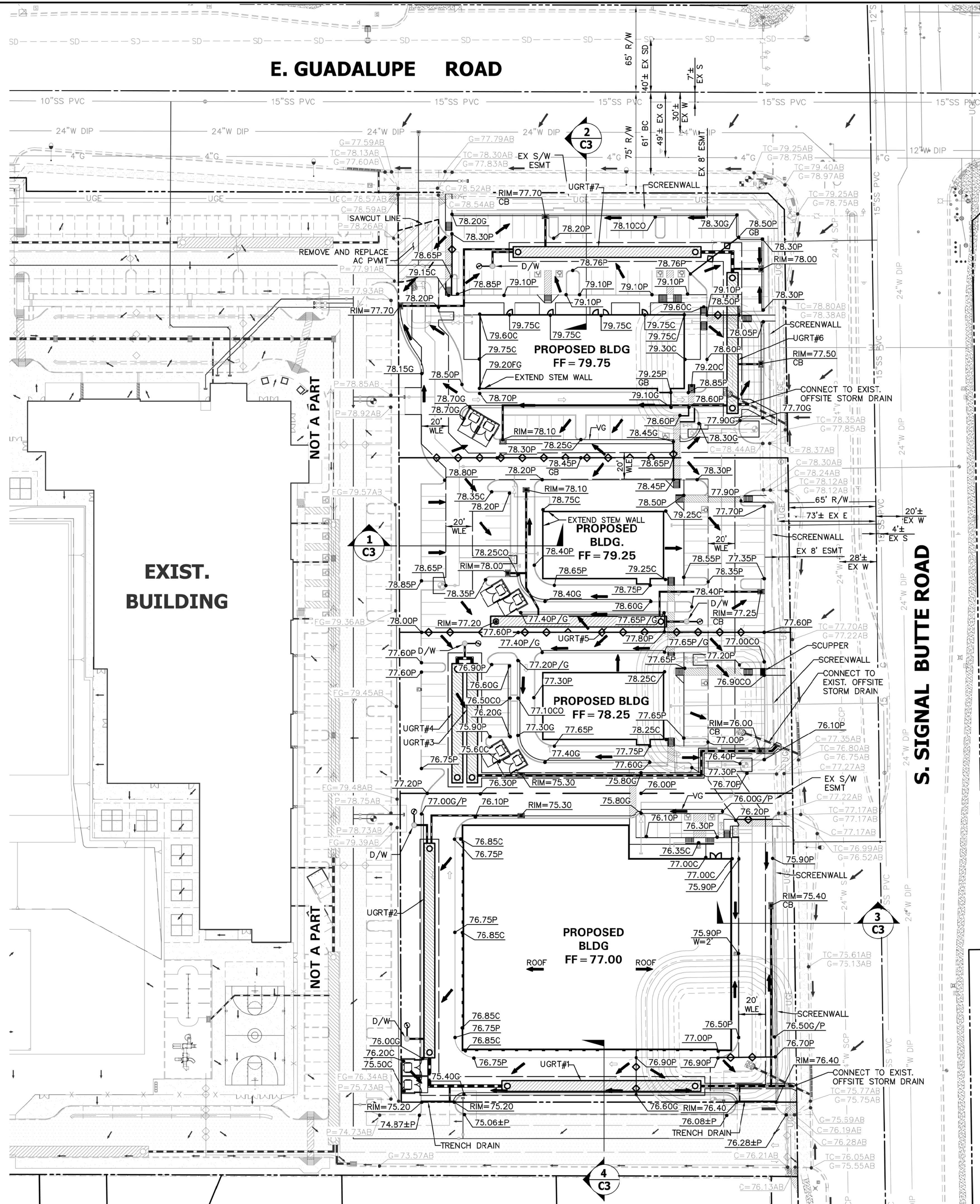
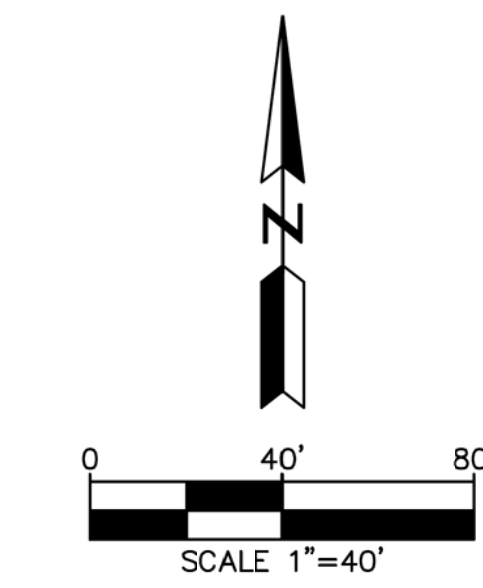




