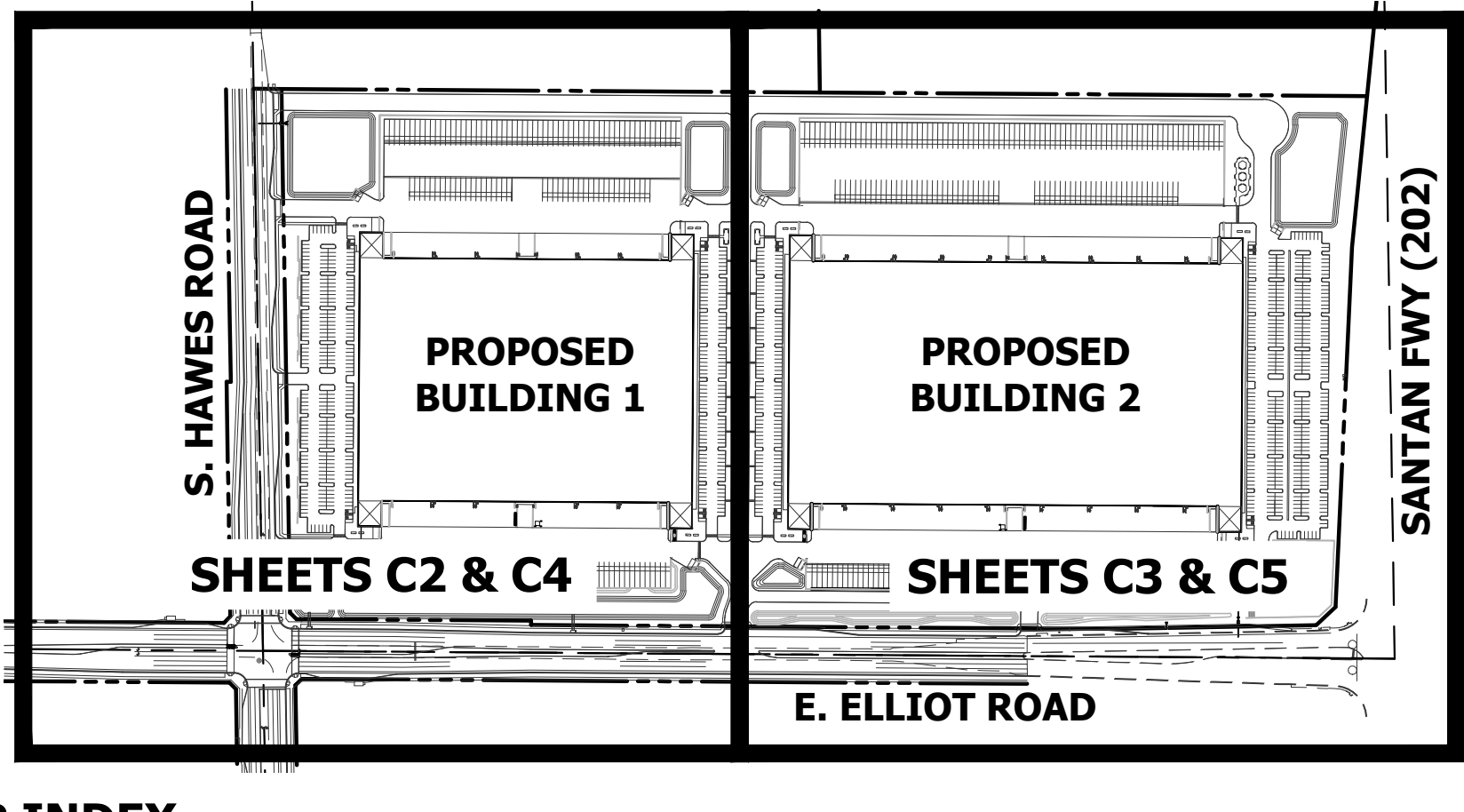


CONCEPTUAL GRADING, DRAINAGE, AND UTILITY PLAN
FOR
E202
202 AND ELLIOT
MESA, ARIZONA 85212

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 9, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA,



FEMA INFORMATION

THE CURRENT FEMA FLOOD INSURANCE RATE MAP (FIRM) FOR THIS AREA, MAP NUMBER 04013C 2760L (EFFECTIVE REVISED DATE OCTOBER 16, 2013), DESIGNATES THE PROPERTY WITHIN FLOOD HAZARD ZONE X
ZONE: X IS DEFINED AS 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.

LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF MARICOPA, STATE OF ARIZONA, AND IS DESCRIBED AS FOLLOWS:
A PORTION OF THE SOUTHWEST QUARTER OF SECTION 9, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A BRASS CAP IN HANDHOLE MARKING THE SOUTHWEST CORNER OF SAID SECTION 9; FROM WHICH A BRASS CAP FLUSH MARKING THE WEST QUARTER CORNER OF SAID SECTION 9 BEARS NORTH 00°57'01" WEST, A DISTANCE OF 2635.59 FEET;
THENCE NORTH 00°57'01" WEST, ALONG THE WEST LINE OF THE SOUTHWEST QUARTER OF SAID SAECTION 9, A DISTANCE OF 88.50 FEET;
THENCE NORTH 89°02'59" EAST, A DISTANCE OF 65.00 FEET TO A POINT ON A LINE PARALLEL WITH AND 65.00 FEET EAST OF THE WEST LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 9, SAID POINT ALSO BEING THE POINT OF BEGINNING;
THENCE NORTH 00°57'01" WEST, ALONG SAID PARALLEL LINE, A DISTANCE OF 1228.02 FEET;
THENCE SOUTH 89°37'32" EAST, A DISTANCE OF 2546.02 FEET TO A POINT ON THE WEST RIGHT OF WAY OF THE SANTAN FREEWAY, AS DEFINED IN CONTROL ACCESS DOCUMENT RECORDED AS 2005-0648908, MCR;
THENCE SOUTH 05°43'54" WEST, A DISTANCE OF 356.04 FEET;
THENCE SOUTH 02°36'41" WEST, A DISTANCE OF 844.63 FEET;
THENCE SOUTH 46°50'16" WEST, A DISTANCE OF 62.31 FEET;
THENCE SOUTH 88°55'48" WEST, A DISTANCE OF 472.08 FEET;
THENCE NORTH 89°36'28" WEST, ALONG A LINE PARALLEL WITH AND 65.00 FEET NORTH OF THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 9, A DISTANCE OF 1368.82 FEET;
THENCE NORTH 00°23'32" EAST, A DISTANCE OF 10.00 FEET;
THENCE NORTH 89°36'28" WEST, ALONG A LINE PARALLEL WITH AND 75.00 FEET NORTH OF THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 9, A DISTANCE OF 550.15 FEET;
THENCE NORTH 45°16'44" WEST, A DISTANCE OF 21.47 FEET TO THE POINT OF BEGINNING.
SAID DESCRIPTION CONTAINING 71.41 ACRES ±.

MAP INDEX

SHEET INDEX

Table with 2 columns: Description and Sheet Number. Rows include Conceptual Cover Sheet (.C1), Conceptual Grading and Drainage Plan (.C2-C3), Conceptual Utility Plan (.C4-C5), and Typical Cross Section (.C6).

EXISTING LEGEND

Table listing existing features and their symbols: Right of Way, Property Line, Centerline, Easement Line, Water Line, Sanitary Sewer Line, Spot Elevation, Fire Hydrant, Water Valve, Irrigation Control Valve, Sanitary Sewer Manhole, Sanitary Sewer Cleanout, Sign, Light Pole, Electrical Riser, Electrical Cabinet.

PROPOSED LEGEND

Table listing proposed features and their symbols: Direction of Slope, Sewer Line, Water Line, Fire Line, Easement, Sawcut, Grade Break, Catch Basin, Drywell, Spot Elevation, Section Callout, Flow Line, Backflow Preventor, Tapping Sleeve & Valve, Sanitary Sewer Cleanout, Storm Drain Pipe.

ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Lists various surveying and engineering terms like APN, B/C, BOT, BRW, BVC, C, C&G, CY, DE, DW, EA, EL, EP, ESMT, EVC, EX, EXG, F/C, FF, FG, FL, FT/FT, FM, G, GB, GR, HP, HW, IE, IRR, LF, LP, MCR, ML, M, MUTE, NTS, OHE, PAE, PDE, P, POB, POC, PUE, PUF, PVI, PVM, P/C, RCW, R/W, SD, SF, SS, S/W, STA, SY, TC, TEL, TF, THR, TPOB, TRW, TS, TW, UGFO, UGE, UGT, UTS, VCP, VG, VNAE, VOL, VP, VR, W, WLE, WTP, WWTP.

OWNER

MARWEST ENTERPRISES, LLC
6710 N. SCOTTSDALE RD 140
SCOTTSDALE, ARIZONA 85253
CONTACT: DAVID MARTENS, JD/ MBA
PHONE: (602) 390-5403

ARCHITECT

WARE MALCOMB
8181 N. VIA DE NEGOCIO
SCOTTSDALE, ARIZONA 85258
PHONE: (480) 800-5291
PHONE: (480) 767-1001
CONTACT: ERIC ZITNY, AIA
EMAIL: EZITNY@WAREMALCOMB.COM

CIVIL ENGINEER

HUNTER ENGINEERING, INC.
10450 N. 74TH STREET, SUITE #200
SCOTTSDALE, ARIZONA 85258
PHONE: (480) 991-3985
CONTACT: LARRY TALBOTT, V.P.
EMAIL: LTALBOTT@HUNTERENGINEERINGPC.COM

