

DEKKER PERICH SABATINI

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

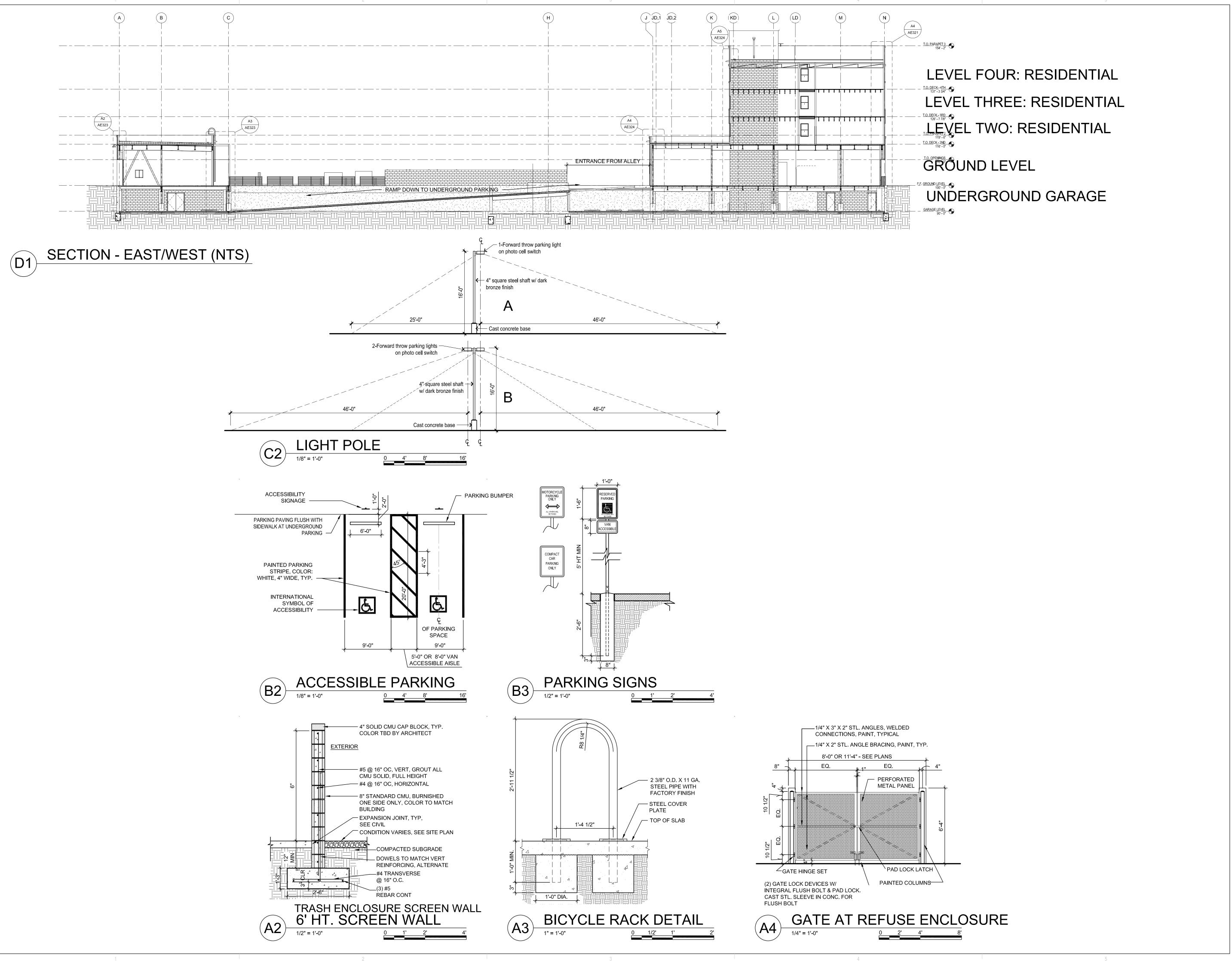
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ARCHITECT

DRAWN BY DPS **REVIEWED BY** 8/28/2014 PROJECT NO. 14-0064

DRAWING NAME SITE DEVELOPMENT PLAN FOR **BUILDING PERMIT** 

(DRT SUBMISSION)



