PROJECT RAPTOR

2305 MISSION COLLEGE BOULEVARD   SANTA CLARA, CALIFORNIA 95054

PROJECT TEAM

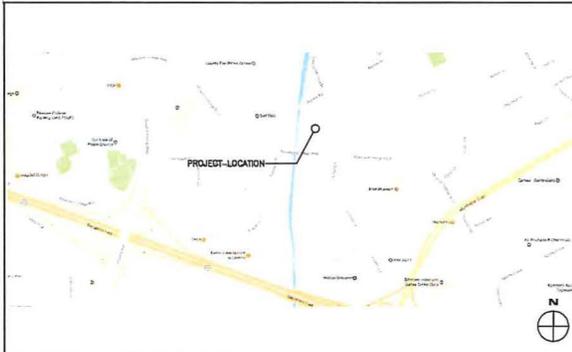| CLIENT	GENERAL CONTRACTOR	ARCHITECT	STRUCTURAL ENGINEER	MECHANICAL ENGINEER	ELECTRICAL ENGINEER	CIVIL ENGINEER	LANDSCAPE ARCHITECT	GEOTECH ENGINEER
ALIGNED DATA CENTERS LLC 60 Backus Avenue Danbury, CT 06810	SKANSKA USA BUILDING INC 1999 HARRISON ST #1950 OAKLAND, CA 94612 TEL: 510-255-1804 BEN FINNEY	CAC ARCHITECTS 400 BRANNAN STREET, SUITE NO. 1 SAN FRANCISCO, CA 94107 TEL: 415-402-0000 TED MAHL	PEOPLES ASSOCIATES STRUCTURAL ENGINEERS 1998 TAROB CT MILPITAS, CA 95035 TEL: 408-457-9220 MATT KNUTSEN	SOUTHLAND INDUSTRIES MECHANICAL ENGINEERS 33225 WESTERN AVENUE UNION CITY, CA 94587 TEL: 510 477 3300 TONY SHAKOURI	ALFATECH 1321 RIDDER PARK DR #50 SAN JOSE, CA 95131 TEL: 408 487 1200 MARK FISHER	KIER & WRIGHT 3350 SCOTT BLVD #22 SANTA CLARA, CA 95054 TEL: 408-727-6665 NEKTARIOS MATHEOS	TANIGUCHI LANDSCAPE ARCITECTURE 1013 SOUTH CLAREMONT SAN MATEO, CA 94402 TEL: 650-838-9980 DENNIS TANIGUCHI	CORNERSTONE EARTH GROUP GEOTECHNICAL 1270 SPRINGBROOK ROAD STE. 101 WALNUT CREEK, CA TEL: 925 988 9600 MATTHEW SHAFFER

PROJECT DATA

SCOPE OF WORK

New 2 level, 495,610 SF data center on a 15.7 acre site bordered by Mission College Boulevard, San Tomas Creek, Agnew Road and existing commercial buildings. The site development includes a generator yard, equipment yard, underground water storage and parking for 71 cars. Part of the site will be used for a Silicon Valley Power substation that will be dedicated to this project.

The building plan includes two data room floors, an equipment mezzanine level serving Level 1, infrastructure for a future second equipment mezzanine supporting Level 2, an equipment platform above the building roof and ancillary office space, loading docks and storage areas.

ZONING DISTRICT   ML (LIGHT INDUSTRIAL)
HEIGHT LIMIT   70'

TYPE OF CONSTRUCTION:	IIB
NUMBER OF STORIES	2
HEIGHT (TOP OF ROOF)	58'-1" +/-
LEVEL 1	201,489 SF
LEVEL 1 MEZZANINE	46,329 SF
LEVEL 2	202,870 SF
LEVEL 2 MEZZANINE	44,922 SF
TOTAL	495,610 +/-
TOTAL SITE AREA	15.7 ACRES (684,990 +/- SF)
FAR	.72

DRAWING INDEX

ARCHITECTURAL

A0.0	COVER SHEET & PROJECT DATA
A0.1	ARCHITECTURAL SITE PLAN
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A1.2	LEVEL 1 MEZZANINE PLAN
A2.1	LEVEL 2 PLAN
A2.2	LEVEL 2 MEZZANINE PLAN
A3.0	SECTION
A7.1	ELEVATIONS
A7.2	DETAILS/PERSPECTIVES
A8.0	ALTERNATE PARKING PLAN

