CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director

Mayor Timothy M. Keller

October 4, 2021

Ronald Bohannan, P.E.
Tierra West, LLC
5571 Midway Park Place NE
Albuquerque, NM 87109

RE: Transport Housing Apartments
Conceptual Grading and Drainage Plans
Engineer's Stamp Date: 08/25/21
Hydrology File: M15D023H

Dear Mr. Bohannan:

Based upon the information provided in your submittal received 08/23/2021, the Conceptual Grading & Drainage Plans are approved for action by the DRB for Site Plan for Building Permit and Platting.

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

City of Albuquerque

Planning Department

Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Transport Housing Apartments Building Permit #: _____ Hydrology File #: M15D023H

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

Legal Description: Lots 1-A & 2-A-1, Block 2 Sunport Park

City Address: 2900 Transport St. SE, Albuquerque, NM 87106

Applicant: Tierra West, LLC Contact: Vinny Perea

Address: 5571 Midway Park Place NE Albuquerque NM 87109

Phone#: 505-858-3100 Fax#: 505-858-1118 E-mail: vperea@tierrawestllc.com

Other Contact: _____ Contact: _____

Address: _____

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

TYPE OF DEVELOPMENT: _____ PLAT (# of lots) _____ RESIDENCE __X__ DRB SITE ___ ADMIN SITE

IS THIS A RESUBMITTAL? ___X___ Yes _____ No

DEPARTMENT _____ TRANSPORTATION ___X___ HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

____ ENGINEER/ARCHITECT CERTIFICATION
____ PAD CERTIFICATION
__X__ CONCEPTUAL G & D PLAN
____ GRADING PLAN
____ DRAINAGE REPORT
____ DRAINAGE MASTER PLAN
____ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
____ ELEVATION CERTIFICATE
____ CLOMR/LOMR
____ TRAFFIC CIRCULATION LAYOUT (TCL)
____ TRAFFIC IMPACT STUDY (TIS)
____ STREET LIGHT LAYOUT
____ OTHER (SPECIFY) _____
____ PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

____ BUILDING PERMIT APPROVAL
____ CERTIFICATE OF OCCUPANCY

__X__ PRELIMINARY PLAT APPROVAL
____ SITE PLAN FOR SUB'D APPROVAL
__X__ SITE PLAN FOR BLDG. PERMIT APPROVAL
__X__ 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
____ FLOODPLAIN DEVELOPMENT PERMIT
____ OTHER (SPECIFY) _____

DATE SUBMITTED: 8/23/2021 By: Vinny Perea

COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

TIERRA WEST, LLC

5571 Midway Park Place NE Albuquerque, NM 87109
(505) 858-3100 Fax (505) 858-1118 1-800-245-3102
tierrawestllc.com

August 23, 2021

Ms. Renee Brissette, P.E. CFM
Senior Engineer, Hydrology
PO BOX 1293
Albuquerque, NM 87103

RE: RESPONSE TO HYDROLOGY COMMENTS
TRANSPORT HOUSING APARTMENTS, 2900 TRANSPORT ST. SE
CONCEPTUAL GRADING & DRAINAGE PLAN

Dear Ms. Brissette:

Per the correspondence dated June 6, 2021, please find the following responses addressing the comments listed below:

1. Sheet 2.2. Please add the existing basins that correspond to Sunport Phase 1 Master Drainage Plan to both the existing and the proposed basins.
   Response: These basins are now shown on both basin maps on Sheet 2.2.

2. The existing Comfort Inn currently has a discharge of 6.1 cfs that needs to be added to the existing conditions and somehow needs to be allowed to pass through the site. This may be just picking up the drainage and piping it to Flightway or Transport.
   Response: Basin O1 for the hotel is now shown on both basin maps along with the outfall location and discharge rate. The Weighted E table also shows this basin note that 6.1 cfs comes from this basin. A 12" HDPE storm drain has been added to pick up this drainage and pass through the site and daylight through the western proposed retaining wall and ultimately discharge into Transport Street. Keyed Notes 7 and 8 call these out on Sheet 2.1.

3. Please note that the original drainage areas A-2, A-4, & A-5 have allowable discharge rate of 3.4 cfs/ac. Therefore, the detention pond at the northwest corner will have this discharge rate. The original drainage area A-9 has allowable discharge rate of 3.85 cfs/ac. Therefore, the detention pond at the southwest corner will have a discharge rate that reflects this. It does appear that there are portions of some of the proposed drainage areas that is split between different discharge rates. These areas are the only ones that will have a weighted discharge rate depending on the percentage in A-5 and A-9 respectfully. Please make these changes.
   Response: The contributing basins to the NW pond now follow the 3.4 cfs/ac rate and will have an allowable discharge of 16.13 cfs. For the SW pond, the allowable discharge from that pond has been revised to reflect which contributing basins need to follow 3.4 cfs/ac and which need to follow 3.85 cfs/ac. These calcs. are shown on Sheet 2.1 and the allowable discharge for the SW pond based on this is 16.13 cfs. The Existing and Proposed Conditions narrative on this same sheet has now been updated to reflect this as well.

4. Sheet 2.2. Please add some drainage arrows on the proposed drainage basins showing how each area will drain to the respected detention pond.
   Response: Flow arrows have been added to the proposed drainage basin map.

5. Sheet 2.1. Please show maintenance ramps for each detention ponds. Also show a driveway for each pond.
   Response: Maintenance ramps and drive pads are now shown on Sheet 2.1 with Keyed Note 9 calling these out.

