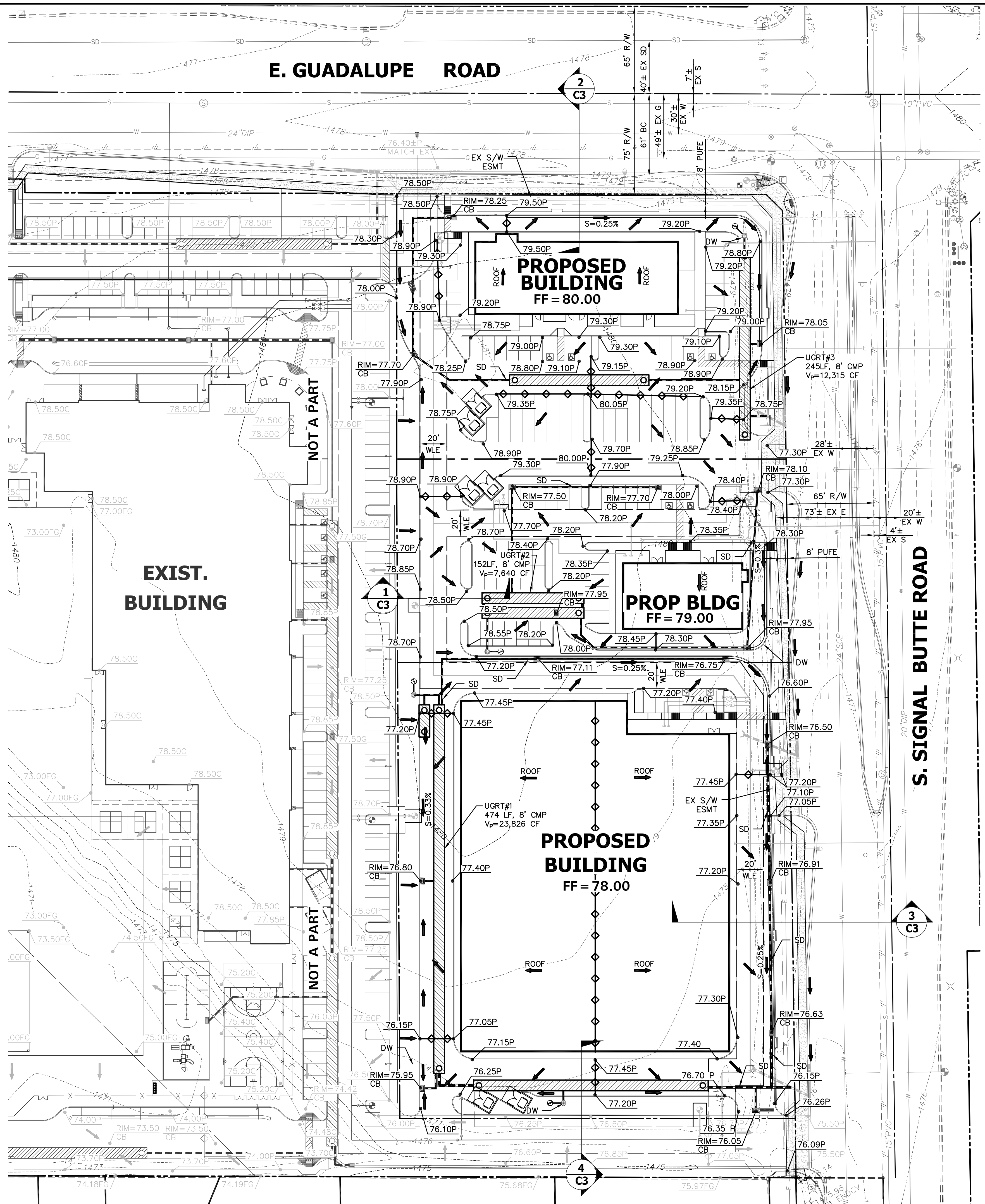
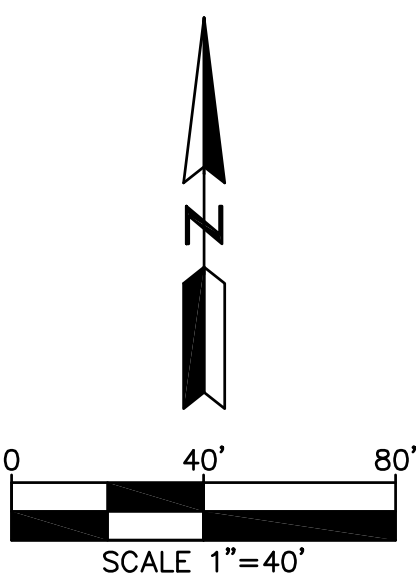