CIVIL

C1.0	TOPOGRAPHIC SURVEY
C2.0	OVERALL SITE PLAN
C3.0	FIRE ACCESS PLAN
C4.0	GRADING AND DRAINAGE PLAN
C5.0	UTILITY PLAN
C6.0	STORMWATER CONTROL PLAN
C6.1	STORMWATER CONTROL DETAILS

LANDSCAPE

L-1	SCHEMATIC LANDSCAPE PLAN
L-2	IRRIGATION HYDROZONE PLAN
L-3	IRRIGATION HYDROZONE PLAN

ELECTRICAL

E.1	SITE LIGHTING PLAN

VICINITY MAP

PROJECT LOCATION

OVERALL AREA RENDERING

MAIN ENTRANCE RENDERING

AGNEW ROAD

SCREEN WALL

SECONDARY ENTRY

KNOX BOX MOUNTED ON WALL

SUBSTATION ENTRY (SVP ONLY)

EQUIPMENT YARD

PARKING COUNT: 71 TOTAL1
1 VAN-ACCESSIBLE SPACE
3 ACCESSIBLE SPACES
69 STANDARD SPACES
(STANDARD SPACES INCLUDE
2 EV STATIONS)

10.00' UNDERGROUND ELECTRIC ESMT. (416 M 16)

6' CHAIN LINK FENCE, TYP.

33.00' UNDERGROUND ELECTRIC EASEMENT (448 M 14)

SVP SUBSTATION

MAIN ENTRY

BIOSWALE, TYP.

TWO LEVEL
DATA CENTER BUILDING

NITROGEN PIPELINE ESMT. AREA (N659 O.R. 1663)

15.00' SANITARY SEWER EASEMENT (DOC. NO. 14850876)

SAN TOMAS CREEK

GENERATOR YARD

20' EMERG. ACCESS

10.00' UNDERGROUND ELECTRIC ESMT. (416 M 16)

SECURITY GATES

TURN-AROUND

UNDERGROUND ELECTRIC EASEMENT (448 M 14)

H20 VAULT

TRANSFMR. SCREEN, TYP.

TRANSFORMER, TYP.

WEST SCREEN WALL GENERATOR YARD, 26' HIGH

GATE (EMERGENCY AND SERVICE ACCESS ONLY)

ENCROACHMENT AREA AGREEMENT FOR SIGN (DOC. NO.150/7015)

METAL OVER MASONRY SCREEN WALL 21' HIGH U.O.N.

PROPERTY LINE, TYP.

MAIN ENTRY

METAL ARCHITECTURAL FENCE, TYP.

BUS STOP (E)

MISSION COLLEGE BOULEVARD

JULIETTE LANE

PROJECT TEAM

AGENCY APPROVAL

PROJECT

ALIGNED

ALIGNED DATA CENTERS

PROJECT RAPTOR

2305 MISSION COLLEGE BLVD
SANTA CLARA, CA, 95054

CAC PROJECT NO.	11222

REVISIONS
1 RESPONSE TO PCC COMMENTS 05/09/17

KEY PLAN & NORTH ARROW

DATE	02-21-2017
SCALE	1/32" = 1'-0"

DRAWING TITLE

LEVEL 1 PLAN

SHEET NO.

A1.1

① Level 1
1/32" = 1'-0"

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DRAWING TITLE

LEVEL 1 MEZZANINE PLAN

SHEET NO.

A1.2

MMR 2 BELOW

TENANT STOR. BELOW

CORRIDOR BELOW

CDU GALLERY BELOW

DATA HALL 3 BELOW

CDU GALLERY BELOW

DATA HALL 1 BELOW

CDU GALLERY BELOW

PDU GALLERY

CORRIDOR BELOW

CDU GALLERY BELOW

DATA HALL 4 BELOW

CDU GALLERY BELOW

DATA HALL 2 BELOW

CDU GALLERY BELOW

CORRIDOR BELOW

EL

1 Mezzanine 1
1/32" = 1'-0"

Level 2
1/32" = 1'-0"

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DATE	02-21-2017
SCALE	1/32" = 1'-0"

DRAWING TITLE

LEVEL 2 PLAN

SHEET NO.