6. Please show a section for each detention pond showing the top of pond elevation, bottom of pond elevation, water surface elevation for the 100 year, water of the stormwater quality, and elevation of the raised outfall pipe.
   Response: Sheet 2.3 has been added to show cross sections A-A and B-B for the two ponds. These call out the elevations for the 100yr MWSE, the First Flush/Outfall Elevations, and the BOP/TOP elevations.

7. As a reminder, if the project total area of disturbance (including the staging are 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 (Dough Hughes, PE, jhughes@cabq.gov, (924-3420) 14 days prior to any earth disturbance.
   Response: Noted. We will be preparing an ESC plan as we move closer towards a final grading plan. We don't anticipate starting any construction (i.e. rough grading) prior to the issuance of a building permit.

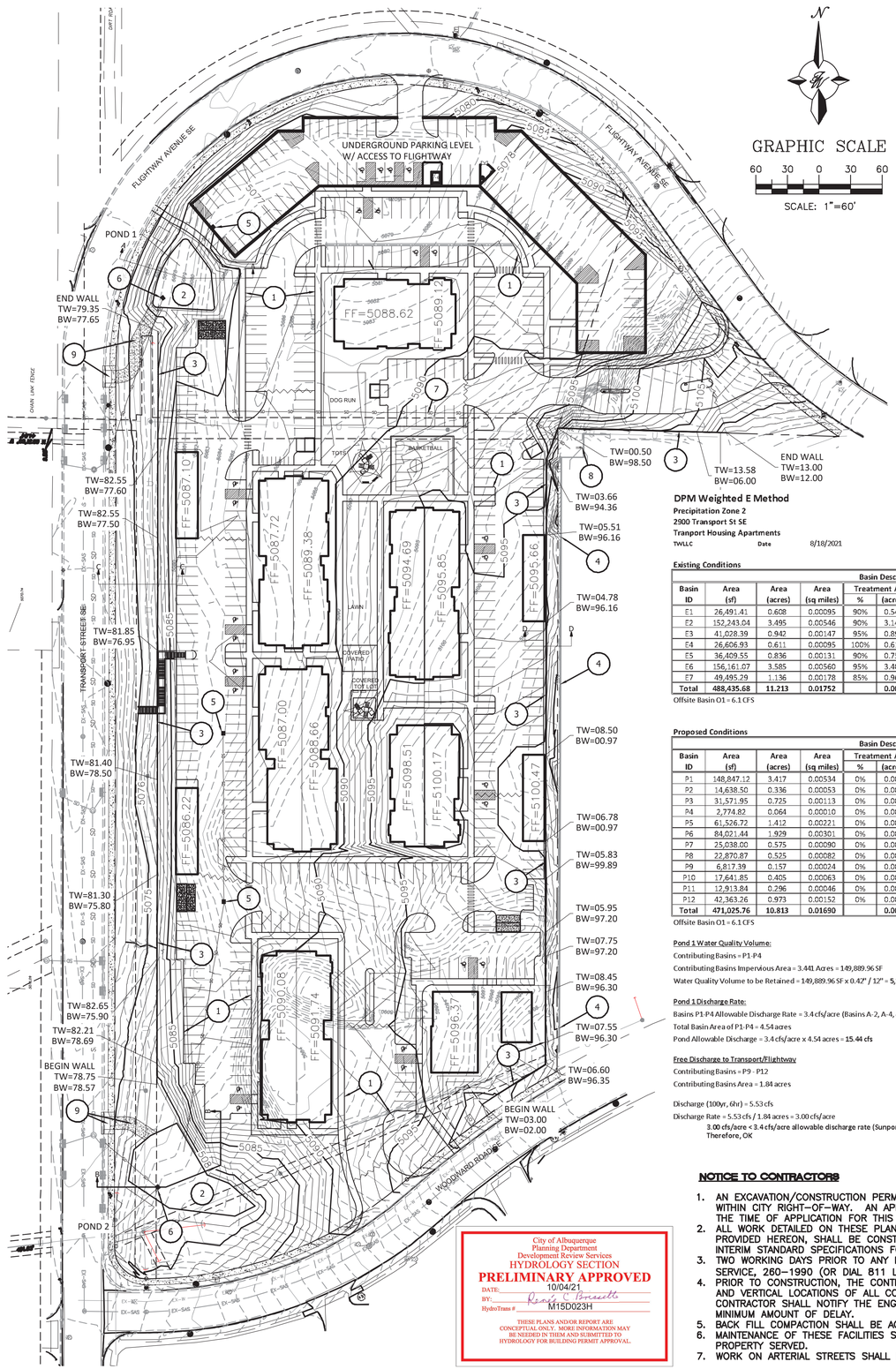
8. Standard Review fee of $300 (for DRB Site) will be required at the time of resubmittal.
   Response: This will be paid as soon as invoice is received.

If you have any questions or need additional information regarding this matter, please do not hesitate to contact me.