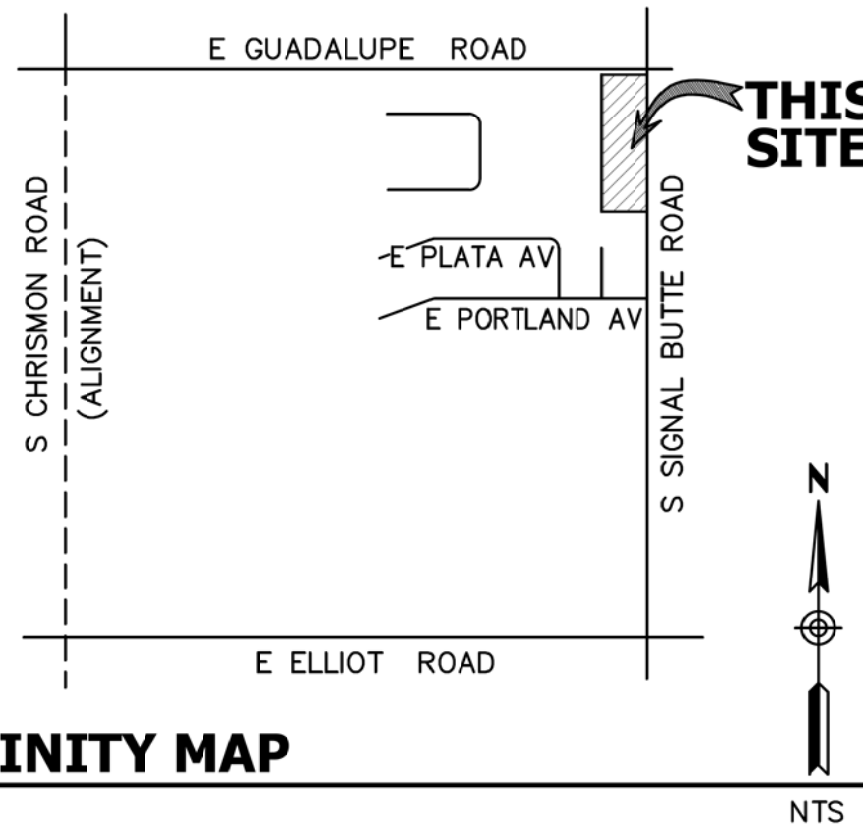
CONCEPTUAL GRADING AND DRAINAGE PLAN

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
 - UNDERGROUND RETENTION TANK (UGRT)



