

City of Prescott

Council Subcommittee on Water Issues



August 1, 2023 | 9:30 AM
201 N Montezuma Street
Council Chambers, 3rd Floor
Prescott, AZ 86301

AGENDA

The following Agenda will be considered by the **Prescott Council Subcommittee on Water Issues at Regular Subcommittee Meeting** pursuant to the Prescott City Charter, Article II, Section 13. Notice of the meeting is given pursuant to Arizona Revised Statutes, Section 38-431.02. One or more members of the Council may be attending the meeting through the use of a technological device.

Viewing & Participation

This meeting may be viewed on Channel 64, Facebook Live or on the City's website: [City of Prescott Public Portal](#)

Public comments for Council may be submitted through the City website: [Public Comment Form](#)

1. CALL TO ORDER

2. ROLL CALL

3. PUBLIC COMMENT

Public comment will be accepted following each agenda item and are limited to three (3) minutes. Please complete a comment card and return it to the City Clerk, speakers will be called in the order received.

4. DISCUSSION & ACTION ITEMS

A. Approval of the June 6, 2023 Meeting Minutes.

Recommended Action: MOVE to approve the June 6, 2023 minutes as presented

B. Presentation & Discussion Regarding an Overview of the Current Residential & Non-Residential Water Budget for July 1, 2023 through July 24, 2023.

Recommended Action: This item is for discussion only. No formal action will be taken.

C. Water Service Application No. WSA23-014; Submitted by Distinctive Homes and Architecture, on Behalf of Owner Dinh Tran. Location: APNs 110-02-102A and 110-02-102B, Comprising 1.24 Acres, in T13N, R02W, Section 03, NW ¼.

Recommended Action: MOVE to recommend forwarding WSA23-014 to Council for approval or denial

- D. Presentation & Discussion Regarding the City's FY23 Water Conservation Rebate Program (July 1, 2022 through June 30, 2023).
Recommended Action: This item is for discussion only. No formal action will be taken.
- E. Discussion Regarding the Monthly PFAS Update.
Recommended Action: This item is for discussion only. No formal action will be taken.

5. GENERAL ANNOUNCEMENTS FROM STAFF

6. ADJOURNMENT

Upon a public majority vote of a quorum of the City Council, the Council may hold an executive session, which will not be open to the public, regarding any item listed on the agenda but only for the following purposes:

- (1) Discussion or consideration of personnel matters (A.R.S. §38-431.03(A)(1));
- (2) Discussion or consideration of records exempt by law (A.R.S. §38-431.03(A)(2));
- (3) Discussion or consultation for legal advice with the city's attorneys (A.R.S. §38-431.03(A)(3));
- (4) Discussion or consultation with the city's attorneys regarding the city's position regarding contracts that are the subject of negotiations, in pending or contemplated litigation, or in settlement discussions conducted in order to avoid litigation (A.R.S. § 38-431.03(A)(4));
- (5) Discussion or consultation with designated representatives of the city to consider its position and instruct its representatives regarding negotiations with employee organizations (A.R.S. §38-431.03(A)(5));
- (6) Discussion, consultation or consideration for negotiations by the city or its designated representatives with members of a tribal council, or its designated representatives, of an Indian reservation located within or adjacent to the city (A.R.S. §38-431.03(A)(6));
- (7) Discussion or consultation with designated representatives of the city to consider its position and instruct its representatives regarding negotiations for the purchase, sale or lease of real property (A.R.S. §38-431.03(A)(7)).

CERTIFICATION OF POSTING OF NOTICE

The undersigned hereby certifies that a copy of the foregoing notice was duly posted at Prescott City Hall on 7/28/23 at 9:00 a.m. in accordance with the statement filed by the Prescott City Council with the City Clerk.



Sarah M. Siep, City Clerk



TO: MAYOR AND CITY COUNCIL
AGENDA: August 1 Water Issues Subcommittee Meeting
DATE: August 1, 2023
DEPT: City Clerk
ITEM #: 4.A
SUBJECT: Approval of the June 6, 2023 Meeting Minutes.

ITEM SUMMARY

Attached for approval are the Council Subcommittee on Water Issues minutes for the June 6, 2023 meeting.

BACKGROUND

None

FINANCIAL IMPACT

None

RECOMMENDED ACTION

MOVE to approve the June 6, 2023 minutes as presented

ATTACHMENTS

1. June 6, 2023 WIS Minutes

City of Prescott
**Council Subcommittee on
Water Issues**



June 6, 2023 | 9:30 AM
201 N Montezuma Street
Council Chambers, 3rd Floor
Prescott, AZ 86301

MINUTES

1. CALL TO ORDER

Member Montoya called the meeting to order at 9:32 a.m.

2. ROLL CALL

Chairperson Rusing - Excused
Member Montoya
Member Sischka

3. PUBLIC COMMENT

Public comment will be accepted following each agenda item and are limited to three (3) minutes. Please complete a comment card and return it to the City Clerk, speakers will be called in the order received.

4. DISCUSSION & ACTION ITEMS

A. Approval of the May 2, 2023 Meeting Minutes.

MOTION BY MEMBER SISCHKA TO APPROVE MAY 2, 2023 MEETING MINUTES; SECONDED BY MEMBER MONTOYA: PASSED (2 - 0)

B. Monthly PFAS Update.

Utilities Manager Steve Olfers provided a presentation to the Subcommittee regarding PFOS updates stating that staff is waiting for the final Environmental Protection Agency (EPA) ruling. He stated that comments are still coming into the EPA and staff will hear more by late summer. City staff has collected samples for the second quarter, and the blending process is still producing non-detect levels at the Chino entry point to the distribution system (EPDS). Additionally, Airport well number five is still out of service due to noncompliance with the proposed rules.

Member Montoya asked if there are any concerns about meeting demand with summer approaching and if staff is still considering potential mitigation options for Airport well number five.

Mr. Olfers replied that there are no concerns and that there is plenty of capacity to meet any challenges. Staff is waiting on the report from Waterworks Engineers, who has been consulted to provide options regarding the best

financial and production approach to Airport well number five, and will share that with the Subcommittee when received.

Member Sischka asked if the fire-fighting foam that has caused Airport well number five's closure has been reviewed for reconstitution.

Mr. Olfers responded that the military is working on some other type of combination, but to his knowledge, federal rule still calls for the use of the aqueous film forming foam (AFFF) in those types of situations.

C. Current Residential & Non-Residential Water Budget Overview for January 1, 2023 through May 15, 2023.

Water Resources Manager Brian Ruiz provided a presentation to the Subcommittee regarding the current residential and non-residential water budget.

Residential

Between January 1 and May 15, 2023, eight (8) residential projects were approved, totaling 14.84 acre-feet (AF). Five (5) projects were administratively approved, and three (3) were Council approved.

Total AF Budgeted – 25 AF

Total AF Approved – 14.84 AF

Total AF Remaining – 10.16 AF

Non-Residential

Between January 1 and May 15, 2023, twelve (12) non-residential projects were approved, totaling 13.25 AF. Eleven (11) were administratively approved, and one (1) was Council approved.

Total AF Budgeted – 25 AF

Total AF Approved – 13.25 AF

Total Remaining – 11.75 AF

Member Montoya asked what happens if one of the approvals in either category does not proceed.

Mr. Ruiz replied that the water service applications are tied to the permit and administratively or Council approved permits that do not move sufficiently through the process are reallocated to the water budget.

Projects Under Existing Contracts

Between January 1 and May 15, 2023, there were 24 projects currently under existing contracts. Twenty-two (22) were single-family homes, primarily in groundwater subdivisions. One multi-family permit accounts for 458 units totaling 63.84 AF. There were 482 residential dwelling units approved under existing contracts totaling 68.22 AF through this period.

D. Presentation and Discussion Regarding the July to December 2023 Residential & Non-Residential Water Budgets, in Accordance with the 2022 Water Management Policy, Policy No. 11.

Mr. Ruiz provided a presentation to the Subcommittee regarding the July through December 2023 water budget beginning with the January-June 2023 water budget summary:

Residential

Water Budget – 25 AF

Total Approvals – 14.84 AF

Total Remaining – 10.16 AF (59% of the budget)

Non-Residential

Water Budget - 25 AF

Total Approvals - 13.25 AF

Total Remaining - 11.75 AF (53% of the budget)

Mr. Ruiz continued with the July-December 2023 proposed water budget stating that the L'Reserve Apartment project is an outlier and, given the possibility that not all of the projects shown will come through in the next six months, the projected 25 AF seems adequate:

Potential Residential – 25 AF

Espire Sports Casitas – 3 AF

Townhomes at the Ranch - 2 AF

Rincon Ridge – 3.5 AF

Senator Drive-in Subdivision – 7.5 AF

L'Reserve Apartment & Townhomes – 10.00 AF

Potential Non-Residential – 25 AF

Plaza Hotel – 4 AF

New Office Building - <1 AF

Quik Trip – 2.5 AF

Member Montoya asked if there was an update regarding the water budget management.

Water Resource Project Manager Leslie Graser responded that the eight policy changes that did not move forward to Council included the water budget, so changes will not be reflected in this budget cycle.

Mr. Ruiz commented that staff has been working on documenting existing contracts, Water Resource Management Model (WRMM) disconnects and collaboration with the WRMM consultants.

Member of the public Peter Kroopnick addressed the Subcommittee stating that the city will need the water being pumped to the storage tank to service the development on Highway 69.

Mr. Olfers stated that the 1.5 million gallon water tank being constructed is a replacement for the water tanks that have aged out – all water will be combined into the new tank and Airport well five will not need to be used.

