

SITE DEVELOPMENT PLAN FOR SUBDIVISION:

REQUIRED INFORMATION

THE SITE: THE SITE CONSISTS OF 1 EXISTING LOT (TRACT 8, AVALON SUBDIVISION UNIT 5). THE SITE CONTAINS APPROXIMATELY 9.98 ACRES.

PROPOSED USE: THE ZONING FOR TRACT 8 SHALL BE SU-1 FOR R-2 USES.

PEDESTRIAN AND VEHICULAR INGRESS AND EGRESS: PEDESTRIAN AND VEHICULAR INGRESS AND EGRESS SHALL BE DETERMINED IN CONJUNCTION WITH THE SITE PLAN FOR BUILDING PERMIT. BLUEWATER ROAD HAS EXISTING BIKE LANES WHICH PROVIDE ACCESS TO THE SUBJECT PROPERTY.

INTERNAL CIRCULATION REQUIREMENTS: INTERNAL CIRCULATION SHALL BE DEVELOPED IN ACCORDANCE WITH THE EXISTING PLATTED RIGHTS-OF-WAY AND AS DEFINED BY THE SITE PLAN FOR BUILDING PERMIT. PRIMARY ACCESS SHALL BE ONTO 90TH STREET, WITH EMERGENCY EGRESS ONLY ONTO BLUEWATER ROAD. LOS VOLCANES ROAD, WEST OF 90TH STREET, HAS BEEN VACATED.

BUILDING HEIGHTS AND SETBACKS: PURSUANT TO THE R-2 ZONING REGULATIONS.

MAXIMUM F.A.R.: MAXIMUM FLOOR AREA RATIO SHALL BE .5.

LANDSCAPE PLAN: A CONCEPTUAL LANDSCAPE PLAN SHALL BE DEVELOPED IN ACCORDANCE WITH THE SITE PLAN FOR BUILDING PERMIT AND CONSISTENT WITH THESE LANDSCAPING AND SCREENING REQUIREMENTS (SHEET 2).

PROJECT NUMBER: 100 3478 APPLICATION NUMBER: 14EPC-40067

THIS PLAN IS CONSISTENT WITH THE SPECIFIC SITE DEVELOPMENT PLAN APPROVED BY THE ENVIRONMENTAL PLANNING COMMISSION (EPC), DATED __DECEMBER 11, 2014 _ AND THE FINDINGS AND CONDITIONS IN THE OFFICIAL NOTIFICATION OF DECISION ARE SATISFIED.

IS AN INFRASTRUCTURE LIST REQUIRED? () YES () NO IF YES, THEN A SET OF APPROVED DRC PLANS WITH A WORK ORDER IS REQUIRED FOR ANY CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY OR FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS.

DRB SITE DEVELOPMENT PLAN SIGNOFF APPROVAL

Traffic Engineering, Transportation Division	Date
ABCWUA	Date
	Baic
Parks and Recreation Department	Date
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City Engineer	Date
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Solid Waste Management	<u> </u>
osna Waste Management	Date
DRB Chairperson, Planning Department	Data
brib originating bepartment	Date

The Village **Avalon**

SITE PLAN FOR SUBDIVISION

Prepared for: Curb, Inc.

Prepared by: Consensus Planning, Inc. Dekker Perich Sabatini 302 8th Street NW 7601 Jefferson Street NE Albuquerque, NM 87102 Albuquerque, NM 87109

CONSENSUS



SHEET 1 OF 2

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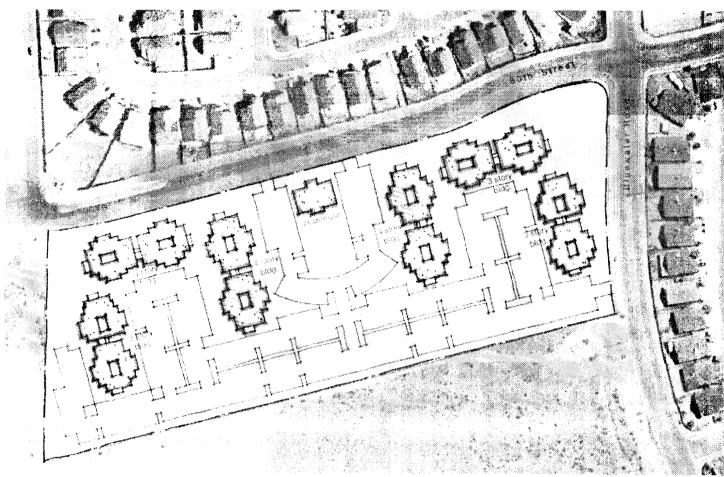
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June 2015

DESIGN STANDARDS

The purpose of these design standards is to establish a development framework for multi-family development known as The Village at Avalon. These design standards will ensure the creation of an attractive and innovative development that fosters a sense of community for residents and the surrounding neighborhood and allows for an appropriate transitional use between existing single family homes and the adjacent industrial zoned parcels. The new community respects the unique locale of the site and specifically the surrounding single family neighborhoods. It also allows for the privacy and well-being of the residents and other users. These standards are complementary to the existing neighborhoods and future non-residential development.

The overall theme of the project is a family oriented, pedestrian friendly and environmentally sustainable community. The development consists of rental apartments for families with associated active and passive outdoor spaces for the residents. Service-oriented spaces in the clubhouse will likely include fitness rooms, management leasing office, and other spaces for social functions. Green and sustainable building practices shall be incorporated: passive interception of surface water in parking lot landscape surfaces, xeric planting, directing roof water from downspouts to landscape areas to manage the first flush when feasible, Energy Star appliances, and some materials with recycled content Semi-private spaces for the residents are shown in the inner areas of the site and residents have private patios, courtyards, balconies, decks or roof decks.



Illustrative Site Design

The Environmental Planning Commission retains authority for the review and approval of the future Site Development Plan for Building Permit. The Site Plan for Building Permit shall be reviewed and found to be consistent with this Site Development Plan for Subdivision, the Comprehensive Zoning Code, and the Development Process Manual. Any required public infrastructure shall be identified and required as part of the DRB's review of the site plan.

1. Off-Street Parking

Off-Street parking shall be in general compliance with other similar developments under the R-2 zoning. Considerations to reduce required parking by a maximum of 10% shall be allowed if such reductions result in greater landscape buffers on 90th street. Parking will be located primarily on the west side of the parcel to provide a significant buffer to the future industrial development. Alternative transportation sources are encouraged. Secure bicycle storage racks shall be conveniently located near building entrances. The minimum number of bicycle racks shall be determined by the number of parking spaces provided. Bicycle racks shall be constructed of metal and finished in colors harmonious with those of the buildings on site.

2. Landscape

The landscape design will strive to engage the users by providing a welcoming environment for the residents and public. Through the use of xeric plants outdoor spaces will have seasonal color, texture and scale and will compliment the architecture. Trees will be used to provide shade in pedestrian areas, highlight intersections and establish hierarchy of vehicular drives. Accent plants will be used to emphasize entries and provide sculptural interest. The remainder of the plant palette will be a mixture of shrubs, ornamental grasses and groundcovers. The landscape design will comply with the intent of the city of Albuquerque Water Conservation, Landscaping and Water Waste ordinance and 14-16-3-10 of the City of Albuquerque General Regulations. An emphasis shall be placed on the landscaping adjacent to 90th Street NW and Bluewater Road NW. All trees and shrubs on 90th Street and Bluewater Road NW will be designed to meet the Street Tree Ordinance §6-6-2-1.

3. Site Lighting

In order to enhance the safety, security, and visual aesthetics, careful consideration must be given to both the daytime and nighttime appearance

of the lighting design and fixtures. The primary design objective of the site lighting system shall be to maximize public safety while not affecting adjacent properties, buildings, or roadways with unnecessary glare or reflection. In order to accomplish the lighting goals, the following guidelines shall be required for the design of the lighting system:

- Placement of fixtures and standards shall conform to state and local safety and illumination standards.
- All lights shall be shielded source to prevent spillage onto adjoining properties or light pollution of the existing "dark sky".
- Site lighting will be designed to ensure that it does not shine onto the adjacent residential properties to the east and south.
- The height of street lights and parking area lights shall be kept to the minimum necessary to meet safety requirements.
- Individual site lighting standards shall blend with the architectural character of the buildings and other site fixtures.
- Perimeter parking: 25' high maximum pole with cutoff features.
- Other parking: 16' high maximum pole within 100 feet of the adjacent single family neighborhoods (provided that the lighting fixture does not directly shine on any residential premises).
- Buildings and adjacent pedestrian areas: Building mounted fixtures and bollards for security and pedestrian lighting.
- Site lighting to comply with the Area Lighting Regulations, 14-16-3-9 of the Zoning Code.

4. Placement of Mechanical Units

Care shall be made to hide the view of exposed mechanical units, riders, and other equipment from the ground directly adjacent to the building whenever possible, whether roof or pad mounted units are used. Ground level units shall be screened from public view through free-standing dense evergreen foliage or on "green walls". Roof mounted units shall be screened from public view through the use of parapet walls or roof screens that are architecturally coordinated with the building they serve.

5. Signage

The following standards were developed to regulate the size, location, type and quality of sign elements within the overall development. The goal is to provide consistency in appearance and quality, and compliments the visual character of the development.

- All signs shall comply with section 14-16-3-5 General Sign Regulations of the Zoning Code.
- · Signs identifying the principal use of a building may be free-standing (monument style) or wall-mounted.
- · The design of the interior directional signs shall be coordinated with the design of the site signage.
- No illuminated plastic panel signs are allowed.
- No illuminated signage shall face existing residential areas to the east and

6. Screen walls and fences

Site fencing will be designed to comply with section 14-16-3-19 in the Zoning Code to be harmonious with the development & adjacent properties. "Green walls" - 6' high open metal fencing (excluding chain link fencing) with plant material growing on or adjacent - will be used in all possible locations including the west and north site perimeter. The color will be neutral so as to harmonize with the plant materials. Similar material and colors will be used for building guardrails.

Patio walls shall reflect the same use of stucco finish to complement that of the buildings, or may contrast the building finish by use of metal fencing (rail or solid) to articulate semi- private patios and balconies. Patio walls shall not exceed 5'. Color shall be harmonious with the adjacent building. Refuse container walls will be a composite of CMU wall with stained cement board in a metal frame for operable gates. It will be stained and painted with colors used on the buildings.

7. Sidewalks and Pedestrian Connectivity

Public and private walks provide important connectivity within the project as well as in and out of the site. All sidewalks shall be concrete, with a minimum of 4'-0" width. The use of asphalt is not permitted. Concrete or compacted crusher fines with stabilizer are acceptable materials. All hard surface pedestrian paths shall be designed to be handicapped accessible, except where topography makes this unfeasible. Pedestrian crossings of drive aisles shall be clearly demarcated with contrasting paving treatment. Buildings adjacent to 90th Street and Bluewater Roads shall have connective sidewalks leading from public sidewalks to the primary building entries or building portals. If fencing is proposed, these connective sidewalks shall have access gates through the fencing. Opportunities for future sidewalk connections shall be provided through the subject site to provide future pedestrian connections to the future development to the west, if appropriate.

8. Private Open Space

An important design of this community is the inclusion of open spaces for resident recreation: These open space areas provide opportunities for residents to meet their neighbors and visitors to the site. The project is designed with recreational swimming pool and fitness components for adults and various ages of children.

9. Exterior Wall Materials and Colors

Exterior style will reflect a "Contemporary Southwest" vernacular. Articulation of building massing is required. Long and flat building facades are not allowed without articulations at a maximum of 32 foot intervals. Building entry portals shall have contrasting material or color changes to identify and enrich these points of entry. They further promote pedestrian site access and a place for people to socialize. Stucco wall finish system (or synthetic version) reinforces the vernacular architectural expression as do crisp and contemporary materials and finishes such as metal railings, downspouts and parapet caps consistent with the style.