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

BASIS OF BEARING

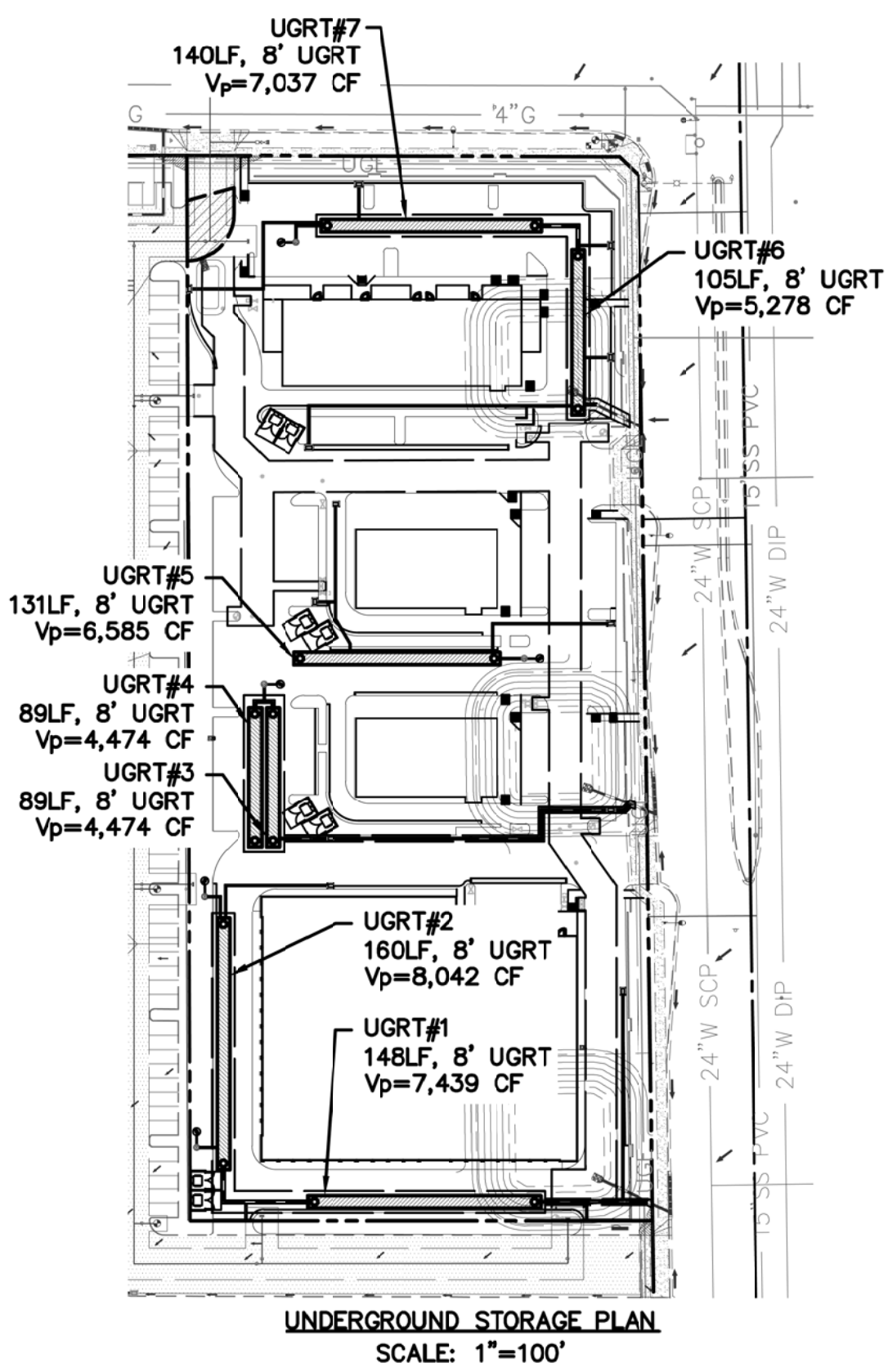
BASIS OF BEARING FOR THIS SURVEY IS THE MONUMENT LINE OF SIGNAL BUTTE ROAD, ALSO BEING THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 11, USING THE BEARING OF SOUTH 00°14'42" EAST PER SPECIAL WARRANTY DEED RECORDED IN DOCUMENT NO.98-0495476, MARICOPA COUNTY RECORDS.

RETENTION CALCULATIONS

TOTAL SITE AREA INCLUDING OFFSITE = 5.695 AC
ON-SITE = 4.511 AC
OFF-SITE = 1.180 AC
RETENTION REQUIRED:
VR=C*P/12*A, C=0.95, P=2.2
COMMERCIAL VR = 34,224 CU.FT.
OFF-SITE VR = 8,952 CU.FT.
TOTAL REQUIRED = 43,176 CU.FT.
RETENTION PROVIDED:
UNDERGROUND RETENTION PIPE (8' DIA) 862FT=43,329 CU.FT.
TOTAL PROVIDED. 43,329 CU.FT.
TOTAL REQUIRED. 43,176 CU.FT.
TOTAL EXCESS. 153 CU.FT.