MOTION BY MEMBER SISCHKA TO FORWARD THE RESIDENTIAL AND NONRESIDENTIAL WATER BUDGETS TO COUNCIL FOR APPROVAL; SECONDED BY MEMBER MONTTOYA: PASSED (2 - 0)

- E. Discussion and Update Regarding the City's Participation in Comprehensive Agreement No.1.

Water Resource Project Manager Leslie Graser provided a presentation to the Subcommittee regarding Comprehensive Agreement No. 1 beginning with an overview of the history of the agreement:

- Big Chino supplies were put into the Decision and Order (D&O)
- Contestation and litigation ensued
- Litigation ceased with remaining concerns
- City worked with the downstream water right holder and Prescott Valley
- Comprehensive Agreement No. 1 formed which launched the city into monitoring and modeling

Ms. Graser continued with an overview of the structure of Comprehensive Agreement No. 1:

Principals

Prescott City Manager
Prescott Valley Town Manager
Salt River Project (SRP) Manager

Steering Committee

Prescott – Leslie Graser
Prescott Valley - Neil Wadsworth
SRP – Adam Smith

Specialized Technical Consultants

Prescott and Prescott Valley – Matrix New World (Southwest Groundwater)
SRP – LRE Water

Ms. Graser explained that a description of the Agreement in Principle and Comprehensive Agreement No. 1, including the related resolutions and contracts are available on the city website and continued with an overview of the Modeling Update. Contract Allowance Authorization No. 4 was fully executed on May 4, 2023 with the intention to have it completed by July 18, 2024. The remaining contract allowance, which staff feels will be needed, is \$17,880.51. She pointed out that the money for this project has been funded and staff is not seeking Council approval for more money – the \$5.6 million received was split three ways and has been in the bank for almost four years. A kick-off meeting was held on May 17, 2023, where staff learned that project management had shifted to Adam Finch and the project start date had been moved to May 16, 2023. Ms. Graser commented that there is a lot of work to be done before the fourth final report is complete - the next steps are for the technical specialized consultants to run model scenarios focusing predominately on pumping and pumping location within the basin, model performance, and the future of the model.

Member Montoya asked if staff has a timeline of when the modeling component will be completed.

Ms. Graser responded that she would have to consult the partners; the delay with WSP (formerly Golder) had put a hold on the contract signing, adding that she expects it will be six to nine months before completion.

Member Sischka asked what the outcome of this process would look like in a perfect world.

Ms. Graser replied that it is important to have clear and strong communications with downstream partners, a strong model that can be used for future planning, and potential mitigation that is trackable. This model's intention is to see if there would be any impacts on the Upper Verde related to pumping in the Big Chino area.

Member Sischka asked if the ideal outcome would be that the Verde River was not impacted.

Ms. Graser responded ideally none to very limited impact, adding that any time there is a population that no longer migrates from a location that is pumped from, there can be impacts; the potential impacts are unknown at this point.

Member of the public Peter Kroopnick addressed the Subcommittee stating that the schedule Ms. Graser presented does not include public comment and it would be a good idea to include that in the building of the scenario portion.

Ms. Graser agreed that public outreach is important. However, because this is a three-party agreement, it is not solely up to the city on how the public interfaces.

F. Discussion Regarding Proposed Water Legislation Impacting the City of Prescott & Surrounding Areas.

Mr. Ruiz provided a presentation to the Subcommittee regarding the Proposed Water Legislation impacting the city and surrounding areas, stating that the Northern Arizona Municipal Water Users Association (NAMWUA) has been tracking the water legislation and at this point has looked at approximately 80 water-related bills and has made 18 recommendations in support and opposed four (4). Mr. Ruiz reviewed those bills that have an impact on the local area:

HB2765 – water resources and treatment. This bill appropriates \$5,000,000 from the General Fund in fiscal year 2023-2024 for the Arizona Department of Environmental Quality (ADEQ) to identify, contain and treat water resources for PFAS and PFOS. This bill has died as it could not make it out of committee.

SB1432 – assured water; small residential developments. This bill will require anyone seeking building permits for more than six residential units within an active management area (AMA) in an unincorporated county area to obtain a certificate of assured water supply from ADWR before presenting the permit

application for approval to the county. This requirement will not apply to an applicant who has obtained a written commitment of water services from a city, town, or private water company designated as having an assured water supply. Details are being worked out within the legislature to allow the bill to move forward.

Member Montoya asked if this would have an impact on development in Yavapai County in unincorporated areas.

Mr. Ruiz confirmed.

HB2793 – water-efficient plumbing fixtures. This bill requires all fixtures in the state to meet or exceed the EPA’s Water Sense Program standards and will require all state buildings to make every effort to install waterless urinals by August 25, 2024. This bill has died as it could not make it out of committee.

SB1660 – water effluent credit. NAMWUA remains neutral; however, the Arizona Municipal Water Users Association (AMWUA) opposes this bill. This bill stems from a specific problem in the valley with beverage manufacturers using too much water and creating discharge issues. This bill would allow industrial users to treat and store their water and obtain long-term storage credits. This bill made its way through the Senate and has been stalled in the House since March.

HB 2731- local groundwater stewardship areas. NAMWUA remains neutral on this bill establishing the local groundwater stewardship fund and authorizing ADWR to oversee the fund. This bill would transfer \$50,000,000 of state lottery funds to the ADWR’s groundwater stewardship fund to create local groundwater stewardship areas. In addition, this bill would allow county supervisors to create a council and management plan for the groundwater areas and provide a best management practice for groundwater conservation. This bill has died as it could not make it out of committee.

HB2561- city water provider requirements and service. Requires a city or town that provides water service to provide water service through a standpipe for water hauling to persons residing outside a city’s or town’s water service area who do not have access to sufficient water, with certain requirements. This bill has not been taken up by the Senate yet.

SB1392 – appropriation to the AZ State Parks Board for the Upper Verde River. This bill appropriates an amount from the general fund to the AZ state parks board to create a state park at the headwaters of the Verde River. The Town of Chino Valley has requested NAMWUA’s support for this bill. This bill has been amended to change the funding from \$10 million to \$7 million and has made it into the recently approved \$18 billion state budget. Senator Sinema is pursuing an additional \$2 million in Congress direct spending.

5. GENERAL ANNOUNCEMENTS FROM STAFF

Mr. Ruiz provided an overview of the monthly water pumped vs. recharge deliveries, stating that all volumes shown are provisional until staff files the annual water withdrawal and use report to ADWR in March of each year.

Ms.Graser provided a presentation to the Subcommittee regarding activities across the state related to Executive Order 2023-04, creating the Governor's Water Policy Council (GWPC).

- Ron Doba, executive director of NAMWUA, has been appointed to the GWPC
- The GWPC held an opening meeting on May 17, 2023
- Focus areas are Assured Water Supply (AWS) and Rural Groundwater
- Objectives of the group
 - Strengthening the integrity of the AWS program
 - Protecting consumers and aquifers
 - Ensuring future growth is not reliant on mined groundwater

6. **ADJOURNMENT**

There being no further business to discuss, Member Montoya adjourned the meeting at 10:32 a.m.

Cathey Rusing, Chairperson

ATTEST:

Jennifer Wiita, Deputy City Clerk

CERTIFICATION

I hereby certify that the foregoing minutes are a true and correct copy of the minutes of the Council Subcommittee on Water Issues of the City of Prescott, Arizona held on June 6, 2023. I further certify the meeting was duly called and held and that a quorum was present.

Jennifer Wiita, Deputy City Clerk



TO: MAYOR AND CITY COUNCIL
AGENDA: August 1 Water Issues Subcommittee Meeting
DATE: August 1, 2023
DEPT: Public Works
ITEM #: 4.B
SUBJECT: Presentation & Discussion Regarding an Overview of the Current Residential & Non-Residential Water Budget for July 1, 2023 through July 24, 2023.

ITEM SUMMARY

Review and discussion regarding the current residential and non-residential water budgets, including projects that have received approval for water between July 1, 2023 and July 24, 2023.

BACKGROUND

The 2022 Water Policy, Policy 11-13, established a semi-annual water budget for residential and non-residential projects. The budget set for January 1, 2023 through June 30, 2023 for residential projects was 25 acre-ft/year and the budget set for non-residential projects was also 25 acre-ft/year.

Between July 1, 2023 and July 24, 2023 a total of 1 residential project was approved. This equated to 0.17 acre-ft/year being approved. This project did not exceed the administrative approval threshold of 1 acre-ft/year and was administratively approved by City Staff. The total remaining residential budget is 24.83 acre-ft/year.

Between July 1, 2023 and July 24, 2023, no non-residential projects were approved. The total remaining non-residential budget is 25.00 acre-ft/year.

Between July 1, 2023 and July 24, 2023, 1 project was approved under existing contracts. The project was a single residential unit, using 0.17 AFY. Projects under existing contract are not included in the water budget (Policy 9).

FINANCIAL IMPACT

N/A

RECOMMENDED ACTION

This item is for discussion only. No formal action will be taken.