DEKKER
PERICH
SABATINI

ARCHITECTURE / DESIGN / INSPIRATION

7601 JEFFERSON NE, SUITE 100 ALBUQUERQUE, NM 87109

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ARCHITECT

ENGINEER

APERIAL BUILDING
205 Silver Avenue SW
Albuquerque, NM 87102

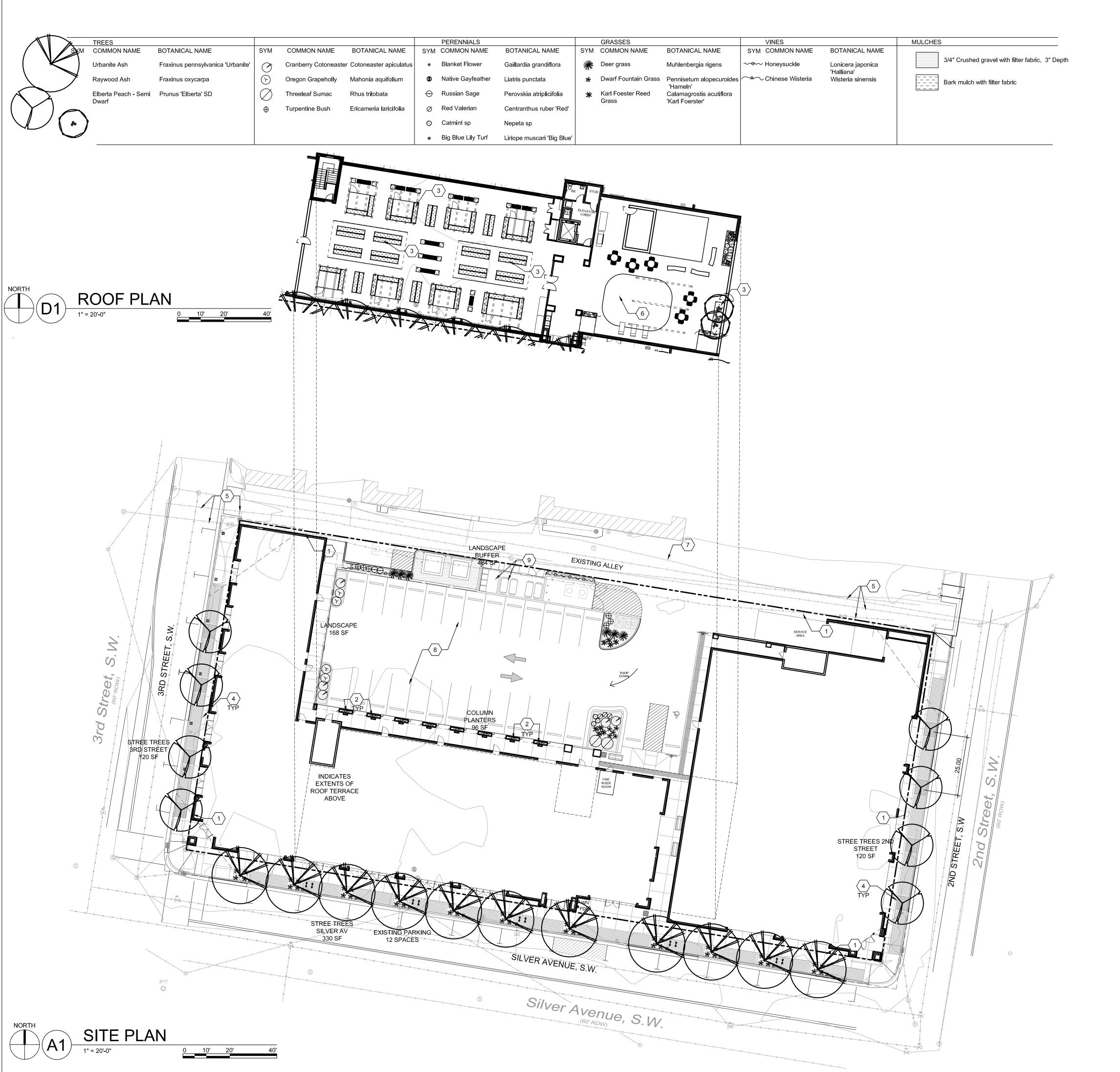
ENTITLEMENTS

DRAWN BY DPS
REVIEWED BY
DATE 8/28/2014
PROJECT NO. 14-0064

SITE DETAILS (DRT SUBMISSION)

DRAWING NAME

SDP-1.2



### GENERAL SHEET NOTES

- A. FOR GRADING AND DRAINAGE INFORMATION, SEE CIVIL DRAWINGS. DO NOT RELY ON LANDSCAPE DRAWINGS FOR GRADING INFORMATION.
- B. FOR ADDITIONAL INFORMATION ON SITE ELEMENTS, SEE SITE PLAN.

### PLANTING NOTES

- THE LANDSCAPE DESIGN SHALL COMPLY WITH THE INTENT OF THE CITY OF ALBUQUERQUE WASTE WATER CONSERVATION, LANDSCAPING AND WATER WASTE ORDINANCE.
- LANDSCAPING SHALL BE INSTALLED ACCORDING TO THE APPROVED PLAN; INSTALLATION SHALL BE COMPLETE WITHIN 60 DAYS OF THE RELATED BUILDING'S OCCUPANCY.
- AFTER SUBSTANTIAL COMPLETION, THE INSTALLATION AND MAINTENANCE OF LANDSCAPING AND IRRIGATION SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
- 4. PLANTING SCHEDULE APPLIES TO NEW PLANT MATERIAL ONLY. FINAL SPECIES AND LOCATIONS MAY VARY FROM THIS PLAN. LANDSCAPING SHALL HAVE ADEQUATE MAINTENANCE. LANDSCAPING WHICH
- DIES SHALL BE REPLACED BY THE OWNER AS EXPEDITIOUSLY AS POSSIBLE, BUT IN NO CASE LONGER THAN 60 DAYS AFTER NOTIFICATION. NO TURF IS BEING PROPOSED IN THIS PROJECT. LANDSCAPE AREAS SHALL BE COVERED WITH MULCH OR SEED. SEE PLANTING
- IF DISCREPANCIES OCCUR BETWEEN THE DRAWINGS AND THE SITE CONDITIONS, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO PROCEEDING ON THAT PORTION OF WORK.
- IT IS THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF PLANTING AND IRRIGATION OPERATIONS.
- 10. MINIMUM INSTALLATION SIZES FOR PLANT MATERIAL VARY BY SPECIES. SEE PLANT LEGEND.
- 11. LANDSCAPE ARCHITECT SHALL APPROVE ALL PLANT MATERIAL PRIOR TO PLANTING, AND RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL DEEMED UNACCEPTABLE.
- 12. ALL PLANT MATERIAL MUST BE NURSERY GROWN, AND ALL PLANTS SHALL BEAR SAME RELATION TO FINISHED GRADE AS IN ORIGINAL NURSERY CONDITION.
- 13. ALL LINES SHOWN BETWEEN MULCH TYPES ARE FOR REFERENCE ONLY AND DO NOT INDICATE STEEL EDGING.
- 14. NATIVE SOILS MAY BE USED FOR LANDSCAPE INSTALLATION, BUT SHALL BE BLENDED WITH IMPORTED TOPSOIL BLEND AND/OR COMPOST.
- 15. WHERE MULCH IS ADJACENT TO CONCRETE, FINISH GRADE OF MULCH TO BE APPROXIMATELY ½" BELOW TOP OF CONCRETE.
- 16. PASSIVE WATER HARVESTING, SUCH AS HARVESTING OF STORM WATER SURFACE RUNOFF AND ROOF RUNOFF, SHALL BE UTILIZED WHERE FEASIBLE AND CAPTURED IN AN UNDERGROUND CISTERN.