Exterior wall color shall reflect a consistent overall palette of earth and skybased tones, both pale and saturated with color, as is the palette from nature. Color shall be used in conjunction with the grouping of the building's different masses. The apartment buildings shall be a stucco wall finish system and incorporate metal railings at the balconies and stairs. Complementary shading devices and metal detailing such as shade canopies and louvers, trellises and site railings shall be proposed throughout the complex; be consistently detailed, and complement the overall architecture. Reflective glass shall not be permitted.

10. Roof Materials

Roof materials and colors shall be reminiscent of the Contemporary Southwest style with the dominant design being low pitch roofs (heat reflective and light colored) concealed from view with building parapets.

11. Utilities

Developers shall contact PNM's New Service Delivery Department to coordinate electric service and options for the location of electric service connection. Any existing or proposed public utility distribution easements are to be indicated on subsequent Site Plan for Building Permit utility sheets. PNM's standard for public utility distribution easements is 10 feet in width to ensure adequate, safe clearances. All new electric distribution lines shall be placed underground.

Transformers, utility pads, and telephone boxes shall be appropriately screened with walls and/or vegetation when viewed from the public right-of-way. Screening of transformers, electric boxes and other utility structures shall not impede access to the equipment and shall provide for safe maintenance and repair by utility workers. Transformers, utility pads, and ground-mounted equipment screening shall allow for access to utility facilities. All screening and vegetation surrounding ground mounted transformers and utility pads are to allow 10 feet of clearance in front of the equipment door and 5-6 feet of clearance on the remaining three sides for safe operation, maintenance, and repair purposes. Refer to the PNM Electric Service Guide at www.pnm.com for specifications.

When an above-ground backflow prevention device is required by the City of Albuquerque, the heated enclosure shall be constructed of materials compatible with the architectural materials used as the main elements of the building. If prefabricated fiberglass enclosures are used they shall be appropriately screened from view by walls and/or landscaping.

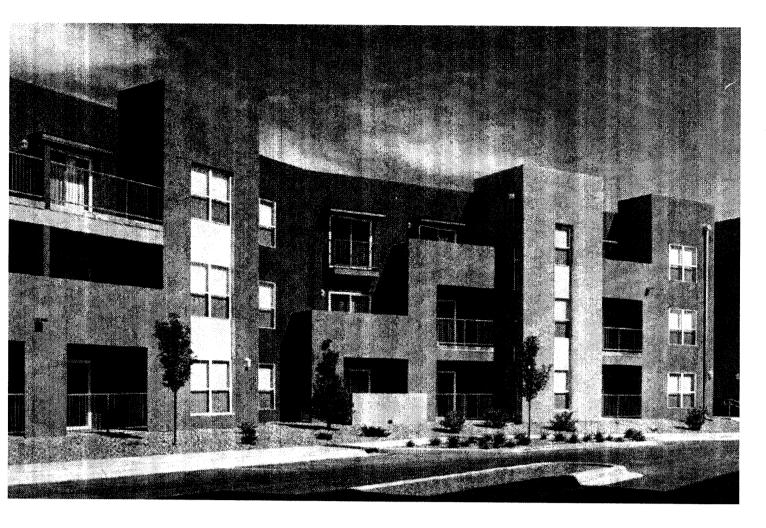
Any wireless communication facilities shall meet FAA regulations, and shall be concealed and architecturally integrated.

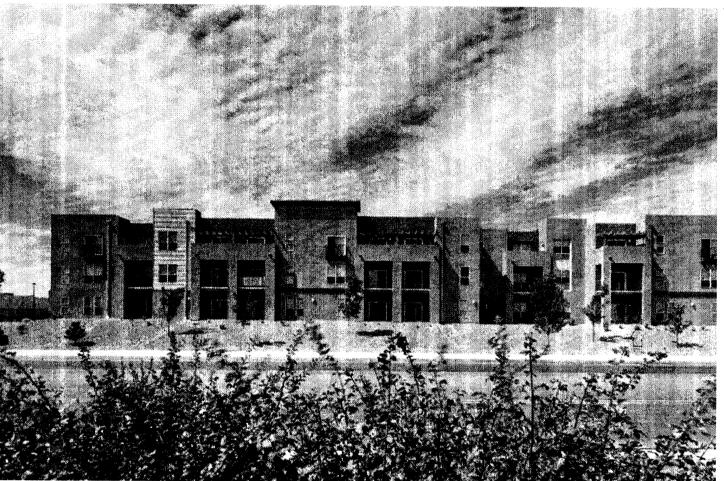
12. Neighborhood Context

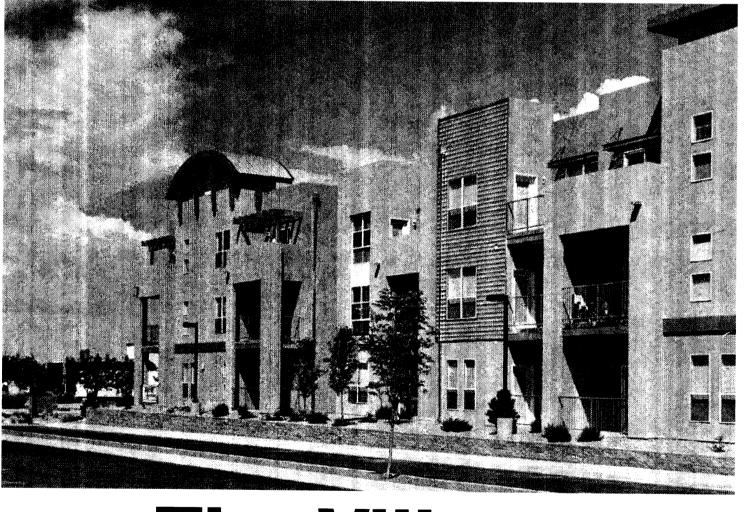
In order to ensure that the future buildings are sensitive to the privacy and existing character of the adjacent single family neighborhood, the proposed multi-family development shall address the following:

- Street trees will be provided along 90th Street and Bluewater Road;
- A minimum of 10 evergreen trees will be included to provide additional screening along 90th Street and Bluewater Road;
- All buildings shall be flat roof;
- The minimum setback along 90th Street and Bluewater Roads shall be increased from 10 feet to 30 feet for any building more than single story;
- The landscape setback along both 90th Street and Bluewater shall include 2 to 3 foot tall berms where appropriate:
- The site plan and building designs shall take into consideration landscape and grading enhancements to maximum the privacy of the adjacent singlefamily homes whose back yards are adjacent to both 90th Street and
- Solid half walls (instead of open railings) shall be provided on all third story balconies facing the houses on 90th Street and Bluewater Road; and
- · Four story buildings, if adjacent to either 90th Street or Bluewater Road, shall be sited so that the living areas do not face the adjacent single-family

13. Character of Development: Elements of Contemporary Southwest Architecture







The Village Avalon

DESIGN GUIDELINES

Prepared for: Curb, Inc.

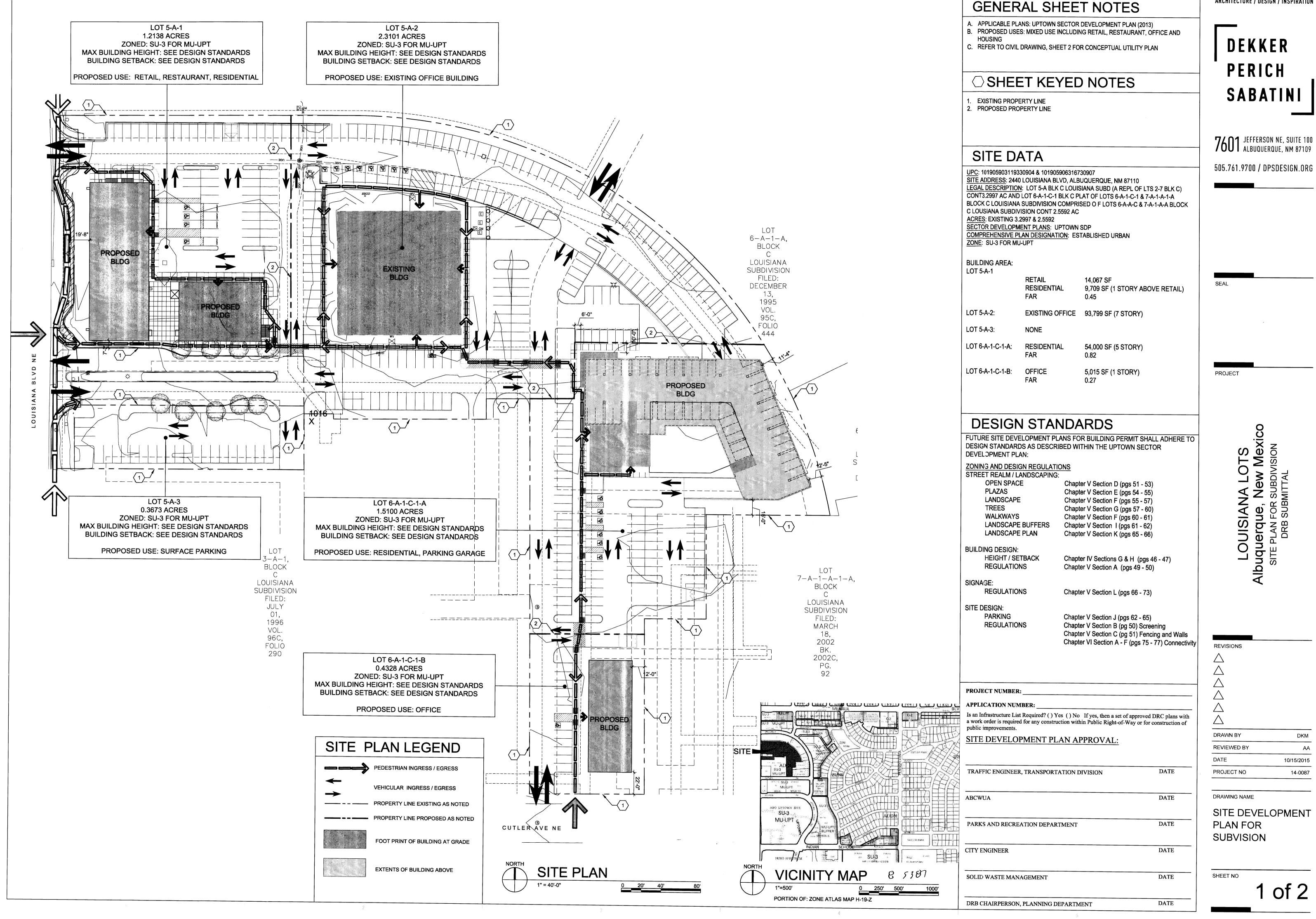
June 2015

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7601 Jefferson Street NE Albuquerque, NM 87109