ATTACHMENTS

1. Water Budget July 1 - July 24

	Number of Projects	Res Units	AF
Total Residential	1	1	0.17
Total Commercial	0	0	0.00

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WATER POLICY TRACKING TABLE
APPROVED PROJECTS

RESIDENTIAL PROJECTS							
	PERMIT TYPE	DESCRIPTION	PERMIT NUMBER	AFY	APPROVAL TYPE	WATER SERVICE AGREEMENT	DATE APPROVED
1	RESIDENTIAL	NEW SINGLE FAMILY	105-09-387	0.17	ADMIN - SINGLE FAMILY RESIDENTIAL	WSA23-042	7/17/2023
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							

TOTAL APPROVED	0.17
TOTAL BUDGET	25.00
TOTAL REMAINING	24.83

Please see Page 2 for Non-Residential Projects

**WATER POLICY TRACKING TABLE
APPROVED PROJECTS**

City of Prescott
Public Works Department
928-777-1130

COMMERCIAL PROJECTS						
	PROJECT TYPE	DESCRIPTION	PERMIT NUMBER	AFY	APPROVAL TYPE	DATE APPROVED
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						

TOTAL APPROVED	0.00
TOTAL BUDGET	25.00
TOTAL REMAINING	25.00

Please see Page 1 for Residential Projects



TO: MAYOR AND CITY COUNCIL
AGENDA: August 1 Water Issues Subcommittee Meeting
DATE: August 1, 2023
DEPT: Public Works
ITEM #: 4.C
SUBJECT: Water Service Application No. WSA23-014;
Submitted by Distinctive Homes and
Architecture, on Behalf of Owner Dinh Tran.
Location: APNs 110-02-102A and 110-02-102B,
Comprising 1.24 Acres, in T13N, R02W, Section
03, NW ¼.

ITEM SUMMARY

This water service application is for a 12-unit apartment building. The site is located on Rush Street, south of Goodwin St. The site is currently undeveloped and lies on the east side of Rush St. Water Service Application No. WSA23-014, submitted by Distinctive Homes and Architecture, on behalf of owner Dinh Tran. Location: APN 110-02-102A, and 110-02-102B, comprising 1.24 Acres, in T13N, R02W, Section 03, NW ¼.

BACKGROUND

Per the newly adopted City of Prescott Water Policy, any application that requires a water service application also requires a Site Plan application to be reviewed by the Planning and Zoning Commission. The intent of the Site Plan review is to ensure that all developments have functional, well-designed, and user-oriented special requirements.

A demand analysis was prepared by City Staff, using WRMM multipliers and ADWR landscaping estimates. The anticipated water usage for the project includes 12-apartment units and 0.32 acres of landscaping. Arizona Department of Water Resources recommends a multiplier of 1.5-acre feet per year for landscaping yielding an estimated landscape water demand of 0.21-acre feet per year. The total anticipated usage estimate is 1.65-acre feet per year.

Applicant has completed the following:
Application Received: March 17, 2023
Submitted All Documents: April 11, 2023
Planning and Zoning Commission Approval: July 13, 2023
Water Issues Subcommittee: August 1, 2023
City Council: August 22, 2023

FINANCIAL IMPACT

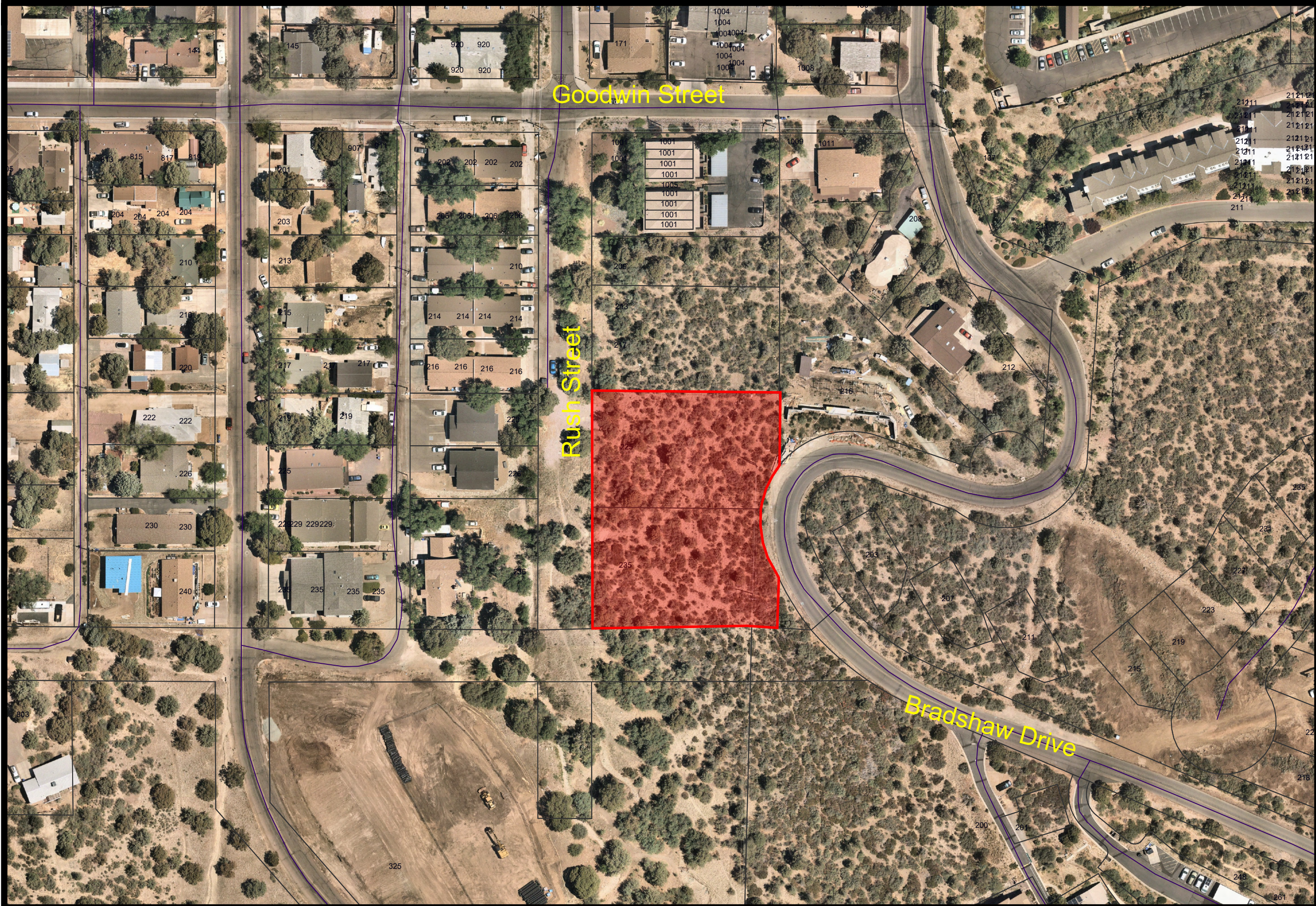
N/A

RECOMMENDED ACTION

MOVE to recommend forwarding WSA23-014 to Council for approval or denial

ATTACHMENTS

1. Rush St Apartments Map
2. Rush St Apartments Site Plan



Goodwin Street

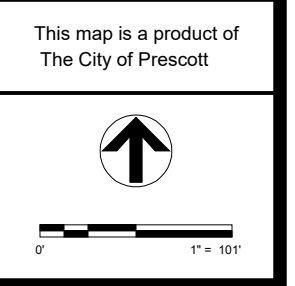
Rush Street

Bradshaw Drive



225 S Rush Street
110-02-102A and 110-02-102B
1.24 Acres

This map is a product of
The City of Prescott



GENERAL NOTES

1. THESE DOCUMENTS AND THE INFORMATION HEREIN RELATING TO "DISTINCTIVE HOMES" PLANS HAVE BEEN FURNISHED IN CONFIDENCE FOR THE PRIVATE USE OF AUTHORIZED PERSONNEL; NO PART HEREOF SHALL BE COPIED, DUPLICATED, DISTRIBUTED, DISCLOSED OR MADE AVAILABLE TO OTHERS OR USED TO ANY EXTENT WHATSOEVER EXCEPT AS CORPORATION RECEIVING THIS DOCUMENT, HOWEVER OBTAINED SHALL BY VIRTUE HEREOF BE DEEMED TO HAVE AGREED TO THE FORGOING RESTRICTIONS. 2023 COPYRIGHT

2. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE CODES IF DETAILED OR NOT

3. CONTRACTOR TO VERIFY ALL MEASUREMENTS PRIOR TO CONSTRUCTION.

4. CONTRACTOR TO PROVIDE WATER TIGHT DESIGN USING TYVEK OR OTHER APPROVED METHODS

5. ALL ALLOWANCES SHALL BE PROVIDED BY CONTRACTOR

6. INSTALL ALL MATERIALS TO MANU SPECS

7. SPRINKLERS & FIRE ALARMS ARE REQUIRED FOR THIS PROJECT

SPECIAL INSPECTIONS		
SPECIAL INSPECTIONS ARE/ARE NOT REQUIRED AS FOLLOWS		
TYPE	REQUIRED	REMARKS
SOIL BEARING SUBGRADE	YES	OBSERVE ALL EARTHWORK & TESTS AS REQUIRED BY THE GEOTECHNICAL REPORT

DEFERRED SUBMITTALS	
FIRE SPRINKLERS	BY OTHERS
FIRE ALARM	BY OTHERS
LANDSCAPE PLAN	BY OTHERS
GRADING & DRAINAGE PLAN	BY OTHERS



INSULATION NOTES

1. INSULATE THE FOLLOWING:
#CEILINGS (R-4#)
#SKYLIGHT & DORMER WELLS (R-1#)
#HALL EXTERNAL WOOD FRAMED WALLS (R-2#)
#WALLS BETWEEN HEATED & NON HEATED SPACES (R-2#)
#SOUND INSULATE AROUND MASTER SUITE & ALL BEDROOMS (R-1#)
#HALL MASS WALLS (R-5#)
#HALL WOOD FRAMED FLOORS BETWEEN HEATED & NON HEATED SPACES (R-1#)
#HALL SLAB FLOORS (R-10) (VERTICAL TO TOP OF FOOTING INSIDE EDGE OF STEM)
#HALL BASEMENT WALLS (EITHER R-10 EXTERIOR INSULATION OR R-1# CAVITY INSULATION)
#HALL CRAWL SPACE WALLS (EITHER R-10 EXTERIOR INSULATION OR R-1# CAVITY INSULATION) ((ALTERNATIVE TO INSULATING FLOORS OVER CRAWL SPACE))