### **IRRIGATION NOTES**

- THE IRRIGATION SYSTEM DESIGN SHALL COMPLY WITH ALL CITY WATER CONSERVATION LANDSCAPE AND WASTE WATER ORDINANCES.
- A FULLY AUTOMATED IRRIGATION SYSTEM WILL BE USED TO IRRIGATE TREES, SHRUBS, AND GROUNDCOVER PLANTING AREAS.
- THE IRRIGATION SYSTEM SHALL BE CONNECTED TO A NON PORTABLE WATER HARVESTING SYSTEM.
- THE IRRIGATION SYSTEM SHALL BE DESIGNED WITH SEPARATE ZONES
- ACCORDING TO PLANT WATER REQUIREMENTS. 5. EACH TREE SHALL RECEIVE THREE (3) - ONE (1) GPH EMITTERS. EACH SHRUB/PERENNIAL SHALL RECEIVE TWO (2) - TWO (2) GPH EMITTERS. EACH
- ACCENT PLANT SHALL RECEIVE TWO (2) ONE (1) GPH EMITTER.

  THE MAINTENANCE OF THE IRRIGATION SYSTEM SHALL BE THE RESPONSIBILITY
  OF THE PROPERTY OWNER.

### LANDSCAPE CALCULATIONS

SITE AREA: **BUILDING AREA:** NET LOT AREA:

PROVIDED LANDSCAPE AREA: 2,371 SF

0.97 ACRES (42,253SF) 25,778 SF 15,398 SF REQUIRED LANDSCAPE AREA: 15% OF NET LOT AREA: 2,310 SF

A MINIMUM OF 75% OF LANDSCAPE AREAS AND 60%-75% OF PLANTING STRIPS SHALL BE COVERED WITH LIVE VEGETATIVE MATERIALS.

A MINIMUM OF 10% OF LANDSCAPE AREAS WILL HAVE FLOWERING PLANTS OR

- PROPERTY LINE
   PLANTER IN COLUMN
   RAISED PLANTER
- 4. TREE GRATE 5. EXISTING UTILITY LINES
- 6. MULTI PURPOSE SYNTHETIC TURF
- 7. PROPOSED LOCATION FOR UNDERGROUND CISTERN 8. PARKING AT RAMP. UNDERGROUND PARKING ACCESS

○ SHEET KEYED NOTES

9. DUMPSTER

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ARCHITECT

**ENGINEER** 

PROJECT

/enue S NM 87

## **ENTITLEMENTS**

REVISIONS

PROJECT NO.

DRAWN BY DPS **REVIEWED BY** 8/28/2014

DRAWING NAME SITE DEVELOPMENT PLAN FOR **BUILDING PERMIT** 

(DRT SUBMISSION)

14-0064

### NOTICE TO CONTRACTORS **EROSION CONTROL NOTES** 1. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF DISTURBANCE PERMIT PRIOR TO BEGINNING WORK. EXISTING UTILITIES. 2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF 2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND ON SITE DURING CONSTRUCTION. VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONNECTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL 3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH THAT GETS INTO EXISTING RIGHT-OF-WAY. A MINIMUM AMOUNT OF DELAY. A.G.R.S. MONUMENT "27\_K14" STANDARD A.G.R.S. BRASS TABLET REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT (FOUND IN PLACE) 3. BACKFILL COMPACTION SHALL BE ACCORDING TO TRAFFIC/STREET USE. NEW MEXICO STATE PLANE COORDINATE ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC (CENTRAL ZONE-N.A.D. 1983) N=1486003.797 E=1522408.158 FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. 4. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF PUBLISHED EL=4971.456 (NAVD 1988) THE OWNER OF THE PROPERTY SERVED. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE 5. SOURCE OF TOPO IS ALTA/ACSM LAND TITLE SURVEY OF LOT 2 HARMS OF ANY PROJECT. INDUSTRIAL PARK PREPARED BY PRECISION SURVEYS, INC DATED JUNE, INV = 4944.86TRENCH DRAIN WIT SUMP PUMP CONNECTED TO 4944.35 5500 GAL TANK WITH LINE DRAINING THROUGH CURB APPROX. LOCATION TRUCK WELL DRAIN WITH OF UNDERGROUND — SUMP PUMP CONNECTED TO 34000 GAL CISTERN 2" LINE THAT WILL DAYLIGHT REMOVE AND DISPOSE THROUGH THE CURB EXIST DRIVE PAD, GRATE=4950.25 REPLACE DROP CURB W/STANDARD CURB 4953.73 4954.23T AND GUTTER (26 LF) ACCESSIBLE REMOVE AND DISPOSE EXIST DRIVE PAD, <u>4954.35</u> B"// CURB REPLACE DROP CURB FF=4954.35 W/STANDARD CURB FF=4954.35 AND GUTTER (37 LF) TE=4953.09 4950.51 REMOVE AND DISPOSE EXIST DRIVE PAD, REPLACE DROP CURB W/STANDARD CURB REMOVE AND DISPOSE AND GUTTER (37 LF) 4954.35 REPLACE DROP CURB W/STANDARD CURB AND GUTTER (25 LF) GRATE=4953.16 SILVER AVE GRAPHIC SCALE ( IN FEET ) 1 inch = 20 ft.PROPOSED SITE DRAINAGE: EXISTING SITE DRAINAGE: THIS SITE WILL BE DEVELOPED WITH A MIXED USE MULTI-LEVEL BUILDING THAT WILL TAKE UP THE ENTIRE LOT. THERE ARE FOUR PROPOSED BASINS AS SHOWN ON THE PROPOSED BASIN MAP. THE 0.98 ACRE SITE IS LOCATED IN DOWNTOWN ALBUQUERQUE ON THE NORTH SIDE OF SILVER AVENUE BETWEEN 2ND STREET AND 3RD STREET. THE SITE IS BOUNDED ON THE NORTH BY AN EXISTING ALLEY WITH AS PART OF THIS PROJECT, THE DEVELOPER HAS TEAMED UP WITH AMAFCA AND THE EPA TO PROVIDE BUILDINGS AND A PARKING LOT TO THE NORTH OF THE ALLEY. FOR AN INNOVATIVE PILOT PROJECT DESIGNED TO UTILIZE FUGITIVE FLOWS FROM THE 66-INCH STORM SEWER LOCATED IN 3RD STREET. A SMALL CURB WILL BE CONSTRUCTED IN THE EXISTING STORM SEWER LEGEND THE SITE IS CURRENTLY VACANT AND DRAINS FROM THE NORTHEAST TO THE TO POOL NON-STORM WATER THAT IS FOUND IN THE PIPE DURING LONG PERIODS WITHOUT RAIN. THAT SOUTHWEST. THE SITE CURRENTLY GENERATES A 100-YR, 6-HR PEAK WATER WILL BE PUMPED TO A SETTLING TANK LOCATED UNDER THE SIDEWALK ON THE NORTHWEST FLOW OF 2.23 CFS RESULTING IN 0.064 AC-FT OF RUNOFF VOLUME AS CORNER OF THE BUILDING. THIS TANK WILL BE ACCESSIBLE VIA A MANHOLE SO THAT AMAFCA CAN SHOWN IN THE TABLE BELOW. THE STORM WATER SHEET FLOWS OVER THE MONITOR FLOW AND REMOVE ANY DEBRIS THAT IS CLEANED FROM THE FUGITIVE FLOWS. THE WATER THAT SIDEWALK AND INTO THE STREET GUTTER WHERE IT IS COLLECTED IN AN IS PUMPED TO THE SETTLING TANK WILL BE PUMPED TO THE NORTH EAST CORNER OF THE BUILDING AND EXISTING DROP INLET. THERE ARE NO OFF-SITE FLOWS THAT ENTER THIS ROUTED THROUGH THE TREE WELLS ALONG 2ND STREET AND SILVER AVENUE. IT WILL ALSO BE PUMPED SITE NOR IS THIS SITE LOCATED IN A FLOOD PLAIN AS SHOWN ON FIRM MAP UP TO THE TREE WELLS ALONG 3RD STREET. THIS WATER WILL BE ALLOWED TO PERCOLATE IN THE TREE WELLS AND ANY OVERFLOW WILL BE DIVERTED BACK TO THE STORM SEWER VIA THE DROP INLET LOCATED #35001C0334G. AT THE CORNER OF 3RD STREET AND SILVER AVENUE. Weighted E Method BASIN 1 CONSISTS OF THE BUILDING WHICH WILL CONTAIN A ROOF TOP GARDEN. ALL OF THE STORM On-Site Basins