Sincerely,

Vinny Perea, P.E

JN: 2020072
RRB/vp/ye



GRAPHIC SCALE

60 30 0 30 60

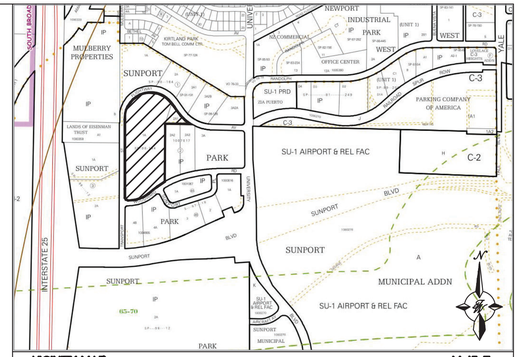
SCALE: 1"=60'

LEGEND

- CURB & GUTTER
- BOUNDARY LINE
- EASEMENT
- CENTERLINE
- RIGHT–OF–WAY
- BUILDING
- SIDEWALK
- SD — STORM DRAIN
- RETAINING WALL
- 5010 — CONTOUR MAJOR
- 5011 — CONTOUR MINOR
- x 5048.25 — SPOT ELEVATION
- FLOW ARROW
- EXISTING CURB & GUTTER
- EXISTING BOUNDARY LINE
- 5010 — EXISTING CONTOUR MAJOR
- 5011 — EXISTING CONTOUR MINOR
- x 5048.25 — EXISTING SPOT ELEVATION

KEYED NOTES

1. 6" CURB & GUTTER
2. POND FOR STORMWATER DETENTION AND WQ RETENTION, POND SIDE SLOPES NEED TO BE STABILIZED WITH NATIVE GRASS SEED WITH AGGREGATE MULCH OR EQUAL (MUST SATISFY THE "FINAL STABILIZATION CRITERIA" CGP 2.2.14.b)
3. RETAINING WALLS
4. EXISTING RETAINING WALL @ PROPERTY LINE
5. DRAINAGE DROP INLET
6. RAISED POND OUTFALL FOR WQ RETENTION, SINGLE TYPE D GRATE
7. 12" HDPE FOR BASIN O1 DRAINAGE, CONNECT TO EX. HOTEL OUTFALL (8" PVC PIPES) AND DAYLIGHT THROUGH WEST PROPOSED RETAINING WALL. MIN. PIPE SLOPE=0.016 FT/FT
8. EX. HOTEL OUTFALL, 6" PVC PIPES STUBBED OUT OF WALL (x2)
9. 12'–WIDE MAINTENANCE RAMP AND DRIVEPAD PER COA 2425A FOR DRAINAGE POND (10:1 MAX SLOPE)



VICINITY MAP: M-15-Z

FIRM MAP: 35001C0342G

DPM Weighted E Method

Precipitation Zone 2
2900 Transport St SE
Tranport Housing Apartments
TWLLC Date 8/18/2021

Existing Conditions

Basin ID	Area (sf)	Area (acres)	Area (sq miles)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	100-Year, 6-Hr Weighted E (in)	100-Year, 6-Hr Volume (ac-ft)	100-Year, 6-Hr Flow cfs	10-Year, 6-Hr Weighted E (in)	10-Year, 6-Hr Volume (ac-ft)	10-Year, 6-Hr Flow cfs
E1	26,491.41	0.608	0.00095	90%	0.547	10%	0.061	0%	0.000	0%	0.000	0.555	0.028	0.99	0.145	0.007	0.27
E2	152,243.04	3.495	0.00546	90%	3.146	10%	0.350	0%	0.000	0%	0.000	0.555	0.162	5.70	0.145	0.042	1.53
E3	41,028.39	0.942	0.00147	95%	0.895	5%	0.047	0%	0.000	0%	0.000	0.543	0.043	1.50	0.138	0.011	0.38
E4	26,606.93	0.611	0.00095	100%	0.611	0%	0.000	0%	0.000	0%	0.000	0.530	0.027	0.95	0.130	0.007	0.23
E5	36,409.55	0.836	0.00131	90%	0.752	10%	0.084	0%	0.000	0%	0.000	0.555	0.039	1.36	0.145	0.010	0.37
E6	156,161.07	3.585	0.00560	95%	3.406	5%	0.179	0%	0.000	0%	0.000	0.543	0.162	5.72	0.138	0.041	1.46
E7	49,495.29	1.136	0.00178	85%	0.966	15%	0.170	0%	0.000	0%	0.000	0.568	0.054	1.90	0.153	0.014	0.53
Total	**488,435.68**	**11.213**	**0.01752**		**0.000**		**0.891**		**0.000**		**0.000**		**0.514**	**18.13**		**0.133**	**4.77**