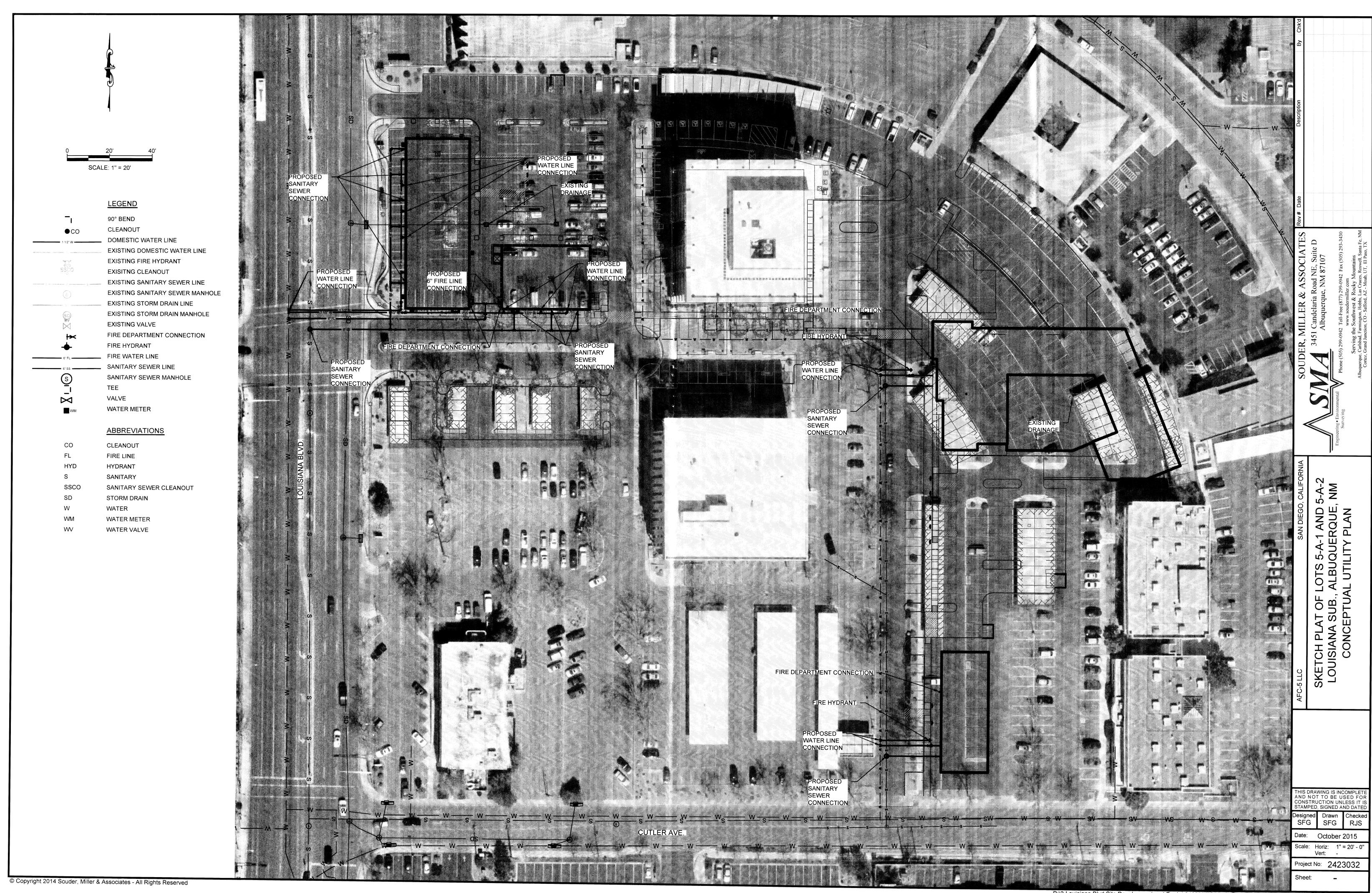
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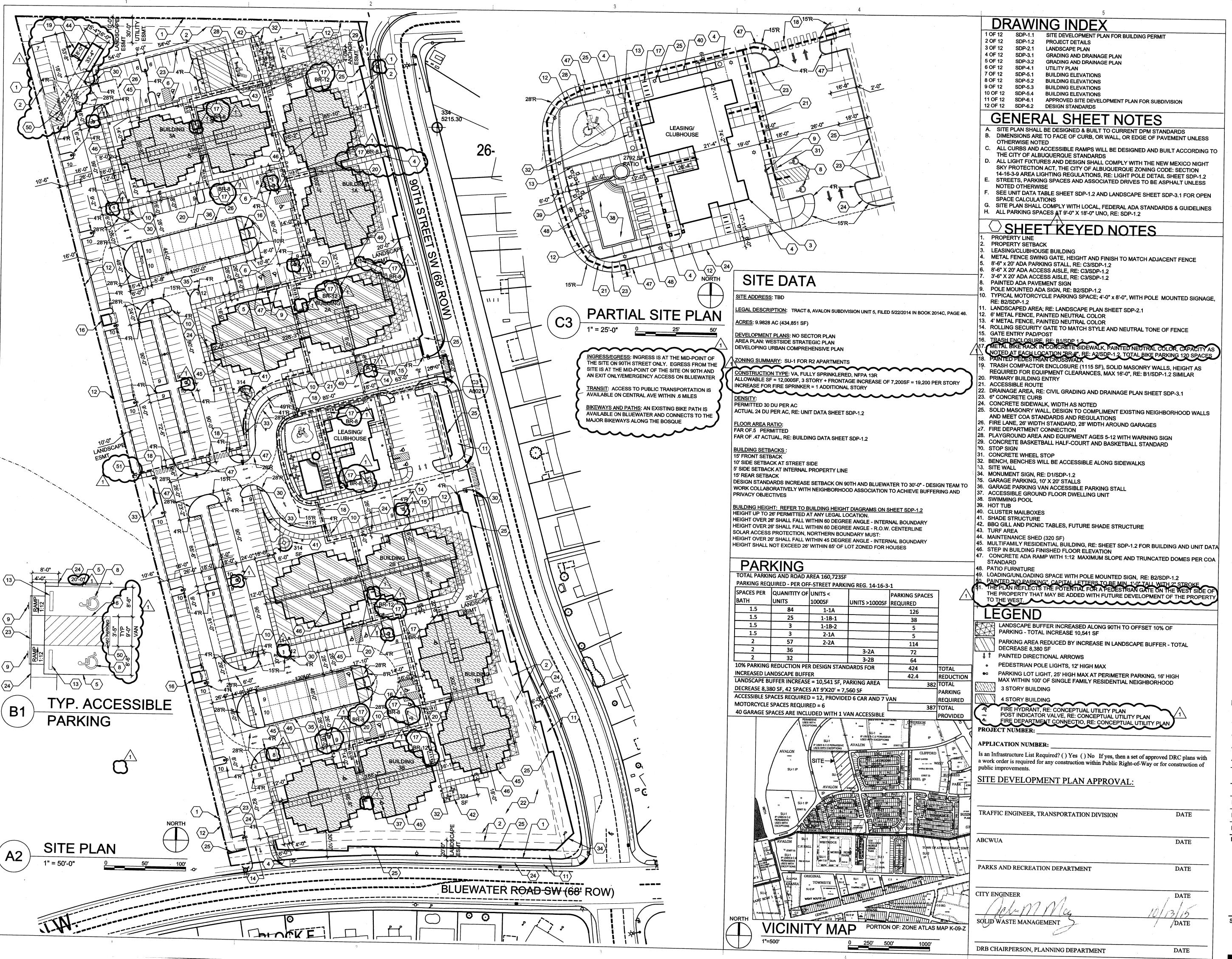


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PROJECT: 1003478

DATE: 10-21-15

APP: 15-70379

REGULET: 5137

ENGINEER

DRB SUBMITAL OCTOBER 13, 2015

PROJECT

ILLAGE AT AVALON APARTMENTS
90TH STREET & BLUEWATER ROAD SW
ALBUQUERQUE, NM

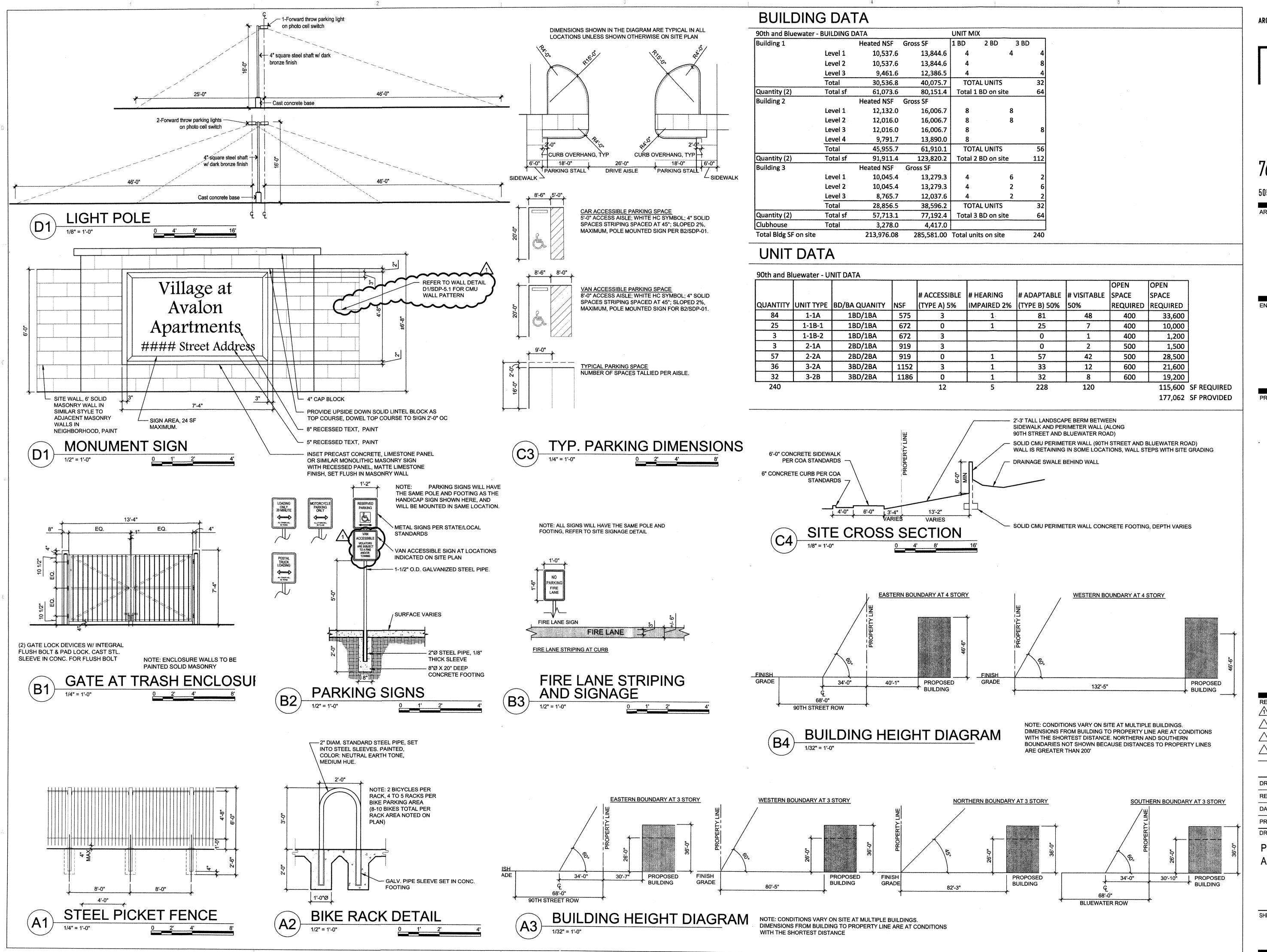
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DRAWN BY MJH
REVIEWED BY RAW
DATE 10/13/2015
PROJECT NO. 15-0074
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SITE PLAN

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ARCHITECTURE / DESIGN / INSPIRATION

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505.761.9700 / DPSDESIGN.ORG