Weighted E Volume

(ac-ft)

0.070

0.029

0.004

1.392 0.003 0.09

0.12

0.280 0.023 0.93

(ac-ft)

1.340

1.340

Weighted E Volume

0.780 0.064

2.233 0.005

(ac-ft)

0.046

0.007

0.169

0.38

0.95

1.71

3.14

0.19

0.14

4.52

(ac-ft)

2.120

2.120

Peak Discharge (cfs/acre)

Zone 2 | 100-Year | 10 - Year

1.56

2.28

3.14

4.70

Treatment C

% (acres) % (acres) % (acres) % (acres)

cess Precipitation, E (inch

Zone 2 | 100-Year | 10 - Year

E<sub>d</sub> 2.12 1.34

0.53 0.13

0.78 0.28

1.13 0.52

0.00

0.00

0.00

Ex. Basin 1

Basin 3

Equations:

28,354

11,301

1,728

1,192

Volume = Weighted D \* Total Area

Flow = Qa \* Aa + Qb \* Ab + Qc \* Ac + Qd \* Ad

Weighted E = Ea\*Aa + Eb\*Ab + Ec\*Ac + Ed\*Ad / (Total Area)

0.65 0%

0.03 0%

0%

0%

0.26

0.04

Treatment D

0.04

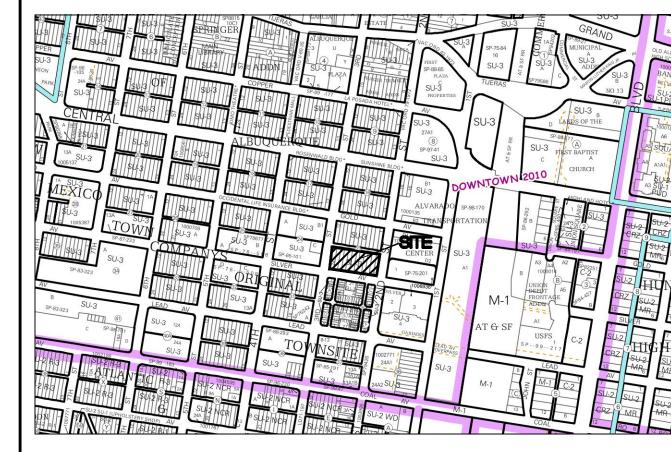
 $Q_d$ 

0% 0.00 0% 0.00

0% 0.00 100%

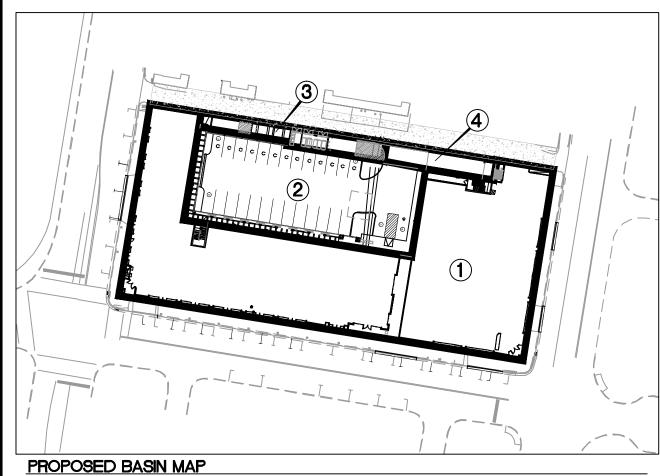
0% 0.00 100%

10% 0.00 100% 0.03



**VICINITY MAP** 





35001C0334G

Buildinç Avenue S\

		CURB & GUTTER	•	<b>EXISTING</b>	POWER POLE
<u> </u>		BOUNDARY LINE	<b>@</b>	EXISTING	GAS VALVE
		EASEMENT	U	EXISTING	OVERHEAD UTILITIES
-		SIDEWALK	G	EXISTING	GAS
		EXISTING CURB & GUTTER	——— EX. 8" SAS	EXISTING	SANITARY SEWER LINE
	•	SINGLE CLEAN OUT	— — — EX. WL— — — —	EXISTING	WATER LINE
	œ	DOUBLE CLEAN OUT	— · — EX. RCP— · —	EXISTING	STORM SEWER LINE
	Ö	EXISTING SD MANHOLE	<b>——</b> 4900 <b>——</b>	EXISTING	INDEX CONTOUR
	Ŝ	EXISTING SAS MANHOLE		EXISTING	CONTOUR
		EXISTING FIRE HYDRANT			ENGINEER'S

