

CITY OF ALBUQUERQUE

Planning Department
Alan Varela, Interim Director



Mayor Timothy M. Keller

October 27, 2021

David Soule, P.E.
Rio Grande Engineering
P.O. Box 93924
Albuquerque, NM 87199

RE: 1516 Rosemont Ave. NW
Grading and Drainage Plan
Engineer's Stamp Date: 10/06/21
Hydrology File: J13D104

Dear Mr. Soule:

Based upon the information provided in your submittal received 10/06/2021, the Grading and Drainage Plan is approved for Building Permit and Grading Permit. Since this site appears to have need little grading for the proposed building, a pad certification is not needed for this project.

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.

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
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: summer/rosemont **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____

Legal Description: _____

City Address: 1516 Summer and 1519 Rosemont

Applicant: LOTS 9A AND 10A Block 2 Summer Garden Addition **Contact:** _____

Address: _____

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

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE

Address: PO BOX 93924 ALB NM 87199

Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: _____ PLAT ☒ RESIDENCE _____ DRB SITE _____ ADMIN SITE

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
_____ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

_____ ENGINEER/ARCHITECT CERTIFICATION
_____ PAD CERTIFICATION
_____ 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?

IS THIS A RESUBMITTAL?: _____ Yes ☒ No

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
_____ FLOODPLAIN DEVELOPMENT PERMIT
_____ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