EARTHWORK QUANTITIES

CUT: 12,889 CY
FILL: 20 CY
NET: 12,869 CY CUT
* EARTHWORK PROVIDED FOR PERMITTING PURPOSES ONLY. CONTRACTOR TO PROVIDE OWN CALCULATIONS FOR CONSTRUCTION PURPOSES.



BY: _____
REVISION: _____
DATE: _____
NO. _____

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

CIVIL AND SURVEY

HUNTER
ENGINEERING
10450 NORTH 74TH STREET, SUITE 200
SCOTTSDALE, ARIZONA 85258
T 480 991 3985
F 480 991 3986

JEFF M. HUNTER
35249
NO. 35249
STATE OF ARIZONA
PROFESSIONAL ENGINEER

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

CONTACT AREA AT AT LEAST 2" R/W
MARKING HAS BEEN EXAMINED

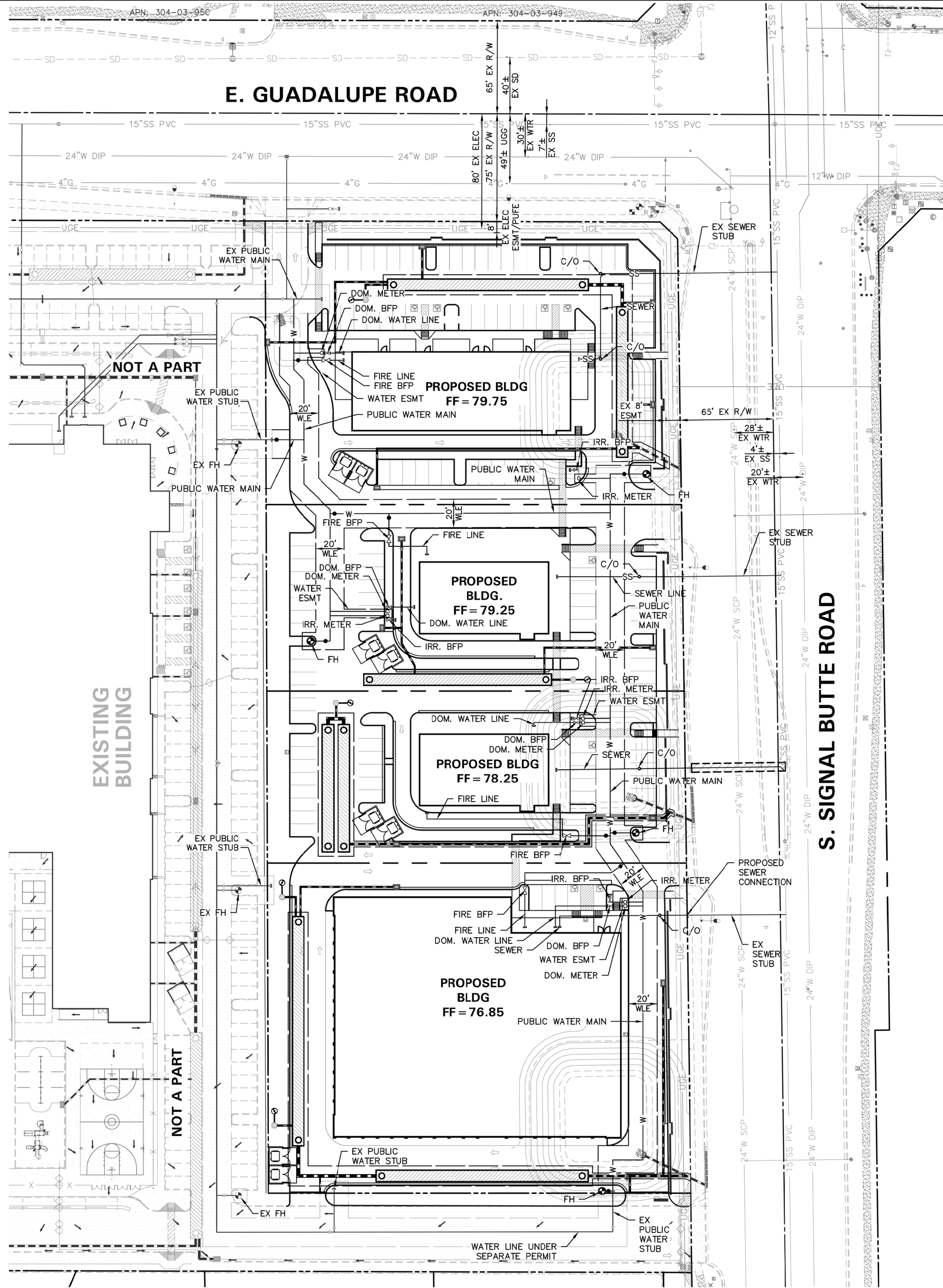
AR ZONAB11
CALL 811 OR CLICK ARZONAB11.COM