CONCEPTUAL GRADING AND DRAINAGE PLAN

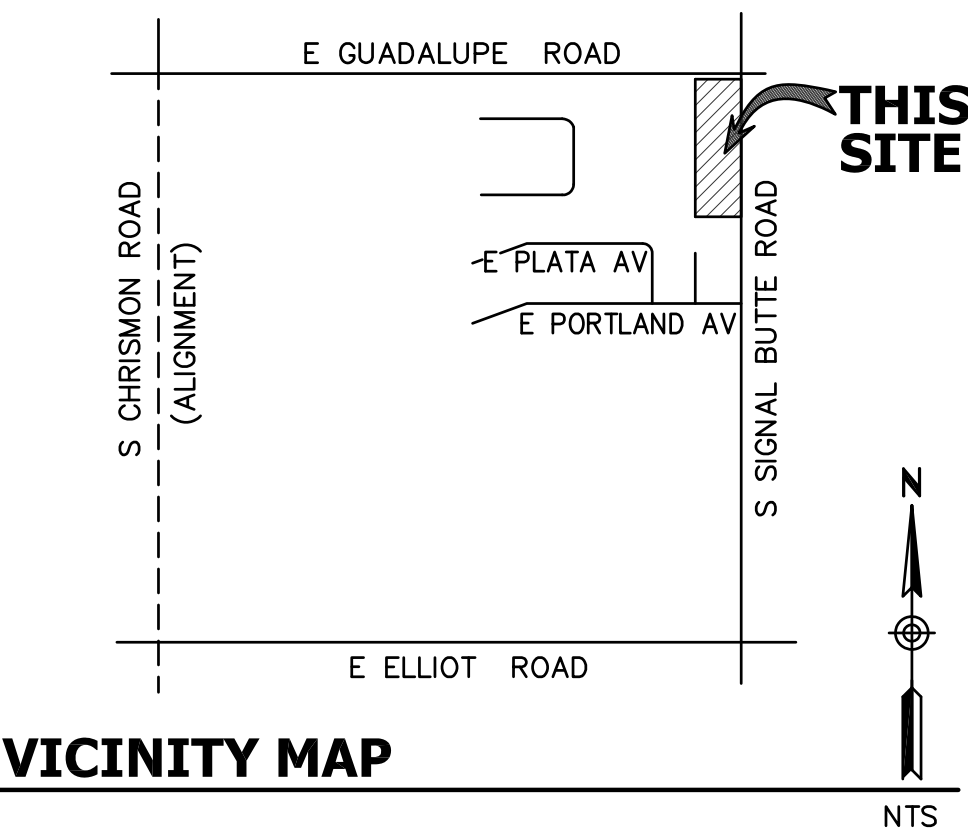
FOR
RETAIL SITE
SWC E. GUADALUPE RD & S. SIGNAL BUTTE RD
MESA, ARIZONA

PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER BASELINE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.



