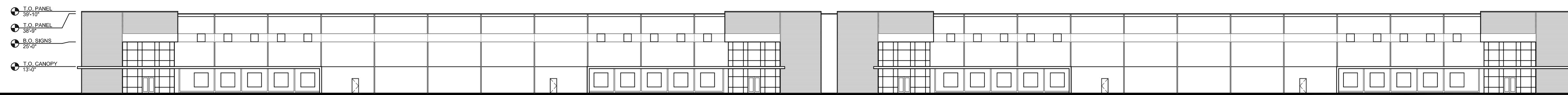


Opus A & E - I:\31150 - Longbow Business Park at Falcon Field\Design\Arch\Bases-Drawings\31150 - Longbow Industrial-Elevations

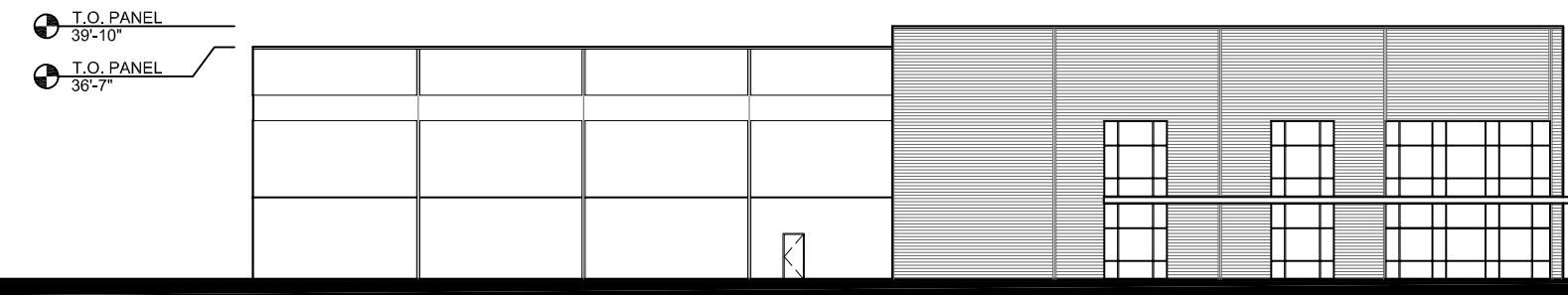
PLOT DATE: January 27, 2017 - 9:41am



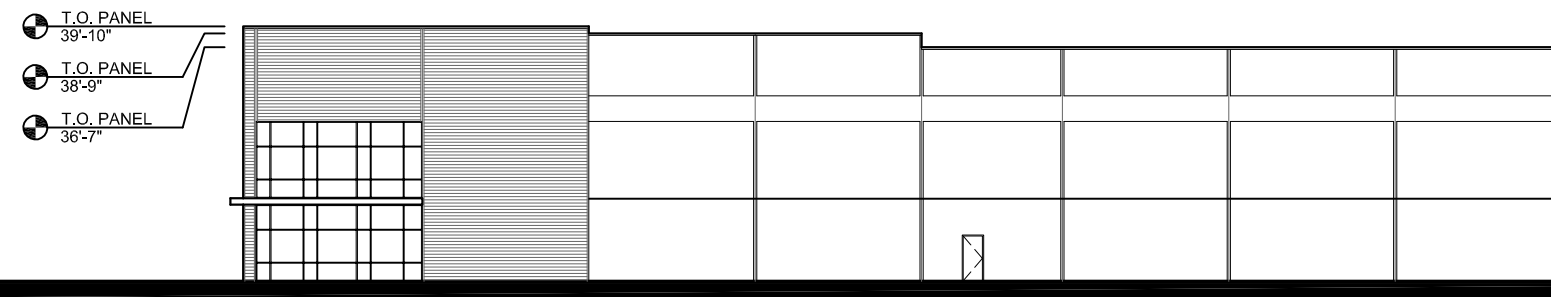
1 WEST ELEVATION
1" = 30'



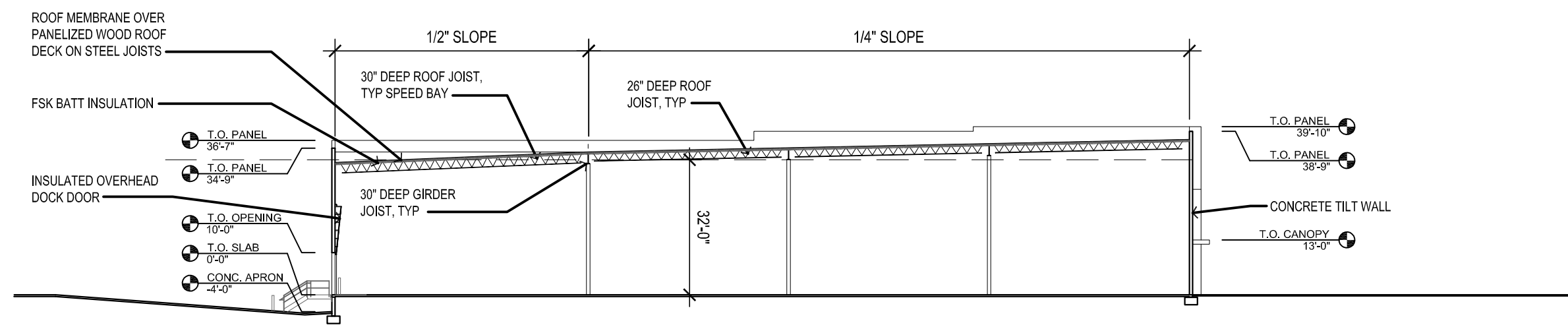
2 EAST ELEVATION
1" = 30'



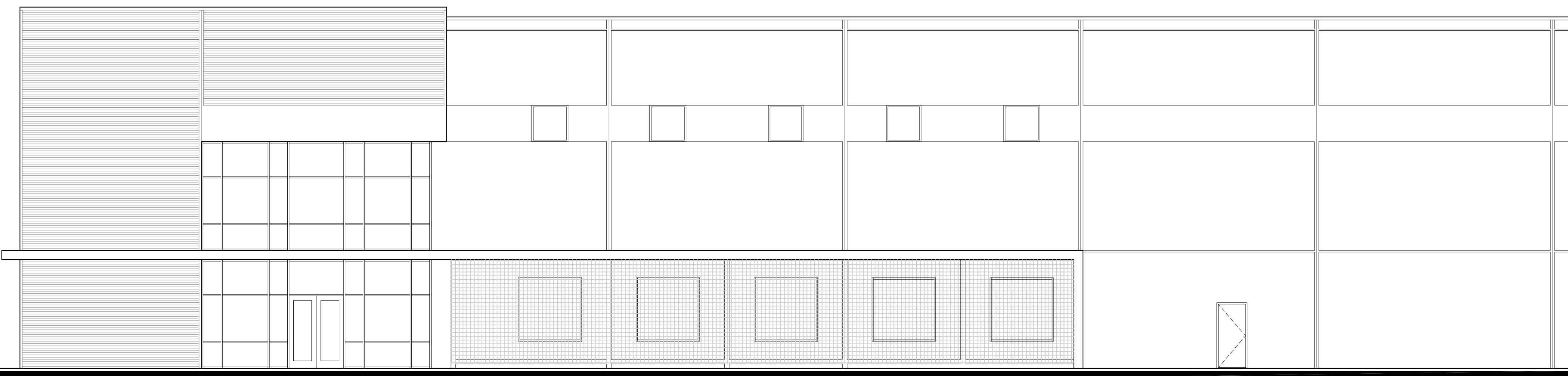
3 NORTH ELEVATION
1" = 30'



