TOPOGRAPHIC SURVEY

NORTHERN ARIZONA UNIVERSITY
LYING WITHIN SECTION 28, TOWNSHIP 21 NORTH, RANGE 7 EAST,
GILA SALT RIVER BASE AND MERIDIAN, IN THE CITY OF
FLAGSTAFF, COCONINO COUNTY, ARIZONA

SURVEY CONTROL

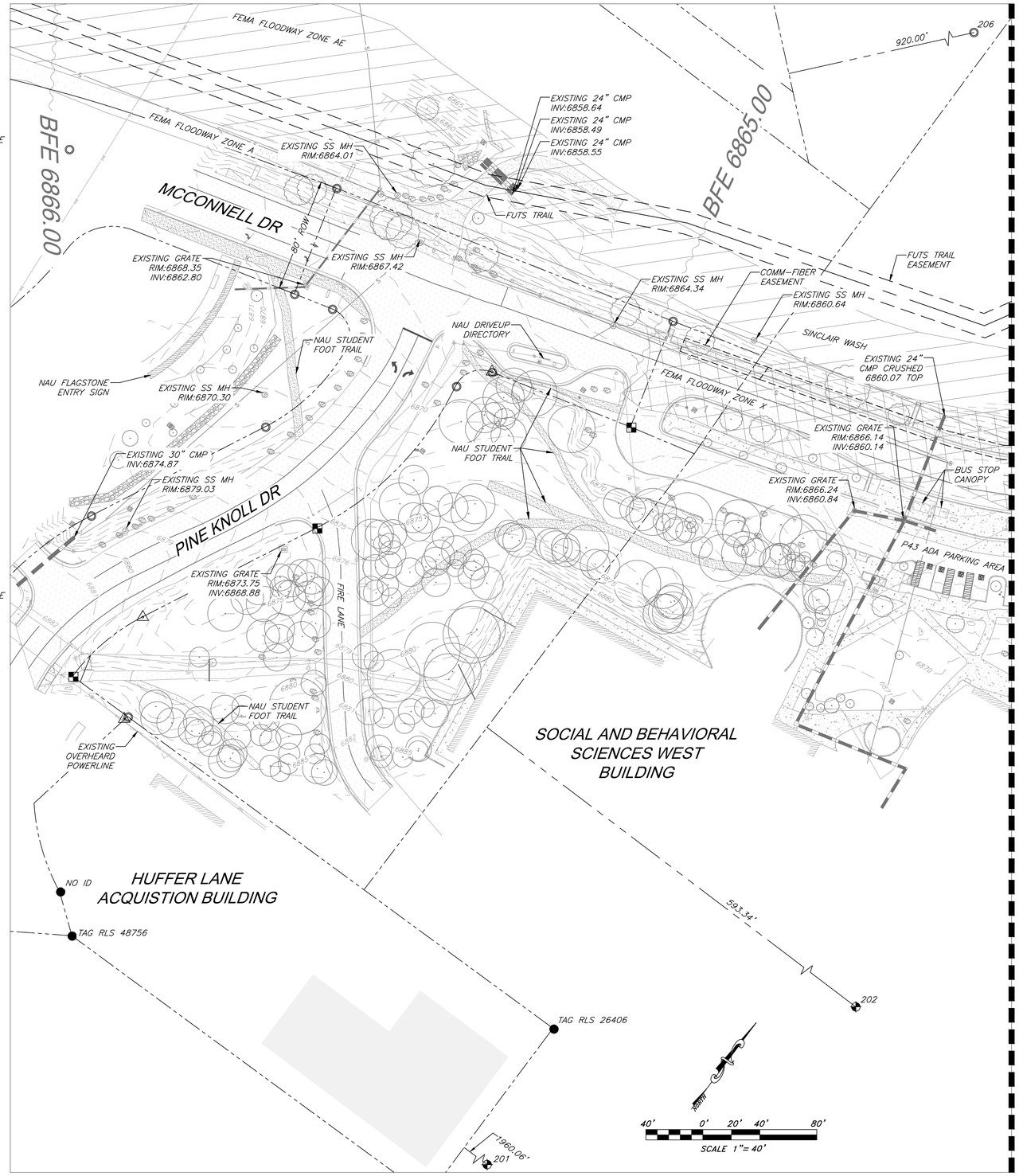
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
201	6925.43	64486.58	59540.49	NAU BC #1
202	6881.52	64722.06	58009.52	NAU BC #2
206	6924.65	67153.97	59017.83	NAU BC #6