PROPOSED LEGEND

- CENTERLINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- EASEMENT LINE
- CONTOUR
- SEWER LINE
- WATER LINE
- STORM DRAIN LINE
- GRADE BREAK
- FLOW LINE
- SECTION CALLOUT
- SPOT ELEVATION
- SIGN
- FLOW ARROW
- DRYWELL
- INTERCEPTOR
- CATCH BASIN



VICINITY MAP

OWNER/DEVELOPER

GARRETT DEVELOPMENT CORPORATION
6900 E. CAMELBACK ROAD SUITE 607
SCOTTSDALE, ARIZONA 85251
PHONE: (480) 970-4001
CONTACT: ROBERTO BUENAVAR

CIVIL ENGINEER

HUNTER ENGINEERING, INC.
10450 N. 74TH STREET, SUITE #200
SCOTTSDALE, ARIZONA 85258
PHONE: (480) 991-3985
FAX: (480) 991-3986
CONTACT: JEFF HUNTER

ARCHITECT

RKAA ARCHITECTS, INC.
2233 E. THOMAS ROAD
PHOENIX, ARIZONA 85016
PHONE: (602) 955-3900
CONTACT: NEIL FRASER

RETENTION CALCULATIONS

TOTAL SITE AREA INCLUDING OFFSITE = 5.759 AC
ON-SITE = 4.579 AC
OFF-SITE = 1.180 AC
RETENTION REQUIRED:
VR=C*P/12*A, C=0.95, P=2.2
COMMERCIAL VR = 34,740 CU.FT.
OFF-SITE VR = 8,952 CU.FT.
TOTAL REQUIRED = 43,692 CU.FT.
RETENTION PROVIDED:
UNDERGROUND RETENTION PIPE (8" DIA)871FT=43,781 CU.FT.
TOTAL PROVIDED.43,781 CU.FT.
TOTAL REQUIRED.43,692 CU.FT.
TOTAL EXCESS.89 CU.FT.

BASIS OF BEARING

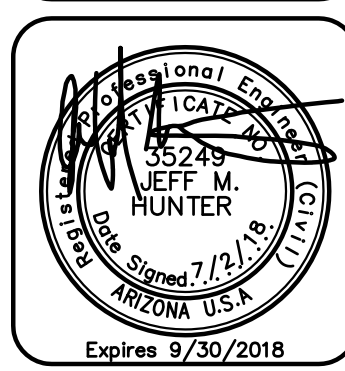
BASIS OF BEARING FOR THIS SURVEY IS THE MONUMENT LINE OF SIGNAL BUTTE ROAD, ALSO BEING THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 11, USING THE BEARING OF SOUTH 00°47'42" EAST PER SPECIAL WARRANTY DEED RECORDED IN DOCUMENT NO.98-0495476, MARICOPA COUNTY RECORDS.

NO.	DATE	REVISION	BY

PURPOSE:
CONCEPTUAL DESIGN

DESIGN BY: JMH
DRAWN BY: JAO
CHECKED BY: JMH

HUNTER
ENGINEERING
10450 NORTH 74TH STREET,
SUITE 200
SCOTTSDALE, AZ 85258
T 480 991 3985
F 480 991 3986
CIVIL AND SURVEY