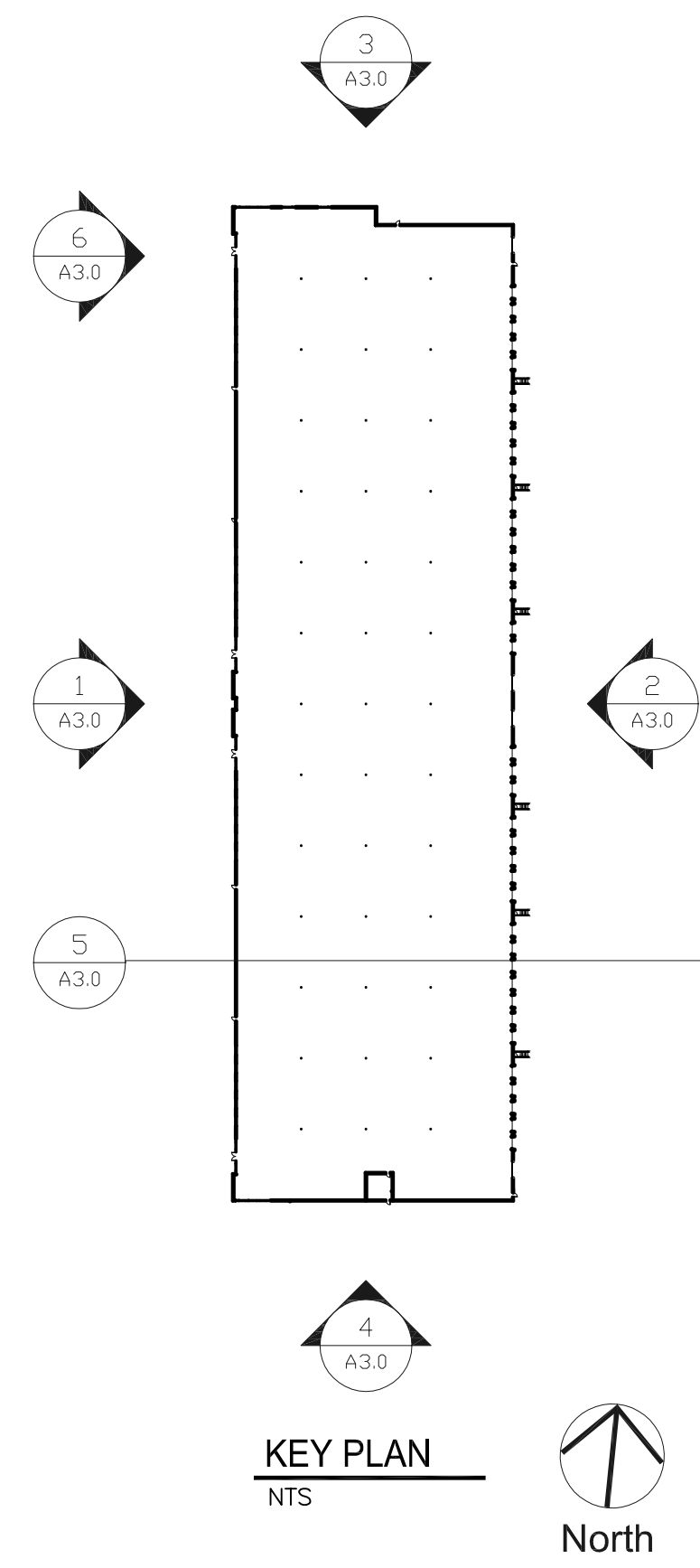
4 SOUTH ELEVATION
1" = 30'



5 BUILDING SECTION
1" = 30'



6 ENLARGED WEST ELEVATION
1/8" = 1'



Opus AE Group, L.L.C.
10350 Bren Road West
Minnetonka, MN 55343-0110
952-656-4444

Opus Design Build, L.L.C.
5700 Higgins Road
Chicago, IL 60668
847-892-4444

CONSULTANT

PROJECT
Longbow Business Park at Falcon Field

LOCATION
MESA, AZ

PROJECT NUMBER
31150

ISSUE RECORD

DATE
01.30.2017
PROJECT MANAGER
R. ENSLEY
DRAWN BY
M. ETCHESON
CHECKED BY

REGISTRATION

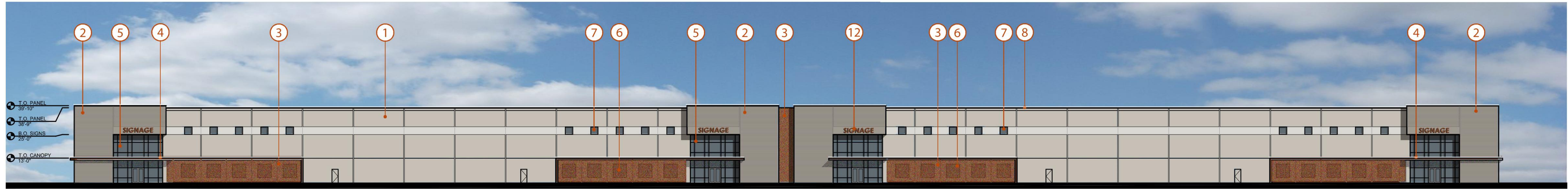


SHEET TITLE

EXTERIOR ELEVATIONS

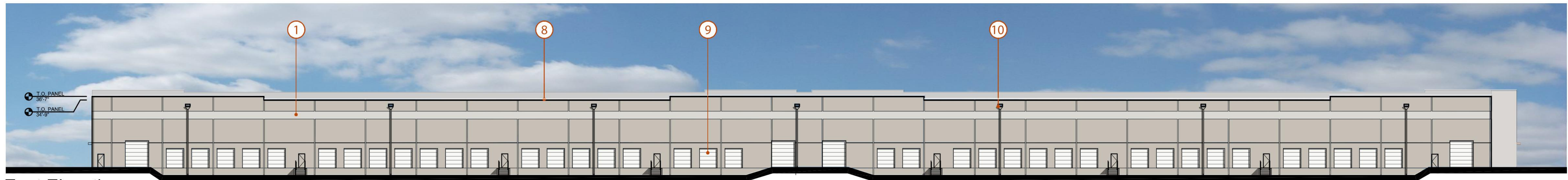
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A3.0



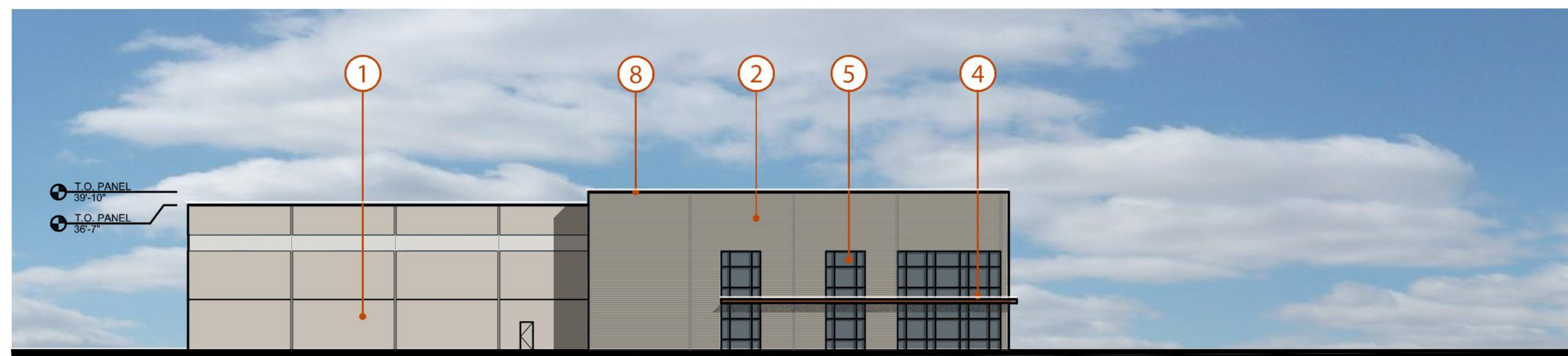
West Elevation

Scale: 1" = 25'