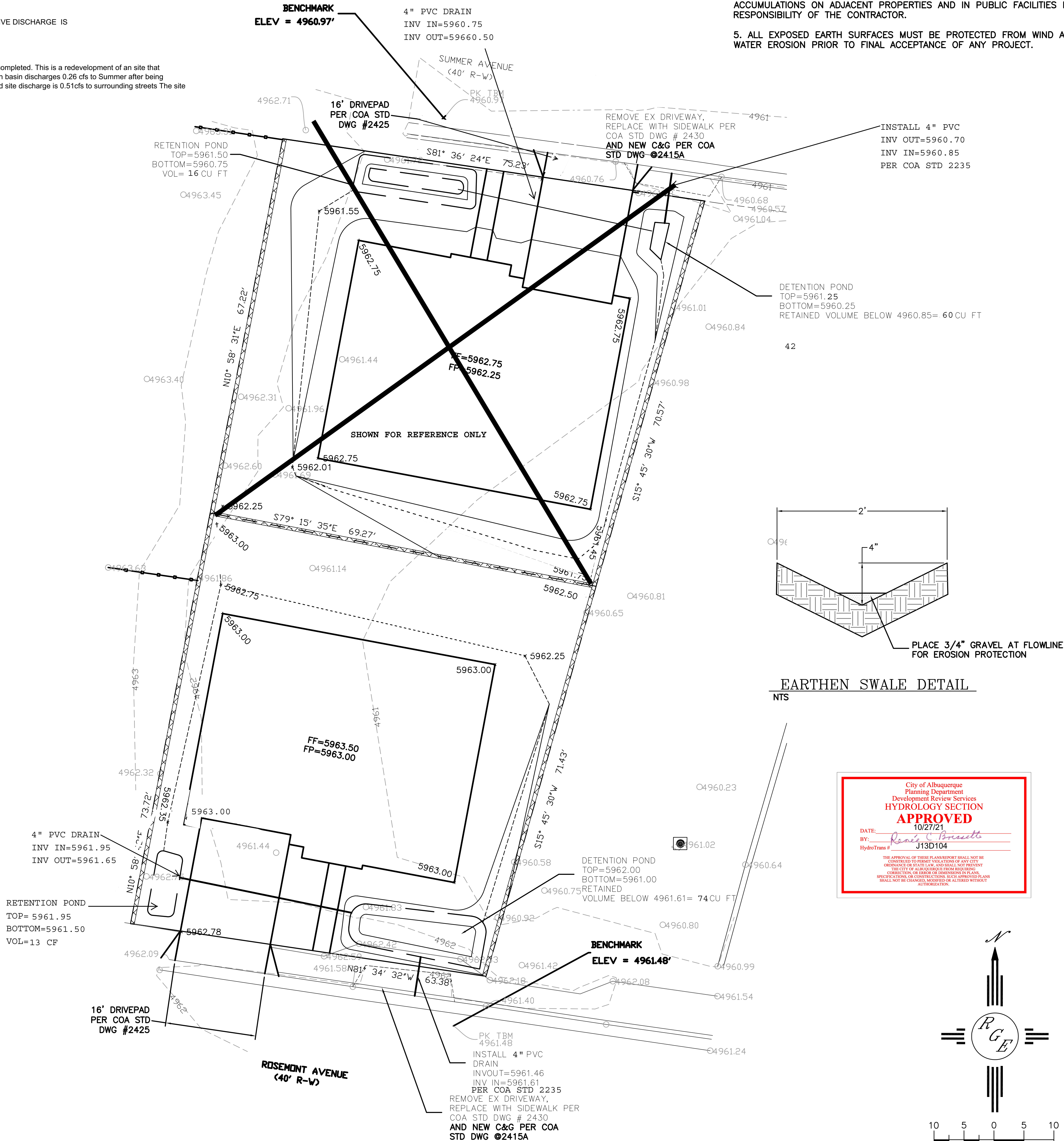
BASIN DATA

Basin	Area (sf)	Area (acres)	Treatment A		Treatment B		Treatment C		Treatment D		Q100 GENERATED	Q100 DISCHARGED
			%	(acres)	%	(acres)	%	(acres)	%	(acres)		
EXISTING LOT	9786.00	0.225	0%	0	45%	0.101	40%	0.0899	15%	0.034	0.62	0.62
SUMMER	4984.00	0.114	0%	0	30%	0.034	27%	0.0309	43%	0.049	0.38	0.28
ROSEMONT	4802.00	0.110	0%	0	29%	0.032	26%	0.0287	45%	0.050	0.38	0.25
TOTAL PER LOT												0.51

** CALCULATION IS FOR EACH IDENTICAL LOT

* SITE DISCHARGE CALCULATED UTILIZING AHYMO. THE DETENTION PONDS HAVE DIFFERENT Tp THEREFORE THE CUMULATIVE DISCHARGE IS SLIGHTLY LESS THAT THE SUMMATION OF EACH BASIN