Offsite Basin O1 = 6.1 CFS

Proposed Conditions

Basin ID	Area (sf)	Area (acres)	Area (sq miles)	Treatment A %	Treatment A (acres)	Treatment B %	Treatment B (acres)	Treatment C %	Treatment C (acres)	Treatment D %	Treatment D (acres)	100-Year, 6-Hr Weighted E (in)	100-Year, 6-Hr Volume (ac-ft)	100-Year, 6-Hr Flow cfs	10-Year, 6-Hr Weighted E (in)	10-Year, 6-Hr Volume (ac-ft)	10-Year, 6-Hr Flow cfs
P1	148,847.12	3.417	0.00534	0%	0.000	14%	0.478	7%	0.239	79%	2.699	1.863	0.531	14.53	1.134	0.323	9.34
P2	14,638.50	0.336	0.00053	0%	0.000	41%	0.138	0%	0.000	59%	0.198	1.571	0.044	1.25	0.965	0.025	0.75
P3	31,571.95	0.725	0.00113	0%	0.000	25%	0.181	0%	0.000	75%	0.544	1.785	0.108	2.97	1.075	0.065	1.88
P4	2,774.82	0.064	0.00010	0%	0.000	50%	0.032	50%	0.032	0%	0.000	0.955	0.005	0.17	0.400	0.002	0.08
P5	61,526.72	1.412	0.00221	0%	0.000	25%	0.353	0%	0.000	75%	1.059	1.785	0.210	5.78	1.075	0.127	3.66
P6	84,021.44	1.929	0.00301	0%	0.000	15%	0.289	5%	0.096	80%	1.543	1.870	0.301	8.22	1.140	0.183	5.29
P7	25,038.00	0.575	0.00090	0%	0.000	15%	0.086	10%	0.057	75%	0.431	1.820	0.087	2.40	1.099	0.053	1.53
P8	22,870.87	0.525	0.00082	0%	0.000	50%	0.263	50%	0.263	0%	0.000	0.955	0.042	1.42	0.400	0.018	0.70
P9	6,817.39	0.157	0.00024	0%	0.000	50%	0.078	50%	0.078	0%	0.000	0.955	0.012	0.42	0.400	0.005	0.21
P10	17,641.85	0.405	0.00063	0%	0.000	25%	0.101	75%	0.304	0%	0.000	1.043	0.035	1.18	0.460	0.016	0.62
P11	12,913.84	0.296	0.00046	0%	0.000	20%	0.059	70%	0.208	10%	0.030	1.159	0.029	0.93	0.554	0.014	0.50
P12	42,363.26	0.973	0.00152	0%	0.000	22%	0.214	70%	0.681	8%	0.078	1.132	0.092	2.99	0.533	0.043	1.61
Total	**471,025.76**	**10.813**	**0.01690**		**0.000**		**2.273**		**0.000**		**6.582**		**1.495**	**42.27**		**0.873**	**26.18**

Offsite Basin O1 = 6.1 CFS

Pond 1 Water Quality Volume:
Contributing Basins = P1-P4
Contributing Basins Impervious Area = 3.441 Acres = 149,889.96 SF
Water Quality Volume to be Retained = 149,889.96 SF x 0.42" / 12" = **5,247 CF**

Pond 1 Discharge Rate:
Basins P1-P4 Allowable Discharge Rate = 3.4 cfs/acre (Basins A-2, A-4, & A-5 of Sunport Park Master Plan)
Total Basin Area of P1-P4 = 4.54 acres
Pond Allowable Discharge = 3.4 cfs/acre x 4.54 acres = **15.44 cfs**

Free Discharge to Transport/Flightway
Contributing Basins = P9 - P12
Contributing Basins Area = 1.84 acres

Discharge (100yr, 6hr) = 5.53 cfs
Discharge Rate = 5.53 cfs / 1.84 acres = 3.00 cfs/acre
3.00 cfs/acre < 3.4 cfs/acre allowable discharge rate (Sunport Park Master Plan)
Therefore, OK

Pond 2 Water Quality Volume:
Contributing Basins = P5 - P8
Contributing Basins Impervious Area = 3.034 Acres = 132,161.04 SF
Water Quality Volume to be Retained = 132,161.04 SF x 0.42" / 12" = **4,625 CF**

Pond 2 Discharge Rate:
Basin P5 Allowable Discharge Rate = 3.4 cfs/acre (Basin A-5 of Sunport Park Master Plan)
Basin P5 Area = 1.41 acres
Basin P5 Allowable Discharge = 3.4 cfs/acre x 1.41 acres = 4.79 cfs

Basin P6 (A-5) Allowable Discharge Rate = 3.4 cfs/acre (Basin A-5 of Sunport Park Master Plan
Basin P6 (A-5) Area = 0.72 acres
Basin P6(A-5) Allowable Discharge = 3.4 cfs/acre x 0.72 acres = 2.45 cfs

Basins P6(A-9)-P8 Allowable Discharge Rate = 3.85 cfs/acre (Basin A-9 of Sunport Park Master Plan)
Basins P6(A-9)-P8 Area = 2.31 acres
Basins P6(A-9)-P8 Allowable Discharge = 3.85 cfs/acre x 2.31 acres = 8.89 cfs

Pond Allowable Discharge = 4.79 cfs + 2.45 cfs + 8.89 cfs = **16.13 cfs**

EXISTING DRAINAGE:
AS SHOWN BY THE VICINITY MAP, THIS SITE IS BOUNDED BY WOODWARD ROAD TO THE SOUTH, TRANSPORT STREET TO THE WEST, FLIGHTWAY AVENUE TO THE NORTH AND A RETAINING WALL TO THE EAST THAT HOLDS THE ADJACENT COMFORT SUITES HOTEL SITE ABOVE THIS PROPERTY. THE SITE CONSISTS OF TWO LOTS, WHICH WILL BE REPLATTED TO BE COMBINED INTO ONE LOT. LOT 1-A, BLOCK 2, SUNPORT PARK IS THE LARGER PARCEL CONSISTING OF 10.1 ACRES. THE SMALLER PARCEL IS LOT 2-A-1, BLOCK 2, SUNPORT PARK AND CONSISTS OF 0.69 ACRES. THE TOTAL OF THE TWO LOTS TO BE COMBINED IS 10.69 ACRES. SHOWN BY THE FEMA FIRM MAP, THE SITE DOES NOT LIE WITHIN ANY FLOODPLAIN.

