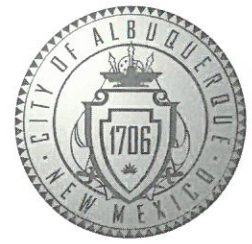


CITY OF ALBUQUERQUE



Richard J. Berry, Mayor

November 14, 2017

Mike Walla, P.E.
Walla Engineering
6501 Americas Parkway, Suite 301
Albuquerque, NM 87110

RE: **Peak Motion Addition**
Grading and Drainage Plan
Engineer's Stamp Date 11/13/17
Hydrology File: C19D057

Dear Mr. Walla:

Based on the information provided in your submittal received 11/13/17, the Grading and Drainage Plan is approved for Building Permit

If you have any questions, please contact me at 924-3695 or dpeterson@cabq.gov.

Sincerely,

Dana Peterson, P.E.
Senior Engineer, Planning Dept.
Development Review Services

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 11/2016)

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

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

Legal Description: _____

City Address: _____

Applicant: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: _____ **Contact:** _____

Address: _____

Phone#: _____ **Fax#:** _____ **E-mail:** _____

Check all that Apply:

DEPARTMENT:

- HYDROLOGY/ DRAINAGE
- TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

- ENGINEER/ARCHITECT CERTIFICATION
- CONCEPTUAL G & D PLAN
- GRADING PLAN
- DRAINAGE MASTER PLAN
- DRAINAGE REPORT
- 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
- OTHER (SPECIFY) _____

IS THIS A RESUBMITTAL?: Yes No

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

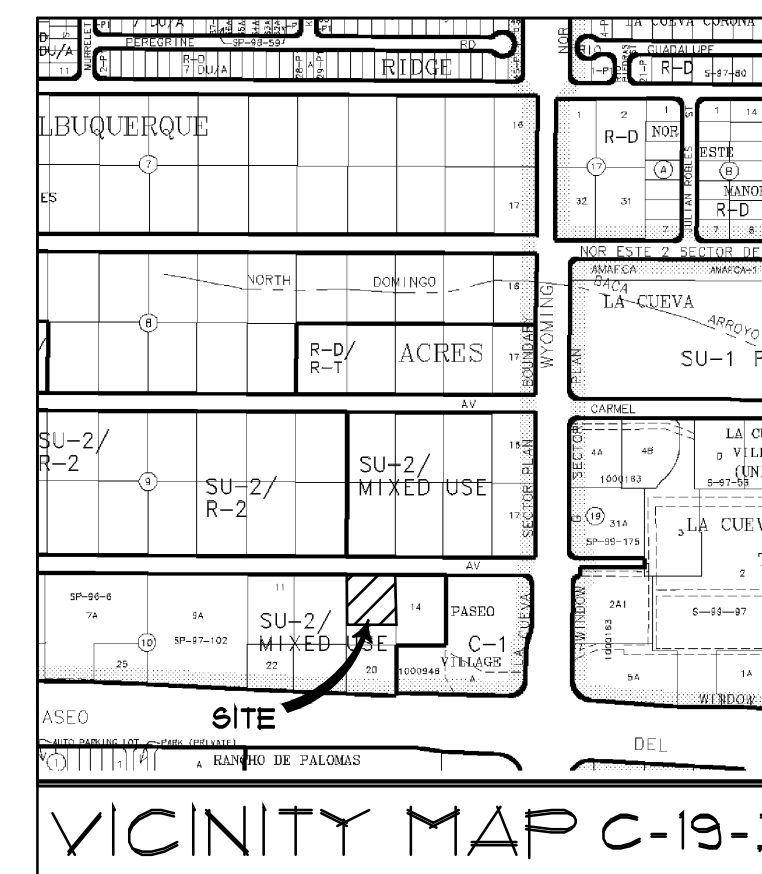
ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

HOLLY AVENUE N.E.

EROSION CONTROL PLAN

- 1 CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- 2 CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
- 3 CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUN OFF ON SITE.
- 4 REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 5 ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
- 6 CONTRACTOR IS RESPONSIBLE FOR OBTAINING NPDES PERMIT FOR THE SITE, IF NECESSARY.



KEYED NOTES

- 1 EXISTING ASPHALT PAVING TO REMAIN
- 2 EXISTING SIDEWALK TO REMAIN - PROTECT DURING NEW CONSTRUCTION
- 3 EXISTING SIDEWALK CULVERT
- 4 EXISTING PLANTER TO REMAIN - PROTECT DURING NEW CONSTRUCTION
- 5 NEW 4" THICK, 4000 PSI CONCRETE WALK OVER 12" OF SCARIFIED AND COMPACTED SUBGRADE
- 6 NEW 1'-0" WIDE SIDEWALK CULVERT PER CITY OF ALBUQUERQUE STANDARD DETAIL • 2236
- 7 NEW PLANTER - SEE ARCHITECTURAL