VICINITY MAP

APN #

304-03-043A AND 304-03-042A

SITE ACREAGE

TOTAL NET AREA = 71.409 ACRES
TOTAL GROSS AREA = 77.264 ACRES

BENCHMARK

CITY OF MESA BRASS TAG ON TOP OF CURB AT THE NORTHEAST CORNER OF HWY 202 FREEWAY AND POWER ROAD. ELEVATION= 1324.10 (CITY OF MESA NAVD88 DATUM)
ONSITE BENCHMARK #1: IRON BAR IN MEDIAN OF RAY ROAD, 1600"± WEST OF PROPERTY. ELEVATION= 1346.71.
ONSITE BENCHMARK #2: NORTH BOLT ON FIRE HYDRANT WITH TAG STAMPED "BURY". ELEVATION= 1354.88.

BASIS OF BEARING

BASIS OF BEARING FOR THIS SURVEY IS A BEARING OF SOUTH 00 DEGREES 57 MINUTES 01 SECONDS EAST ALONG THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 9, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, ACCORDING TO THE COMMITMENT FOR TITLE INSURANCE ISSUED BY FIRST ARIZONA TITLE AGENCY, LLC, COMMITMENT NO.: 11-208450, COMMITMENT DATE: AUGUST 12, 2020 8:00 AM

RETENTION CALCULATIONS

TOTAL ONSITE AREA: 71.409 AC
TOTAL OFFSITE AREA: 5.855 AC
RETENTION REQUIRED:
VR=(C)*(P/12)*(A) P=2.2
VR=(0.90)*(2.2/12)*(71.409)*(43,560) = 513,245 CF ONSITE

VR=(C)*(P/12)*(A) P=2.2
VR=(0.95)*(2.2/12)*(5.855)*(43,560) = 44,420 CF OFFSITE

TOTAL REQUIRED = 557,665 CU.FT.

RETENTION PROVIDED:

Table with 2 columns: Basin/Feature and Volume. Rows include Basin 1, Basin 1A, Basin 2, Basin 3, Basin 4, Basin 5, Basin 6, Basin 7, and TOTAL.

TOTAL PROVIDED = 562,249 CU.FT.

RETENTION TOTALS:

Table with 2 columns: Description and Volume. Rows include TOTAL REQUIRED, TOTAL PROVIDED, and TOTAL EXCESS.

Table with 4 columns: NO., DATE, REVISION, BY. Includes a PURPOSE: CONCEPT SUBMITTAL label.

DESIGN BY: LT
DRAWN BY: DFK
CHECKED BY: LT

HUNTER ENGINEERING logo and contact information: 10450 NORTH 74TH STREET, SUITE 200, SCOTTSDALE, AZ 85258, T 480 991 3985, F 480 991 3986.