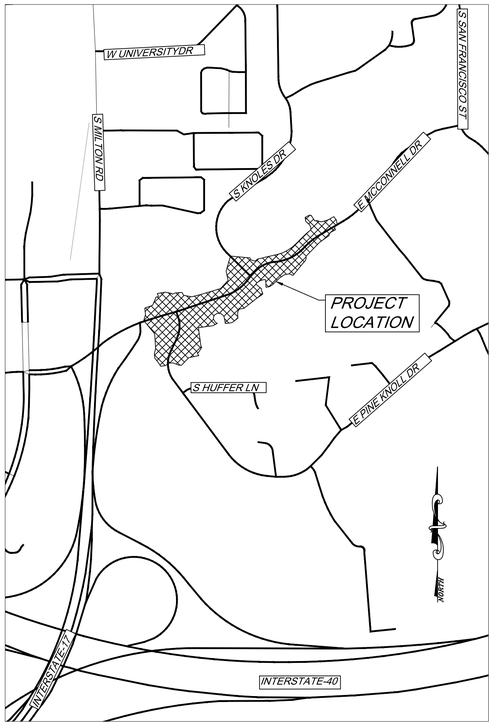
LEGEND

- EXISTING WATER LINE
- EXISTING RECLAIMED WATER LINE
- EXISTING SEWER LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING TELECOMMUNICATION LINE
- EXISTING FIBER OPTIC LINE
- EXISTING WOODEN FENCE
- EXISTING STORMDRAIN
- EXISTING TOP OF CHANNEL
- EXISTING TOE OF CHANNEL
- EXISTING RIGHT OF WAY
- EXISTING EASEMENT
- EXISTING PROPERTY LINE
- EXISTING CONTOUR LINE
- CONTROL VISUALIZATION LINE
- EXISTING WATER VALVE
- EXISTING HYDRANT
- EXISTING WATER METER
- EXISTING RECLAIMED WATER MANHOLE
- EXISTING IRRIGATION VALVE BOX
- EXISTING SEWER MANHOLE
- EXISTING SEWER CLEANOUT
- EXISTING LIGHT POLE
- EXISTING EMERGENCY BLUE LIGHT
- EXISTING POWER POLE
- EXISTING ELECTRICAL JUNCTION BOX
- EXISTING TELEPHONE RISER
- EXISTING TELECOMMUNICATION MANHOLE
- EXISTING STORM DRAIN MANHOLE
- EXISTING CATCH BASIN
- EXISTING DRY WELL
- EXISTING BOLLARD
- EXISTING SIGN
- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE
- EXISTING BOULDER
- EXISTING RIPRAP
- EXISTING CONCRETE
- EXISTING ASPHALT
- EXISTING GRAVEL PATH
- EXISTING BRICK WALKWAY
- REGULATORY FLOODWAY WITH BSE (ZONE AE)
- 100-YEAR FLOODWAY WITHOUT BSE (ZONE A)
- 500-YEAR FLOOD HAZARD AREA (ZONE X)
- FOUND AC AHD
- FOUND ½" IRON PIN
- FOUND PK NAIL 48756
- FOUND AC RLS 48756

ABBREVIATIONS

AC	ALUMINUM CAP
AHD	ARIZONA HIGHWAY DIVISION
CBC	CONCRETE BOX CULVERT
CMP	CORRUGATED METAL PIPE
INV	INVERT
MH	MANHOLE
RCW	RECLAIMED WATER
RLS	REGISTERED LAND SURVEYOR
SS	SANITARY SEWER
TW	TOP OF WALL





LOCATION MAP

SCALE: 1" = 500'

CERTIFICATION

I HEREBY CERTIFY THAT THE ELEVATIONS SHOWN ON THIS PLAN WERE COLLECTED UNDER MY DIRECTION.

PROJECT BENCHMARK

NORTHERN ARIZONA UNIVERSITY CONTROL NETWORK, CONTROL POINT #1, BRASS CAP NORTHWEST OF NAU FACILITIES MANAGEMENT BUILDING:
ELEVATION: 6925.43' NGVD88.