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

HE JOB NO.:
PROV002

SCALE
1"=40'

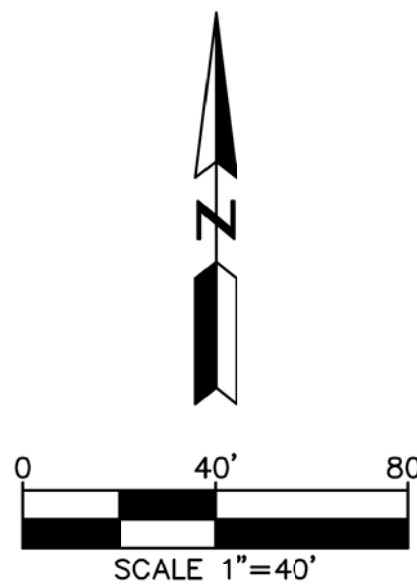
SHEET
C1



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

- | | |
|--------|--------------------------|
| 5" W | EXISTING WATERLINE |
| 15" SS | EXISTING SEWERLINE |
| --- | CENTERLINE |
| --- | PROPERTY LINE |
| --- | RIGHT-OF-WAY LINE |
| --- | EASEMENT LINE |
| ⊗ | TAPPING VALVE AND SLEEVE |
| ▲ | REDUCER |
| ⊗ | BACKFLOW PREVENTER |
| □ | METER BOX |
| ⊗ | WATER VALVE |
| ⊗ | CAP |
| ⊗ | FIRE HYDRANT |
| ○ | CLEANOUT |
| SS | SEWER LINE |
| W | WATER LINE |