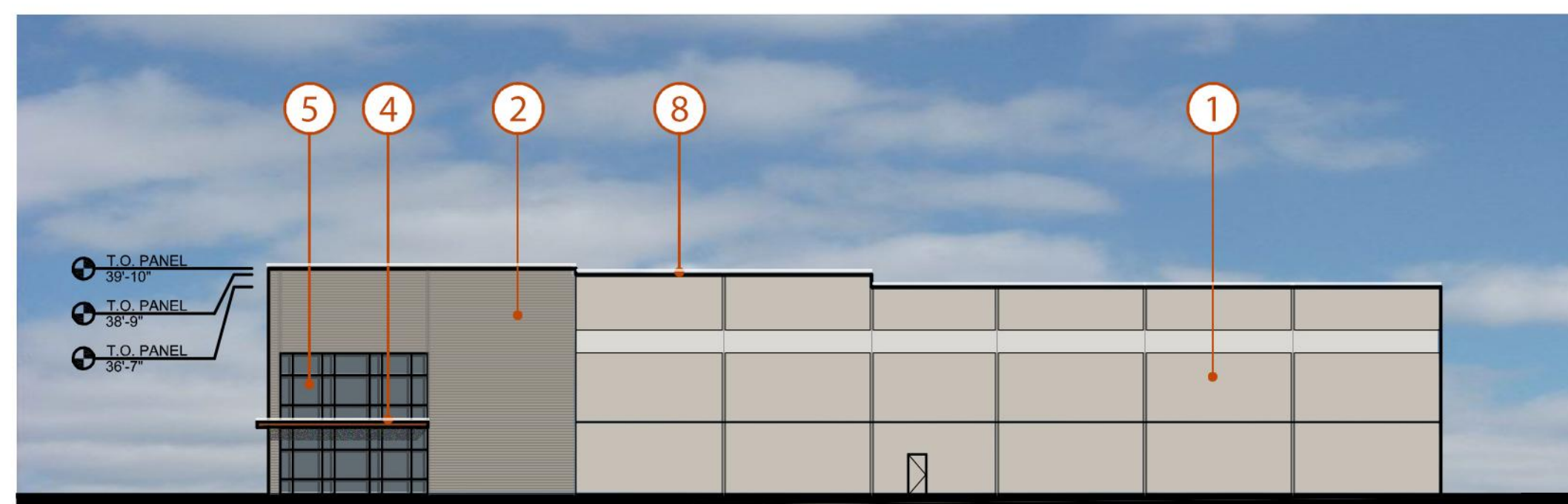
East Elevation

Scale: 1" = 25'



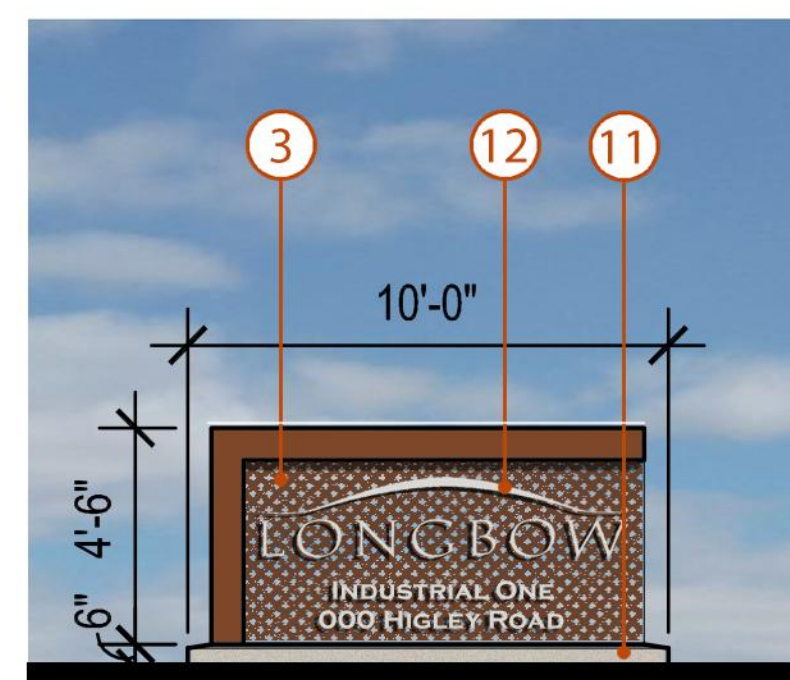
North Elevation

Scale: 1" = 25'



South Elevation

Scale: 1" = 25'



Monument Sign Elevation

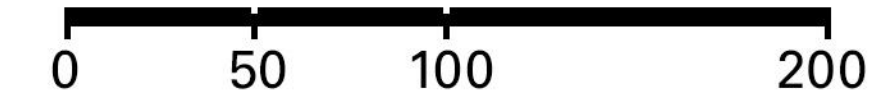


Enlarged Partial West Elevation

Scale: 1" = 10'

Paint - SW 7641 Collonade Gray	Paint - SW 7642 Pavestone	Paint - SW 7646 First Star
--------------------------------	---------------------------	----------------------------

- | | |
|---|---|
| 1 Smooth Tilt-Up Precast Concrete | 6 Punched Windows Behind Metal Panels |
| 2 Horizontal Ribbed Formliner Tilt-Up Precast Concrete | 7 Clerestory Windows |
| 3 Rusted Metal Panels Mounted on Rusted Metal Structure | 8 Painted Metal Coping |
| 4 Rusted Metal Canopy Structure | 9 Overhead Dock Doors |
| 5 Storefront Window System | 10 Painted Scuppers and Downspouts (Match Wall Color) |
| | 11 Concrete Foundation |
| | 12 Signage |





JOB #31150

Opus A & E - I:\31150 - Longbow Business Park at Falcon Field\Design\Arch\Bases-Drawings\31150 - Longbow Industrial-SP.dwg [5]

PLOT DATE: January 27, 2017 - 7:00am



Opus AE Group, L.L.C.
10350 Bren Road West
Minnetonka, MN 55343-0110
952-656-4444