CAUTION:

EXISTING WATER METER

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.

SEAL RONALD R. BOHANNAN P.E. #7868

DEKKER PERICH SABATINI

ARCHITECTURE / DESIGN / INSPIRATION

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ARCHITECT

TIERRA WEST, LLC 5571 MIDWAY PARK PL NE ALBUQUERQUE, NEW MEXICO 87109 (505) 858-3100 www.tierrawestllc.com

**ENGINEER** 

PROJECT

**0**≥80 Imperial E 205 Silver Av Albuquerque,

REVISIONS DRAWN BY **REVIEWED BY** 8-28-14

DRAWING NAME CONCEPTUAL **GRADING AND** DRAINAGE PLAN

SHEET NO.

PROJECT NO.

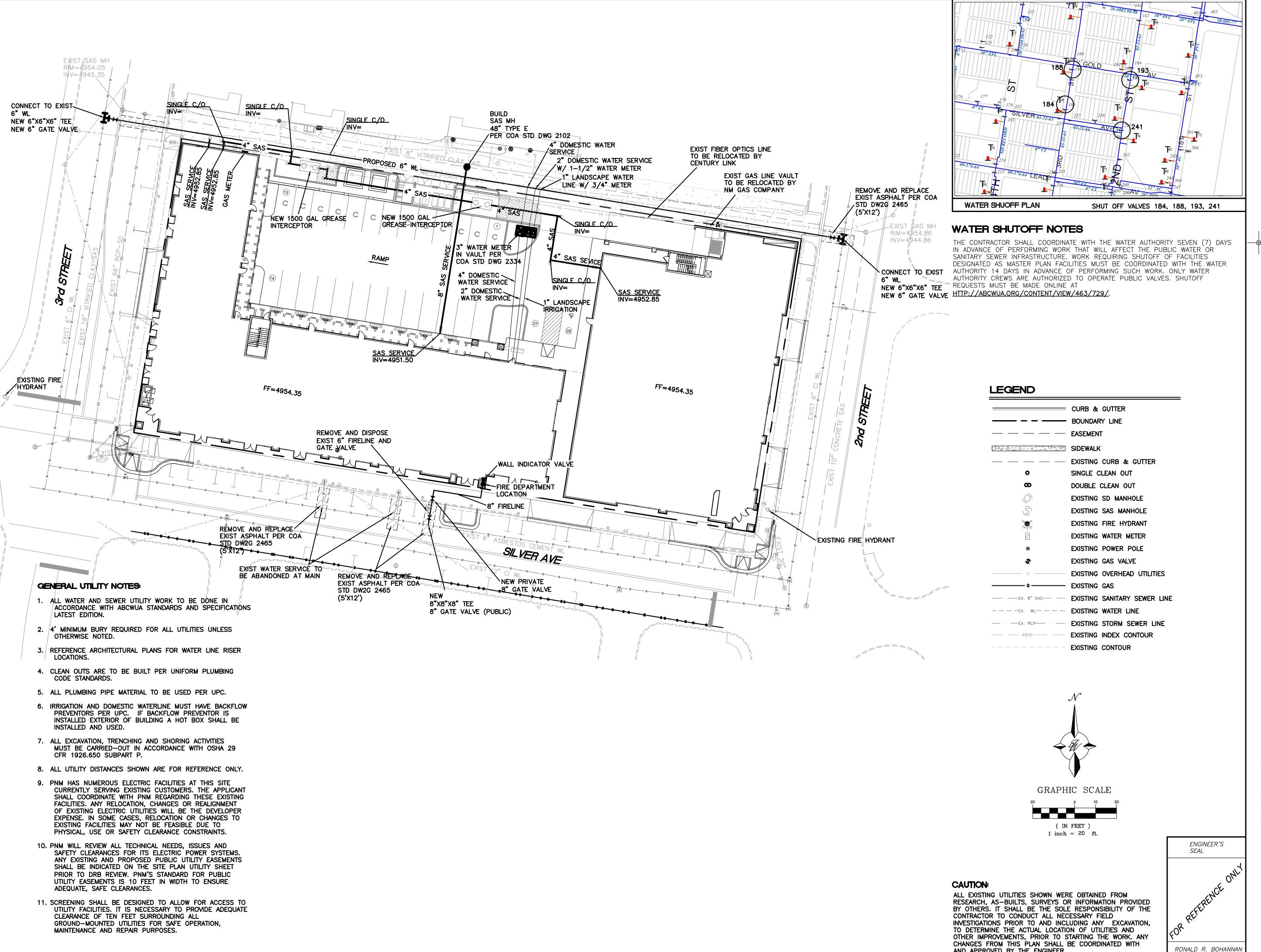
14-0064

RUNOFF WILL BE COLLECTED WITH ROOF DRAINS AND ROUTED TO A CISTERN LOCATED IN THE UNDERGROUND GARAGE AREA. THE CISTERN IS SIZED TO HOLD 34,000 GALLONS WHICH IS THE DIFFERENCE IN RUNOFF BETWEEN THE DEVELOPED AND UNDEVELOPED CONDITIONS. THE WATER COLLECTED IN THE CISTERN WILL BE USED TO WATER VARIOUS LANDSCAPING FEATURES AS WELL AS THE ROOF TOP GARDEN. SINCE BASIN 1 GENERATES A PEAK FLOW OF 2.98 CFS WITH 0.111 AC-FT (36,167 GALLONS) OF VOLUME, THE REMAINING 2,167 GALLONS WILL BE ALLOWED TO OVERFLOW FROM THE CISTERN TO THE EXISTING DROP INLET LOCATED AT THE CORNER OF 2ND STREET AND SILVER AVENUE.