SURVEY NOTES

1. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NAU CONTROL NETWORK, CONSTRAINED TO THE SURVEY CONTROL MONUMENTS PROVIDED. THE NAU CONTROL NETWORK IS DEFINED BELOW:

   LINEAR UNIT: INTERNATIONAL FOOT
   GEODETIC DATUM: NORTH AMERICAN DATUM 1983
   SYSTEM: ARIZONA LDP (LOW DISTORTION PROJECTION)

   PROJECTION: TRANSVERSE MERCATOR
   LATITUDE OF GRID ORIGIN: 35° 00' 00" N
   LONGITUDE OF CENTRAL MERIDIAN: 111° 37' 00" W
   NORTHING AT GRID ORIGIN: 0.000 FT
   EASTING AT CENTRAL MERIDIAN: 70,000.000 FT.
   CENTRAL MERIDIAN SCALE FACTOR: 1.000333 (EXACT)

   ALL DISTANCES AND BEARINGS SHOWN HEREON ARE GRID VALUES BASED ON THE PRECEDING PROJECTION DEFINITION. THE PROJECTION WAS DEFINED SUCH THAT GRID DISTANCES ARE EQUIVALENT TO "GROUND" DISTANCES WITHIN THE PROJECT AREA.

   THE BASIS OF BEARINGS IS GEODETIC NORTH BASED ON GPS MEASUREMENTS. THESE BEARINGS HAVE BEEN ROTATED TO GRID FOR THE CITY OF FLAGSTAFF LOW DISTORTION PROJECTION. ALL BEARINGS AND DISTANCES SHOWN ON THIS MAP ARE GRID PER THE PRECEDING DEFINITION.

2. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) DERIVED FROM TIES TO NAU SURVEY MONUMENTS AS SHOWN.

3. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED BY AND FIELD VERIFIED BY THE WLB GROUP INC. IN MAY 2018.

4. THIS IS NOT A BOUNDARY SURVEY.

5. UNDERGROUND UTILITIES SHOWN HEREON ARE FROM THE CITY OF FLAGSTAFF GIS DATA BASEMAP. INFORMATION CONCERNING UTILITIES SHOULD BE REGARDED AS APPROXIMATE ONLY.

6. FLOODPLAIN INFORMATION BASED ON COCONINO PARCEL VIEWER. INFORMATION CONCERNING FLOODPLAIN SHOULD BE REGARDED AS APPROXIMATE ONLY.

7. FUTS TRAIL EASEMENT CAN BE FOUND AT THE COCONINO COUNTY RECORDER'S OFFICE, DOCKET 1303 PAGES 448-452.

8. RECLAIMED WATER EASEMENT CAN BE FOUND AT THE COCONINO COUNTY RECORDER'S OFFICE, DOCKET 1472 PAGES 034-041.

Contact Arizona 811 at least two full working days before you begin excavation
ARIZONA811
Call 811 or click Arizona811.com

NO:	DATE:	REVISIONS	ITEM:

The WLB Group INC.
Engineering • Planning • Surveying
Landscape Architecture • Urban Design
Offices located in: Tucson, Phoenix, Flagstaff, Las Vegas, NV
500 N. Beaver Street, Flagstaff, AZ 86001
PH.(928) 779-1500