Opus Design Build, L.L.C.
5700 Higgins Road
Chicago, IL 60668
847-892-4444

CONSULTANT

PROJECT
Longbow Business Park at Falcon Field

LOCATION
MESA, AZ

PROJECT NUMBER
31150

ISSUE RECORD

DATE
01.30.2017
PROJECT MANAGER
R. ENSLEY
DRAWN BY
M. ETCHESON
CHECKED BY

REGISTRATION



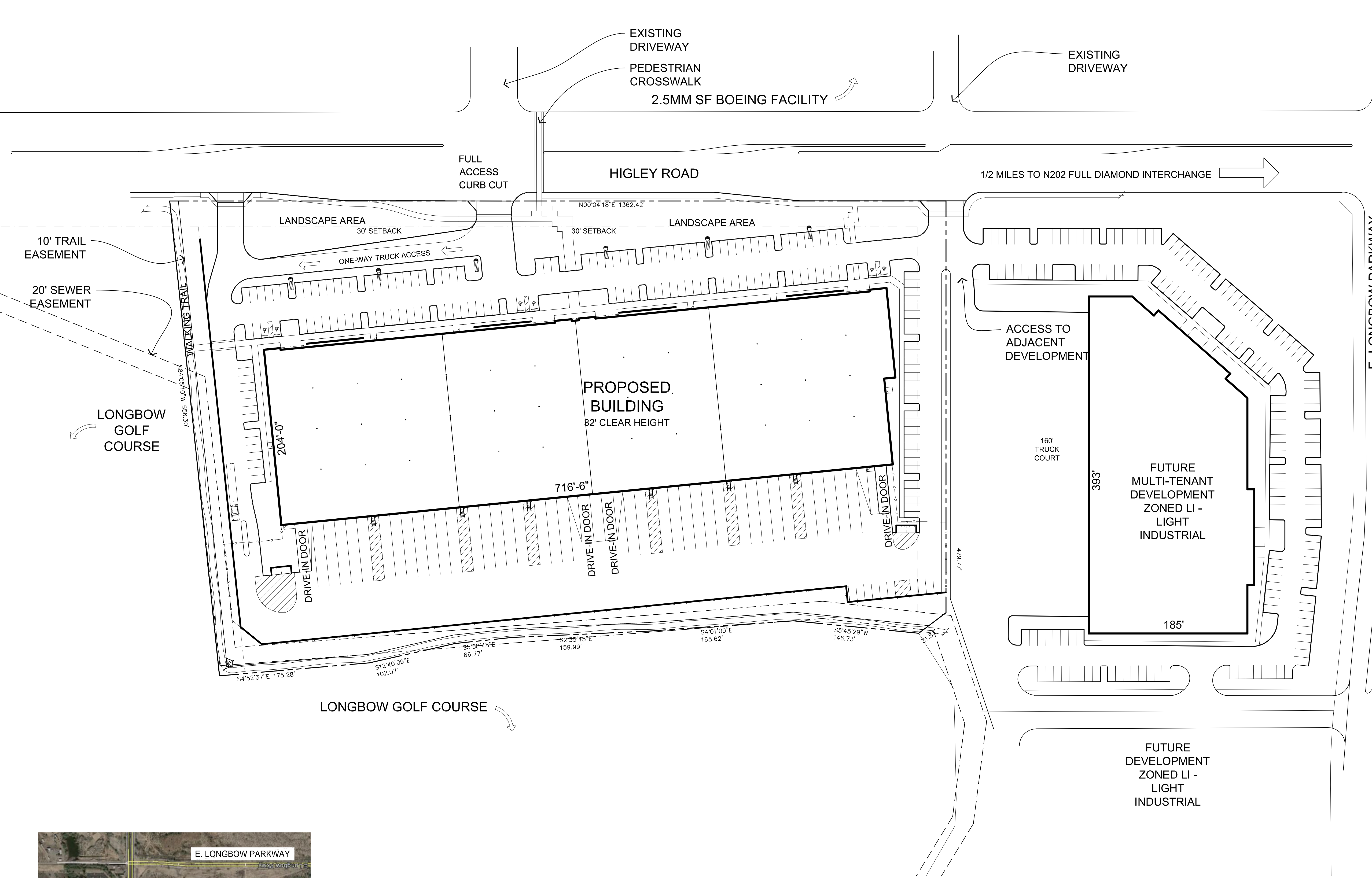
EXPIRES 06-30-18

SHEET TITLE

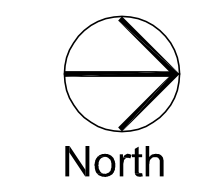
SITE PLAN

SHEET NUMBER

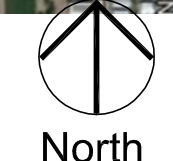
A1.0



SITE PLAN 0 30 60 120

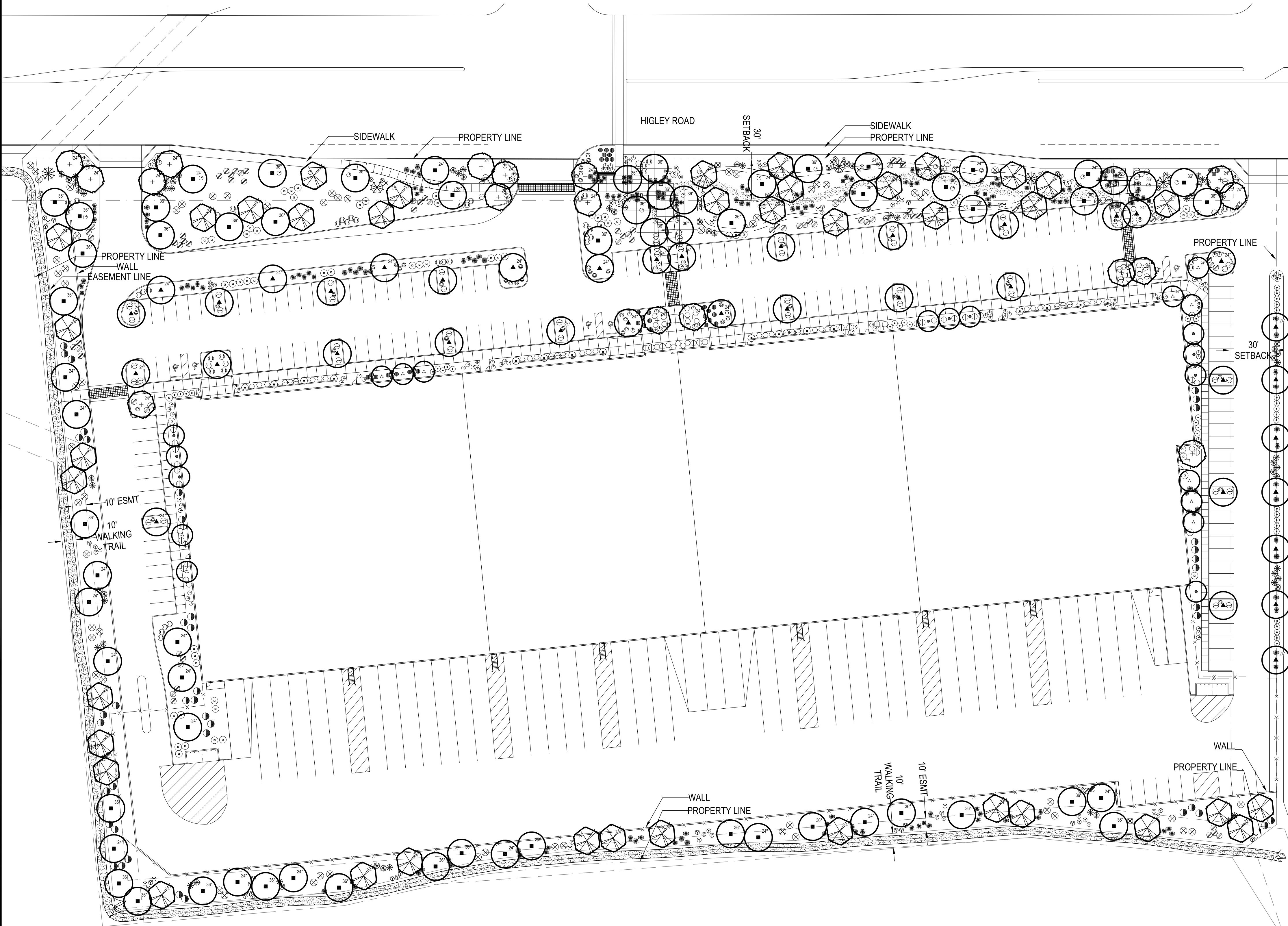


PROJECT INFORMATION	
SITE AREA:	10.32 ACS
SITE ZONING:	LI - LIGHT INDUSTRIAL
BUILDING AREA:	147,672 GSF
F.A.R.:	0.33
PROPOSED BUILDING HEIGHT	±38'-0"
PARKING REQUIRED:	164 STALLS (1 SPACE / 900 SF)
PARKING PROVIDED:	175 STALLS



Opus A. & E. - C:\Users\Tim Daugherty\Dropbox\DPAs\Projects\Longbow CAD Schematic Design\PL1.01-DPA-Longbow-SD1-Preliminary