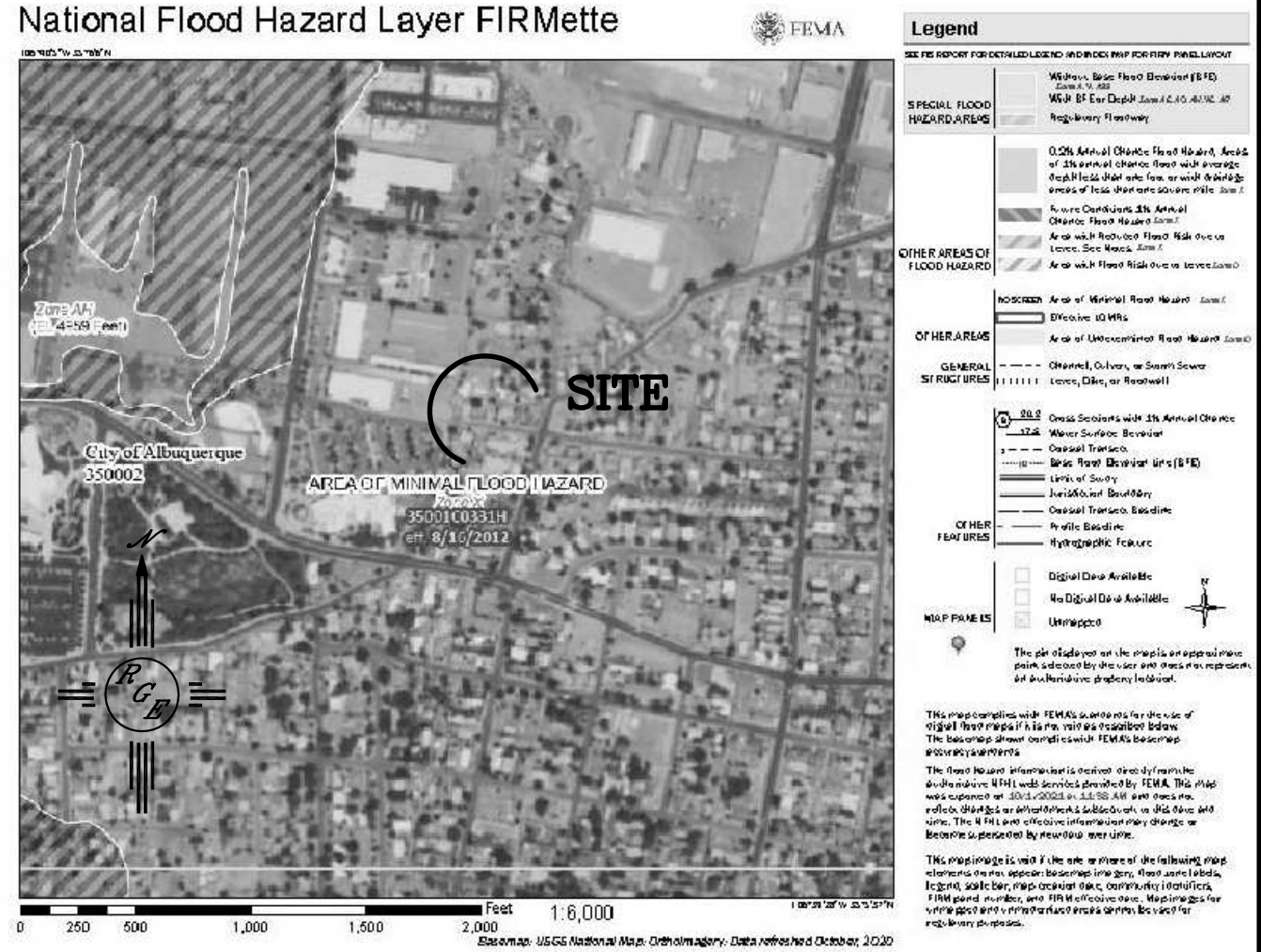
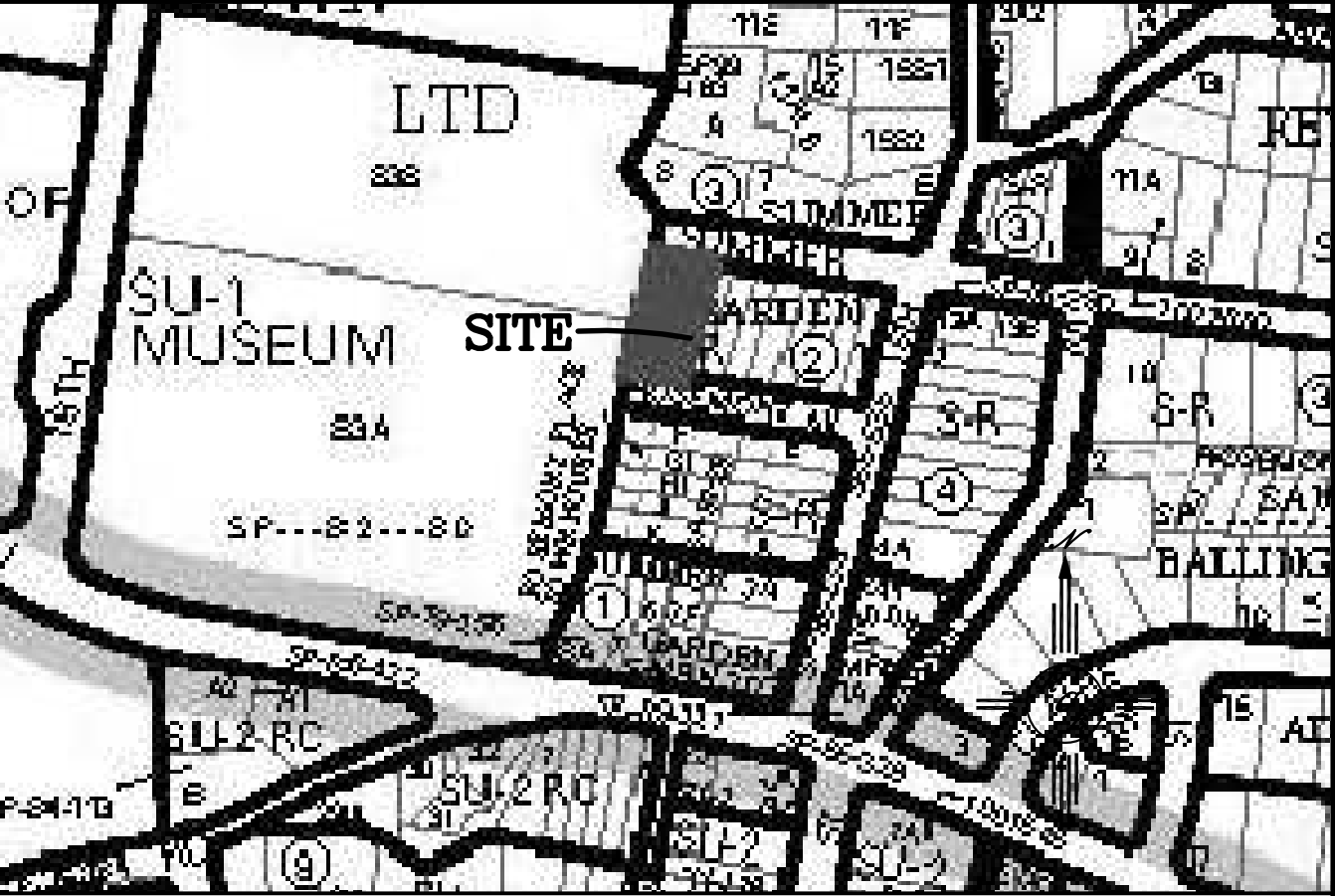
Narrative
The subject property is located within a fully developed area of near NW Albuquerque. All down stream drainage improvements have been completed. This is a redevelopment of an site that discharges 0.62 cfs to the surrounding properties. The proposed improvements consist of 2 onsite basins, one for each new lot. The northern basin discharges 0.26 cfs to Summer after being routed through a detention pond. The south Basin is routed through a detention pond discharging 0.25 cfs to Rosemont. The total developed site discharge is 0.51cfs to surrounding streets The site discharges less than historical to the surrounding roadways, where the flow is captured by an adjacent public storm drain.