THE SITE IS CURRENTLY UNDEVELOPED AND CONSISTS OF DRAINAGE FLOW FROM EAST TO WEST TOWARDS TRANSPORT STREET. THE GROUND COVER CONSISTS OF NATIVE GRASSES AND WEEDS AND IS RELATIVELY STEEP, WITH SLOPES RANGING BETWEEN 10% TO 20% AND WITH SOME AREAS EXCEEDING 20%. THERE ARE UPLAND OFFSITE FLOWS FROM BASIN O1 THAT PASS THROUGH THE SITE FROM THE HOTEL DIRECTLY TO THE EAST. BASIN O1 OUTFALLS ONTO THE SITE VIA TWO 6" PVC PIPES PENETRATED THROUGH AN EXISTING RETAINING WALL SEPARATING BOTH SITES. BASINS E1 THROUGH E6 CONVEY RUNOFF TO THE EXISTING STORM DRAIN CURB INLETS ALONG THE EAST SIDE OF TRANSPORT STREET. BASIN E7 CAPTURES AND RETAINS FLOWS ONSITE, AS THIS BASIN CONTAINS A LOW POINT THAT DOES NOT ALLOW FLOWS TO MAKE ITS WAY TO THE TRANSPORT STREET STORM DRAIN SYSTEM.

THE SITE LIES WITHIN A MASTER DRAINAGE PLAN KNOWN AS SUNPORT PARK - PHASE 1 DATED 12/6/1996 (HYDROLOGY FILE M15-D023). PER THIS DRAINAGE MASTER PLAN, THE SITE LIES WITHIN BASINS A-4, A-5, A-9, AND A SMALL PORTION OF A-2 WITH ALL OF THESE BASINS INTENDED TO DISCHARGE INTO THE TRANSPORT STREET STORM DRAIN. DRAINAGE BASINS A-2, A-4, AND A-5 ALLOW A 100-YR, 6-HR DISCHARGE RATE OF 3.4 CFS/ACRE WHILE BASIN A-9 ALLOWS A DISCHARGE RATE OF 3.85 CFS/ACRE.

PROPOSED DRAINAGE:
THE PROPOSED DEVELOPMENT WILL BE AN APARTMENT COMPLEX WITH 7 3-STORY RESIDENT BUILDINGS, 4 GARAGE BUILDINGS, A CLUBHOUSE AND VARIOUS TYPICAL APARTMENT AMENITIES. DUE TO STEEP EXISTING GRADES OF THE SITE, THERE WILL BE NEW RETAINING WALLS ALONG THE EAST AND WEST PROPERTY LINES. THE SITE WILL PREDOMINANTLY DRAIN TOWARDS POND 1 (NW QUADRANT OF PROPERTY) AND POND 2 (SW QUADRANT OF PROPERTY). BASINS P1-P3 WILL DRAIN VIA SURFACE FLOW TOWARDS BASIN P4, WHICH IS POND 1. BASINS P5-P7 WILL DRAIN BY A COMBINATION OF SURFACE FLOW AND ONSITE STORM DRAIN TOWARDS BASIN P8, WHICH IS POND 2. EACH POND WILL HAVE RAISED OUTFALLS FOR RETAINING THE REQUIRED WATER QUALITY VOLUME FROM THEIR RESPECTIVE CONTRIBUTING BASINS. THESE OUTFALLS IN THESE PONDS WILL CONNECT TO THE BACK OF THE EXISTING CURB INLETS ALONG THE EAST SIDE OF TRANSPORT STREET.

PROPOSED BASINS P1-P4 FALL WITHIN THE MASTER PLAN DRAINAGE BASINS OF A-2, A-4, & A-5. THESE MASTER PLAN BASINS ALL HAVE AN ALLOWABLE DISCHARGE RATE 3.4 CFS/ACRE, SO POND 1 WILL BE LIMITED TO DISCHARGE AT THIS RATE WITH AN ALLOWABLE TOTAL DISCHARGE OF 15.44 CFS.

PROPOSED BASINS P5-P8 FALL WITHIN THE MASTER PLAN DRAINAGE BASINS OF A-5 & A-9, WHICH EACH HAVE AN ALLOWABLE DISCHARGE RATE OF 3.4 CFS/ACRE AND 3.85 CFS/ACRE, RESPECTIVELY. PROPOSED BASIN P5 FOLLOWS 3.4 CFS/ACRE, BASINS P7 AND P8 FOLLOWS 3.85 CFS/ACRE, AND BASIN P6 FOLLOWS BOTH 3.4 AND 3.85 CFS/ACRE SINCE THIS AREA IS SPLIT BETWEEN THE MASTER PLAN BASINS MENTIONED. POND 2 THEREFORE, WILL HAVE ALLOWABLE DISCHARGE OF 16.13 CFS. HDYROLOGY CALCS FOR THESE DETERMINED DISCHARGES CAN BE FOUND ON THIS SHEET.