PLOT DATE: January 28, 2017 - 10:53am



PLANT MATERIAL SCHEDULE

SYMBOL	BOTANICAL NAME COMMON NAME	SIZE	QTY	COMMENTS
	<i>Caesalpinia mexicana</i> Mexican Bird of Paradise	15 gal	10	MULTI
	<i>Caesalpinia cacalaco</i> Casalote	15 gal 24" box	8 3	MULTI
	<i>Chitalpa tashkentensis</i> Chitalpa	24" box	17	MULTI
	<i>Parkinsonia Thornless Hybrid</i> Desert Museum Palo Verde	24" box 36" box	21 36	MULTI
	<i>Pistacia chinensis</i> Red Push Pistache	36" box	9	STANDARD
	<i>Prosopis chilensis</i> Thornless Chilean Mesquite	15 gal 24" box	8 31	MULTI
	<i>Quercus virginiana</i> Southern Live Oak	15 gal 24" box	20 18	STANDARD
CACTI, SHRUBS, AND ACCENTS:				
	<i>Carnegiea gigantea</i> Saguaro	6" Spear	3	
	<i>Fouquieria splendens</i> Ocotillo	8" H	5	10 cane min.
	<i>Bougainvillea</i> spp. 'Barbara Karst' Barbara Karst Bougainvillea	5 gallon	16	
	<i>Simmondsia Chinensis</i> Jojoba	5 gallon	64	
	<i>Ruella peninsularis</i> Baja Ruella	5 gallon	48	
	<i>Dasylium wheeleri</i> Desert Spoon	5 gallon	73	
	<i>Dodonea viscosa</i> Hop Bush	5 gallon	43	
	<i>Justicia spicigera</i> Mexican Honeysuckle	5 gallon	39	
	<i>Tecoma hybrid</i> 'Orange Jubilee' Orange bells	5 gallon	64	
	<i>Hesperaloe parviflora</i> Red Yucca	5 gallon	79	
	<i>Leucophyllum frutescens</i> 'Green Cloud' Green Cloud Texas Sage	5 gallon	80	
	<i>Muhlenbergia capillaris</i> 'Regal Mist' Regal Mist Muhly	5 gallon	178	
	<i>Nerium oleander</i> 'Petite Red' Petite Red Oleander	5 gallon	42	
	<i>Aloe barbadensis</i> Yellow Blooming variety	5 gallon	53	
GROUNDCOVERS and PERENNIALS:				
	<i>Acacia redolens</i> 'Desert Carpet' Desert Carpet Acacia	1 gallon	76	
	<i>Penstemon eatonii</i> Firecracker Penstemon	1 gallon	19	
	<i>Lantana</i> 'New Gold' New Gold Lantana	1 gallon	50	
	<i>Baileya multiradiata</i> Desert Marigold	1 gallon	21	
	<i>Rosmarinus officinalis</i> 'prostratus' Prostrate Rosemary	1 gallon	45	
	<i>Ruella brittoniana</i> 'Kate' Kate Ruella	1 gallon	75	
	<i>Callistemon viminalis</i> 'Little John' Little John Brittle Bush	1 gallon	41	
ROCK MULCH:				
	3/4" Santa Fe Brown 2" deep in all landscape areas		87,740 s.f.	

LANDSCAPE CALCULATIONS:

TREE REQUIREMENTS BY SIZE / PERCENTAGE:

QTY.	% Required	% Provided
Total Trees: 181	-	-
15 gal: 55	-	30
24" box: 90	50%	50%
36" box: 45	25%	25%

TREE REQUIREMENTS PERIMETER - 1,895 LINEAR FEET:

QTY.	Required	% Provided
Total Trees: 59	3 @ 100'	3 @ 100'

NOTE: 3 Trees and 20 shrubs per 100 LF.

TREE REQUIREMENTS PARKING:

QTY.	Required	% Provided
Total Trees: -	1 tree per Island	1 tree per island

NOTE: Parking island every 8 spaces, with 1 tree and 3 shrubs.

TREE REQUIREMENTS STREET FRONTAGE - 905 LINEAR FEET (LF):

QTY.	Required	% Provided
Total Trees: 42	1 @ 25'	1 @ 21'

NOTE: 3 Saguaro and 5 Ocotillo included in street frontage

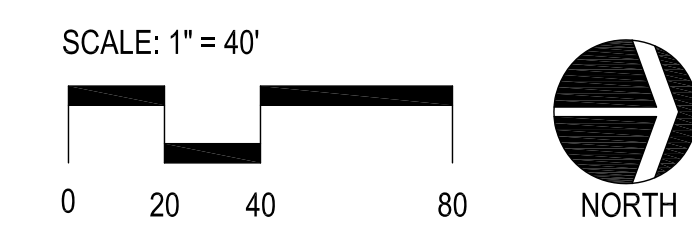
TREE REQUIREMENTS BUILDING FOUNDATION - 1,870 LINEAR FEET:

QTY.	Required	% Provided
Total Trees: 45	1 @ 50'	1 @ 42'

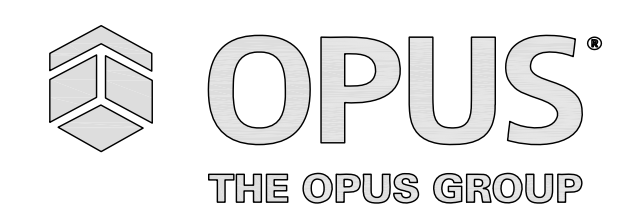
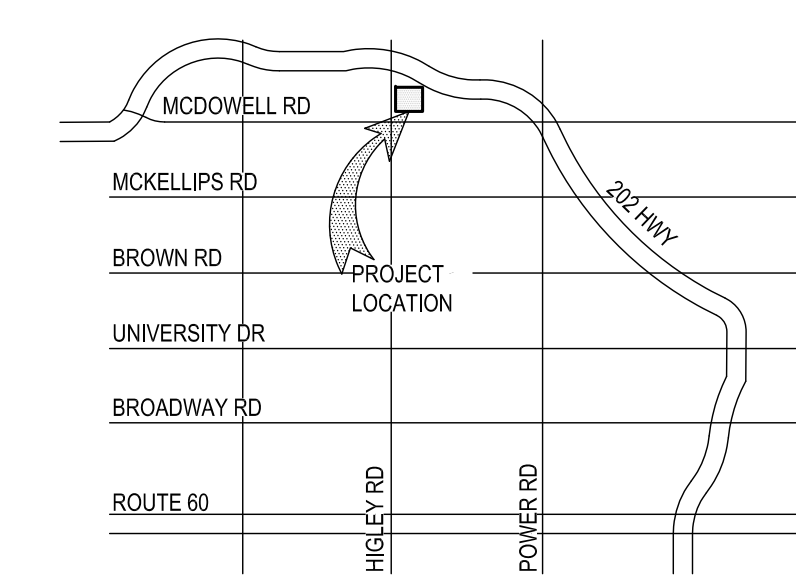
NOTE: Includes trees within 30' offset

PROJECT TEAM

DEVELOPER / ARCHITECT	LANDSCAPE ARCHITECT	CIVIL ENGINEER
RON ENSLEY OPUS GROUP 2425 E. CAMELBACK ROAD, SUITE 220 PHOENIX, AZ 85016 602.648.5072 Ron.Ensley@opus-group.com	TIM DAUGHERTY, PLA STUDIO DPA P.O. BOX 7999 TEMPE, AZ 85281 602.568.8606 tjd@studiodpa.com	TOM MEEKS ERICKSON & MEEKS ENGINEERING 13444 NORTH 32ND ST., SUITE 6 PHOENIX, AZ 85032 602.569.6393 TMEEKS@emellc.com



VICINITY MAP



Opus AE Group, L.L.C.
10350 Bren Road West
Minnetonka, MN 55343-0110
952-656-4444

Opus Design Build, L.L.C.
5700 Higley Road
Chicago, IL 60668
847-892-4444

CONSULTANT

studio DPA
Planning and Landscape Architecture
P.O. Box 7999 - Tempe, AZ 85281
480.577.5818 | 602.568.6606
www.studioDPA.com

