0.00%
V_{360} =	3348 CF			D = 90.00%
Sub-basin Peak Discharge Rate (see formula above)				FIRST FLUSH VOL
Q_p =	2.1 cfs			557 CF

BASIN 1 DISCHARGES THROUGH STORMWATER QUALITY POND P1 WITH EXCESS FLOW PASSING TO THE SOUTHEAST COVERED SIDEWALK CULVERTS. 557 CF REQUIRED.

BASIN NO. 2	DESCRIPTION			
Area of basin flows =	44504	SF	=	1.02 Ac.
The following calculations are based on Treatment areas as shown in table to the right				LAND TREATMENT
Sub-basin Weighted Excess Precipitation (see formula above)				A = 0.00%
Weighted E =	1.88 in.			B = 7.00%
Sub-basin Volume of Runoff (see formula above)				C = 0.00%
V_{360} =	6983 CF			D = 93.00%
Sub-basin Peak Discharge Rate (see formula above)				FIRST FLUSH VOL
Q_p =	4.3 cfs			1175 CF

BASIN NO. 3	DESCRIPTION			
Area of basin flows =	50335	SF	=	1.16 Ac.
The following calculations are based on Treatment areas as shown in table to the right				LAND TREATMENT
Sub-basin Weighted Excess Precipitation (see formula above)				A = 0.00%
Weighted E =	1.84 in.			B = 10.00%
Sub-basin Volume of Runoff (see formula above)				C = 0.00%
V_{360} =	7753 CF			D = 90.00%
Sub-basin Peak Discharge Rate (see formula above)				FIRST FLUSH VOL
Q_p =	4.8 cfs			1296 CF

BASINS 2, 3 AND 4 DISCHARGE THROUGH STORMWATER QUALITY POND P2 BEFORE FREE DISCHARGING TO VISTA ORIENTE STREET. 3,956 CF REQUIRED.

TOTAL SITE STORMWATER QUALITY POND VOLUME REQUIRED = 5,872 CF.

TOTAL STORMWATER QUALITY POND VOLUME PROVIDED = 5,990 CF.

BASIN NO. 4	DESCRIPTION			
Area of basin flows =	53826	SF	=	1.24 Ac.
The following calculations are based on Treatment areas as shown in table to the right				LAND TREATMENT
Sub-basin Weighted Excess Precipitation (see formula above)				A = 0.00%
Weighted E =	1.84 in.			B = 2.00%
Sub-basin Volume of Runoff (see formula above)				C = 0.00%
V_{360} =	8263 CF			D = 98.00%
Sub-basin Peak Discharge Rate (see formula above)				FIRST FLUSH VOL
Q_p =	5.3 cfs			1495 CF

BASIN NO. 5	DESCRIPTION			
Area of basin flows =	51025	SF	=	1.17 Ac.
The following calculations are based on Treatment areas as shown in table to the right				LAND TREATMENT
Sub-basin Weighted Excess Precipitation (see formula above)				A = 0.00%
Weighted E =	1.89 in.			B = 7.00%
Sub-basin Volume of Runoff (see formula above)				C = 0.00%
V_{360} =	7989 CF			D = 93.00%
Sub-basin Peak Discharge Rate (see formula above)				FIRST FLUSH VOL
Q_p =	4.9 cfs			1344 CF

BASINS 5 AND 6 FREE DISCHARGE TO VISTA ORIENTE STREET. 1,359 CF REQUIRED.

BASIN NO. 6	DESCRIPTION			
Area of basin flows =	5366	SF	=	0.12 Ac.
The following calculations are based on Treatment areas as shown in table to the right				LAND TREATMENT
Sub-basin Weighted Excess Precipitation (see formula above)				A = 0.00%
Weighted E =	0.83 in.			B = 90.00%
Sub-basin Volume of Runoff (see formula above)				C = 0.00%
V_{360} =	354 CF			D = 10.00%
Sub-basin Peak Discharge Rate (see formula above)				FIRST FLUSH VOL
Q_p =	0.3 cfs			15 CF

COVERED SIDEWALK CULVERT CALULATIONS

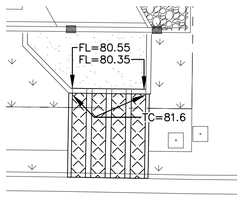
ORIFICE EQUATION - SIDEWALK CULVERT

The Orifice Equation is used to calculate the Flow at the opening of a Channel

$Q = C^*A * (2^*g^*h)^{0.5}$

Where	Q	=	5.47 cfs	Water Surface =	81.6
	C	=	0.6	Flowline =	80.45
	A	=	1.24 sq.ft.	h =	0.84
	g	=	32.2 ft/sec^2		
	h	=	0.84 ft	depth of flow at opening from the center of culvert	

COVERED SIDEWALK CULVERT CAPACITY = 5.5 CFS EACH
FOUR REQUIRED: 4 * 5.5 CFS = 22.0 CFS > REQUIRED



OVERALL CALCULATIONS

CALCULATIONS: 2278 - ABQ RV & BOAT STORAGE : May 17, 2019

Based on Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993

ON-SITE

AREA OF SITE: 227163 SF = 5.2

100-year, 6-hour

PREVIOUS DEVELOPED FLOWS:		Treatment SF	%
Area A	=	0	0%
Area B	=	113581.5	50%
Area C	=	113581.5	50%
Area D	=	0.0	0%
Total Area	=	227163	100%

DEVELOPED FLOWS:		Treatment SF	%
Area A	=	0	0%
Area B	=	12239	5.4%
Area C	=	12119	5.3%
Area D	=	202805	89.3%
Total Area	=	227163	100%

EXCESS PRECIP: Precip. Zone 1

E_A = 0.44
E_B = 0.67
E_C = 0.99
E_D = 1.97

On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm)

Weighted $E = \frac{E_AA_A + E_BA_B + E_CA_C + E_DA_D}{A_A + A_B + A_C + A_D}$

Historic E =	0.83 in.	Developed E =	1.85 in.