LEGAL DESCRIPTION

LOT 10-A, BLOCK 10, TRACT 2, UNIT 3, NORTH ALBUQUERQUE ACRES, ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

BENCHMARK

ELEVATIONS ARE BASED ON CITY OF ALBUQUERQUE STATION NO. "HEAVEN UNDERGROUND", HAVING AN ELEVATION OF 5218.235. NAVD 1988

DESIGN NARRATIVE

THE SUBJECT PROJECT IS A SMALL, 150 SF, ADDITION TO AN EXISTING BUILDING. THE ORIGINAL BUILDING AND ADDITION ARE LOCATED ON A 0.56 ACRE DEVELOPED SITE THAT WAS CONSTRUCTED IN 2013. THE NEW ADDITION WILL REPLACE AN EXISTING LANDSCAPED AREA ON THE SITE AND WILL HAVE A ROOF DRAIN AND SIDEWALK CULVERT THAT DIRECTS STORM RUNOFF TO AN EXISTING PAVED PARKING AREA SOUTH OF THE BUILDING ADDITION. THIS RUNOFF WILL JOIN HISTORIC FLOWS THAT RUN TO HOLLY AVE. AND THEN ARE COLLECTED IN A RETENTION POND LOCATED WEST OF THE SITE ON THE NORTH SIDE OF HOLLY AVE. RUNOFF FROM ALL OF THE PROPERTIES ON HOLLY AVE. WEST OF WYOMING IS HANDLED IN THIS MANNER AND THE POND IS SIZED TO RETAIN THESE DEVELOPED FLOWS. THIS POND IS MAINTAINED BY AMAFCA. THE PROJECT WILL NOT OTHERWISE CHANGE THE CURRENT STORM RUNOFF SCHEME ON THE SITE AND THE NET CHANGE TO CURRENTLY ESTABLISHED OUTFALL VOLUMES WILL ONLY BE MINIMALLY INCREASED AFTER THIS PROJECT IS COMPLETED. THE PREVIOUSLY APPROVED AND CERTIFIED GRADING & DRAINAGE PLAN FOR THE SITE WAS DATED 12/12/12 AND PREPARED BY WALLA ENGINEERING. THE SMALL POND ON THE NORTH SIDE OF THE BUILDING PROVIDES STORAGE OF 10 CF OF ROOF RUNOFF WHICH IS GREATER THAN THE STORMWATER QUALITY VOLUME REQUIRED FOR THE NEW ADDITION.

LEGEND

- PROPERTY LINE
- NEW BUILDING LINE
- 5375--- EXISTING CONTOUR
- 15 NEW CONTOUR
- X FL 76.91 EXISTING SPOT ELEVATION
- 15.00 NEW SPOT ELEVATION
- NEW FLOW DIRECTION ARROW
- TA TOP OF ASPHALT
- TC TOP OF CONCRETE OR CURB
- FG FINISHED GRADE
- TW TOP OF WALL
- BW BOTTOM OF WALL
- FL FLOW LINE
- TG TOP OF GRATE
- INV INVERT
- NEW CONCRETE PAVING
- ▲ ROOF DRAIN LOCATION
- SWALE

HYDROLOGY CALCULATIONS

		PRECIPITATION ZONE 3 DESIGN STORM: (IN)						
		1hr	6hr	24hr	4day	10day		
EXISTING CONDITIONS		2.14	2.60	3.10	3.95	4.90		
LAND TRTMT	AREA (ACRE)	AREA (%)	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.000	0%	0.66	2.20	0.00	0	0	0
B	0.105	18%	0.92	2.92	0.31	351	351	351
C	0.000	0%	1.29	3.73	0.00	0	0	0
D	0.463	82%	2.36	5.25	2.43	3,966	4,807	6,235
TOTALS	0.568	100%			2.74	4,317	5,157	6,586
PROPOSED CONDITIONS								
LAND TRTMT	AREA (ACRE)	AREA (%)	Q (CFS/AC)	Q (CFS)	V6 (CF)	V24 (CF)	V4day (CF)	V10day (CF)
A	0.000	0%	0.66	2.20	0.00	0	0	0
B	0.088	15%	0.92	2.92	0.26	294	294	294
C	0.000	0%	1.29	3.73	0.00	0	0	0
D	0.480	85%	2.36	5.25	2.52	4,112	4,983	6,464
TOTALS	0.568	100%			2.78	4,406	5,277	6,758

STORMWATER QUALITY VOLUME - ADDITION = 750 CF x 0.44 IN/12 = 28 CF
 EXISTING POND : 74.25 CONTOUR =>A = 40' x 4' = 160 SF
 73.5 CONTOUR =>A = 27' x 1' = 27 SF
 V = 160+27 / 2 x 0.75 = 70 CF > 28 CF OK

A1 GRADING and DRAINAGE PLAN

1"=10'



PEAK MOTION
 7424 HOLLY AVENUE NE
 ALBUQUERQUE, NM



GRADING and
 DRAINAGE PLAN

C101