ARCHITECT

ENGINEER

DRB SUBMITAL OCTOBER 13, 2015

PROJECT

LLAGE AT AVALON APARTMENTS 90TH STREET & BLUEWATER ROAD SW

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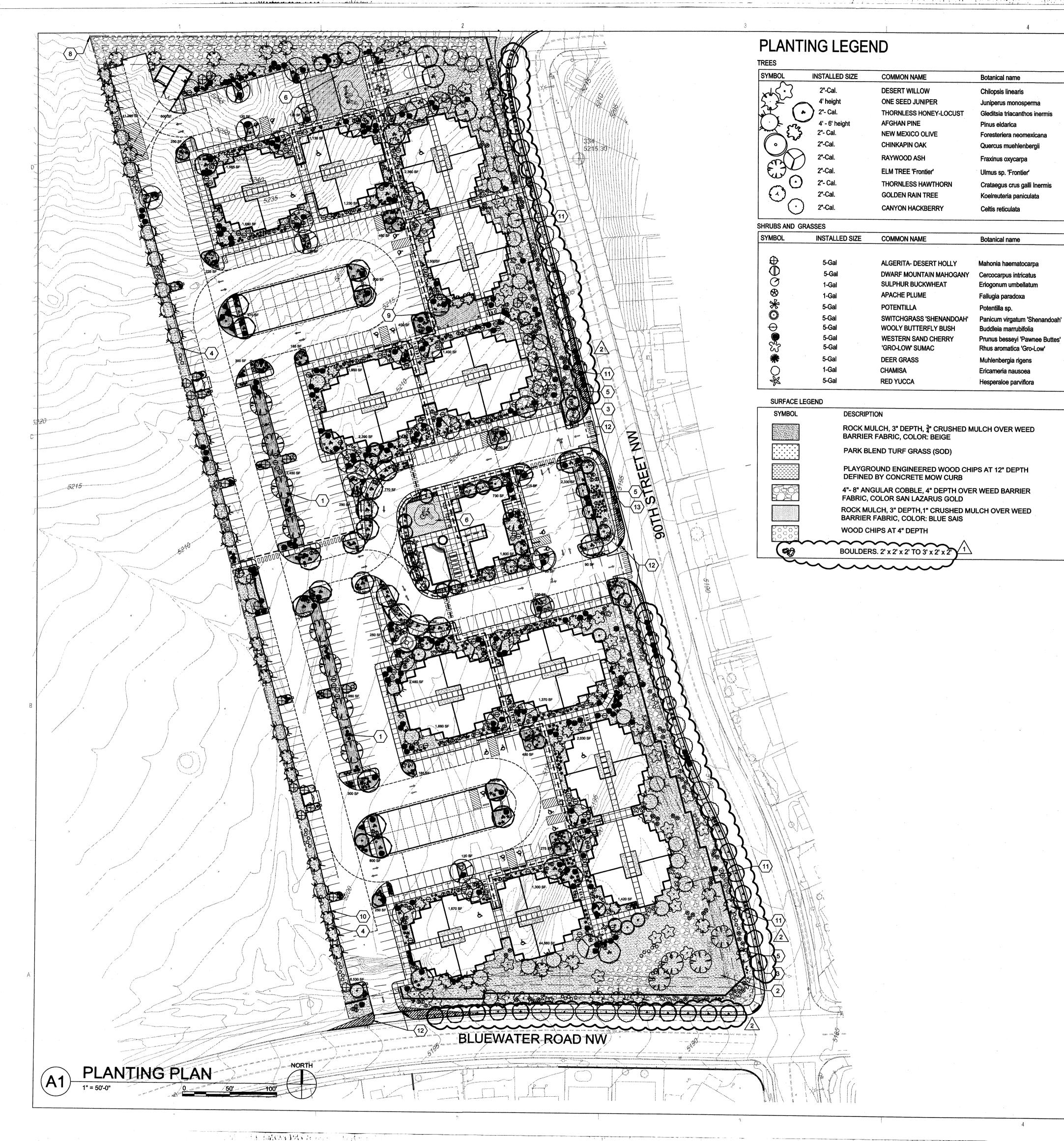
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REVIEWED BY RAW
DATE 10/13/2015
PROJECT NO. 15-0074

PROJECT NO.

DRAWING NAME

PROJECT DATA AND DETAILS

SDP-1.



GENERAL SHEET NOTES

RESPONSIBILITY FOR MAINTENANCE: THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF THE LANDSCAPE INSTALLATION DURING CONSTRUCTION AND DURING A 90 DAY-MAINTENANCE PERIOD FOLLOWING SUBSTANTIAL COMPLETION. THE OWNER WILL BE RESPONSIBLE FOR MAINTENANCE FOLLOWING THE 90-DAY MAINTENANCE PERIOD.

STATEMENT OF COMPLIANCE WITH CITY OF ALBUQUERQUE: GENERAL LANDSCAPE REGULATIONS SECTION 14-16-3-10: THE LANDSCAPE DESIGN WILL COMPLY WITH THE CITY OF ALBUQUERQUE'S GENERAL LANDSCAPING REGULATIONS APPLICABLE TO NON-RESIDENTIAL DEVELOPMENT AND WATER CONSERVATION ORDINANCE. ALL TREES AND SHRUBS ON 90TH STREET AND BLUEWATER ROAD NW WILL BE DESIGNED TO MEET THE STREET TREE **ORDINANCE 6-6-2-1.**

STREET TREE PLAN: STREET TREES ARE PLANTED 30' ON CENTER OR LESS AS INDICATED ON THE PLANS.

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TURF AREA: THERE ARE MINIMAL TURF AREAS ON THIS PROJECT THAT ARE DEDICATED TO RESIDENT PLAY AND RECREATION AREAS.

TIMING OF LANDSCAPE INSTALLATION: INSTALLATION OF THE LANDSCAPING SHALL BE COMPLETE WITHIN 60 DAYS OF THE RELATED BUILDING'S OCCUPANCY. SURFACE TREATMENT: ALL LANDSCAPE AREAS SHALL BE COVERED WITH

VEGETATION, MULCH OR SEED. LANDSCAPING, FENCING, AND SIGNING WILL NOT INTERFERE WITH CLEAR SIGHT REQUIREMENTS. THEREFORE, SIGNS, WALLS, TREES, AND SHRUBBERY BETWEEN

3' AND 8' (AS MEASURED FROM THE GUTTER PAN) WILL NOT BE ACCEPTABLE IN MINIMUM PLANT SIZES ARE AS PER CITY OF ALBUQUERQUE STANDARDS: 2" CALIPER TREES, 6' HEIGHT CONIFERS, AND 1 GALLON SHRUBS.

ALL AREAS DISTURBED DURING CONSTRUCTION, INCLUDING AREAS NOT WITHIN THE PROPERTY LINE, WILL BE STABILIZED. 10. ROOF DRAINS: SURFACE DRAINAGE OFF DOWNSPOUTS SHALL BE DIRECTED

AWAY FROM BUILDINGS INTO LANDSCAPE AREAS. 1. THE IRRIGATION SYSTEM SHALL BE FULLY AUTOMATED WITH IRRIGATION CONTROLLER AND RAIN SENSOR. RUN TIMES AND IRRIGATION ZONES SHALL BE BASED UPON PLANT SPECIES AND ESTABLISHMENT. RUN TIMES SHALL BE ADJUSTED ACCORDING TO PLANT MATURITY, SEASON, LOCATION, AND PLANT

2. ALL PLANT MATERIALS SHALL BE IRRIGATED BY DRIP EMITTERS. USE SIX 2-GAL EMITTERS PER EACH TREE AND TWO 2-GAL EMITTERS PER EACH SHRUB. TURF GRASS SHALL BE IRRIGATED BY SPRAY HEADS DESIGNED TO AVOID OVERSPRAY ONTO ADJACENT HARDSCAPE.

3. IRRIGATION POINT OF CONNECTION TO THE CITY WATER WILL BE LOCATED ON THE PROPERTY. THE IRRIGATION POINT OF CONNECTION SHALL COMPLY WITH THE CITY OF ALBUQUERQUE BACKFLOW PREVENTER STANDARDS.

TRANSFORMERS AND UTILITY PADS SHALL ALLOW TEN FEET OF CLEARANCE IN FRONT OF THE EQUIPMENT DOOR AND FIVE TO SIX FEET OF CLEARANCE ON THE REMAINING SIDES FOR SAFE OPERATION AND MAINTENANCE.

○ SHEET KEYED NOTES

1. WATER HARVESTING SWALE IN PARKING LOT MEDIANS. SEE CIVIL DRAWINGS FOR PLACEMENT FOR CURB CUTS.

2. STORM WATER PONDING AREA. SEE CIVIL DRAWINGS FOR SIZING.

3. STREET TREES ALONG 90TH STREET NW TO PROVIDE VISUAL BUFFER.

4. LANDSCAPE EASEMENT 10' WIDTH WITH LANDSCAPE BUFFER PLANTINGS. 5. CMU BLOCK WALL 6' HEIGHT.

6. PLAYGROUND AREA AND EQUIPMENT.

7. NOT USED.

Water requirements

Low Water Use

Low Water Use

Low Water Use

Medium Water Use

Water requirements

Drought tolerant

Drought tolerant

Drought tolerant

Drought tolerant

Drought tolerant

Low Water Use

Low Water Use

Drought Tolerant

Drought Tolerant

Low Water Use

Drought tolerant

Drought tolerant

Low Water Use

8. PROPERTY LINE.

9. DOG RUN: WOOD CHIPS ON SURFACE, 4' TALL FENCE, DOGI POT STATION WITH TRASH RECEPTACLE AND FROST FREE WATER HYDRANT. 10. OVERHANG PARKING AREA.

11. EVERGREEN TREES PLACEMENT FOR A MAXIMUM PRIVACY OF ADJACENT SINGLE-FAMILY HOMES.

12. CLEAR SIGHT TRIANGLE. 13.NO STREET TREES FOR SIGNAGE VISIBILITY.

LANDSCAPE CALCULATIONS

TOTAL SITE AREA = 9.9828 AC = 434,851 SF AREA OF LOT COVERED BY BUILDINGS = 89,000 SF

NET LOT AREA= 345,851 SF

REQUIRED LANDSCAPE AREA (15% OF NET LOT AREA) = 51,878 SF PROVIDED LANDSCAPE AREA = 142,280 SF = 41% LANDSCAPE AREA CALCULATION DOES NOT INCLUDE:

PUBLIC R.O.W. (6,860 SF) OVERHANG PARKING AREAS (2,510 SF)

REQUIRED GROUND COVERAGE = 38,909 SF = 75%

LANDSCAPE WALKWAYS, HARDSCAPE GATHERING SPACES (35,870 SF) HIGH WATER USE TURF GRASS = 2,240 SF = 1.6% OF PROVIDED LANDSCAPE PLAY AREAS = 2,900 SF

TREES PER PARKING SPACES - REQUIRED= 1 TREE / 10 PARKING SPACES TOTAL NUMBER OF PARKING = 293 SPACES REQUIRED NUMBER OF TREES = 29 TREES PROVIDED NUMBER OF TREES = 50 TREES

NO PARKING SPACE MAY BE MORE THAN 100 FEET AWAY FROM A TREE TRUNK REQUIRED STREET TREES = 38 PROVIDED STREET TREES = 48 placed at 30' on center 10 extra street trees provided to satisfy Avalon Neighborhood Association request

PROVIDED GROUND COVERAGE = 39,390 SF = 76% THE LANDSCAPE PLAN MEETS THE 75% LIVE GROUND COVERAGE REQUIREMENT AS STATED IN THE ZONING CODE

1. PRIOR TO BACKFILLING, ALL MATERIAL SUCH AS CONTAINERS, WIRE, BURLAP, AND ROPE SHALL BE REMOVED. WHILE STILL PROTECTING THE INTEGRITY OF THE