PROJECT

**Longbow Business Park
at Falcon Field**

LOCATION
MESA, AZ

PROJECT NUMBER
31150

ISSUE RECORD

DATE
01.30.2017

PROJECT MANAGER
Tim Daugherty

DRAWN BY
Cassandra De Ana

CHECKED BY
Tim Daugherty

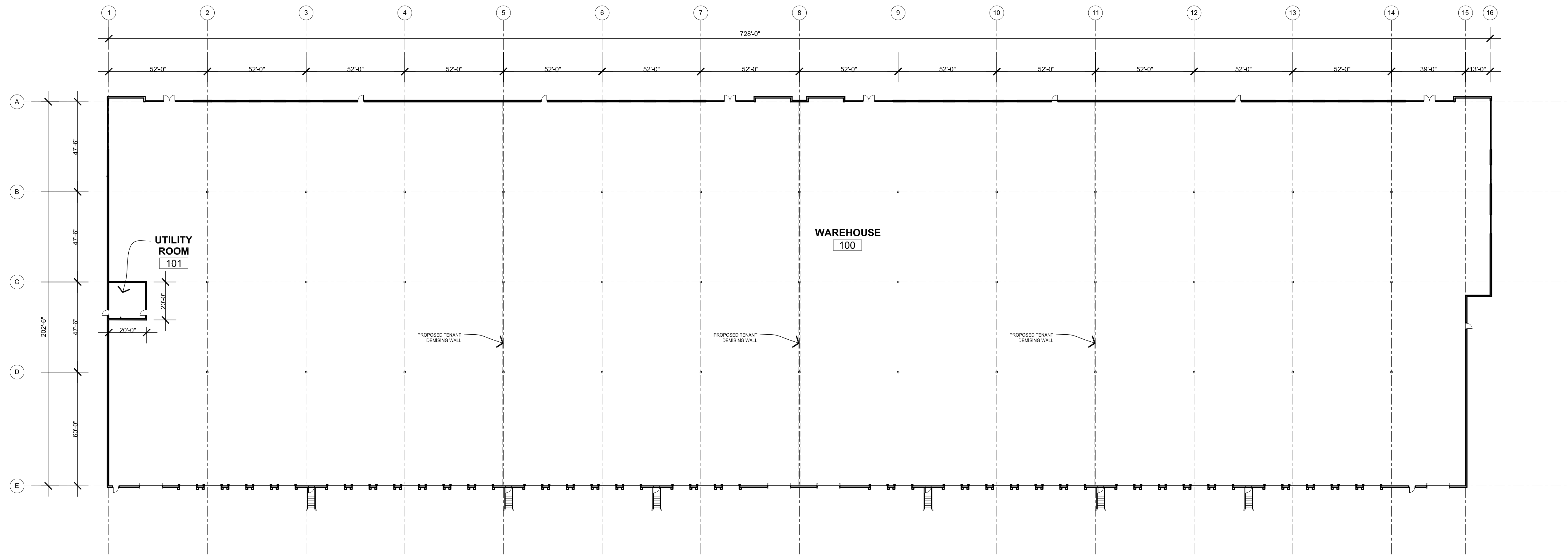


SHEET TITLE

**PRELIMINARY
LANDSCAPE PLAN**

SHEET NUMBER

01 of 01
L1.0



FLOOR PLAN  



Opus AE Group, L.L.C.
10350 Bren Road West
Minnetonka, MN 55343-0110
952-656-4444

Opus Design Build, L.L.C.
9700 Higgins Road
Chicago, IL 60668
847-892-4444

CONSULTANT

PROJECT
**Longbow Business Park
at Falcon Field**

LOCATION
MESA, AZ

PROJECT NUMBER
31150

ISSUE RECORD

DATE
01.30.2017
PROJECT MANAGER
R. ENSLEY
DRAWN BY
M. ETCHESON
CHECKED BY

REGISTRATION



SHEET TITLE

FLOOR PLAN

SHEET NUMBER

A2.0

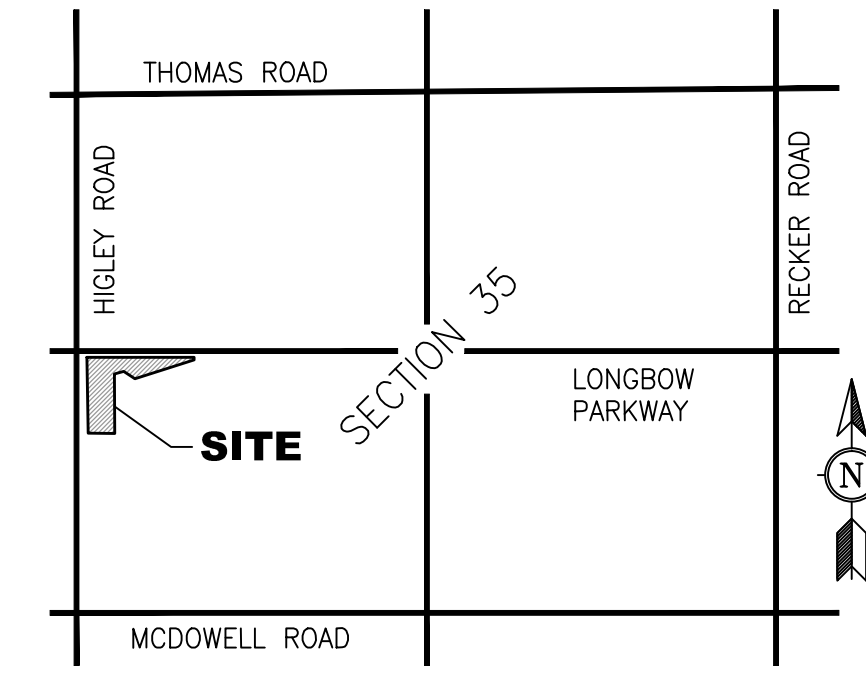
Longbow Business Park

A PORTION OF LOT 1, Longbow Business Park and Golf Club, according to the plat, recorded in Book 829, Page 44 per Maricopa County Records, also being a portion of the southwest one-quarter of Section 35, Township 2 North, Range 6 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona

CONCEPTUAL GRADING AND DRAINAGE PLAN

OWNER/DEVELOPER:
 THE OPUS GROUP
 2425 E. CAMELBACK ROAD, SUITE 220
 PHOENIX, AZ 85016
 PHONE: (602) 648-5073
 CONTACT: SEAN D. CUMMINGS

ENGINEER:
 ERICKSON & MEEKS ENGINEERING, L.L.C.
 13444 N. 32ND STREET, SUITE 6
 PHOENIX, ARIZONA 85032
 PHONE: (602) 569-6593
 FAX: (602) 569-6493
 CONTACT: TOM MEEKS



VICINITY MAP
N.T.S.

BENCH MARK

CITY OF MESA, BRASS TAG IN TOP OF CURB AT THE SOUTHWEST CORNER OF THE INTERSECTION OF N. HIGLEY ROAD AND E. MCDOWELL ROAD

ELEVATION = 1393.83 (NGVD-88)

FLOOD ZONE

ACCORDING TO THE FLOOD INSURANCE RATE MAP COMMUNITY - PANEL NUMBER 04013C2280L, DATED OCTOBER 16, 2013, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X". AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

AREA

GROSS/NET AREA OF PROJECT:
 1,259,470 SQUARE FEET
 OR 21.91 ACRES NET.