CONCEPTUAL GRADING AND DRAINAGE
FOR
RETAIL SITE
SWC E. GUADALUPE RD & S. SIGNAL BUTTE RD
MESA, ARIZONA



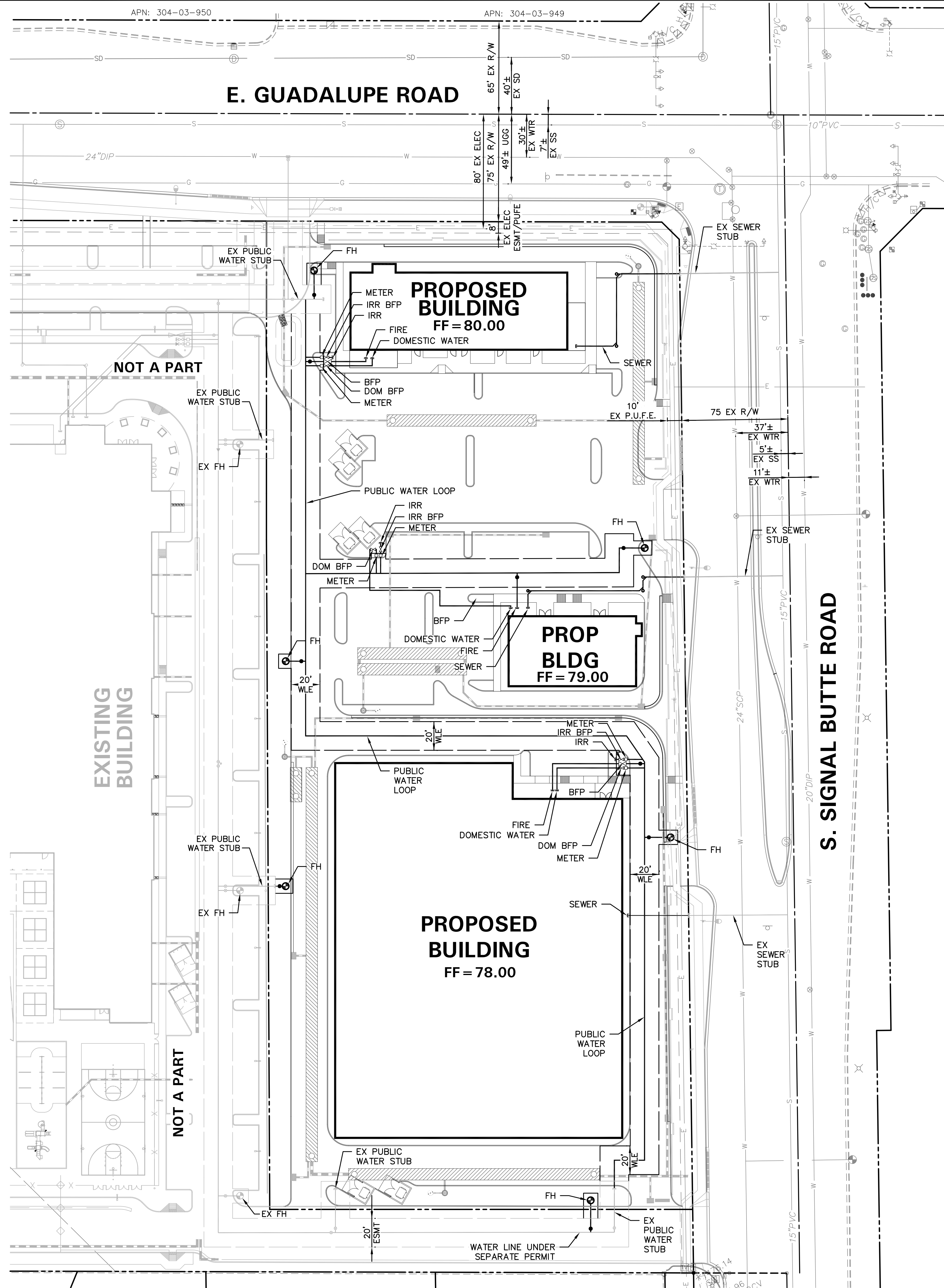
THESE PLANS ARE NOT APPROVED FOR CONSTRUCTION WITHOUT AN APPROVED SIGNATURE FROM THE GOVERNING MUNICIPALITY.

HE JOB NO.:
PROV002

SCALE
1"=40'

SHEET
C1

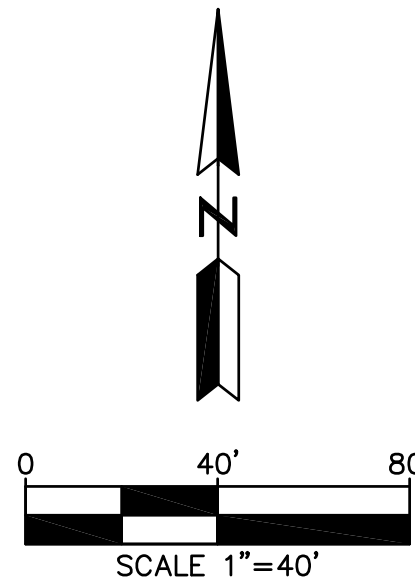
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CONCEPTUAL UTILITY PLAN

FOR
RETAIL SITE
SWC E. GUADALUPE RD & S. SIGNAL BUTTE RD
MESA, ARIZONA

PART OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 11, TOWNSHIP 1 SOUTH,
RANGE 7 EAST OF THE GILA AND SALT RIVER BASELINE AND MERIDIAN, MARICOPA COUNTY, ARIZONA.