A2.1

PROJECT TEAM

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REVISIONS

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KEY PLAN & NORTH ARROW

DATE	02-21-2017
SCALE	1/32" = 1'-0"

DRAWING TITLE

LEVEL 2 MEZZANINE PLAN

SHEET NO.

A2.2

Mezzanine 2
1/32" = 1'-0"

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SCALE	1/32" = 1'-0"

DRAWING TITLE

EQUIPMENT PLATFORM PLAN

SHEET NO.

A2.3

1/32" = 1'-0"

Mech. Pad

Section
1/16" = 1'-0"

Grid lines: 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1

Level markers (right side):
High Parapet 70' - 0"
Mech. Pad
Low Parapet 60' - 0"
DATA 56' - 0"
BEARING 50' - 0"
OFFICE ROOF BEARING
40' - 6" Mezzanine 2
37' - 6"
Level 2 29' - 0"
Mezzanine 1 12' - 6"
Level 1 0' - 0"

Room labels:
STORAGE, CORRIDOR, CDU GALLERY, DATA HALL 5, CDU GALLERY, DATA HALL 7, CDU GALLERY, CORRIDOR, STOR.
CDU GALLERY, PDU GALLERY
MMR 1, CORRIDOR, CDU GALLERY, DATA HALL 1, CDU GALLERY, DATA HALL 3, CDU GALLERY, CORRIDOR, STOR.

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DATE	02-21-2017
SCALE	1/16" = 1'-0"

DRAWING TITLE
BUILDING SECTION

SHEET NO.
A3.0

Scale bars (left margin):
3" = 1'-0"
1-1/2" = 1'-0"
1" = 1'-0"
3/4" = 1'-0"
1/2" = 1'-0"
3/8" = 1'-0"
1/4" = 1'-0"
1/8" = 1'-0"

South Elevation (1)

PRECAST CONCRETE PANEL, TYP.

METAL PANEL, COPPER, TYP.   EXTERIOR LIGHT, TYP.   MECHANICAL SCREEN, COPPER, TYP.

METAL TOP TO SCREEN WALL VARIES IN HEIGHT   CONCRETE SCREEN WALL

11 10 9 8 7 6 5 4 3 2

High Parapet 70'-0"
Mech. Pad 60'-0"
Low Parapet 56'-6"
DATA ROOF BEARING 50'-0"
Mezzanine 2 37'-6"
Level 2 25'-0"
Mezzanine 1 12'-6"
Level 1 0'-0"

PERPENDICULAR METAL FIN, TYP.   SPANDREL GLASS, TYP.   PERPENDICULAR METAL FIN, TYP.

(1) South 3/64" = 1'-0"

East Elevation (2)

MECHANICAL SCREEN, COPPER, TYP.   CONCRETE PRECAST PANEL, TYP.   EXTERIOR LIGHT, TYP.   SPANDREL GLASS, TYP.

X W V U T S R Q P N M L K J H G F E D C B A

High Parapet 70'-0"
Mech Pad 60'-0"
Low Parapet 56'-6"
DATA ROOF BEARING 50'-0"
OFFICE ROOF BEARING 40'-6"
Mezzanine 2 37'-6"
Level 2 25'-0"
Mezzanine 1 12'-6"
Level 1 0'-0"

PROPERTY FENCE, METAL, TYP.   PERPENDICULAR METAL FIN, TYP.

(2) East 3/64" = 1'-0"

North Elevation (3)

MECHANICAL SCREEN, COPPER, TYP.   PRECAST CONCRETE PANEL, TYP.

1 2 3 4 5 6 7 8 9 10 11

High Parapet 70'-0"
Mech. Pad 60'-0"
Low Parapet 56'-6"
DATA HUB BEARING 50'-0"
OFFICE ROOF BEARING 40'-6"
Mezzanine 2 37'-6"
Level 2 25'-0"
Mezzanine 1 12'-6"
Level 1 0'-0"

CONCRETE SCREEN WALL   METAL TOP TO SCREEN WALL, VARIES IN HEIGHT

(3) North 3/64" = 1'-0"

West Elevation (4)

SPANDREL GLASS, TYP   COPPER PANELS, TYP.   VISION GLASS, TYP.   PRECAST PANELS, TYP.   EXTERIOR LIGHT, TYP.