THE REMAINING DRAINAGE BASINS P9-P12 CONSIST OF THE SLOPE TIE AREAS ALONG THE STREET-FRONTED PERIMETER OF THE PROPERTY. THESE BASINS ARE NOT IMPERVIOUS EXCEPT FOR THE DRIVEWAYS, WHICH ARE SLOPED TO CREATE WATER BLOCKS BETWEEN THE STREET DRAINAGE AND PRIVATE DRAINAGE. THESE BASINS WILL ALSO CONVEY FLOW TO THE EXISTING CURB INLETS IN TRANSPORT STREET VIA FREE DISCHARGE. THIS FREE DISCHARGE AMOUNT WORKS OUT TO BE 3.00 CFS/ACRE, WHICH IS LESS THAN THE ALLOWABLE 3.4 AND 3.85 CFS/ACRE RATES IN THE MASTER PLAN, THEREFORE THESE BASINS WILL BE ALLOWED TO FREE DISCHARGE TO TRANSPORT STREET AND FLIGHTWAY AVENUE.

THE NORTHERNMOST RESIDENT BUILDING ALONG FLIGHTWAY AVENUE WILL INCLUDE AN UNDERGROUND PARKING STRUCTURE, WITH VEHICLE INGRESS/EGRESS TO THE STRUCTURE COMING FROM FLIGHTWAY AVENUE. THE FIRST FLOOR ABOVE THIS STRUCTURE WILL BE AT GRADE WITH THE ONSITE PARKING/DRIVE AISLE DIRECTLY SOUTH OF THE BUILDING. THE PARKING STRUCTURE WILL HAVE SOME SLIGHT GRADE FROM EAST TO WEST FOR POSITIVE DRAINAGE ASSURANCE, WITH A DRAINAGE INLET PLACED AT THE WESTERN EDGE OF THE PARKING STRUCTURE, HOWEVER THERE IS NOT AN ANTICIPATED LARGE AMOUNT OF RUNOFF WITHIN THE STRUCTURE DUE TO A RAINFALL FROM A STORM EVENT BEING CAPTURE ON THE ROOF ABOVE AND ALREADY BEING ACCOUNTED FOR IN BASIN P1.

THE TOTAL 100-YR 6-HR FLOW FOR THE ENTIRE SITE IS 42.27 CFS OVER 10.813 ACRES. FOLLOWING THE ALLOWABLE DISCHARGE RATES BETWEEN BOTH PONDS AND THE FREE DISCHARGE AREAS ALONG FLIGHTWAY AND TRANSPORT, THE FULLY DEVELOPED SITE WILL DISCHARGE TO THE TRANSPORT STORM DRAIN SYSTEM AT 37.10 CFS. THIS AVERAGES OUT TO 3.43 CFS/ACRE FOR THE TOTAL DEVELOPED SITE.

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
PRELIMINARY APPROVED
DATE: 10/04/21
BY: Ronald R. Bohannan
HydroTrans #: M15D023H
THESE PLANS AND/OR REPORT ARE CONCEPTUAL ONLY. MORE INFORMATION MAY BE NEEDED IN THEM AND SUBMITTED TO HYDROLOGY FOR BUILDING PERMIT APPROVAL.

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT–OF–WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260–1990 (OR DIAL 811 LOCALLY), FOR LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. BACK FILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.
6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24–HOUR BASIS.

CAUTION:

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS–BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK. ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

PRELIMINARY - NOT FOR CONSTRUCTION

ENGINEER'S SEAL
RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER
08-25-21
RONALD R. BOHANNAN P.E. #7868

TRANSPORT HOUSING
TRANSPORT ST & FLIGHTWAY AVE

CONCEPTUAL GRADING & DRAINAGE PLAN

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NM 87109
(505) 858–3100
www.tierrawestllc.com