CAUTION:
EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS 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.



FIRM MAP:

LEGAL DESCRIPTION:

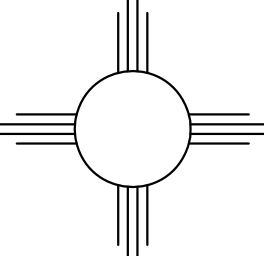
LOTS 9A, 10A, BLOCK 2 SUMMER GARDEN ADDN

NOTES:

1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. NO PONDING WITHIN 10' OF STRUCTURE.

LEGEND

- XXXX--- EXISTING CONTOUR
- XXXX--- EXISTING INDEX CONTOUR
- XXXX--- PROPOSED CONTOUR
- XXXX--- PROPOSED INDEX CONTOUR
- XXXX--- SLOPE TIE
- + XXXXX EXISTING SPOT ELEVATION
- + XXXXX PROPOSED SPOT ELEVATION
- LOT LINE
- CENTERLINE
- RIGHT-OF-WAY
- PROPOSED PVC SD (SEE PLAN FOR SIZE)
- GRAVEL LINED SWALE
- ===== EXISTING CURB AND GUTTER
- ===== PROPOSED CMU SCREEN WALL-DESIGN BY OTHERS 18" MAX RETAINGE @ PERIMETER WALL

ENGINEER'S SEAL  10/6/21 DAVID SOULE P.E. #14522	1519 ROSEMONT AVE	DRAWN BY: WCVJ
	GRADING AND DRAINAGE PLAN	DATE: 10-01-21
 1606 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 872-0999	SHEET # —	JOB # 210210088