A B C D E F G H J K L M N P Q R S T U V W X

High Parapet 70'-0"
Mech. Pad 60'-0"
Low Parapet 56'-6"
DATA ROOF BEARING 50'-0"
OFFICE ROOF BEARING 40'-6"
Mezzanine 2 37'-6"
Level 2 25'-0"
Mezzanine 1 12'-6"
Level 1 0'-0"

ENTRY CANOPY, COPPER FACADE   EXTERIOR LIGHT MOUNTED ON ANGLE WALL, TYP.   BALCONY   GLASS GAURDRAIL   DARK GRAY STRIPE   LIGHT GRAY STRIPE

(4) West 3/64" = 1'-0"

STANDARD= 9'X18'

COMPACT= 8'X16'

AISLE= 26'

FUTURE PARKING TOTALS:
STANDARD: +/- 405
COMPACT: +/- 100
TOTAL: +/- 504

PROPOSED BUILDING

COMPACT 16' x 8'

STANDARD 18' x 9'

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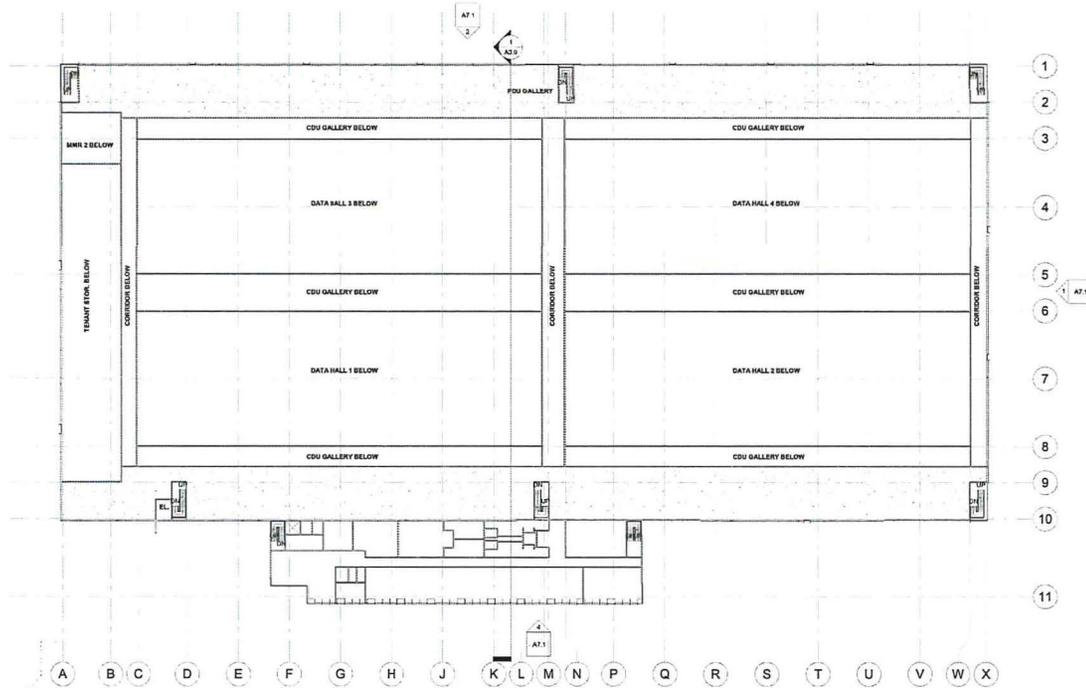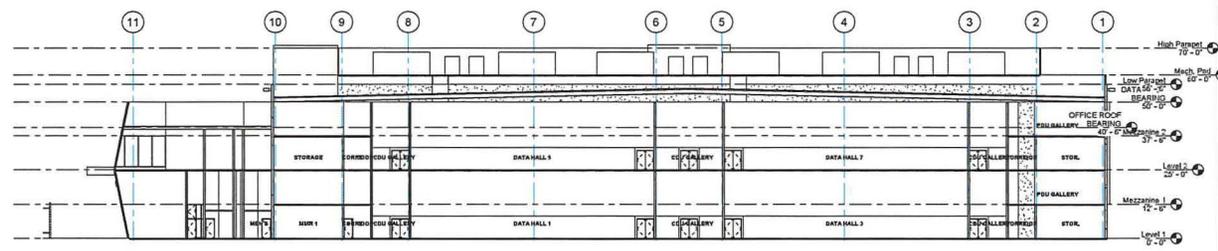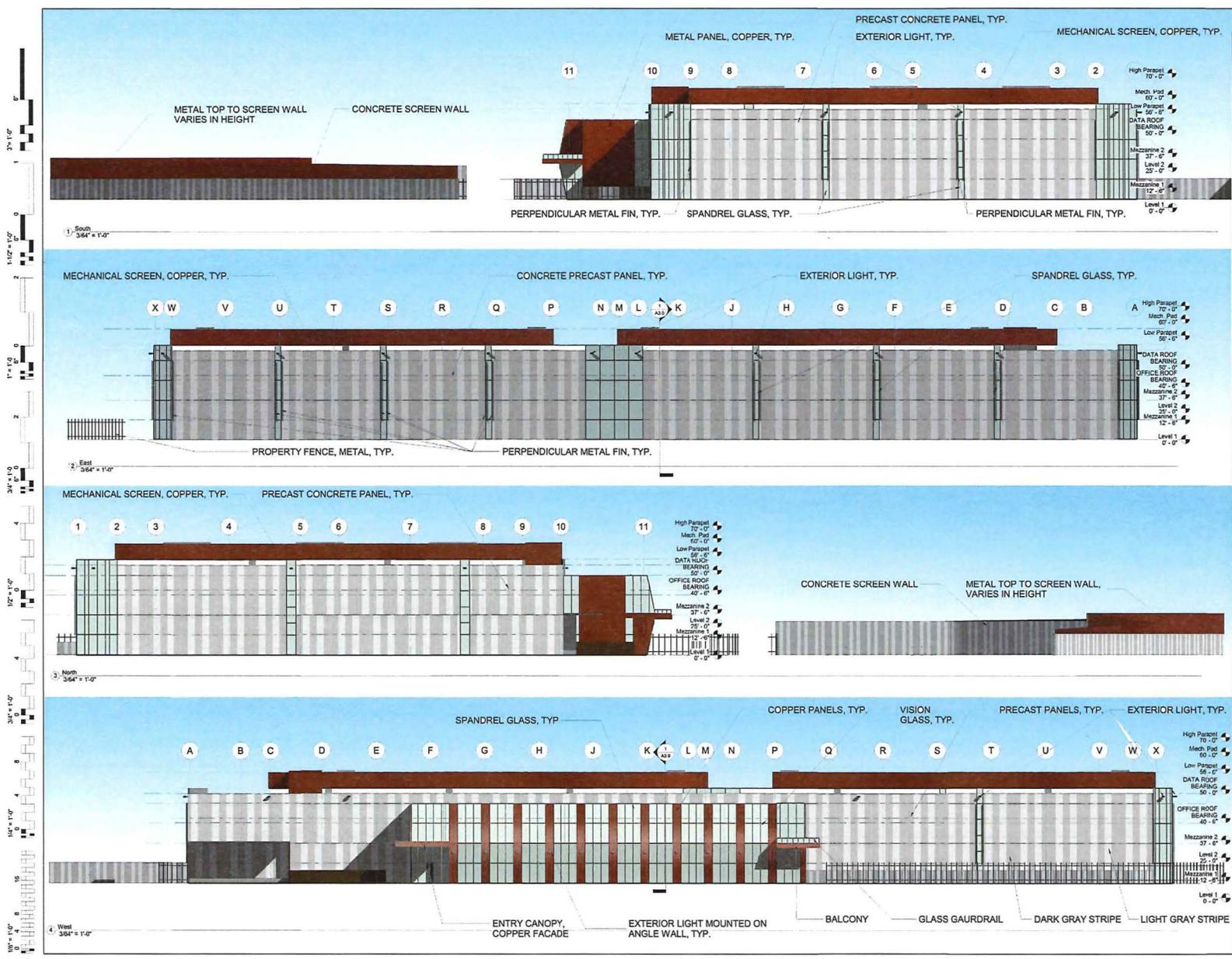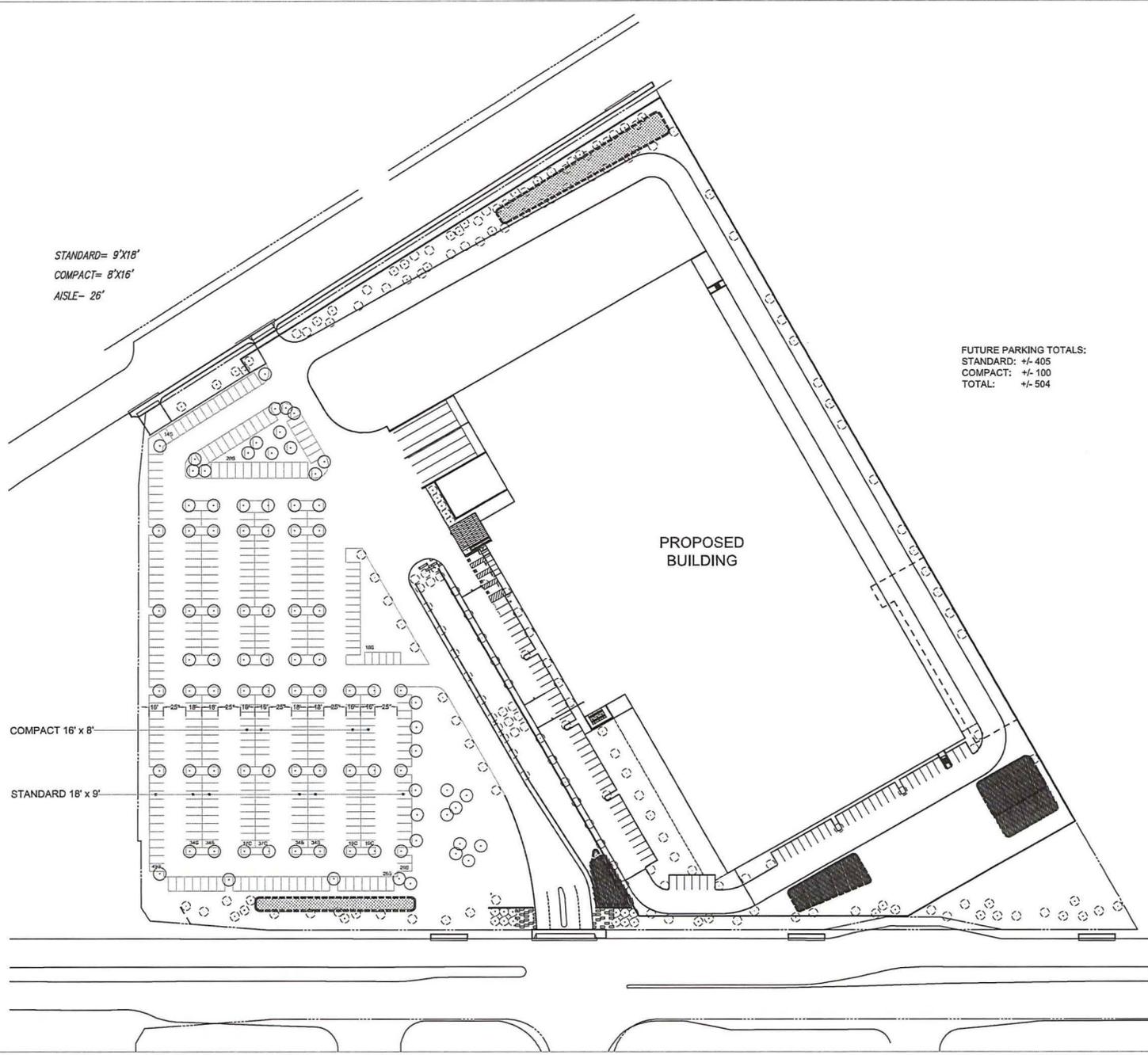
KEY PLAN & NORTH ARROW

DATE   2017-05-09
SCALE
DRAWING TITLE

ALTERNATE PARKING PLAN

SHEET NO.

A8.0