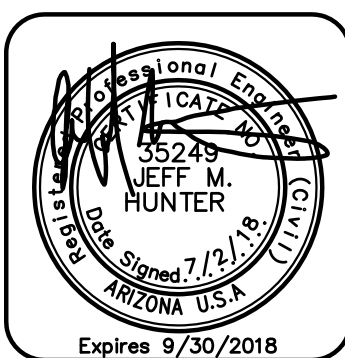
LEGEND

6" W	EXISTING WATERLINE
8" S	EXISTING SEWERLINE
Centerline	CENTERLINE
Property line	PROPERTY LINE
Right-of-way line	RIGHT-OF-WAY LINE
Easement line	EASEMENT LINE
Tapping valve and sleeve	TAPPING VALVE AND SLEEVE
Reducer	REDUCER
Backflow preventer	BACKFLOW PREVENTER
Meter box	METER BOX
Water valve	WATER VALVE
Cap	CAP
Fire hydrant	FIRE HYDRANT

NO.	DATE	REVISION	BY

DESIGN BY: JMH
DRAWN BY: JAO
CHECKED BY: JMH

HUNTER
ENGINEERING
CIVIL AND SURVEY
10450 NORTH 74TH STREET,
SUITE 200
SCOTTSDALE, AZ 85258
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CONCEPTUAL UTILITY PLAN
FOR
RETAIL SITE
SWC E. GUADALUPE RD & S. SIGNAL BUTTE RD
MESA, ARIZONA

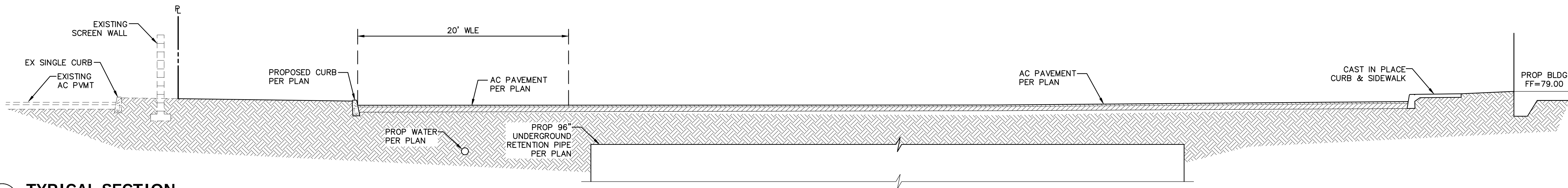


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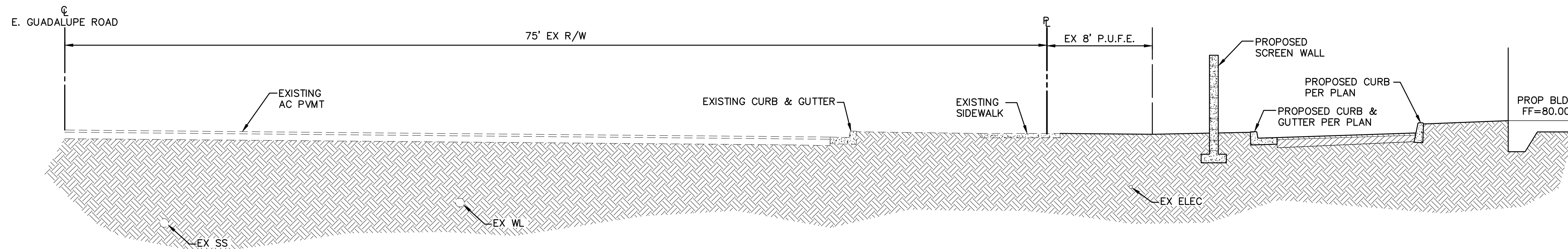
SCALE
1"=40'