BOTTOM OF TREE PITS TO BE COMPACTED TO PREVENT SETTLING



FILTER FABRIC-

TREE

ARCHITECTURE / DESIGN / INSPIRATION

PERICH

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

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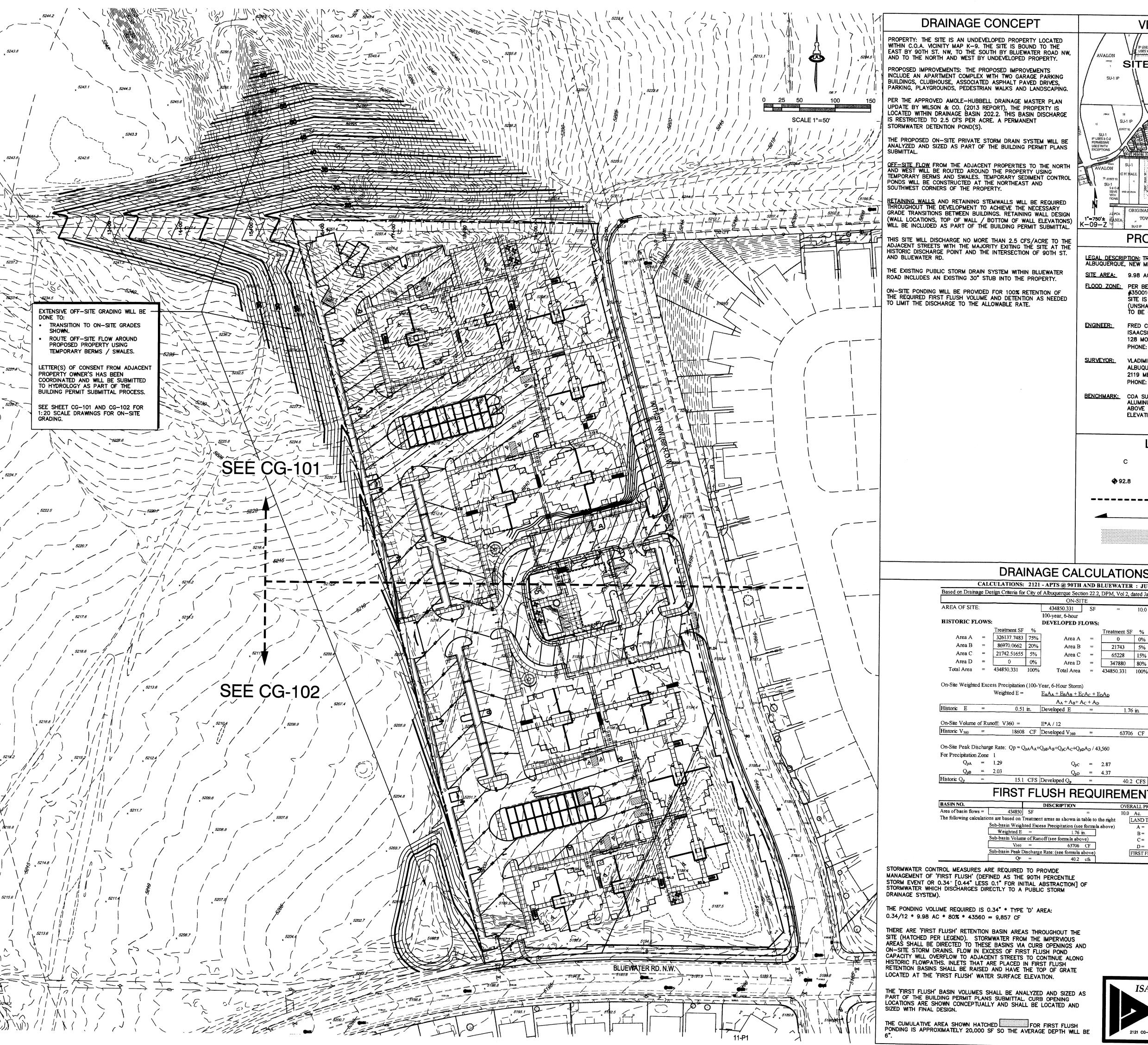
ARCHITECT

PROJECT

EPC CONDITION OF APPROVAL

DRAWN BY **REVIEWED BY** DATE 10/13/2015 PROJECT NO. 15-0074 DRAWING NAME

PLANTING PLAN



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DRAINAGE CONCEPT

PROPERTY: THE SITE IS AN UNDEVELOPED PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP K-9. THE SITE IS BOUND TO THE EAST BY 90TH ST. NW, TO THE SOUTH BY BLUEWATER ROAD NW, AND TO THE NORTH AND WEST BY UNDEVELOPED PROPERTY.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE AN APARTMENT COMPLEX WITH TWO GARAGE PARKING BUILDINGS, CLUBHOUSE, ASSOCIATED ASPHALT PAVED DRIVES, PARKING, PLAYGROUNDS, PEDESTRIAN WALKS AND LANDSCAPING.

PER THE APPROVED AMOLE-HUBBELL DRAINAGE MASTER PLAN UPDATE BY WILSON & CO. (2013 REPORT), THE PROPERTY IS LOCATED WITHIN DRAINAGE BASIN 202.2. THIS BASIN DISCHARGE IS RESTRICTED TO 2.5 CFS PER ACRE. A PERMANENT

THE PROPOSED ON-SITE PRIVATE STORM DRAIN SYSTEM WILL BE ANALYZED AND SIZED AS PART OF THE BUILDING PERMIT PLANS

OFF-SITE FLOW FROM THE ADJACENT PROPERTIES TO THE NORTH AND WEST WILL BE ROUTED AROUND THE PROPERTY USING TEMPORARY BERMS AND SWALES. TEMPORARY SEDIMENT CONTROL PONDS WILL BE CONSTRUCTED AT THE NORTHEAST AND SOUTHWEST CORNERS OF THE PROPERTY.

RETAINING WALLS AND RETAINING STEMWALLS WILL BE REQUIRED THROUGHOUT THE DEVELOPMENT TO ACHIEVE THE NECESSARY GRADE TRANSITIONS BETWEEN BUILDINGS. RETAINING WALL DESIGN (WALL LOCATIONS, TOP OF WALL / BOTTOM OF WALL ELEVATIONS)
WILL BE INCLUDED AS PART OF THE BUILDING PERMIT SUBMITTAL.

ROAD INCLUDES AN EXISTING 30" STUB INTO THE PROPERTY.

VICINITY MAP AVALON SU-1 IP

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PROJECT DATA

LEGAL DESCRIPTION: TRACT 8, UNIT 5, AVALON SUBDIVISION, ALBUQUERQUE, NEW MEXICO SITE AREA: 9.98 AC.

FLOOD ZONE: PER BERNALILLO COUNTY FIRM MAP #35001C0328H, DATED AUGUST 16, 2012, THE SITE IS LOCATED WITHIN FLOODZONE 'X' (UNSHADED) DESIGNATED AS AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN.

ENGINEER: FRED C. ARFMAN ISAACSON & ARFMAN, P.A. 128 MONROE ST NE, ABQ. NM 87108 PHONE: (505) 268-8828

SURVEYOR: VLADIMIR JIRIK ALBUQUERQUE SURVEYING CO. 2119 MENAUL BLVD. NE, ABQ. NM 87107 PHONE: (505) 884-2036

BENCHMARK: COA SURVEY MONUMENT 7_K9. A 3 1/4 INCH ALUMINUM DISC RIVETED TO A PIPE 0.2 FEET ABOVE GROUND. STAMPED "7-K9 1989". ELEVATION = 5140.082 (NAVD 1988).

LEGEND

PROPOSED CURB OPENING

PROPOSED SPOT ELEVATION

PROPOSED ON-SITE STORM DRAIN

FIRST FLUSH AND POND AS REQUIRED

DRAINAGE CALCULATIONS

CALCULATIONS: 2121 - APTS @ 90TH AND BLUEWATER: JULY 17, 2015 Based on Drainage Design Criteria for City of Albuquerque Section 22.2, DPM, Vol 2, dated Jan., 1993 ON-SITE 434850.331 SF 100-year, 6-hour **DEVELOPED FLOWS: EXCESS PRECIP:** $E_A = 0.44$ 86970.0662 20% Area B = 21743 5% $E_{\rm B} = 0.67$ 21742.51655 5% Area C = 65228 15% $E_{\rm C} = 0.99$ Area D = 347880 80% $E_D = 1.97$ Total Area = 434850.331 100% Total Area = 434850.331 100%

On-Site Weighted Excess Precipitation (100-Year, 6-Hour Storm) Weighted E = $E_AA_A + E_BA_B + E_CA_C + E_DA_D$ $A_A + A_B + A_C + A_D$ Historic E = 0.51 in. Developed E = On-Site Volume of Runoff: V360 = E*A / 12

On-Site Peak Discharge Rate: $Qp = Q_{pA}A_A + Q_{pB}A_B + Q_{pC}A_C + Q_{pD}A_D / 43,560$ $Q_{pC} = 2.87$

FIRST FLUSH REQUIREMENT

Area of basin flows = 434850 SF The following calculations are based on Treatment areas as shown in table to the right Sub-basin Weighted Excess Precipitation (see formula above) Weighted E = Sub-basin Volume of Runoff (see formula above) -basin Peak Discharge Rate: (see formula above) FIRST FLUSH VOL.

STORMWATER CONTROL MEASURES ARE REQUIRED TO PROVIDE MANAGEMENT OF 'FIRST FLUSH' (DEFINED AS THE 90TH PERCENTILE STORM EVENT OR 0.34" [0.44" LESS 0.1" FOR INITIAL ABSTRACTION] OF STORMWATER WHICH DISCHARGES DIRECTLY TO A PUBLIC STORM

THE PONDING VOLUME REQUIRED IS 0.34" * TYPE 'D' AREA:

THERE ARE 'FIRST FLUSH' RETENTION BASIN AREAS THROUGHOUT THE SITE (HATCHED PER LEGEND). STORMWATER FROM THE IMPERVIOUS AREAS SHALL BE DIRECTED TO THESE BASINS VIA CURB OPENINGS AND ON-SITE STORM DRAINS. FLOW IN EXCESS OF FIRST FLUSH POND CAPACITY WILL OVERFLOW TO ADJACENT STREETS TO CONTINUE ALONG HISTORIC FLOWPATHS. INLETS THAT ARE PLACED IN FIRST FLUSH RETENTION BASINS SHALL BE RAISED AND HAVE THE TOP OF GRATE

THE 'FIRST FLUSH' BASIN VOLUMES SHALL BE ANALYZED AND SIZED AS PART OF THE BUILDING PERMIT PLANS SUBMITTAL. CURB OPENING LOCATIONS ARE SHOWN CONCEPTUALLY AND SHALL BE LOCATED AND

THE CUMULATIVE AREA SHOWN HATCHED FOR FIRST FLUSH

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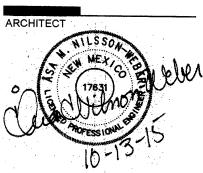
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ARCHITECTURE / DESIGN / INSPIRATION