DISTURBED AREA:
 449,895 SQUARE FEET
 OR 10.33 ACRES

APN
 141-41-007

ADDRESS
 5207 E. Longbow Parkway
 MESA, AZ 85215

PROPOSED FEATURES:

- ⊗ FOUND C.O.P. BRASS CAP
- SET REBAR W/ CAP, LS#48460
- ⊕ STORM MANHOLE
- ⊞ CATCH BASIN
- ⊗ POST/BOLLARD
- ⊞ SIGN-TRAFFIC/OTHER
- ⊞ ELECTRIC METER
- ⊞ STREET LITE
- ⊞ SANITARY MANHOLE
- ⊞ ELECTRIC BOX
- ⊞ SEWER CLEANOUT
- ⊞ HYDRANT
- ⊞ WATER METER
- ⊞ WATER VALVE
- ⊞ TRAFFIC CONTROL BOX
- ⊞ TRAFFIC SIGNAL
- ⊞ TELEPHONE MANHOLE
- ⊞ AIR RELEASE VALVE
- ⊞ FIBER OPTIC BOX

- BOUNDARY LINE
- SECTION LINE
- CENTER LINE
- RIGHT-OF-WAY LINE
- PARCEL LINE
- EASEMENT LINE
- FENCE LINE
- WATER LINE
- SEWER LINE
- STORM SEWER LINE
- SETBACK LINE
- CURB & GUTTER

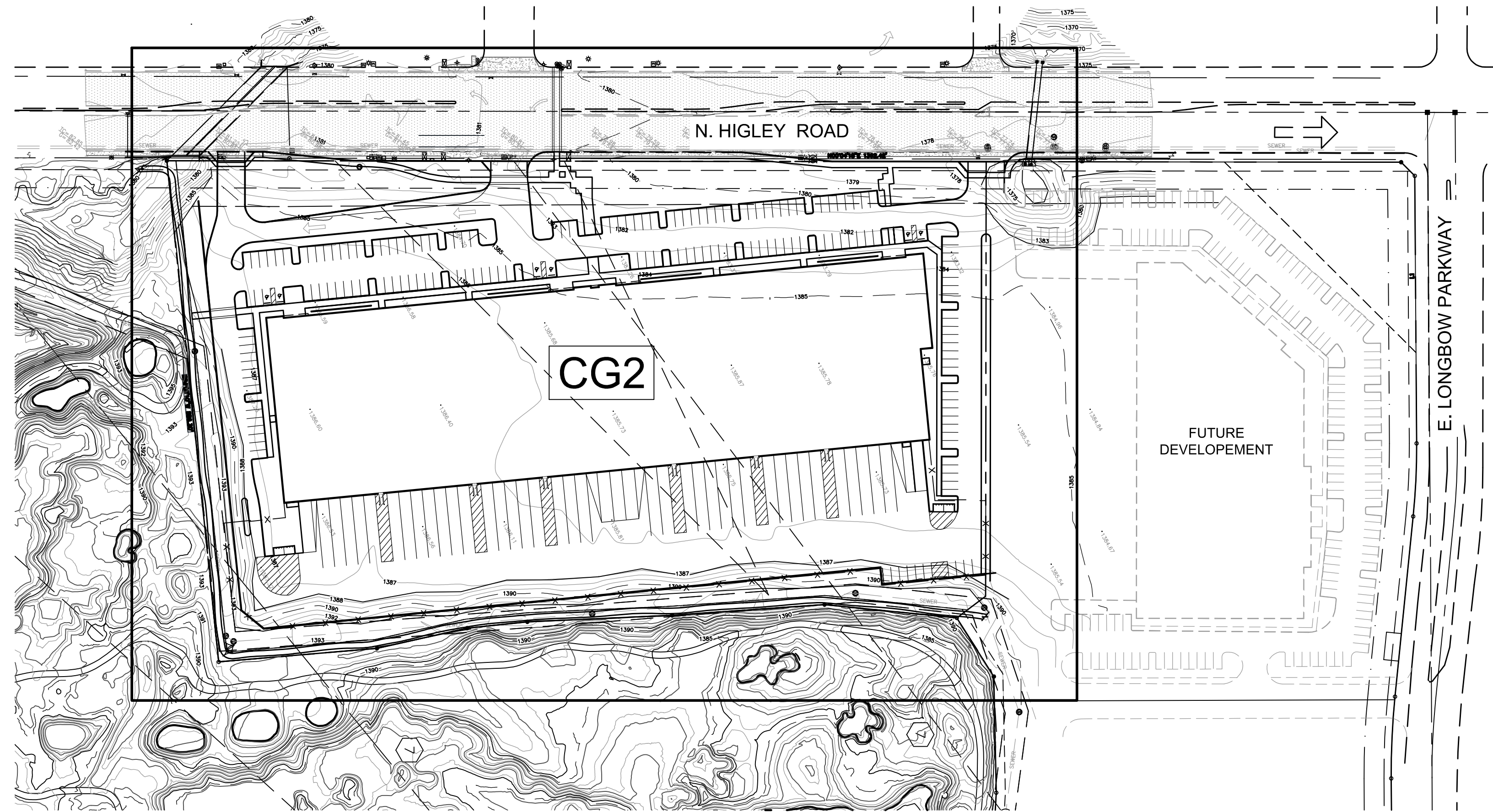
- ▨ BITUMINOUS SURFACE
- ▨ CONCRETE SURFACE

- ESMT. EASEMENT
- P.U.F.E. PUBLIC UTILITY AND FACILITY EASEMENT
- B.S.L. BUILDING SETBACK
- ROW RIGHT OF WAY
- COM CITY OF MESA
- BC BRASS CAP
- HH HAND HOLE
- MCHD MARICOPA COUNTY HIGHWAY DEPARTMENT

PROPOSED FEATURES:

- FF=73.00 FINISH FLOOR ELEVATION
- PAD=72.33 PAD ELEVATION
- C=73.00 CONCRETE ELEVATION
- P=72.50 PAVEMENT ELEVATION
- FG=71.00 FINISH GRADE ELEVATION
- RIM=70.73 RIM ELEVATION

- 1.5% SLOPE DIRECTION OF DRAINAGE
- G.B. GRADE BREAK
- CURB OPENING
- CATCH BASIN
- STORM DRAIN PIPE
- F.H. FIRE HYDRANT
- HEADWALL
- SD STORM DRAIN MANHOLE



KEY MAP
N.T.S.

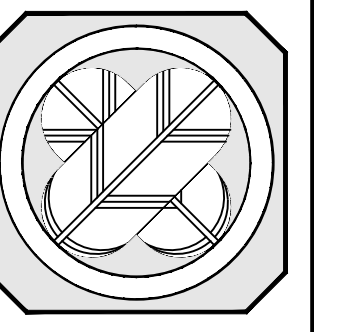
SHEET INDEX

SHEET NO.	DESCRIPTION
CG1	CONCEPTUAL GRADING AND DRAINAGE PLAN

DRAINAGE STATEMENT

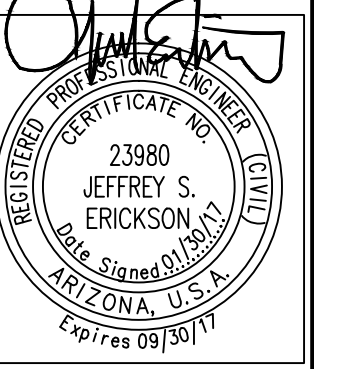
RETENTION/DETENTION IS PROVIDED IN THE GOLF COURSE PER MASTER DRAINAGE REPORT FOR Longbow INDUSTRIAL BUSINESS PARK AND GOLF CLUB DATED MARCH 18, 2002 AND ADDENDUM TO MASTER DRAINAGE REPORT DATED JULY 26, 2002.

ONSITE DRAINAGE WILL BE DIRECTED TO EXISTING CULVERT CROSSINGS AT N. HIGLEY ROAD. HALF OF THE SITE WILL BE CONVEYED TO THE NORTH AND HALF TO THE SOUTH AS SHOWN ON THE CONCEPTUAL GRADING AND DRAINAGE PLAN.