DRAWN BY BF
DATE 8/3/2021
2020072_GRB
SHEET # C2.1
JOB # 2020072

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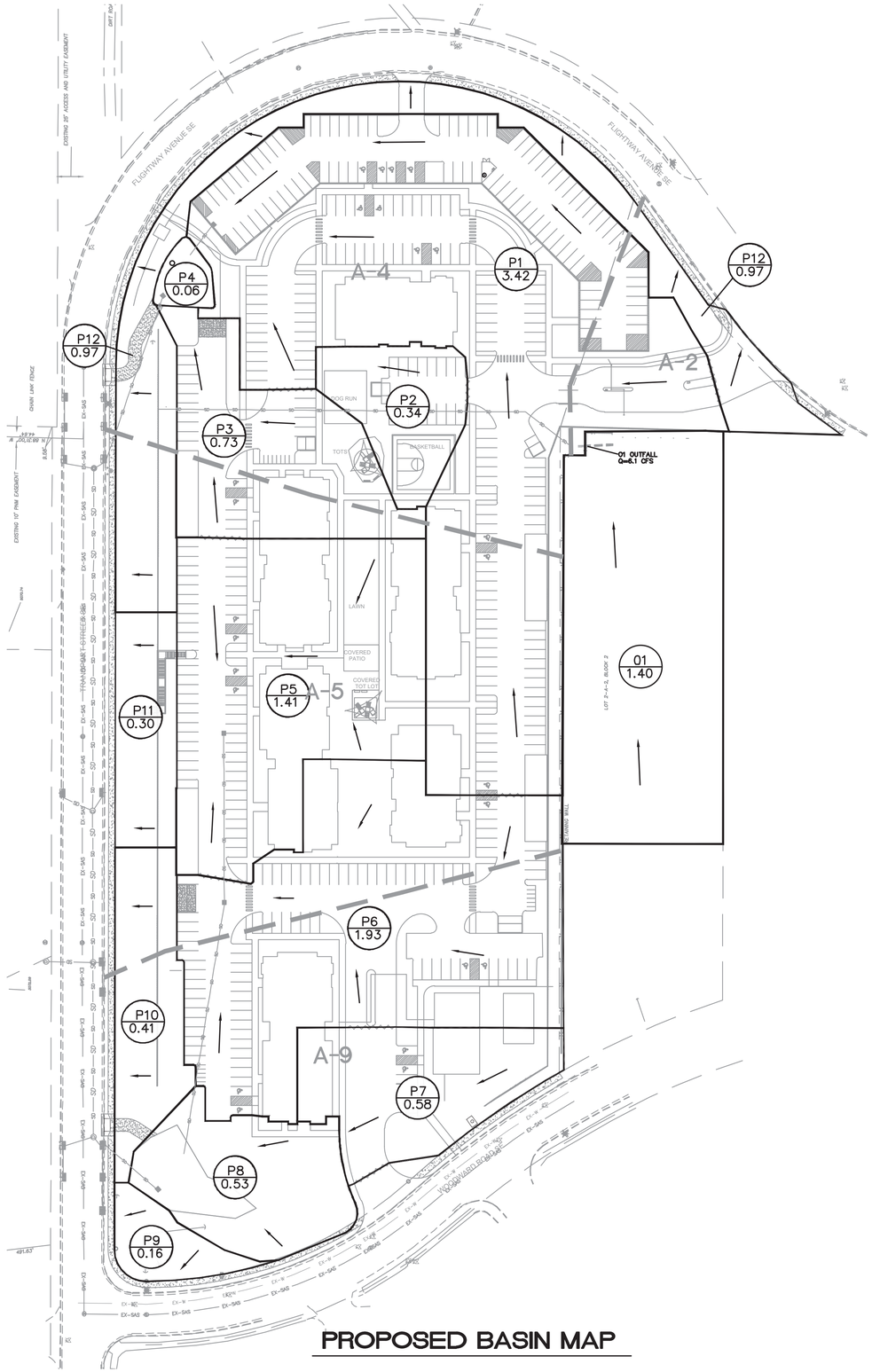
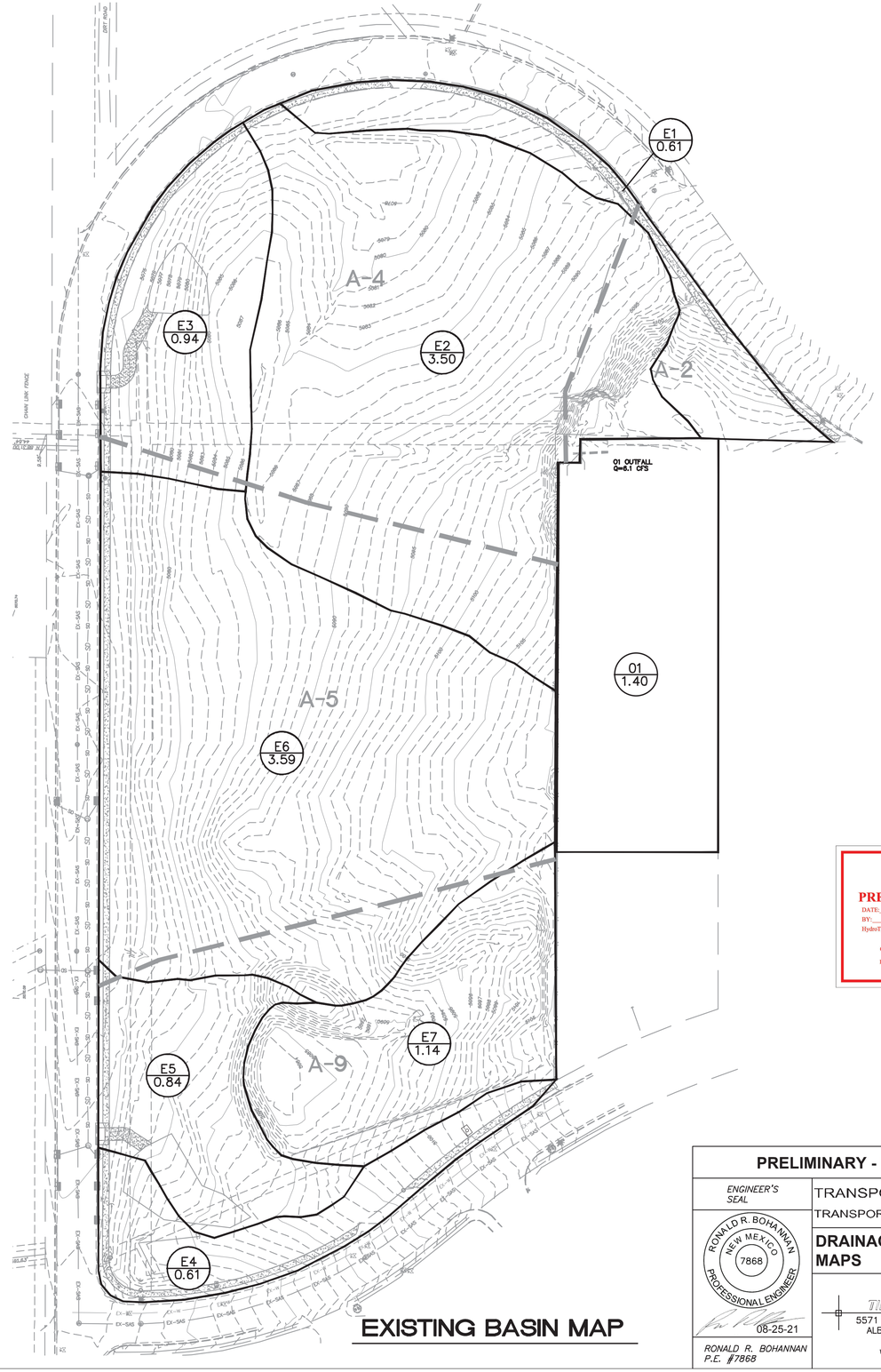