NO.	DATE	REVISION	BY

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



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

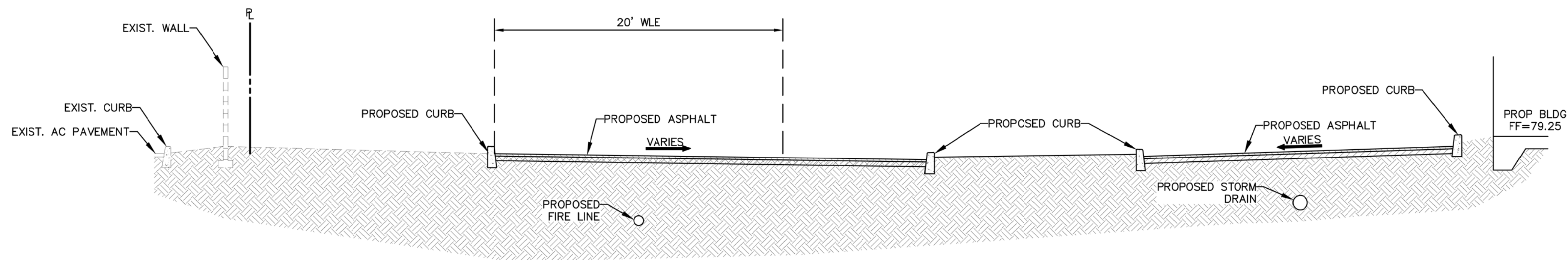


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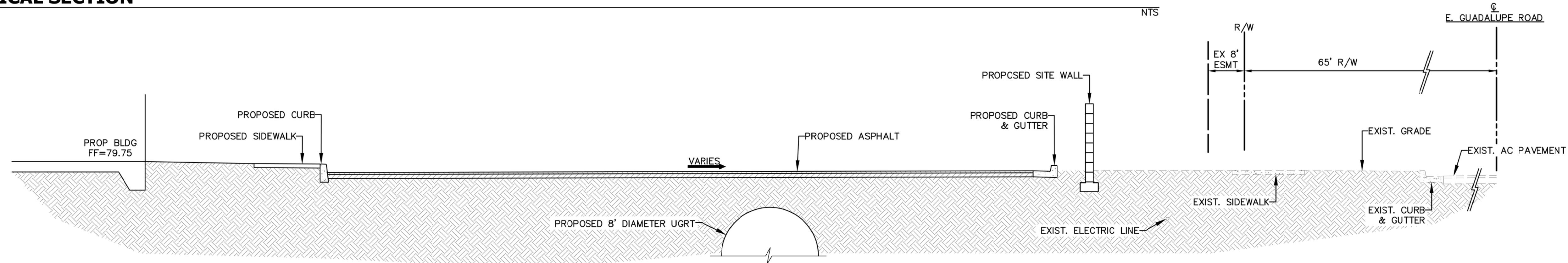
HE JOB NO.:
PROV002

SCALE
1"=40'

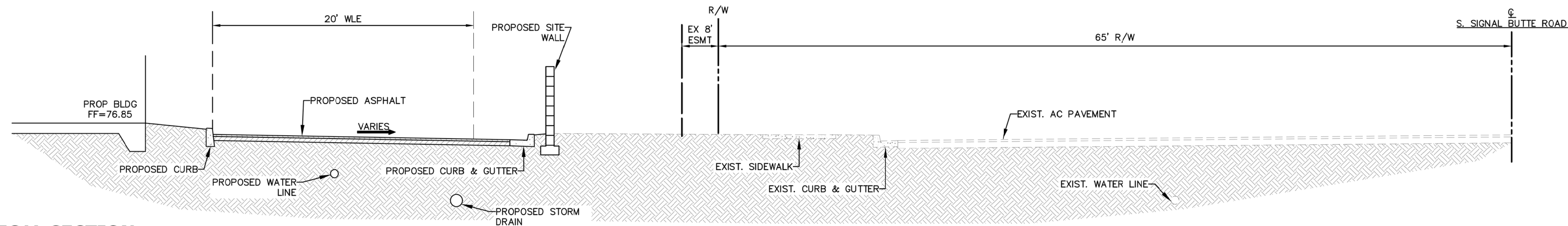
SHEET
C2



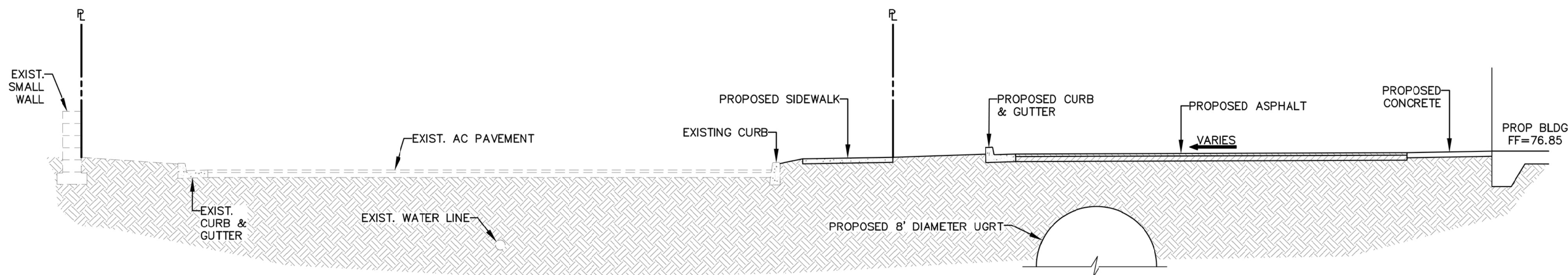
1 TYPICAL SECTION



2 TYPICAL SECTION



3 TYPICAL SECTION



4 TYPICAL SECTION

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
T 480 991 3386
F 480 991 3986



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

CONTACT ARIZONA AT AT LEAST 2 HOURS
BEFORE ANY EXCAVATION
AR ZONAB11
CALL 811 OR CLICK ARIZONAB11.COM

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HE JOB NO.:
PROV002

SCALE
NTS

SHEET
C3