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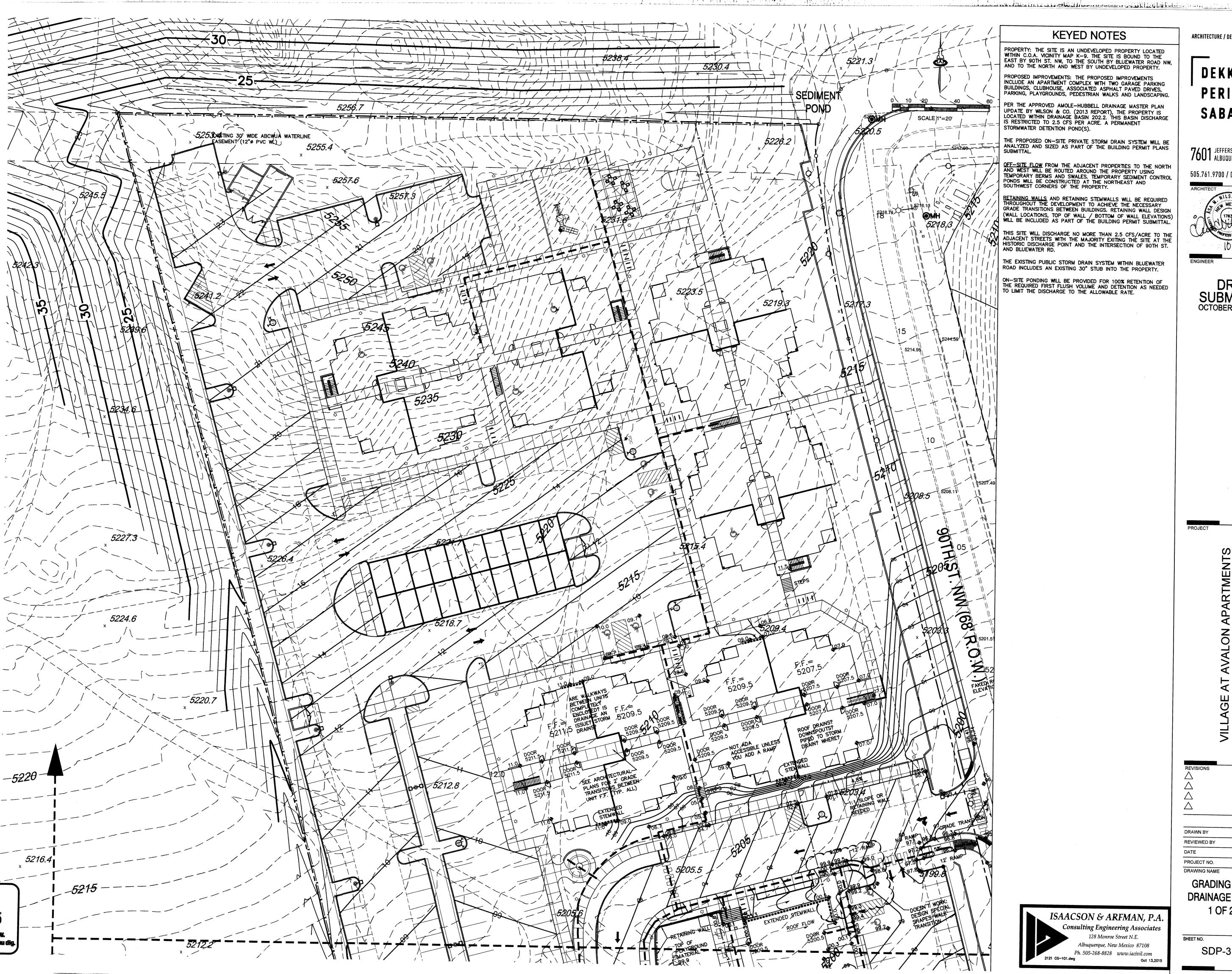
OVERALL GRADING AND DRAINAGE PLAN

15-0074

PROJECT NO.

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SDP-3.1



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KEYED NOTES

PROPERTY: THE SITE IS AN UNDEVELOPED PROPERTY LOCATED WITHIN C.O.A. VICINITY MAP K-9. THE SITE IS BOUND TO THE EAST BY 90TH ST. NW, TO THE SOUTH BY BLUEWATER ROAD NW, AND TO THE NORTH AND WEST BY UNDEVELOPED PROPERTY.

PROPOSED IMPROVEMENTS: THE PROPOSED IMPROVEMENTS INCLUDE AN APARTMENT COMPLEX WITH TWO GARAGE PARKING BUILDINGS, CLUBHOUSE, ASSOCIATED ASPHALT PAVED DRIVES, PARKING, PLAYGROUNDS, PEDESTRIAN WALKS AND LANDSCAPING.

PER THE APPROVED AMOLE—HUBBELL DRAINAGE MASTER PLAN UPDATE BY WILSON & CO. (2013 REPORT), THE PROPERTY IS LOCATED WITHIN DRAINAGE BASIN 202.2. THIS BASIN DISCHARGE IS RESTRICTED TO 2.5 CFS PER ACRE. A PERMANENT STORMWATER DETENTION POND(S).

THE PROPOSED ON-SITE PRIVATE STORM DRAIN SYSTEM WILL BE ANALYZED AND SIZED AS PART OF THE BUILDING PERMIT PLANS SUBMITTAL.

OFF-SITE FLOW FROM THE ADJACENT PROPERTIES TO THE NORTH AND WEST WILL BE ROUTED AROUND THE PROPERTY USING TEMPORARY BERMS AND SWALES. TEMPORARY SEDIMENT CONTROL PONDS WILL BE CONSTRUCTED AT THE NORTHEAST AND SOUTHWEST CORNERS OF THE PROPERTY.

RETAINING WALLS AND RETAINING STEMWALLS WILL BE REQUIRED THROUGHOUT THE DEVELOPMENT TO ACHIEVE THE NECESSARY GRADE TRANSITIONS BETWEEN BUILDINGS. RETAINING WALL DESIGN (WALL LOCATIONS, TOP OF WALL / BOTTOM OF WALL ELEVATIONS) WILL BE INCLUDED AS PART OF THE BUILDING PERMIT SUBMITTAL.

THIS SITE WILL DISCHARGE NO MORE THAN 2.5 CFS/ACRE TO THE ADJACENT STREETS WITH THE MAJORITY EXITING THE SITE AT THE HISTORIC DISCHARGE POINT AND THE INTERSECTION OF 90TH ST. AND BLUEWATER RD.

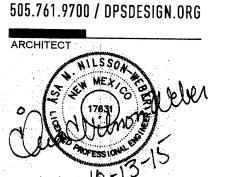
THE EXISTING PUBLIC STORM DRAIN SYSTEM WITHIN BLUEWATER ROAD INCLUDES AN EXISTING 30" STUB INTO THE PROPERTY.

ON-SITE PONDING WILL BE PROVIDED FOR 100% RETENTION OF THE REQUIRED FIRST FLUSH VOLUME AND DETENTION AS NEEDED TO LIMIT THE DISCHARGE TO THE ALLOWABLE RATE.

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GRADING AND DRAINAGE PLAN 1 OF 2

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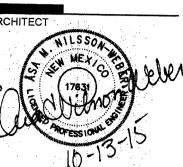
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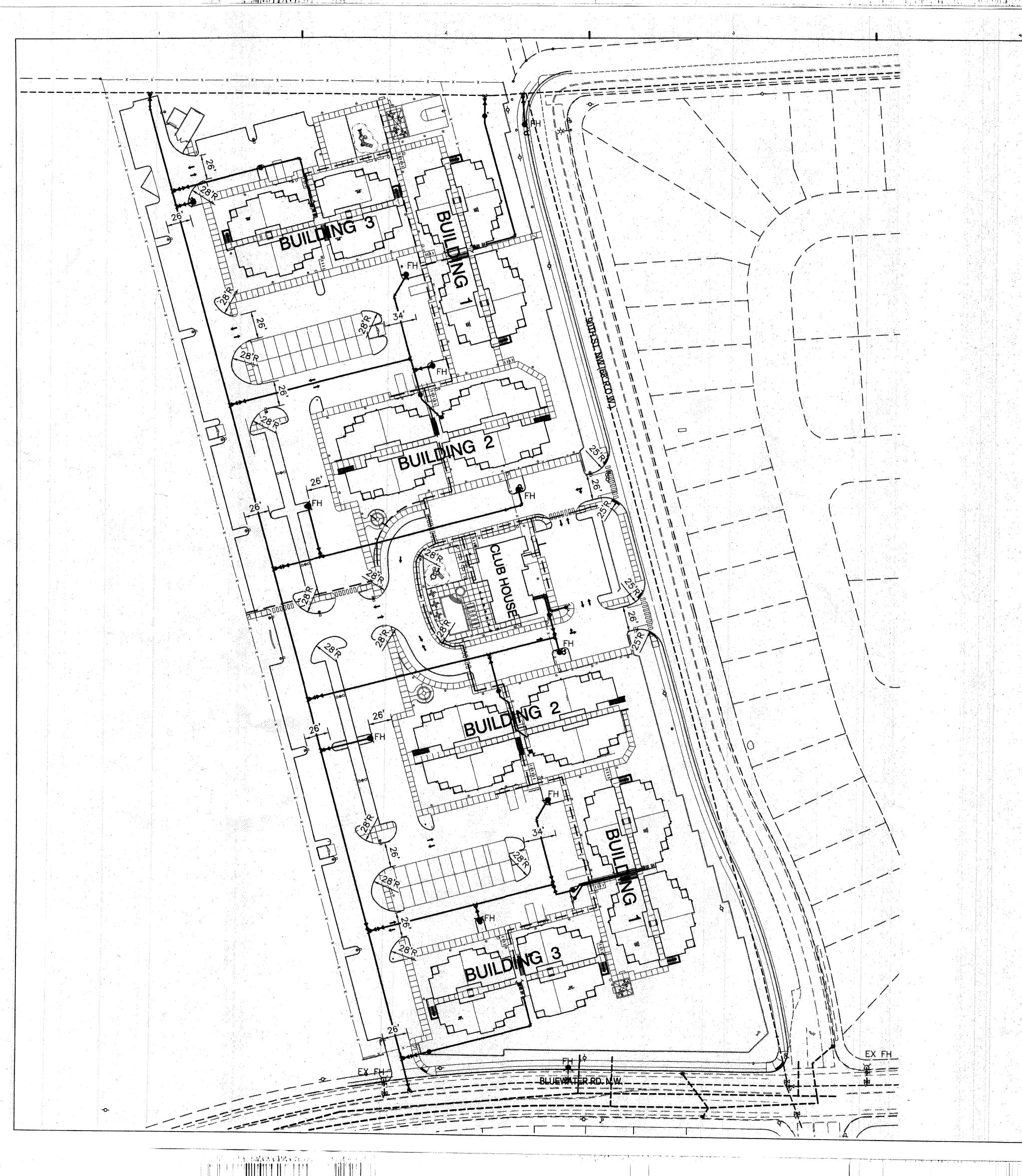
SDP-3.3

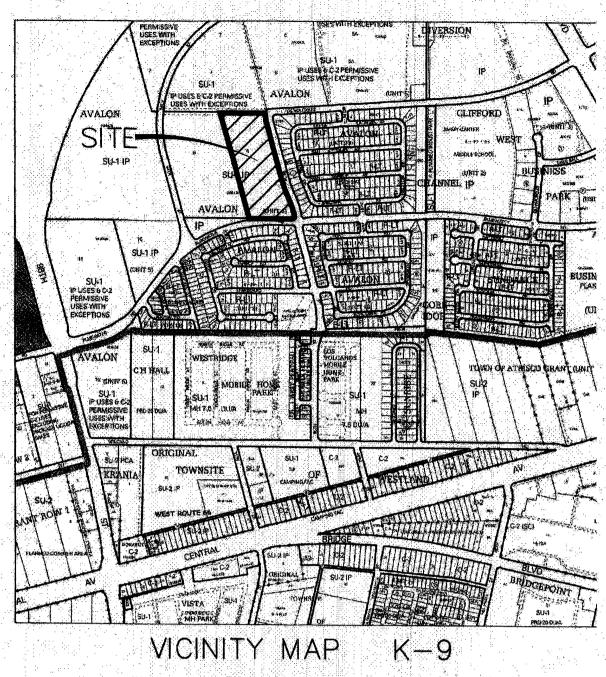
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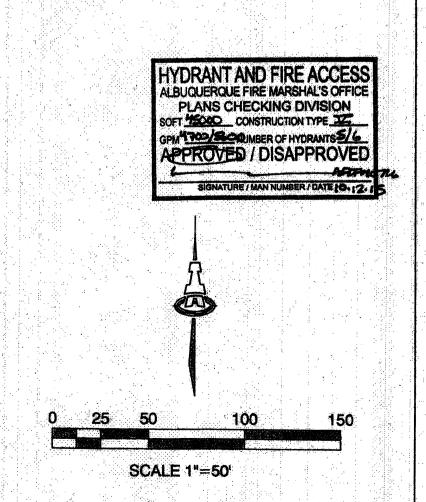


APARTMENT BUILDINGS = 6 CLUB HOUSE = 1

TYPE V—A CONSTRUCTION SPRINKLERED

BUILDING 1 = 30,537 SF (4718 GPM)