ANYMO PROGRAM (ANYMO-S4) - Version: 54.01a - Rel: 01a RUN DATE (MON/DAY/YR) = 10/06/2021 USER NO.: RioGrandeEng\ra4196311 STATION FILE (HR:MIN:SEC) = 14:37:28 JOBS\2021285-1516summer\p0ndrout100621.txt *S ANYMO - DETENTION-SUMMER/ROSEMONT POND ROUTING START TIME=0.0 PUNCH CODE=0 RAINFALL TYPE=2 QUARTER=0.0 ONE= 1.74 IN SIX=2.11 IN DAY= 3.49 IN DT = 0.05 HR AREAS (NM & AZ) = 24-HOUR RAINFALL DIST. - BASED ON NOAA ATLAS 14 FOR CONVECTIVE DT = 0.050000 HOURS END TIME = 24.000002 HOURS 0.0000 0.0031 0.0064 0.0098 0.0135 0.0174 0.0218 0.0280 0.0377 0.0481 0.0590 0.0707 0.0827 0.0950 0.0377 0.1206 0.1150 0.1499 0.1663 0.1883 0.2134 0.2471 0.2853 0.3325 0.3955 0.4663 0.5486 0.7787 1.0454 1.3155 1.5140 1.6048 1.6843 1.7415 1.7869 1.8266 1.8556 1.8822 1.9042 1.9216 1.9368 1.9504 1.9632 1.9745 1.9852 1.9951 2.0037 2.0140 2.0267 2.0233 2.0278 2.0321 2.0363 2.0404 2.0444 2.0484 2.0521 2.0558 2.0595 2.0631 2.0666 2.0700 2.0731 2.0766 2.0798 2.0830 2.0861 2.0891 2.0921 2.0951 2.0980 2.1008 2.1037 2.1063 2.1093 2.1120 2.1147 2.1174 2.1200 2.1226 2.1252 2.1277 2.1303 2.1328 2.1352 2.1377 2.1401 2.1425 2.1448 2.1472 2.1495 2.1518 2.1540 2.1563 2.1585 2.1607 2.1629 2.1651 2.1672 2.1693 2.1715 2.1735 2.1756 2.1777 2.1795 2.1817 2.1837 2.1857 2.1876 2.1896 2.1915 2.1934 2.1953 2.1972 2.1991 2.2009 2.2028 2.2046 2.2064 2.2082 2.2100 2.2136 2.2171 2.2207 2.2242 2.2278 2.2313 2.2349 2.2384 2.2420 2.2456 2.2491 2.2527 2.2562 2.2598 2.2633 2.2669 2.2704 2.2740 2.2776 2.2811 2.2847 2.2882 2.2918 2.2953 2.2989 2.3024 2.3060 2.3096 2.3131 2.3167 2.3202 2.3238 2.3273 2.3309 2.3344 2.3380 2.3416 2.3451 2.3487 2.3522 2.3558 2.3593 2.3629 2.3664 2.3700 2.3736 2.3771 2.3807 2.3842 2.3878 2.3913 2.3949 2.3984 2.4020 2.4056 2.4091 2.4127 2.4162 2.4198 2.4233 2.4269 2.4304 2.4340 2.4376 2.4411 2.4447 2.4482 2.4518 2.4553 2.4589 2.4624 2.4660 2.4696 2.4731 2.4767 2.4802 2.4838 2.4873 2.4909 2.4944 2.4980 2.5016 2.5051 2.5087 2.5122 2.5158 2.5193 2.5229 2.5264 2.5300 2.5336 2.5371 2.5407 2.5442 2.5478 2.5513 2.5549 2.5584 2.5620 2.5656 2.5691 2.5727 2.5762 2.5798 2.5833 2.5869 2.5904 2.5940 2.5976 2.6011 2.6047 2.6082 2.6118 2.6153 2.6189 2.6224 2.6260 2.6296 2.6331 2.6367 2.6402 2.6438 2.6473 2.6509 2.6544 2.6580 2.6616 2.6651 2.6687 2.6722 2.6758 2.6793 2.6829 2.6864 2.6900 2.6936 2.6971 2.7007 2.7042 2.7078 2.7113 2.7149 2.7184 2.7220 2.7256 2.7291 2.7327 2.7362 2.7398 2.7433 2.7469 2.7504 2.7540 2.7576 2.7611 2.7647 2.7682 2.7718 2.7753 2.7789 2.7824 2.7860 2.7895 2.7931 2.7967 2.8002 2.8038 2.8073 