SHEET
C2



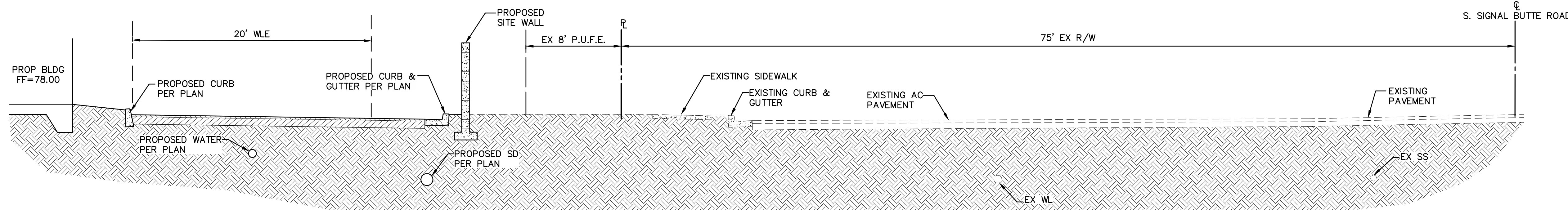
1 TYPICAL SECTION

NTS



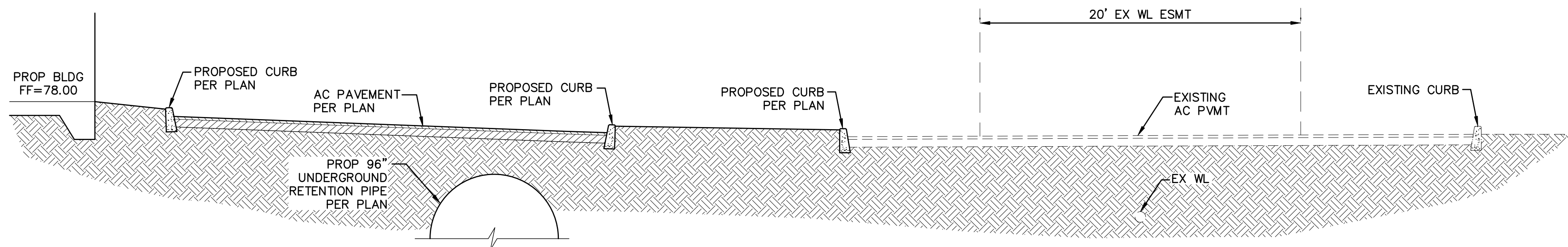
2 TYPICAL SECTION

NTS



3 TYPICAL SECTION

NTS



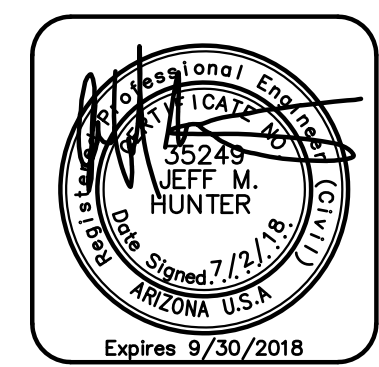
4 TYPICAL SECTION

NTS

NO.	DATE	REVISION	BY

DESIGN BY: JMH
DRAWN BY: JAC
CHECKED BY: JMH

HUNTER
ENGINEERING
CIVIL AND SURVEY
10450 NORTH 74TH STREET,
SUITE 200
SCOTTSDALE, AZ 85258
PH: 480 991 3983
F: 480 991 3988



**CONCEPTUAL SECTIONS
FOR
RETAIL SITE
SWC E. GUADALUPE RD & S. SIGNAL BUTTE RD
MESA, ARIZONA**



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MUNICIPALITY.

HE JOB NO.:
PROV002

SCALE
NTS

SHEET
C3