EME

Erickson & Meeks Engineering, L.L.C.
 13444 N. 32nd Street
 Suite 6
 Phoenix, Arizona 85032
 Phone: (602) 569-6593
 Fax: (602) 569-6493



LONGBOW BUSINESS PARK
CONCEPTUAL GRADING & DRAINAGE PLAN
MESA, ARIZONA

REVISIONS

NO.	DATE	DESCRIPTION

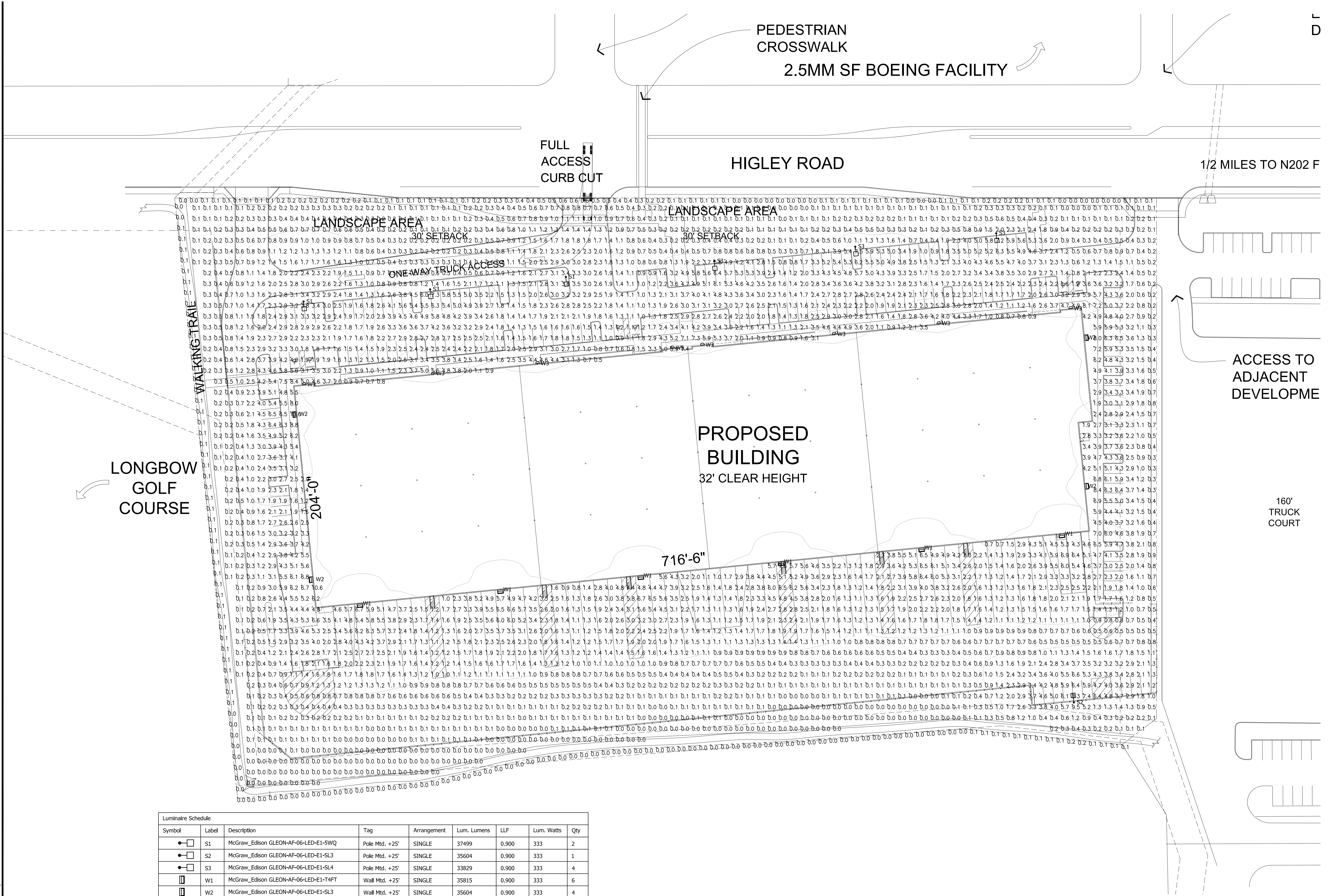
DATE: 01/30/17
 PROJ. NO: 216-028
 DESIGN: TEM
 DRAWN: TEM
 CHECK: JSE
 SCALE: AS SHOWN
 CAD FILE: 1628CG01

PRELIMINARY
 NOT FOR CONSTRUCTION
 OR RECORDING



CG1
 1 of 2

PLOT DATE: January 26, 2017 - 11:23pm



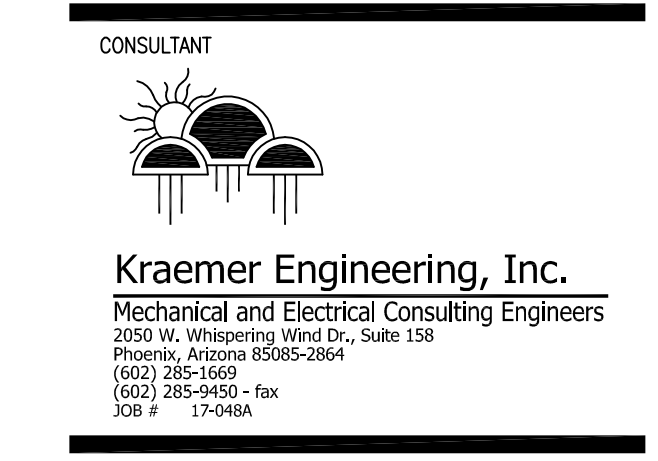
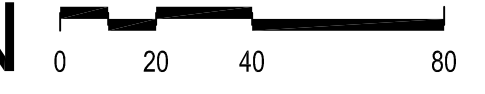
Symbol	Label	Description	Tag	Arrangement	Lum. Lumens	LLF	Lum. Watts	Qty
●	S1	McGraw_Edison GLEON-AF-06-LED-E1-SWQ	Pole Mtd. +25'	SINGLE	37499	0.900	333	2
●	S2	McGraw_Edison GLEON-AF-06-LED-E1-SL3	Pole Mtd. +25'	SINGLE	35604	0.900	333	1
●	S3	McGraw_Edison GLEON-AF-06-LED-E1-SL4	Pole Mtd. +25'	SINGLE	33829	0.900	333	4
■	W1	McGraw_Edison GLEON-AF-06-LED-E1-T4FT	Wall Mtd. +25'	SINGLE	35815	0.900	333	6
■	W2	McGraw_Edison GLEON-AF-06-LED-E1-SL3	Wall Mtd. +25'	SINGLE	35604	0.900	333	4
D	W3	McGraw_Edison ISC-E02-LED-E1-BL3-7050-ULG	Wall Mtd. +12'	SINGLE	5861	0.900	54.9	8

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Overall Site Horizontal @ Grade	■	Illuminance	Fc	1.74	10.6	0.0	N.A.
Property Line Horizontal @ Grade	■	Illuminance	Fc	0.09	0.6	0.0	N.A.

GENERAL NOTES:

- THE PHOTOMETRIC CALCULATIONS WERE GENERATED IN OUR OFFICE UTILIZING PHOTOMETRIC DATA FILES FURNISHED BY THE LIGHT FIXTURE MANUFACTURERS AND REASONABLE LIGHT LOSS FACTORS. TO THE BEST OF OUR KNOWLEDGE THIS PHOTOMETRIC CALCULATION REPRESENTS THE PROPOSED HORIZONTAL MAINTAINED LIGHTING LEVELS AT GRADE, INITIAL LIGHTING LEVELS WILL BE SLIGHTLY HIGHER.

PHOTOMETRIC SITE PLAN



PROJECT
LONGBOW BUSINESS PARK AT FALCON FIELD

LOCATION
 MESA, AZ

PROJECT NUMBER
 31150

ISSUE RECORD

DATE
 01.17.2017

PROJECT MANAGER
 --

DRAWN BY
 MDB

CHECKED BY
 JJ

REGISTRATION

PHOTOMETRIC SITE PLAN

SHEET NUMBER