2. CEILINGS (R-4#)
#MARKERS SHALL BE AFFIXED TO THE TRUSSES OR JOIST AND MARKED WITH MINIMUM INITIAL INSTALLED THICKNESS BY 1" HIGH NUMBERS. A MINIMUM OF ONE MARKER SHALL BE INSTALLED FOR EVERY 300 SQ. FT. OF AREA WITH NUMBERS TO FACE THE ATTIC ACCESS OPENING (MARKERS SHALL BE INSTALLED AT COMBO ROUGH-IN INSPECTION OR WALL INSULATION INSPECTION)

3. WOOD FRAMED WALLS
#INSULATION SHALL BE IN SUBSTANTIAL CONTACT WITH THE SURFACE BEING INSTALLED TO AVOID AIR PATHS THAT BYPASS THE INSULATION.
#INSULATION SHALL NOT BE COMPRESSED BY INSET STAPLING OF BATT INSULATION OR OTHER MEANS.
#INSULATION SHALL FILL ALL CAVITIES COMPLETELY BY CUTTING INSULATION AROUND ELECTRICAL OUTLETS AND SWITCHED, AND BY SLICING INSULATION TO FIT BEHIND & IN FRONT OF ELECTRICAL WIRING & PLUMBING PIPING IN THE CAVITY.

4. MASS WALLS (R-1#)
#MASS WALLS SHALL BE CONSIDERED WALLS OF CONCRETE BLOCK, CONCRETE, INSULATED CONCRETE FORM (ICF) MASONRY CAVITY, BRICK (OTHER THAN BRICK VENEER) EARTH (ADobe, COMPRESSED EARTH BLOCK, RAMMED EARTH) AND SOLID TIMBER/LOGS. MASS WALL R-VALUE REQUIREMENTS. WALLS THAT DO NOT MEET CRITERIA FOR INSULATION PLACEMENT SHALL MEET THE WOOD FRAMED WALL INSULATION REQUIREMENTS OF SECTION 402.1.1 IECC 2012

5. WOOD FRAMED FLOORS
#INSULATION SHALL BE IN SUBSTANTIAL CONTACT WITH THE SURFACE BEING INSULATED TO AVOID AIR PATHS THAT BYPASS THE INSULATION, INSTALLING SUPPORTS (WOOD, LATH, METAL STAVES OR OTHER.)

6. BASEMENT WALLS (EITHER R-10 EXTERIOR INSULATION OR R-1# CAVITY INSULATION)
EACH WALL OF BASEMENT MUST BE CONSIDERED SEPARATE TO DETERMINE WHETHER IT IS A BASEMENT WALL OR EXTERIOR WALL. A WALL THAT IS LESS THEN 50# BELOW GRADE IS AN EXTERIOR WALL AND MUST MEET THE INSULATION REQUIREMENTS FOR WALLS.

7. SLAB FLOORS (R-10 VERTICAL TO TOP OF FOOTING INSIDE EDGE OF STEM)
#MOST OF HEAT LOSS FROM SLAB WILL OCCUR IN THE EDGE THAT IS EXPOSED DIRECTLY TO OUTSIDE AIR. THE INSULATION MUST BE INSTALLED TO THE TOP OF THE SLAB EDGE TO PREVENT THIS HEAT LOSS. THERE ARE SEVERAL METHODS TO ACHIEVE SLAB INSULATING. (SEE SPECIFIC DETAILS ON FOUNDATION PLAN IF APPLICABLE.)

8. CRAWL SPACE WALLS INSULATION SHALL BE PERMANENTLY FASTENED TO THE WALL AND EXTEND DOWNWARD FROM THE FLOOR TO THE FINISHED GRADE LEVEL AND THE VERTICAL AND / OR HORIZONTAL FOR AT LEAST AN ADDITION 24".
#A CONTINUOUS VAPOR RETARDER SHALL BE INSTALLED TO THE EXPOSED EARTH. SEE DETAILS IF APPLICABLE.

9. PENETRATIONS THRU GARAGE FIREWALL TO BE CAULKED WITH ASTM E814 OR UL47# APPROVED

10. BLIND JOISTS AND OTHER INTERSTITIAL FLOOR ELEMENTS SHALL BE INSULATED

DESIGN PARAMETERS			
SNOW LOAD	30 PSF	FROST DEPTH	18"
ROOF DEAD LOAD	25 PSF	TERMITTE	MODERATE
DECK LIVE LOAD	60 PSF	DECAY	SLIGHT
DECK DEAD LOAD	10 PSF	WINTER TEMP	15°
FLOOR LIVE LOAD	40 PSF	FLOOD HAZARD	COP TITLE XIII
FLOOR DEAD LOAD	15 PSF	AIR FREEZE INDEX	194
WEATHERING	NEGLEGIBLE	MEAN ANNUAL TEMP	53°
SEISMIC CAT	B/C	RISK CAT I	95
EXPOSURE	C	RISK CAT II	105
WIND SPEED	115 MPH	RISK CAT III & IV	115
TOPO EFFECT	NONE	RISK CAT III & IV	115

DOOR & WINDOW NOTES	
1. WINDOWS MUST MEET OR EXCEED THE FOLLOWING PER ZONE 4 IECC 2012	
# U-FACTOR (.35)	
# SOLAR HEAT GAIN COEFFICIENT. (NR)	
# PENESTRATION AIR LEAKAGE	
# WINDOWS, SKYLIGHT & SLIDING GLASS DOORS (0.3 CFM PER SQ. FT.)	
# SWINGING DOORS (0.5 CFM PER SQ. FT.)	
# MANUFACTURE WINDOWS, SKYLIGHT, SLIDING GLASS DOORS & SWINGING DOORS SHALL BE TESTED AND LABELED BY MANUFACTURE	

AIR LEAKAGE NOTES	
THE CODE ALLOWS THE USE OF AIRFLOW RETARDERS (HOUSE WRAPS) OR OTHER SOLID MATERIALS AS ACCEPTABLE METHODS TO MEET THIS REQUIREMENT. TO EFFECTIVE, THE BUILDING THERMAL ENVELOPE SEAL MUST BE: "TYVEK" OR EQUAL"	
# WDO, SLIDING DOORS & SKYLIGHTS SHALL HAVE NO MORE THAN .3 CFM PER 50 FT SWINGING DOORS .5 CFM	
# INFILTRATION RATE NOT TO EXCEED .3 CFM/50 FT	
# IMPERMEABLE TO AIR FLOW.	
# CONTINUOUS OVER ENTIRE BUILDING ENVELOPE.	
# TYVEK SHALL BE APPLIED TO GARAGE SIDE OF SHARED WALL AND BATHROOMS	
# ABLE TO WITHSTAND THE FORCES THAT MAY ACT ON IT DURING AND AFTER CONSTRUCTION.	
# DURABLE OVER THE EXPECTED LIFETIME OF THE BUILDING.	
# ALL SEAMS AND EDGES MUST BE SEALED / TAPED PER MANUFACTURES SPECIFICATIONS.	

THERMAL ENVELOPE NOTES	
THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED, GASKET, WEATHER-STRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL, SUITABLE FILM OR SOLID MATERIAL:	
# ALL JOINTS, SEAMS AND PENETRATIONS.	
# SITE-BUILT WINDOW, DOORS AND SKYLIGHTS.	
# OPENINGS BETWEEN WINDOW AND DOOR ASSEMBLIES AND THEIR RESPECTIVE JAMBS AND FRAMING	
# UTILITY PENETRATIONS	
# DROPPED CEILINGS OR CHASES ADJACENT TO THERMAL ENVELOPE.	
# KNEE WALLS	
# WALLS AND CEILINGS SEPARATING A GARAGE FROM CONDITIONED SPACES.	
# BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS.	
# COMMON WALLS BETWEEN DWELLING UNITS.	
# OTHER SOURCES OF INFILTRATION.	