BASIN 2 CONSISTS OF THE PARKING AREA BEHIND THE BUILDING THAT INCLUDES THE RAMP DOWN TO THE UNDERGROUND PARKING GARAGE. THOSE FLOWS, 1.22 CFS WITH 0.046 AC-FT (14,988 GALLONS) OF VOLUME WILL BE COLLECTED BY A TRENCH DRAIN AT THE BOTTOM OF THE RAMP AND THEN PUMPED UP TO THE SAME SETTLING TANK LOCATED ON 3RD STREET THAT IS ALSO COLLECTING FUGITIVE FLOWS FROM THE STORM SEWER. THAT WATER IS ALSO ROUTED THROUGH THE TREE WELLS AND ALLOWED TO OVERFLOW BACK INTO THE STORM SEWER. THE 14,988 GALLONS EXCEEDS THE FIRST FLUSH REQUIREMENT OF 0.036 AC-FT (11,677 GALLONS) THUS MEETING THE CITY DRAINAGE ORDINANCE.

BASIN 3 CONSISTS OF AN AREA LONG THE ALLEY THAT WILL CONTAIN RECYCLING BINS AND PARKING. THOSE FLOWS, 0.19 CFS WILL FLOW INTO THE ALLEY AND EVENTUALLY INTO THE DROP INLET LOCATED AT 3RD STREET AND SILVER AVENUE.

BASIN 4 CONSISTS OF ENTRANCE AND TRUCK WELL. THOSE FLOWS, 0.14 CFS GENERATING 0.005 AC-FT (1,629 GALLONS) OF VOLUME WILL BE COLLECTED IN THE SUMP OF THE TRUCK WELL AND PUMPED TO THE TREE WELLS LOCATED ALONG 2ND STREET.



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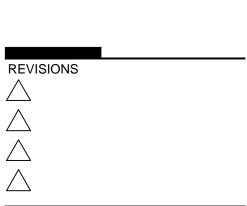
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**ENGINEER** 