On-Site Volume of Runoff: $V360$ = E*A / 12

Historic V_{360} =	15712 CF	Developed V_{360} =	34977 CF

On-Site Peak Discharge Rate: $Qp = Q_{pA}A_A + Q_{pB}A_B + Q_{pC}A_C + Q_{pD}A_D / 43{,}560$

For Precipitation Zone 1

Q_{pA} =	1.29	Q_{pC} =	2.87
Q_{pB} =	2.03	Q_{pD} =	4.37

Historic Q_p =	12.78 CFS	Developed Q_p =	21.7 CFS

WEIR CALCULATIONS

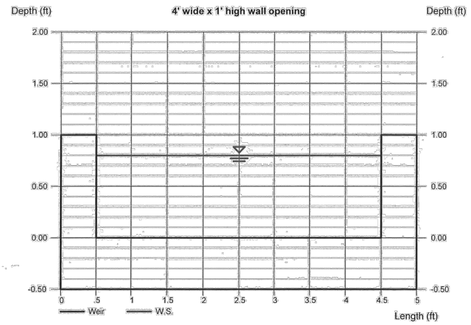
Weir Report

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. Friday, Jun 7 2019

4' wide x 1' high wall opening

Rectangular Weir		Highlighted	
Crest	= Broad	Depth (ft)	= 0.80
Bottom Length (ft)	= 4.00	Q (cfs)	= 7.442
Total Depth (ft)	= 1.00	Area (sqft)	= 3.20
		Velocity (ft/s)	= 2.33
Calculations		Top Width (ft)	= 4.00
Weir Coeff. Cw	= 2.60		
Compute by:	Q vs Depth		
No. Increments	= 5		

THREE 4' WIDE X 1.0' HIGH OPENINGS IN WALL. SEE ARCHITECTURAL FOR WALL DETAILS. AT 0.8' DEEP, CAPACITY = 7.4 CFS. THREE @ 7.4 = 22.2 > REQUIRED



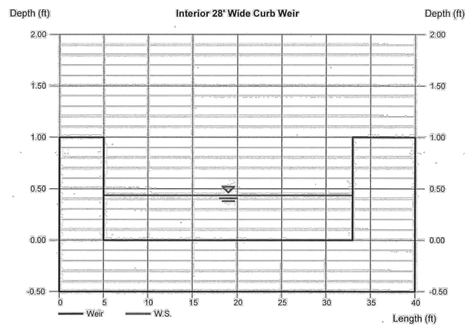
Weir Report

Hydraflow Express Extension for Autodesk® AutoCAD® Civil 3D® by Autodesk, Inc. Friday, Jun 7 2019

Interior 28' Wide Curb Weir

Rectangular Weir		Highlighted	
Crest	= Broad	Depth (ft)	= 0.44
Bottom Length (ft)	= 28.00	Q (cfs)	= 21.00
Total Depth (ft)	= 1.00	Area (sqft)	= 12.22
		Velocity (ft/s)	= 1.72
Calculations		Top Width (ft)	= 28.00
Weir Coeff. Cw	= 2.60		
Compute by:	Known Q		
Known Q (cfs)	= 21.00		

TOP OF 28' OVERFLOW WEIR ELEVATION = 81.5. AT 81.6, ADDITIONAL FLOW WILL BYPASS THE STORMWATER QUALITY PONDING AND DISCHARGE DIRECTLY.



City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
APPROVED
DATE: 08/25/21
BY: Renee C. Brissette
HydroTrans # H10D030
THE APPROVAL OF THESE PLANS/REPORT SHALL NOT BE CONSTRUED TO PERMIT VIOLATIONS OF ANY CITY ORDINANCE OR STATE LAW, AND SHALL NOT PREVENT THE CITY FROM REQUIRING THE CORRECTION, OR ERROR OR OMISSION IN PLANS, SPECIFICATIONS, OR CONSTRUCTIONS. SUCH APPROVED PLANS SHALL NOT BE CHANGED, MODIFIED OR ALTERED WITHOUT AUTHORIZATION.

FRED C. ARFMAN NEW MEXICO 7322 LICENSED PROFESSIONAL ENGINEER
06-15-19
04-21-2020
12-04-2020
07-08-2021

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico 87108
Ph. 505-268-8828 www.iacivil.com

2278 CG-501.dwg Jul 08,2021

ABQ RV & BOAT STORAGE

LADERA ENTERPRISES LLC

DRAINAGE CALCULATIONS

Date: 05-17-19	No.	Revision:	Date:	Job No. 2278
Drawn By: BJB	1	SITE PLAN REVISIONS	04/20/20	CG-502
Ckd By: FCA	2	SITE PLAN REVISIONS	12/02/20	
	3	GRADE / SITE REVISIONS	07/08/21	SH. OF

H:\PROJECTS\2020-2029\2278\DWG\2278 Building PERMIT\2278 CG-501.dwg Bryan 7/8/2021 4:19 PM