PROJECT INFO	
OWNER:	DINH TRAN 225 S. RUSH STREET PRESCOTT, AZ 86303 623-256-2450 TRANDINHANDAC@GMAIL.COM
ARCHITECT:	DISTINCTIVE HOMES P.O. BOX 3988 PRESCOTT, YAVAPAI, ARIZONA 86302 (908) 771-9948 INFO@DISTINCTIVEHOMESAZ.COM
CONTRACTOR:	CARLSON BUI CARLSON CONSTRUCTION 2925 W ORANGE WOOD AVE PHOENIX, AZ 85051 602-559-5157
TYPE OF PROJECT	SINGLE FAMILY RESIDENCE
OCCUPANCY	1-3
TYPE OF CONSTRUCTION	V-B
LOT SIZE	.62 ACRES
PARKING	
ZONED	TF-11
SETBACKS	FRONT _____, SIDE _____, REAR _____
LOT COVERAGE	
HEIGHT	
CODES	2018 IRC, IBC, IPC, IMC, 2017 NEC, 2012 IECC
SUBDIVISION & LOT#	LOTS 6-R & BR OF THE REPLAT OF LOTS 6, 7, 8 & 9 OF BLOCK 32 OF THE JOSLIN-WHEPLE SUBDIVISION-02-102A & 110-02-102B
PARCEL#	110-02-102A & 110-02-102B
JOB ADDRESS	225 SOUTH RUSH STREET PRESCOTT, AZ 86303
AVAILABLE	TOTAL 13672 SF, MAIN SF, LOWER 6786 SF, UPPER 6786 SF
COVERED PARKING	TOTAL 4686 SF, MAIN SF, LOWER 4686 SF, UPPER 4686 SF
COVERED STAIRS	TOTAL 508 SF, MAIN SF, LOWER 264 SF, UPPER 264 SF
ELEVATOR & EQUIPMENT	TOTAL 70 SF, MAIN SF, LOWER SF, UPPER SF
TENANT STORAGE/MECH	TOTAL 1555 SF, MAIN SF, LOWER 452 SF, UPPER 452 SF
UNCOVERED DECK	TOTAL 1364 SF, MAIN SF, LOWER SF, UPPER SF
UNCOVERED PATIO	TOTAL SF, MAIN SF, LOWER SF, UPPER SF

SHEET SCHEDULE			
C	COVER SHEET		
R.1	RENDERINGS		
R.2	RENDERINGS		
1.1	SITE PLAN		
1.3	LANDSCAPE PLAN		
2.0P	PRESENTATIONS PLAN		
9.1	ELEVATIONS		

REVISIONS		BY
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COVER SHEET

EX 9-30-2022

REGISTERED ARCHITECT
THOMAS C. CHARLES
TERRY
9.17.22
ARIZONA, U.S.A.

The Rush Apartment 1

DISTINCTIVE HOMES & ARCHITECTURE © 2022

DATE _____

SHEET



ALL RENDERINGS ARE ARTISTIC INTERPRETATIONS OF THE DESIGN AND MAY NOT BE AN EXACT RENDITION.



ALL RENDERINGS ARE ARTISTIC INTERPRETATIONS OF THE DESIGN AND MAY NOT BE AN EXACT RENDITION.



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Distinctive Homes
P.O. BOX 3908
PRESCOTT, AZ 86302
(928) 771-0948

REAR RENDERING

The Rush Apartment 1
DISTINCTIVE HOMES & ARCHITECTURE © 2022

DATE
SHEET
R.1



ALL RENDERINGS ARE ARTISTIC INTERPRETATIONS OF THE DESIGN AND MAY NOT BE AN EXACT RENDITION.



ALL RENDERINGS ARE ARTISTIC INTERPRETATIONS OF THE DESIGN AND MAY NOT BE AN EXACT RENDITION.



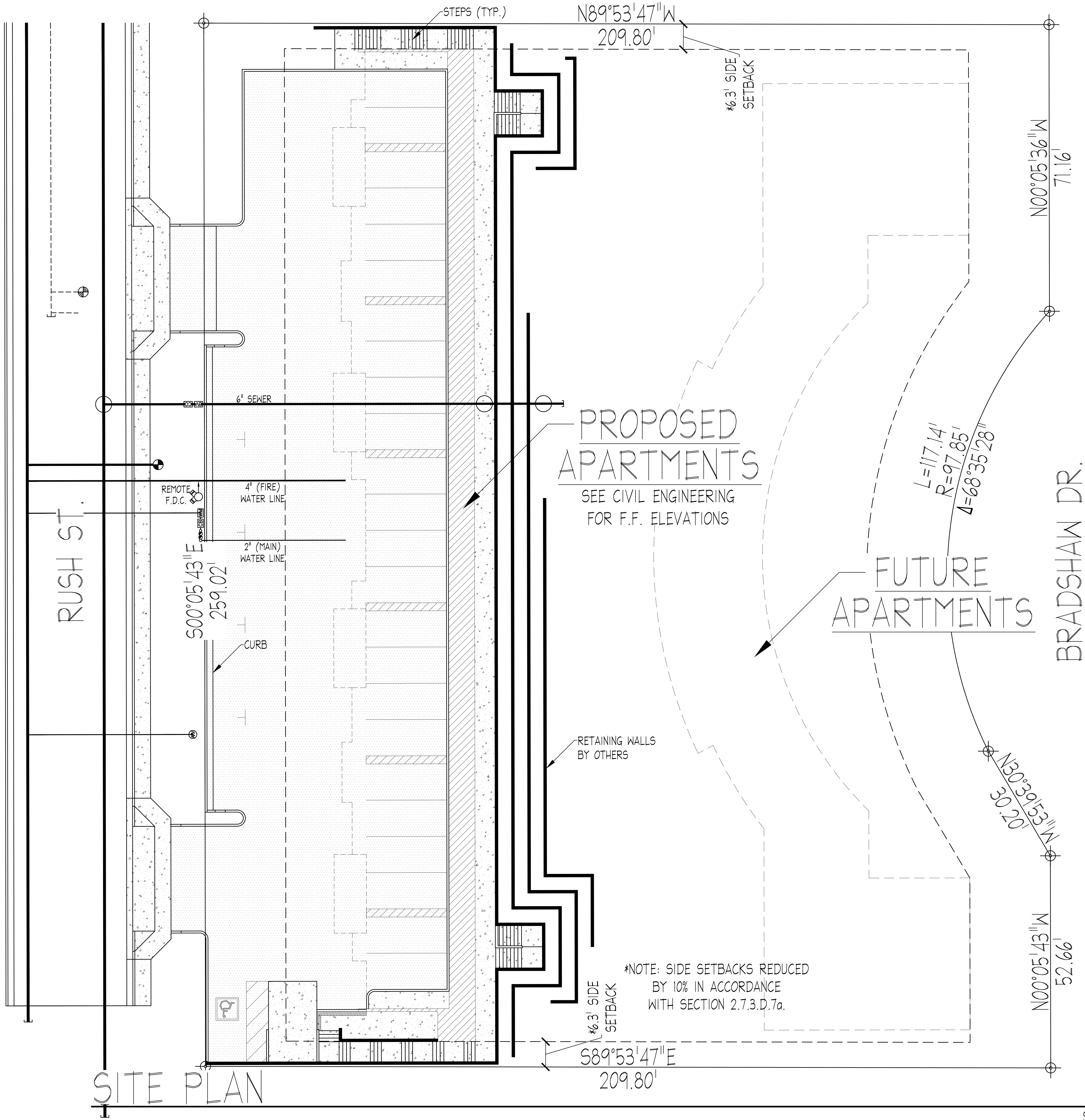
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REAR RENDERING

The Rush Apartment 1
DISTINCTIVE HOMES & ARCHITECTURE © 2022

DATE
SHEET
R.2



LEGEND		REVISIONS	BY
---	PROPERTY BOUNDARY	△	-
---	SETBACK/EASEMENT	△	-
---	EXISTING MAJOR TOPO LINE	△	-
---	EXISTING MINOR TOPO LINE	△	-
---	SWALE	△	-
---	UTILITIES	△	-
---	PAVERS	△	-
---	CONCRETE	△	-
SITE NOTES			
1. REFER TO CIVIL ENGINEERING BY TRIPLE CROWN ENGINEERING FOR ALL SITE GRADING, DRAINAGE & UTILITY INFORMATION.			
2. PROVIDE VISIBLE & LEGIBLE ADDRESS # ON BUILDING.			
3. CONTRACTOR TO VERIFY ALL MEASUREMENTS PRIOR TO CONSTRUCTION.			
4. FINAL INSPECTION REQUIRED PRIOR TO OCCUPANCY.			
5. CONTRACTOR MUST VERIFY ALL UTILITY LOCATIONS.			
6. LANDSCAPE TO REMAIN NATURAL; REPLANT ALL DISTURBED AREAS W/ FESCUE GRASS & WILD NATURAL BLEND.			
7. ALL EXPOSED CUT & FILL AREAS SHALL HAVE ROCK SELECTED BY OWNER WITH FILTER FABRIC.			
8. CONTRACTOR SHALL REMOVE FROM SITE ALL CUT TREES, BRUSH & OTHER MATERIALS BY COMPLETION OF PROJECT.			
9. CONTACT BLUESTAKE 2 DAYS BEFORE DIGGING.			
10. PROVIDE MAIN WATER SHUTOFF OUTSIDE BUILDING.			
11. PROVIDE # MIL VISQUEEN WITHIN 20' OF HOUSE UNDER LANDSCAPING.			