BUILDING 2 = 45,956 SF (5788 GPM)BUILDING 3 = 28,857 SF (4532 GPM)



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PROJECT

LLAGE AT AVALON APARTMENTS 90TH STREET & BLUEWATER ROAD SW ALBUQUERQUE, NM

REVISIONS

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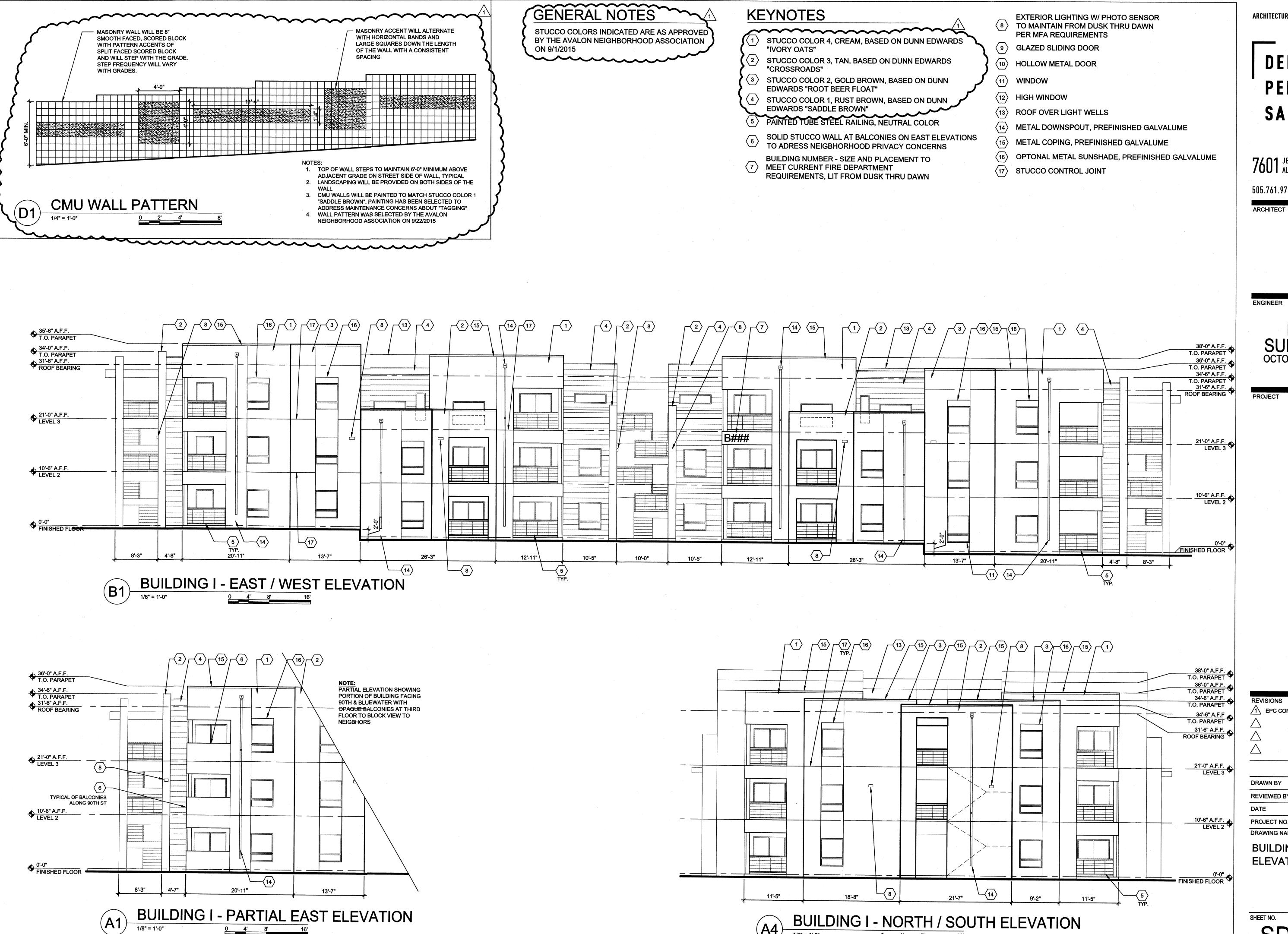
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FIRE HYDRANT
LOCATION AND
ACCESS PLAN &
CONCEPTUAL

SDP-4.1

UTILITY PLAN



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ENGINEER

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PROJECT

REVISIONS EPC CONDITION OF APPROVAL

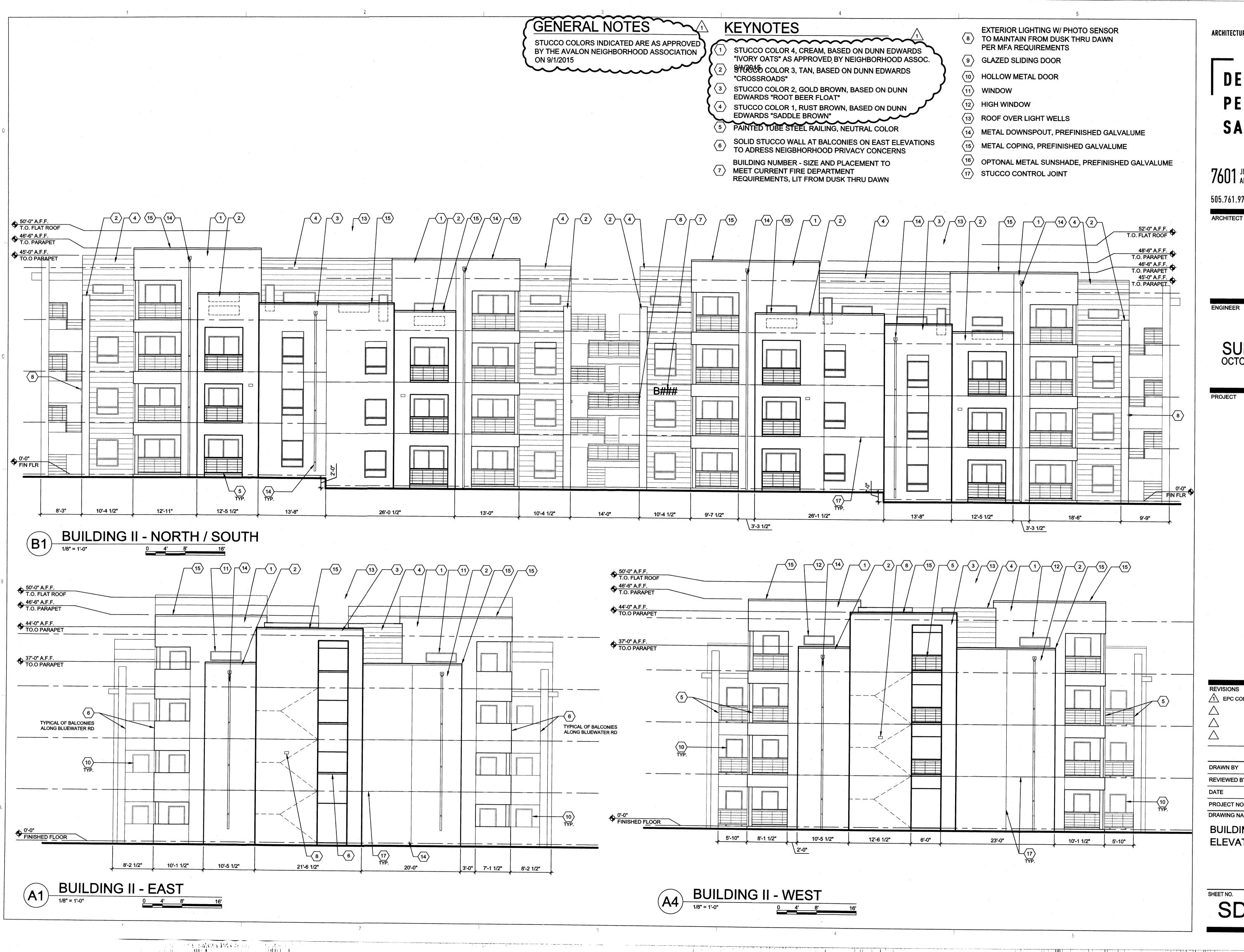
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BUILDING TYPE I ELEVATIONS

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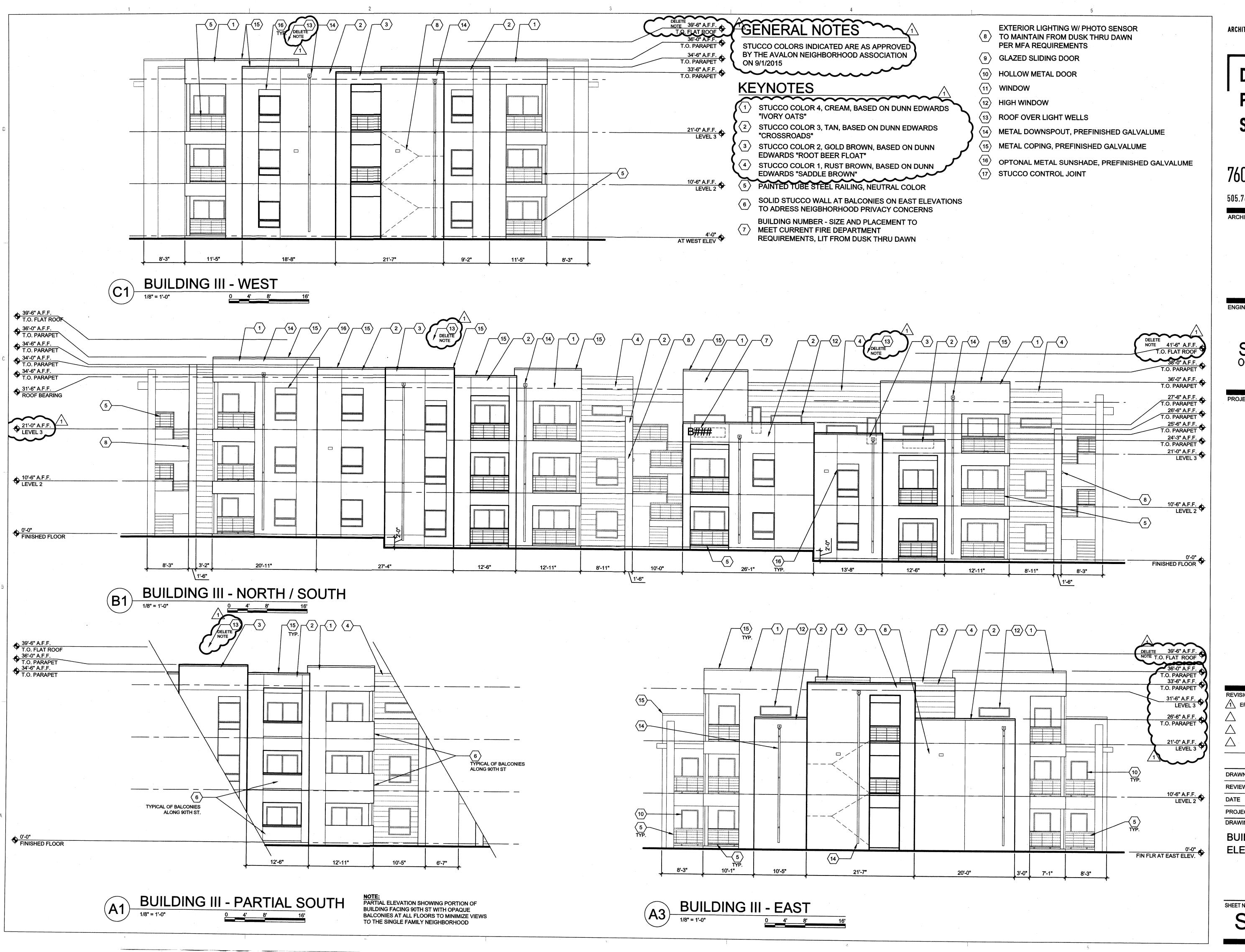
PROJECT