NAU MCCONNELL DR
ROUNDABOUT IMPROVEMENT
TOPOGRAPHIC SURVEY

REGISTERED LAND SURVEYOR
CERTIFICATE NO. 67282
CHRIS A. BENDER
Date Signed 8/10/2018
ARIZONA U.S.A.
Expires 06/30/2021

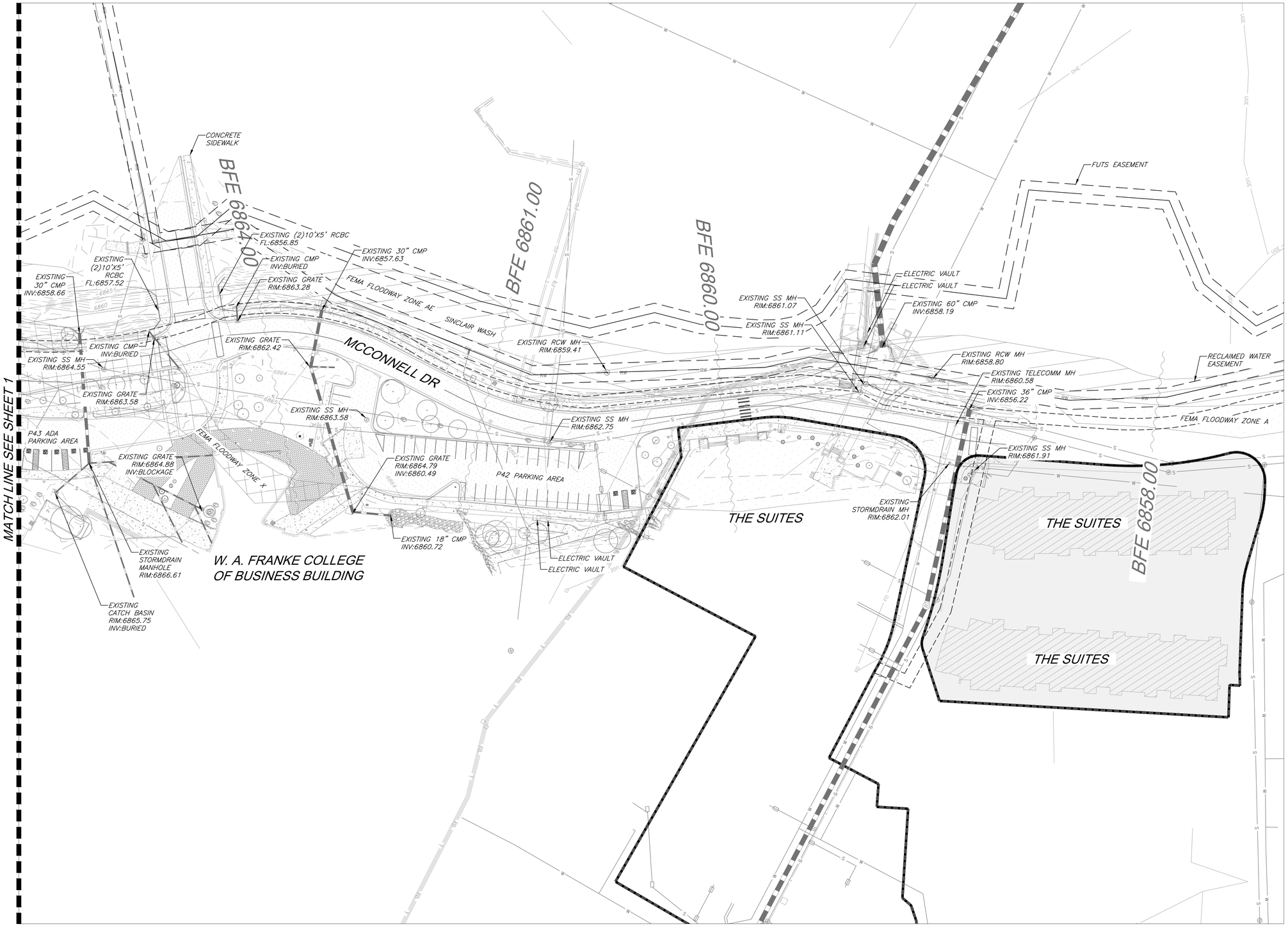
DESIGNED BY:	BL
DRAWN BY:	MS,TR
CHECK BY:	BL,DB
DATE:	AUGUST 2018
BY:	
DATE:	

PROJECT NO. 318010A001

SHEET	OF
1	2

TOPOGRAPHIC SURVEY

NORTHERN ARIZONA UNIVERSITY
LYING WITHIN SECTION 28, TOWNSHIP 21 NORTH, RANGE 7 EAST,
GILA SALT RIVER BASE AND MERIDIAN, IN THE CITY OF
FLAGSTAFF, COCONINO COUNTY, ARIZONA



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NAU MCCONNELL DR
ROUNDABOUT IMPROVEMENT
TOPOGRAPHIC SURVEY

REGISTERED LAND SURVEYOR
CERT. (DATE NO.) 67262
CURTIS A. BENDER
ARIZONA U.S.A.
Date Signed
Expires: 06/30/2021

DESIGNED BY:	BL
DRAWN BY:	MAS
CHECK BY:	BL
DATE:	AUGUST 2018
BY:	
DATE:	

PROJECT NO. 318010A001

SHEET	OF
2	2