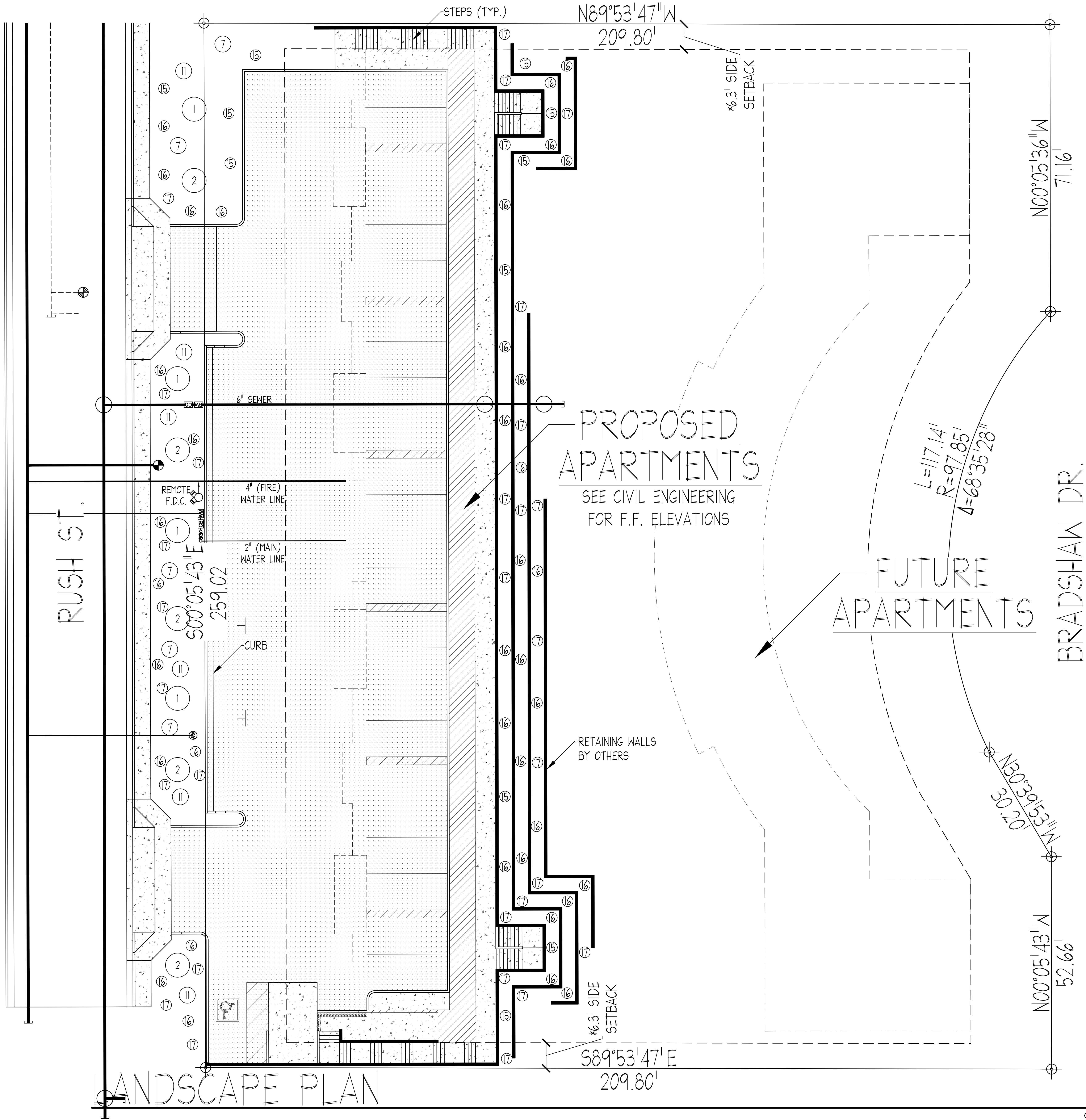
BUILDING VALUATION	
SUBDIVISION & LOT#	LOTS 6-R & 8R OF THE REPLAT OF LOTS 6, 7, 8 & 9 OF BLOCK 32 OF THE LOGGINS-APPLE SUBDIVISION
PARCEL#	10-02-102A & 10-02-102B
JOB ADDRESS	225 SOUTH RUSH STREET PRESCOTT, AZ 86303
AVAILABLE	TOTAL 19572 SF MAIN SF LOWER 6786 SF UPPER 6786 SF
COVERED PARKING	TOTAL 4686 SF MAIN 4686 SF LOWER SF UPPER SF
COVERED STAIRS	TOTAL 528 SF MAIN SF LOWER 264 SF UPPER 264 SF
ELEVATOR & EQUIPMENT	TOTAL 70 SF MAIN SF LOWER SF UPPER SF
TENANT STORAGE/MECH	TOTAL 1555 SF MAIN 1555 SF LOWER SF UPPER SF
UNCOVERED DECK	TOTAL 1304 SF MAIN SF LOWER 652 SF UPPER 652 SF
UNCOVERED PATIO	TOTAL SF MAIN SF LOWER SF UPPER SF
TYPE OF PROJECT	SINGLE FAMILY RESIDENCE
OCCUPANCY	R-3
TYPE OF CONSTRUCTION	V-B
LOT SIZE	1.24 ACRES
PARKING	SEE PARKING SCHEDULE
ZONED	MF-H
SETBACKS	FRONT 20FT., SIDE 6.3FT., REAR 20FT.
LOT COVERAGE	16.7%
HEIGHT	FRONT 38'-2", REAR 24'-11", 32'-6" AVG.
CODES	2018 IRC, IBC, IFC, IMC, 2017 NEC, 2012 IECC
GROUND SNOW LOAD = 30#; WIND DESIGN = 115MPH EXPOSURE C, NO TOPO EFFECT; SEISMIC DESIGN = C; WEATHERING = NEGIGIBLE; FROST DEPTH = 10"; TERRITORY = MODERATE; WATER DESIGN TEMP = 20 DEGREE F; ICE BARRIER = NO FLOOD = COP TITLE XIII; AIR FREEZING INDEX = 194; MEAN ANNUAL TEMP = 53; MANUAL J TABLE 1 OR 2 OR ASHREA DESIGN.	

PARKING SCHEDULE		
PARKING SPACES REQUIRED		
NUMBER OF APARTMENTS	NUMBER OF BEDROOMS	TOTAL
12x5=6	24x1=24	30 SPACES REQ'D
PARKING SPACES PROVIDED		
STANDARD PARKING	HANDICAP PARKING	PARALLEL PARKING
24	1	5
WATER USE ANALYSIS		
NUMBER OF APARTMENTS	INSTALLED LANDSCAPE	TOTAL
12x12=1.44 ACRE FT	14x1.5=21 ACRE FT	1.65 ACRE FT

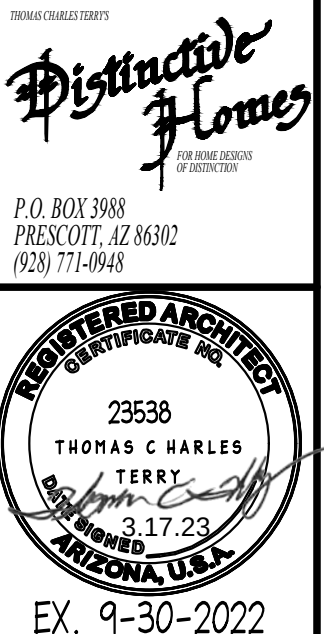
The Rush Apartment 1

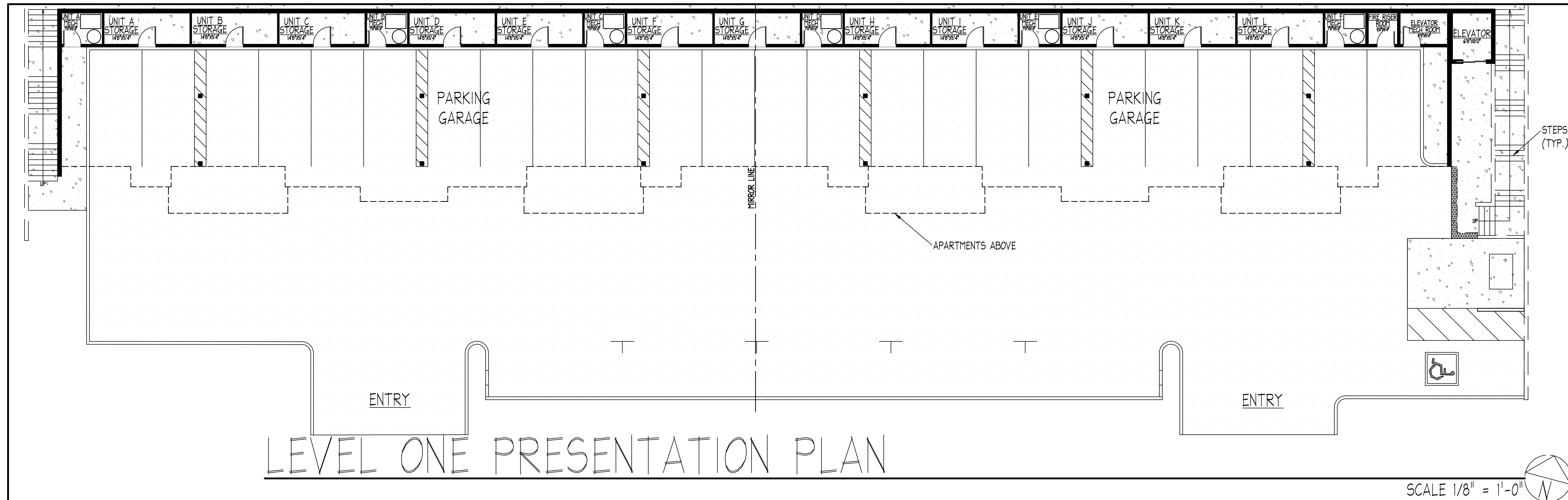
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SCALE 1" = 10'-0"



LANDSCAPE NOTES		REVISIONS	BY
1. REPLANT ALL DISTURBED AREAS w/ RESCUE # WILD NATURAL BLEND GRASSES UNLESS OTHERWISE NOTED.		△	-
2. PROVIDED DRIP OR SPRAY IRRIGATION SYSTEM TO WATER ADEQUATELY ALL NEW PLANTS SHOWN.		△	
3. ALL CUT & FILL SLOPES SHALL HAVE 4'-8" FRACTURED GRANITE w/ FILTER FABRIC.		△	
4. 3/4"-1" COLORED ROCK w/ FILTER FABRIC		△	
5. FINAL PLANS MAY VARY TO COMPLEMENT HOUSE AFTER CONSTRUCTION.		△	
LANDSCAPE LEGEND			
1 15 GAL AZ CYPRESS	7 5 GAL JUNIPER	15 1 GAL DESERT FREMOSEE	COVER
2 15 GAL BLACK HILLS SPRUCE	8 5 GAL YUCCA	16 1 GAL CACTUS SPINELESS	
3 15 GAL DESERT WILLOW	9 5 GAL AUTUMN SAGE	17 1 GAL AUTUMN SAGE	
4 15 GAL AZ WHITE OAK	10 5 GAL MANZANITA	18	
5 15 GAL PONDEROSA PINE	11 5 GAL SUMMER LILAC	19	
6 15 GAL AZ ASH	12 5 GAL MTN. MAHOGANY		
	13 5 GAL DEER BRUSH		
	14 5 GAL PURPLE SMOKE TREE		