EPC CONDITION OF APPROVAL

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DATE 10/13/2015 PROJECT NO. 15-0074 DRAWING NAME

BUILDING TYPE II ELEVATIONS



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ENGINEER

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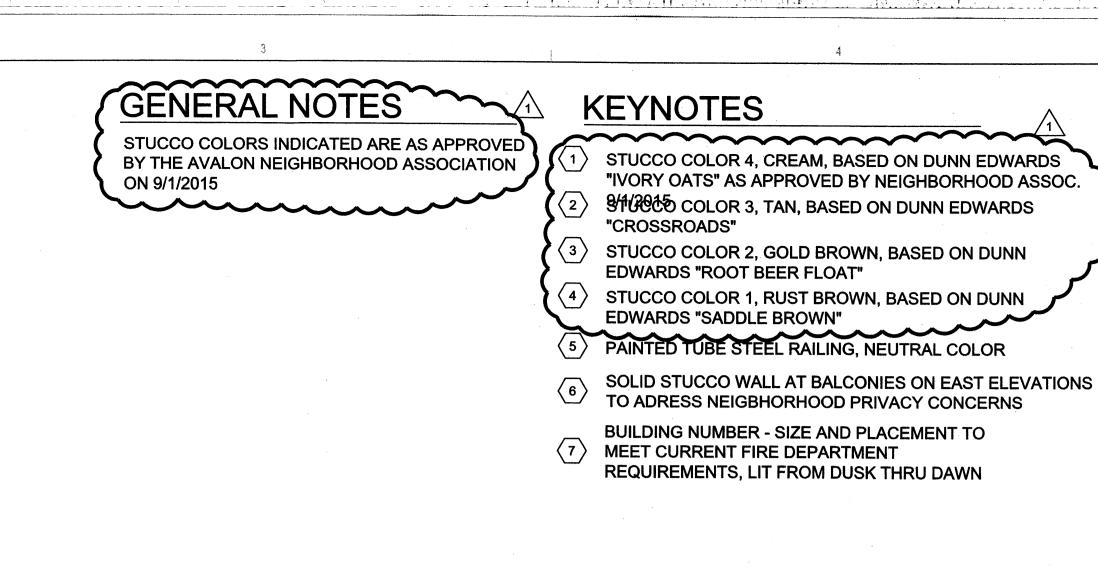
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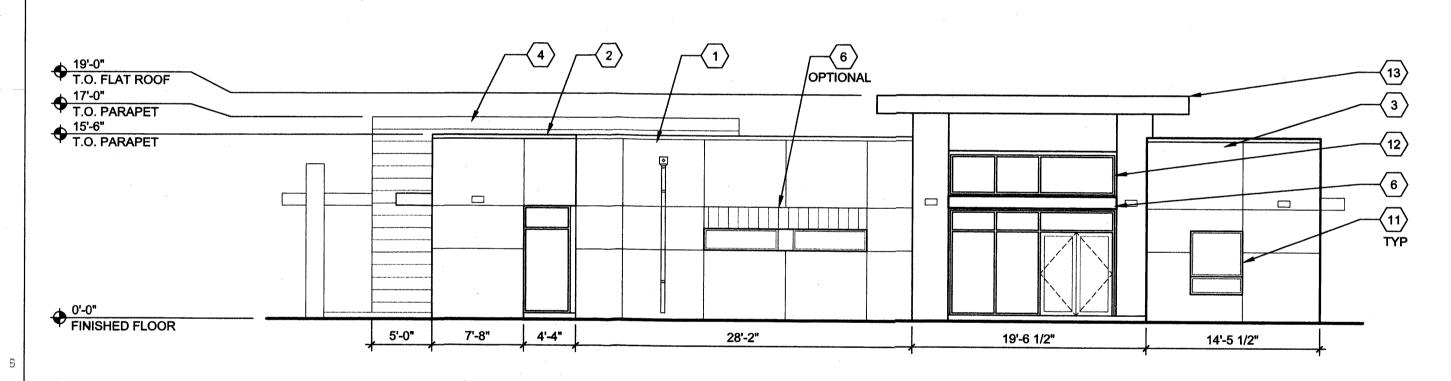
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BUILDING TYPE III ELEVATIONS



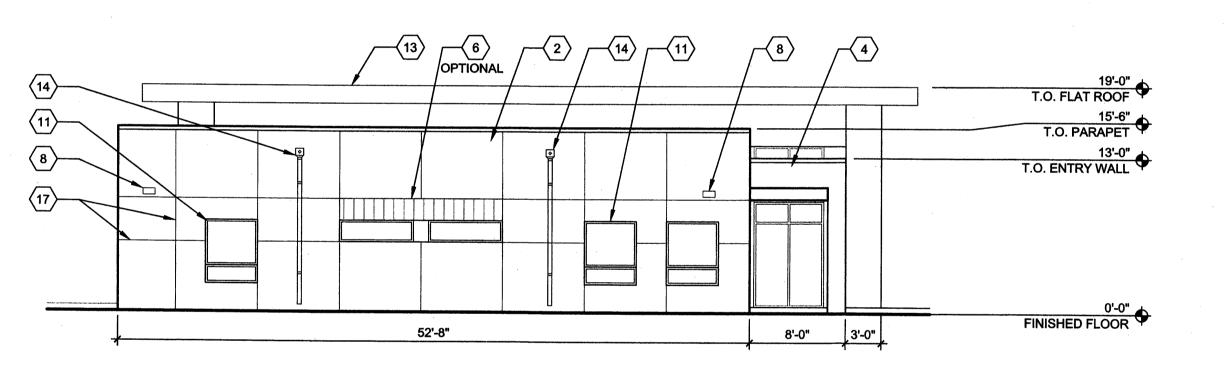


EAST BUILDING ELEVATION
COMMUNITY CENTER

1/8" = 1'-0"

0 4 8 16'

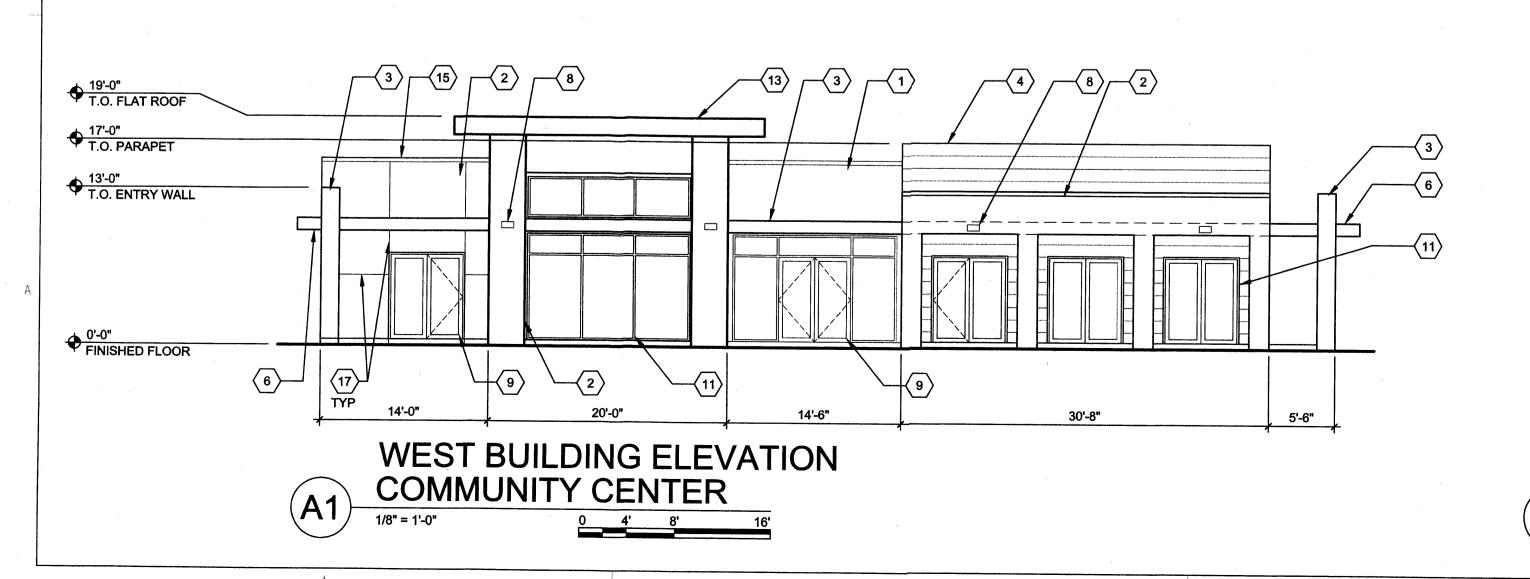
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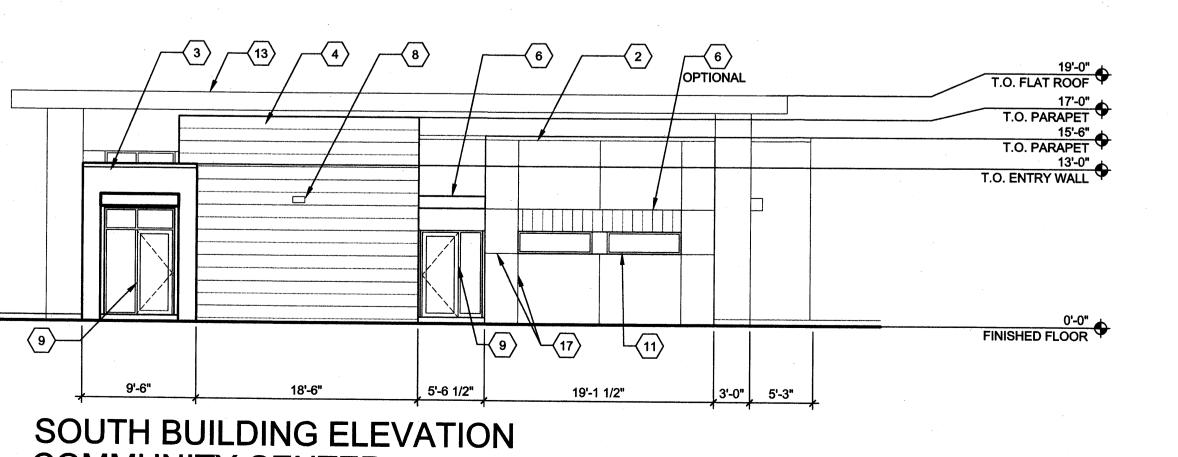


NORTH BUILDING ELEVATION
COMMUNITY CENTER

1/8" = 1'-0"

0 4' 8' 16'





SOUTH BUILDING ELEVATION
COMMUNITY CENTER

1/8" = 1'-0"

Quadratic Service Ser

ARCHITECTURE / DESIGN / INSPIRATION

EXTERIOR LIGHTING W/ PHOTO SENSOR

TO MAINTAIN FROM DUSK THRU DAWN PER MFA REQUIREMENTS

(13) METAL FASCIA, PREFINISHED GALVALUME

(15) METAL COPING, PREFINISHED GALVALUME

14 METAL DOWNSPOUT, PREFINISHED GALVALUME

OPTONAL METAL SUNSHADE, PREFINISHED GALVALUME

(9) GLAZED ENTRY DOOR

(10) HOLLOW METAL DOOR

(17) STUCCO CONTROL JOINT

(11) WINDOW

12 HIGH WINDOW

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ARCHITECT

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PROJECT

VILLAGE AT AVALON APARTMENTS
90TH STREET & BLUEWATER ROAD SW
ALBIJOLIFROLIF NM

REVISIONS

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COMMUNITY CENTER ELEVATIONS

15-0074