PROJECT

**p**≷0 Building Avenue SV e, NM 871



DRAWN BY **REVIEWED BY** DATE 7-31-14

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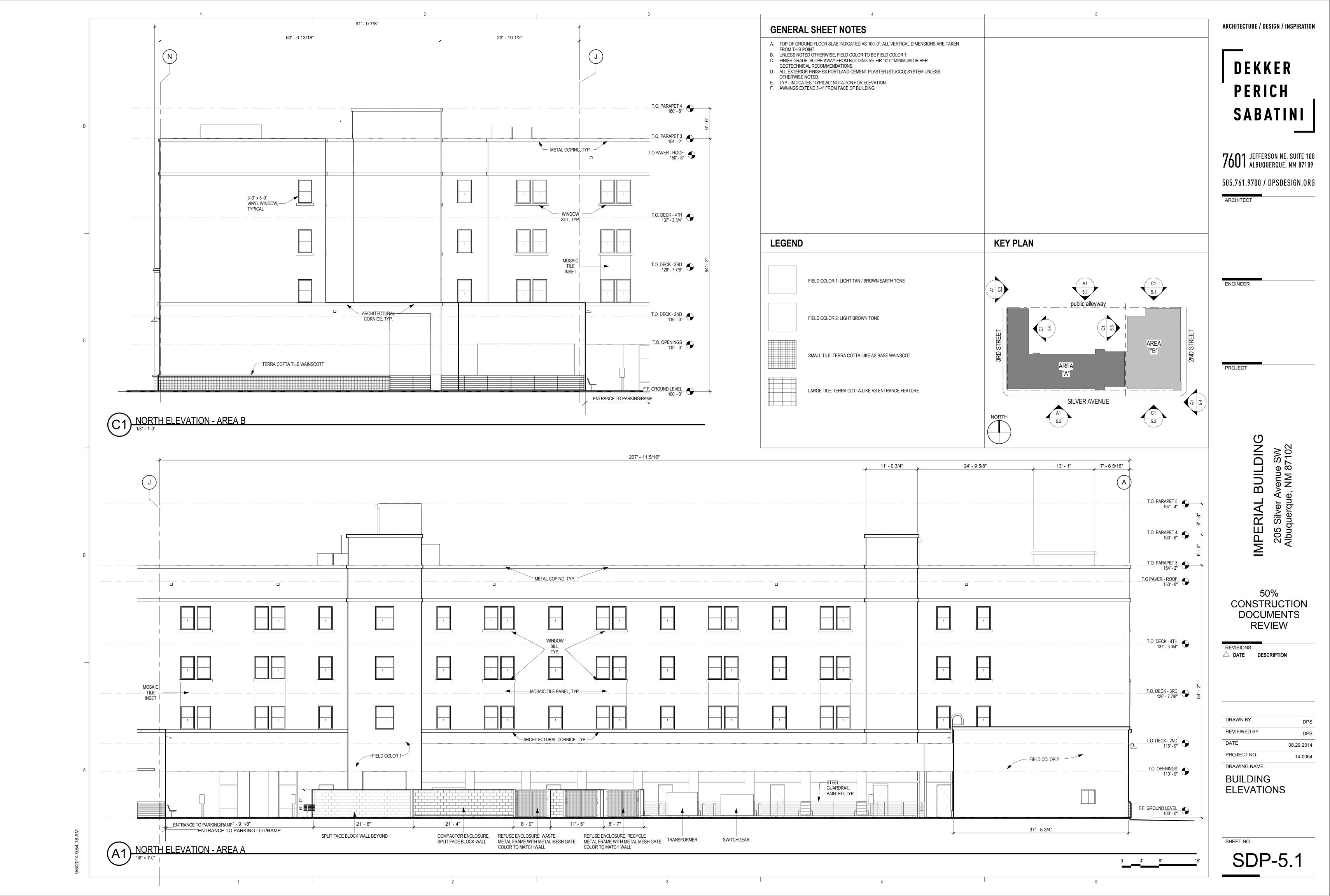
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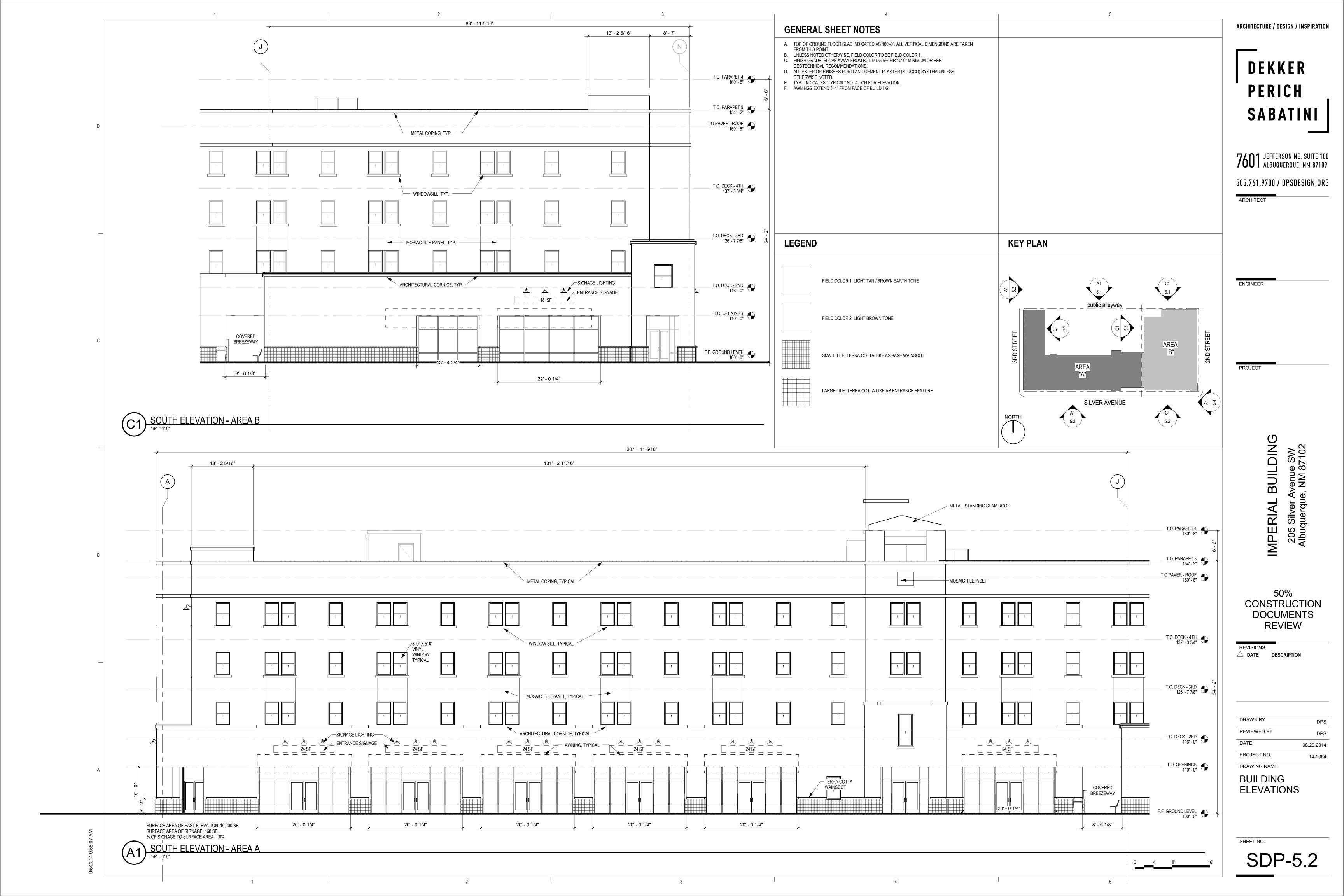
CONCEPTUAL MASTER UTILITY PLAN