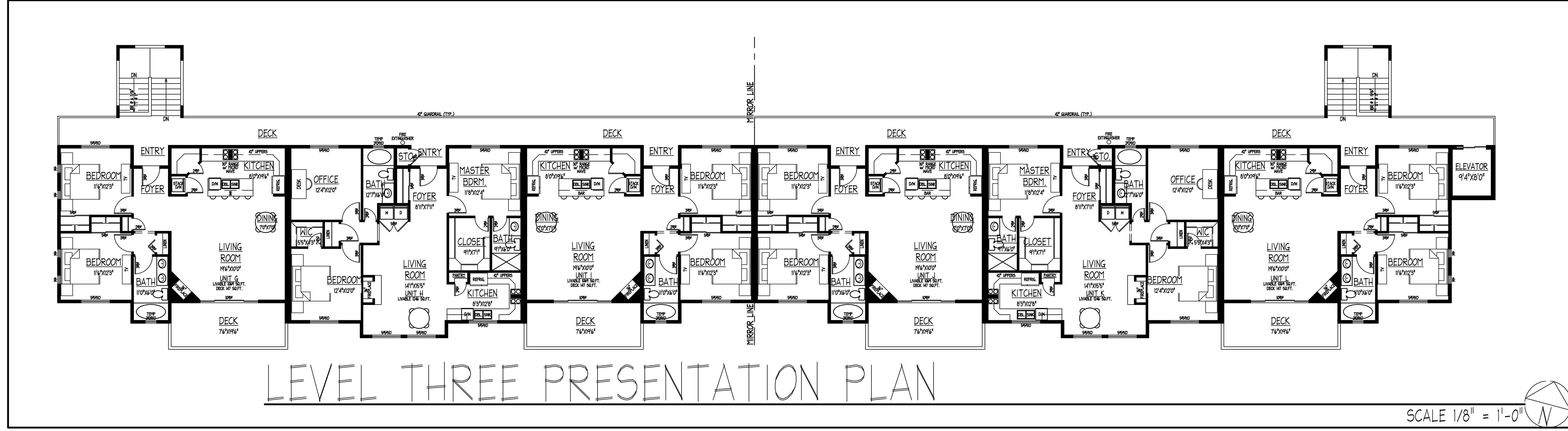
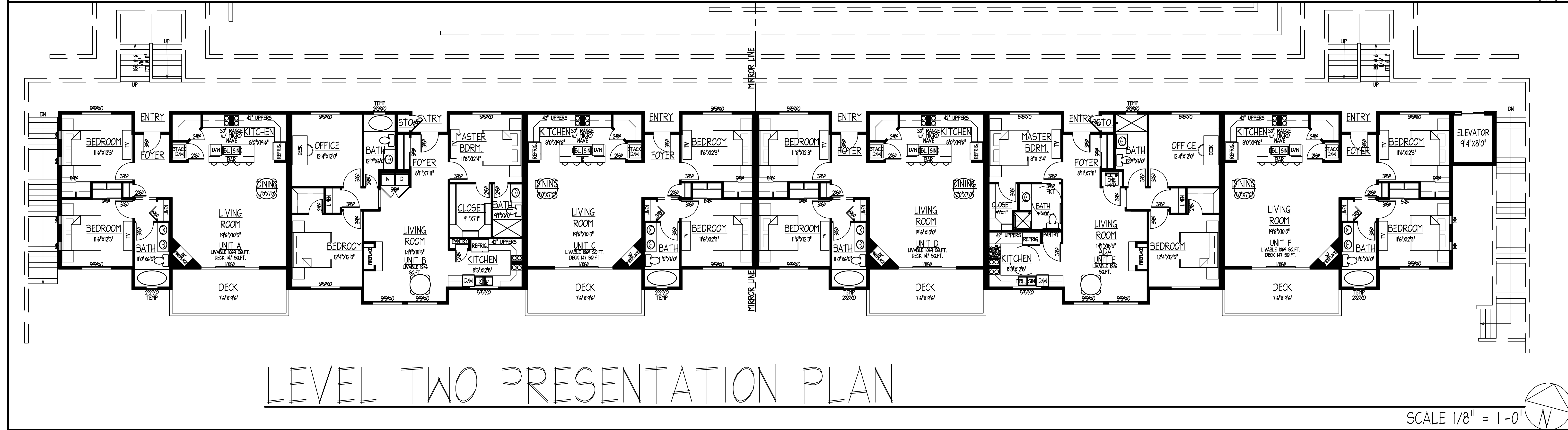




FLOOR COVERING LEGEND		REVISIONS	BY
CARPET		1	
TILE		2	
HARDWOOD		3	
LUXURY VINYL		4	
CONCRETE OR STAINED CONCRETE		5	
TREX		6	
PAVERS		7	
EPOXY		8	
ASPHALT		9	

23530
THOMAS C. HARLES
TERRELL
REGISTERED ARCHITECT
AZ 00000000
EX 9-30-2022

PRESENTATION PLAN



SUBDIVISION # LOT#		LOTS 6-R & 8R OF THE REPLAT OF LOTS 6, 7, 8 & 9 OF BLOCK 32 OF THE GOSLIN-WHIPPLE SUBDIV.	
PARCEL#		110-02-102A & 110-02-102B	
JOB ADDRESS		225 SOUTH RUSH STREET PRESCOTT, AZ 86303	
AVAILABLE	TOTAL 13572 SF	MAIN	6786 SF
COVERED PARKING	TOTAL 4686 SF	LOWER	264 SF
COVERED STAIRS	TOTAL 320 SF	MAIN	264 SF
ELEVATOR & EQUIPMENT	TOTAL 20 SF	LOWER	264 SF
TENANT STORAGE/MECH	TOTAL 1555 SF	MAIN	264 SF
UNCOVERED DECK	TOTAL 1354 SF	LOWER	264 SF
UNCOVERED PATIO	TOTAL 1354 SF	MAIN	264 SF

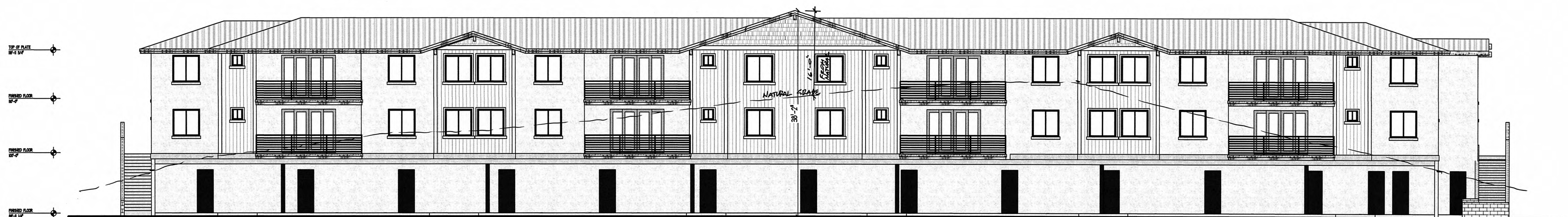
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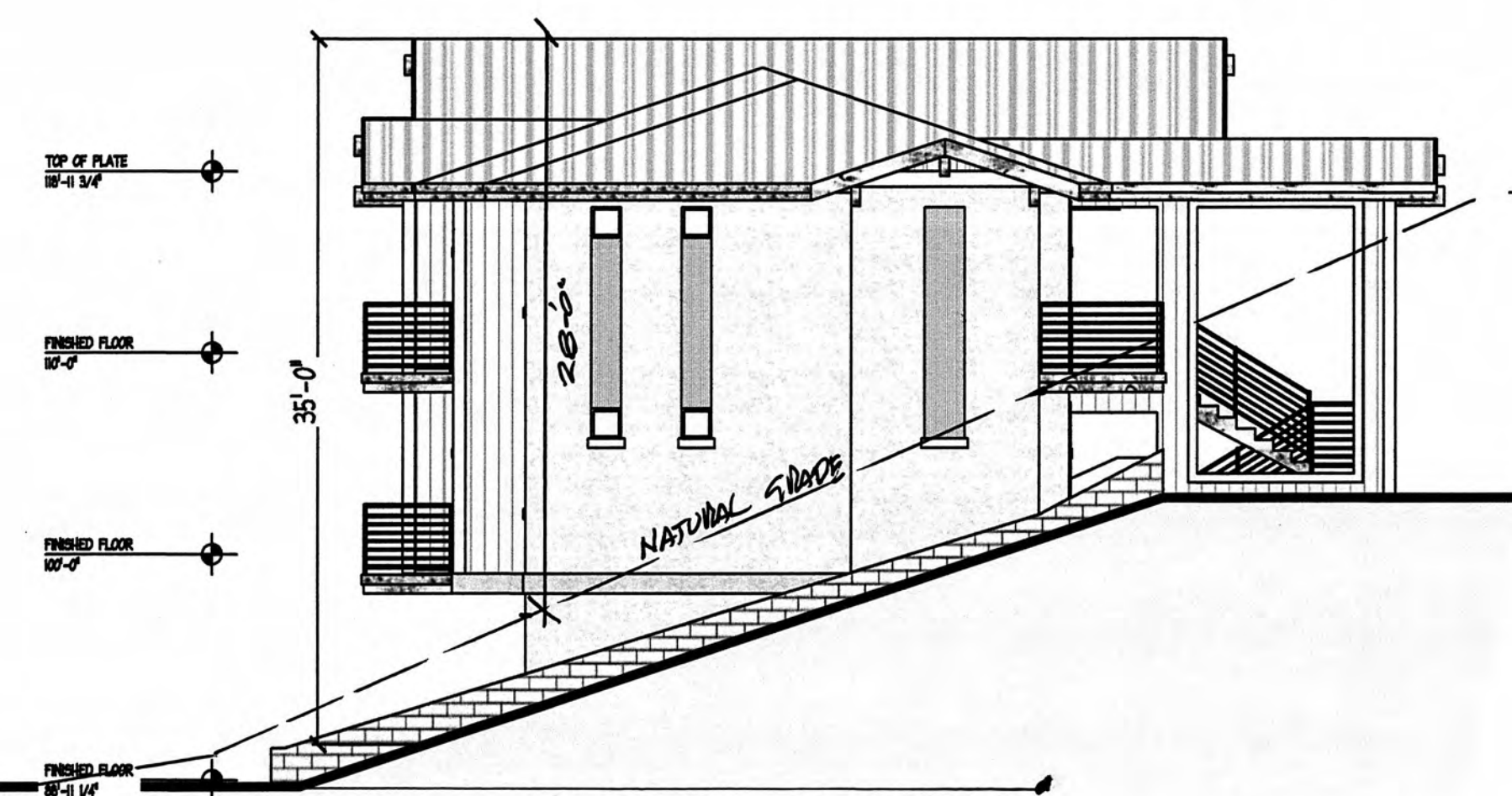
FRONT ELEVATION