2.8109 2.8144 2.8180 2.8216 2.8251 2.8287 2.8322 2.8358 2.8393 2.8429 2.8464 2.8500 2.8536 2.8571 2.8607 2.8642 2.8678 2.8713 2.8749 2.8784 2.8820 2.8856 2.8891 2.8927 2.8962 2.8998 2.9033 2.9069 2.9104 2.9140 2.9176 2.9211 2.9247 2.9282 2.9318 2.9353 2.9389 2.9424 2.9460 2.9496 2.9531 2.9567 2.9602 2.9638 2.9673 2.9709 2.9744	ANYMO.OUT 2.9780 2.9818 2.9857 2.9887 2.9922 2.9958 2.9993 3.0029 3.0064 3.0103 3.0134 3.0171 3.0207 3.0242 3.0278 3.0313 3.0349 3.0384 3.0420 3.0456 3.0491 3.0527 3.0562 3.0598 3.0633 3.0669 3.0704 3.0740 3.0776 3.0811 3.0847 3.0882 3.0918 3.0953 3.0989 3.1024 3.1060 3.1095 3.1130 3.1165 3.1200 3.1236 3.1273 3.1309 3.1344 3.1380 3.1416 3.1451 3.1487 3.1522 3.1558 3.1593 3.1629 3.1664 3.1700 3.1736 3.1771 3.1807 3.1842 3.1878 3.1913 3.1949 3.1984 3.2020 3.2056 3.2091 3.2127 3.2162 3.2198 3.2234 3.2269 3.2304 3.2340 3.2376 3.2411 3.2447 3.2482 3.2518 3.2553 3.2589 3.2624 3.2660 3.2696 3.2731 3.2767 3.2802 3.2838 3.2873 3.2909 3.2944 3.2980 3.3016 3.3051 3.3087 3.3122 3.3158 3.3193 3.3229 3.3264 3.3300 3.3336 3.3371 3.3407 3.3442 3.3478 3.3513 3.3549 3.3584 3.3620 3.3655 3.3691 3.3727 3.3762 3.3798 3.3833 3.3869 3.3904 3.3940 3.3975 3.4011 3.4047 3.4082 3.4118 3.4153 3.4189 3.4224 3.4260 3.4295 3.4331 3.4367 3.4402 3.4438 3.4473 3.4509 3.4544 3.4580 3.4615 3.4651 3.4687 3.4722 3.4758 3.4793 3.4829 3.4864 3.4900 Basin HISTORICAL COMPUTE NM HYD ID=1 HYD NO=101 DA= .0003510 SQ MI PER A=0 PER B=45 PER C=40 PER D=15 TP=-.138 MASSRAIN=1 K = 0.075210HR TP = 0.138000HR K/TP RATIO = 0.545000 SHAPE CONSTANT, N = 2.106428 UNIT PEAK = 0.20079 CFS UNIT VOLUME = 0.9442 B = 526.28 P60 = 1.7400 AREA = 0.000053 SQ MI IA = 0.10000 INCHES INF = 0.04000 INCHES PER HOUR RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = 0.050000 K = 0.123909HR TP = 0.138000HR K/TP RATIO = 0.897894 SHAPE CONSTANT, N = 3.947531 UNIT PEAK = 0.26028 CFS UNIT VOLUME = 0.9835 B = 351.66 P60 = 1.7400 AREA = 0.000298 SQ MI IA = 0.42941 INCHES INF = 0.105235 INCHES PER HOUR RUNOFF COMPUTED BY INITIAL ABSTRACTION/INFILTRATION NUMBER METHOD - DT = 0.050000 PRINT HYD ID=1 CODE=3 PARTIAL HYDROGRAPH 101.00 TIME TIME FLOW TIME TIME FLOW TIME TIME FLOW HRS HRS CFS HRS CFS HRS CFS HRS CFS 14.850 0.000 0.0 19.800 4.950 0.0 9.900 0.0 14.850 0.150 0.0 19.800 5.100 0.0 10.050 0.0 15.000 0.0 0.0 19.950 5.250 0.0 10.200 0.0 15.150 0.300 0.0 20.100 5.400 0.0 10.350 0.0 15.300 0.450 0.0 20.250 5.550 0.0 10.500 0.0 15.450 0.600 0.0 20.400 5.700 0.0 10.650 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