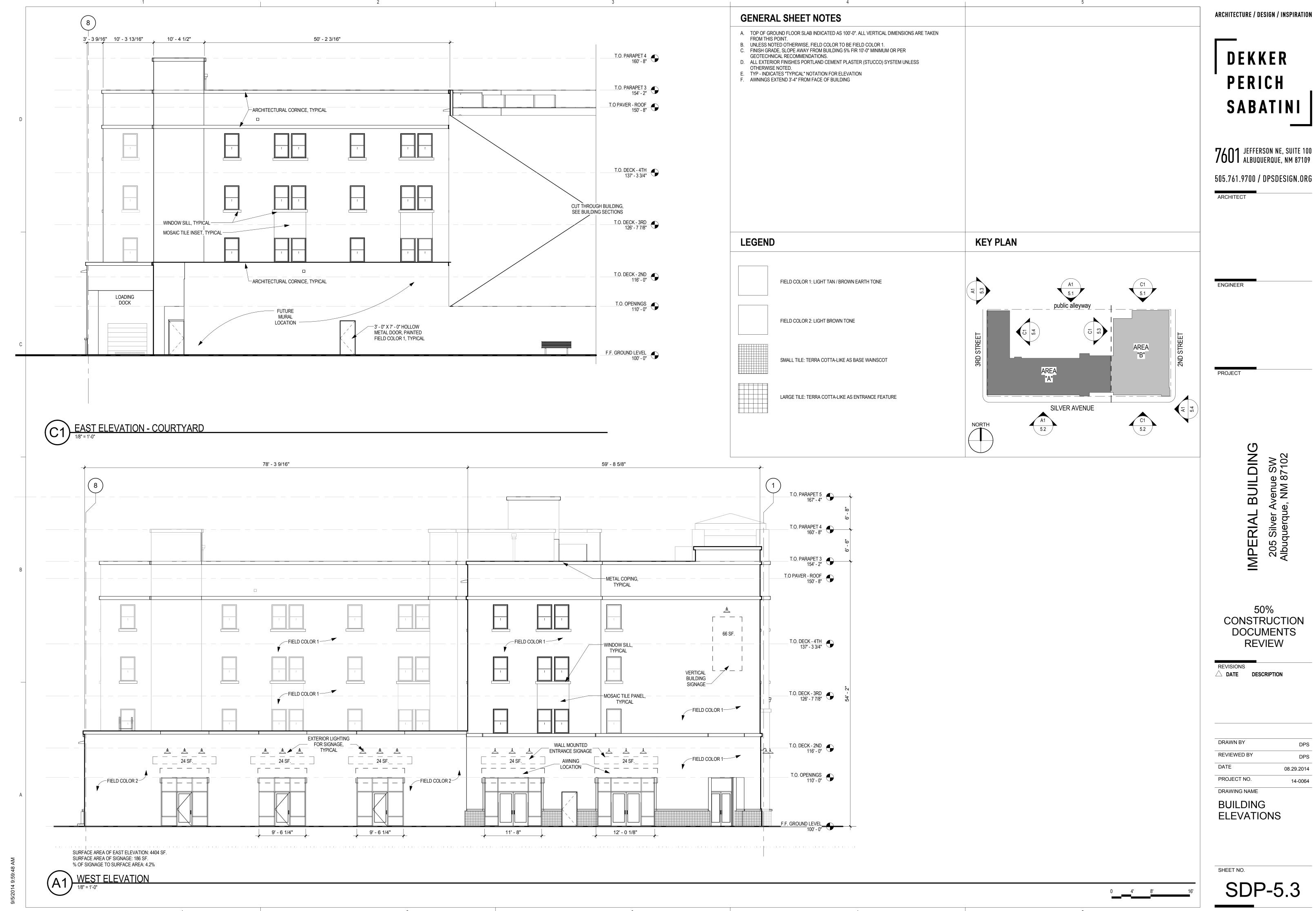
SHEET NO.

P.E. #7868

AND APPROVED BY THE ENGINEER.

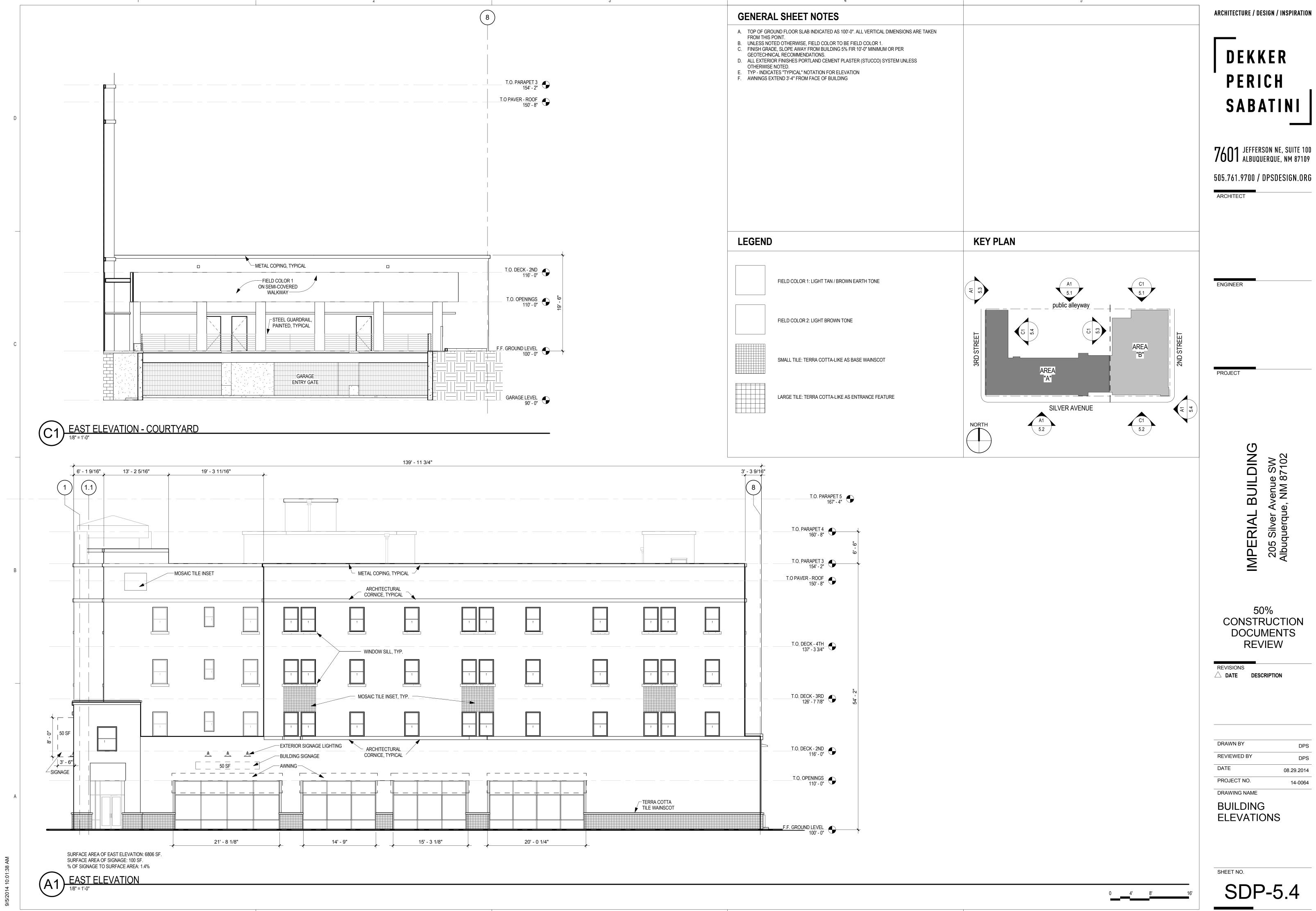






SABATINI

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