SCALE 1/8" = 1'-0"



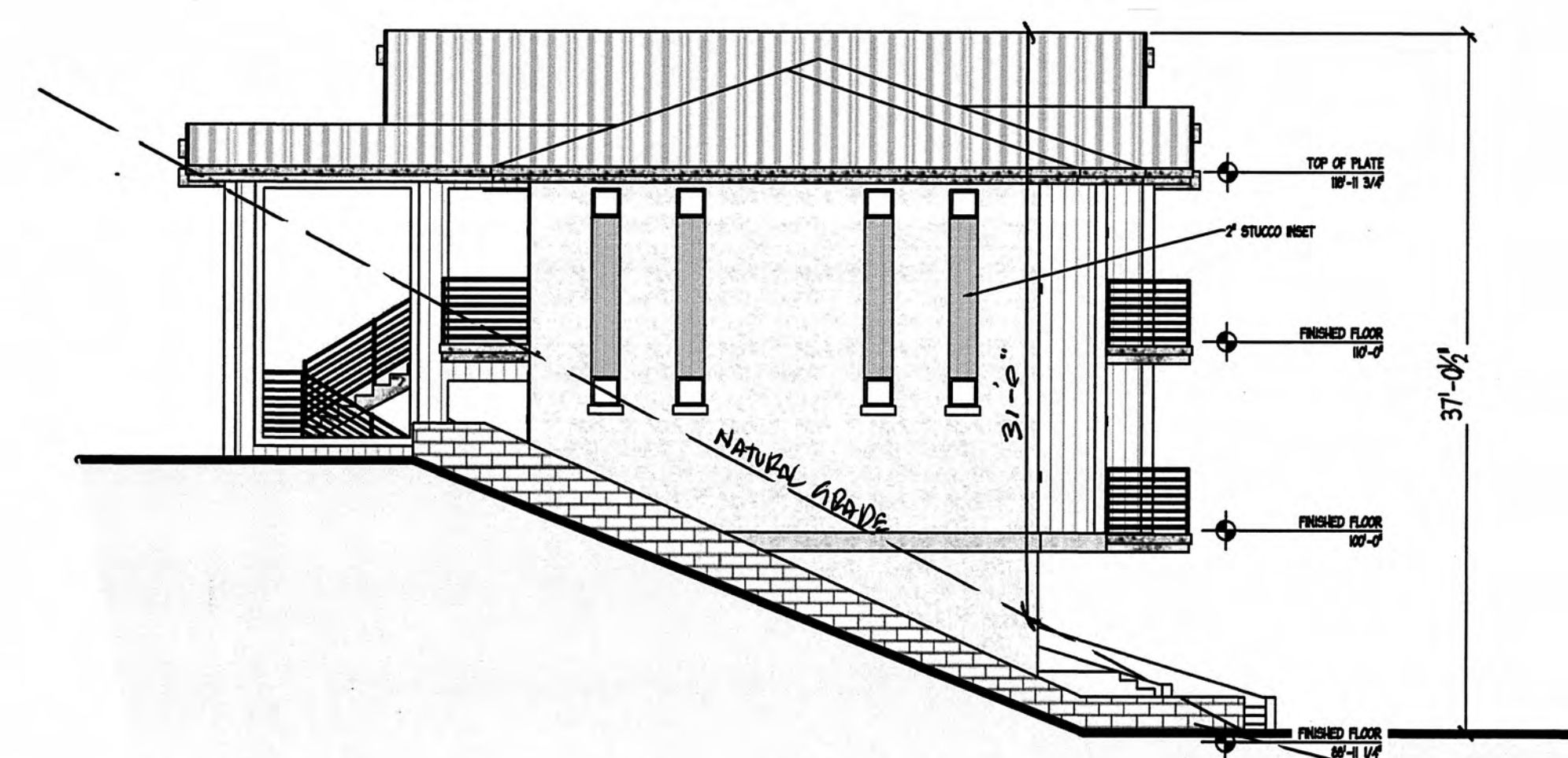
REAR ELEVATION

SCALE 1/8" = 1'-0"



SIDE ELEVATION

SCALE 1/4" = 1'-0"

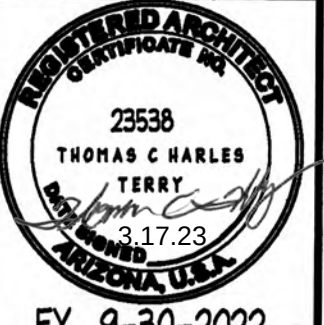


SIDE ELEVATION

SCALE 1/8" = 1'-0"

REVISIONS	BY
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EX. 9-30-2022

FRONT, REAR
& SIDE ELEVATIONS

The Rush Apartment 1
DISTINCTIVE HOMES & ARCHITECTURE © 2022

DATE
SHEET
9.1



TO: MAYOR AND CITY COUNCIL
AGENDA: August 1 Water Issues Subcommittee Meeting
DATE: August 1, 2023
DEPT: Public Works
ITEM #: 4.D
SUBJECT: Presentation & Discussion Regarding the City's FY23 Water Conservation Rebate Program (July 1, 2022 through June 30, 2023).

ITEM SUMMARY

Staff will provide a review of the Rebate Incentive Program in FY23.

BACKGROUND

Under Prescott City Code, Chapter 3-10-8, the City manages the on-going Incentive Program, encouraging residents and businesses to conserve water. This is accomplished by offering incentives such as turf removal, rain barrels, rain gardens, and irrigation controllers, and by retrofitting plumbing fixtures and selecting new washing machines from the Consortium for Energy Efficiency (CEE) approved list.

Staff will provide highlights of the incentive program for FY23.

As of June 30th, the City has rebated \$50,582.50 to its customers with a substantial increase in rebates within the last 6 months of the fiscal year. This is partly due to the November increase in some rebate amounts, but also to the advertising of the new website: <https://prescottwater.com>.

FINANCIAL IMPACT

Continuation of the program is subject to annual budget approval in July of each year.

RECOMMENDED ACTION

This item is for discussion only. No formal action will be taken.

ATTACHMENTS

None



TO: MAYOR AND CITY COUNCIL
AGENDA: August 1 Water Issues Subcommittee Meeting
DATE: August 1, 2023
DEPT: Public Works
ITEM #: 4.E
SUBJECT: Discussion Regarding the Monthly PFAS Update.

ITEM SUMMARY

Samples collected on April 11 indicate that current blending techniques are continuing to produce non-detection levels of PFAS being produced at the Chino Wellfield. The blending methodology for the Chino Wellfield has also been completed and is being used to guide our blending decisions. The Airport Wellfield is continuing to produce non-detect PFAS levels as well. Airport Well 5 is currently out-of-service. Demands continue to increase even with the recent rains. The next sampling event is scheduled for July.

3rd quarter sampling has taken place and we are awaiting results. The table below shows results from the 2nd quarter sampling event.

BACKGROUND

EPDSs	PFOS 04/11/23	PFOA 04/11/23	AVG PFOS	AVG PFOA
Chino 1	<1.67	3.85	ND	3.4
Chino 2	<1.70	3.04	ND	3.2
Chino 3	OOS	OOS	ND	3.6
Chino 4	<1.67	<1.67	ND	ND
Chino 5	<1.67	3.68	ND	3.2
Airport 2	<1.72	<1.72	ND	ND
Airport 3	<1.68	2.98	ND	2.5
Airport 5	8.07	10.5	9.0	12.3
EPDS 11 (Chino Wells)	<1.68	<1.68	ND	ND

FINANCIAL IMPACT

There is no fiscal impact at this time.

RECOMMENDED ACTION

This item is for discussion only. No formal action will be taken.

ATTACHMENTS

None