PROPOSED BASIN MAP



EXISTING BASIN MAP

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
PRELIMINARY APPROVED
DATE: 10/04/21
BY: René Brissette
HydroTrans #: M15D023H

THESE PLANS AND/OR REPORT ARE CONCEPTUAL ONLY. MORE INFORMATION MAY BE NEEDED IN THEM AND SUBMITTED TO HYDROLOGY FOR BUILDING PERMIT APPROVAL.

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ENGINEER'S SEAL

RONALD R. BOHANNAN NEW MEXICO 7868 PROFESSIONAL ENGINEER

08-25-21

RONALD R. BOHANNAN P.E. #7868

TRANSPORT HOUSING
TRANSPORT ST & FLIGHTWAY AVE

DRAINAGE BASIN MAPS

DRAWN BY: BF

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JOB #: 2020072

TIERRA WEST, LLC
5571 MIDWAY PARK PLACE NE
ALBUQUERQUE, NM 87109
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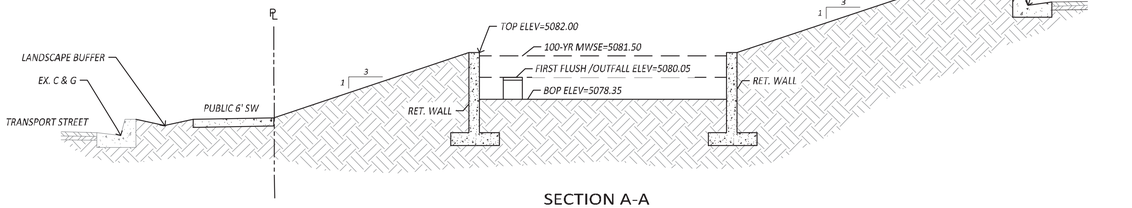
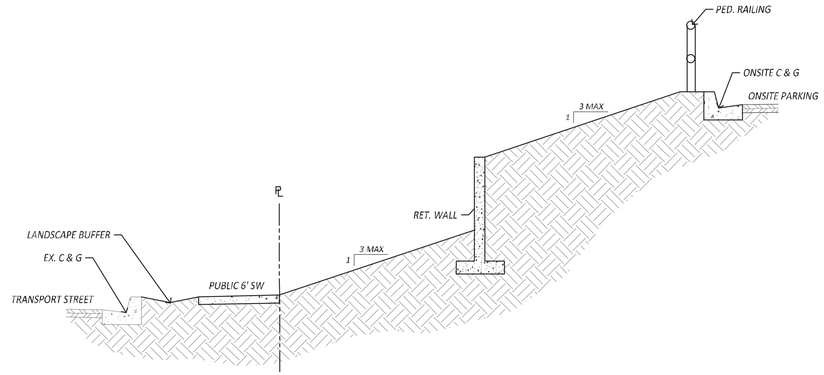


SECTION A-A
NTS



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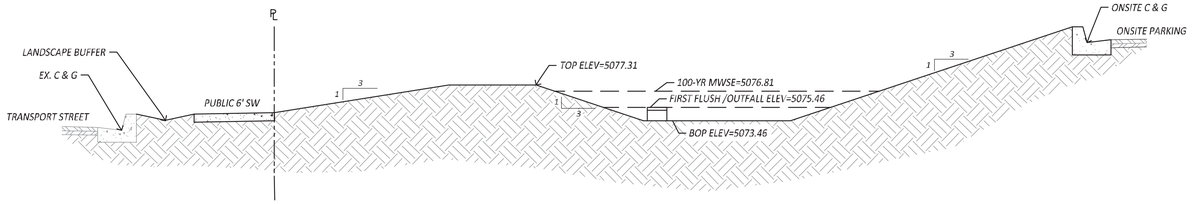

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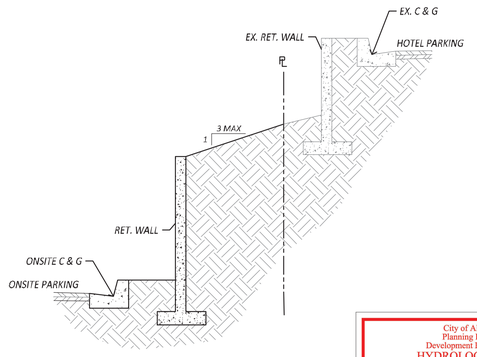

SECTION D-D
NTS

City of Albuquerque
Planning Department
Development Review Services
HYDROLOGY SECTION
PRELIMINARY APPROVED
DATE: 10/04/21
BY: Ronald R. Bohannan
HydroTrans #: M15D023H

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ENGINEER'S SEAL

RONALD R. BOHANNAN
NEW MEXICO
7868
PROFESSIONAL ENGINEER
08-25-21

RONALD R. BOHANNAN
P.E. #7868

TRANSPORT HOUSING
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POND CROSS SECTIONS

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DATE
8/3/2021

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2020072