CONCEPTUAL COVER SHEET
FOR
E202
202 AND ELLIOT
MESA, ARIZONA 85212

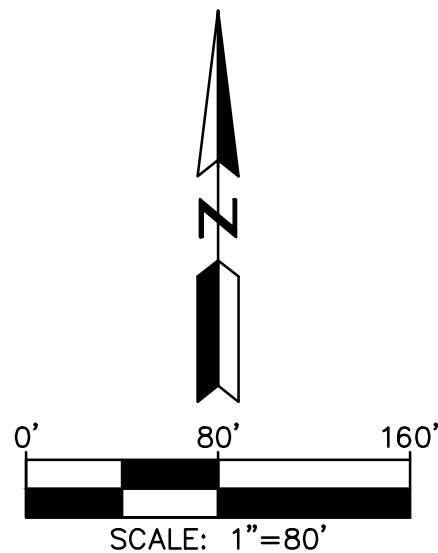
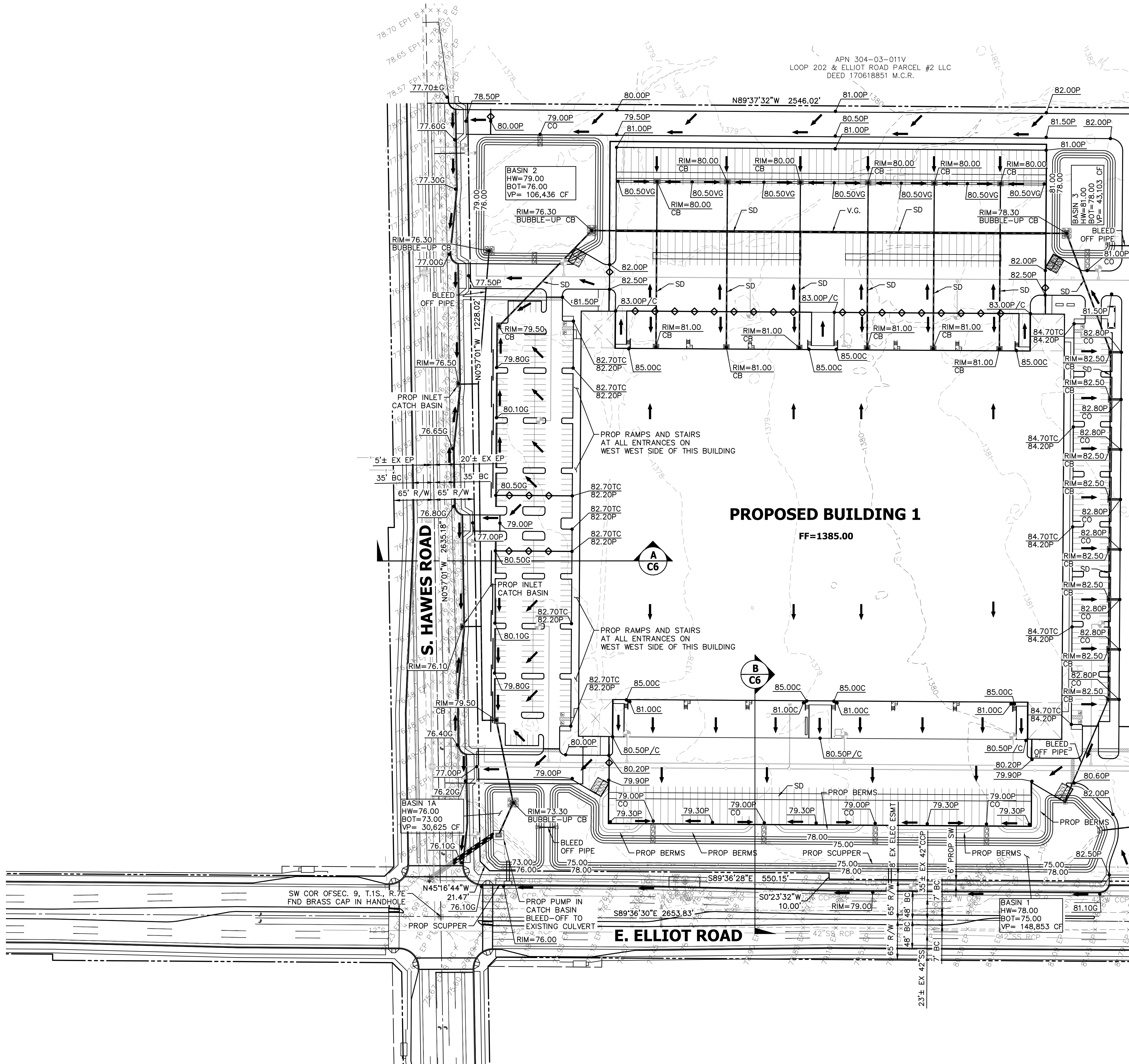


THESE PLANS ARE NOT APPROVED FOR CONSTRUCTION WITHOUT AN APPROVED SIGNATURE FROM THE GOVERNING MUNICIPALITY.

PROJECT NAME: E202

HE NO.: MARWOOB
SCALE: NTS

SHEET: C1



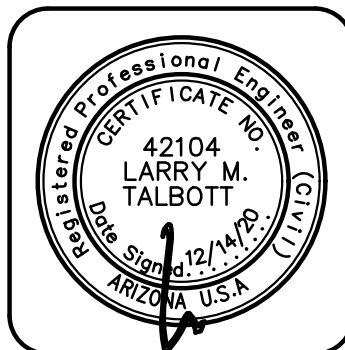
MATCH LINE - SEE SHEET C3

NO.	DATE	REVISION	BY

DESIGN BY: LT
DRAWN BY: DFK
CHECKED BY: LT

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

CIVIL AND SURVEY



CONCEPTUAL GRADING & DRAINAGE PLAN
FOR
E202
202 AND ELLIOT
MESA, ARIZONA 85212

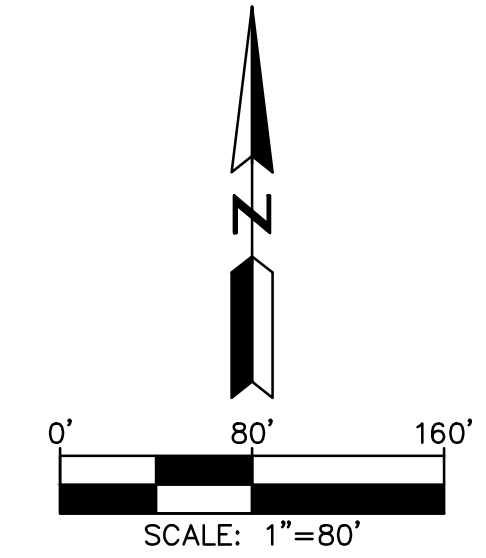
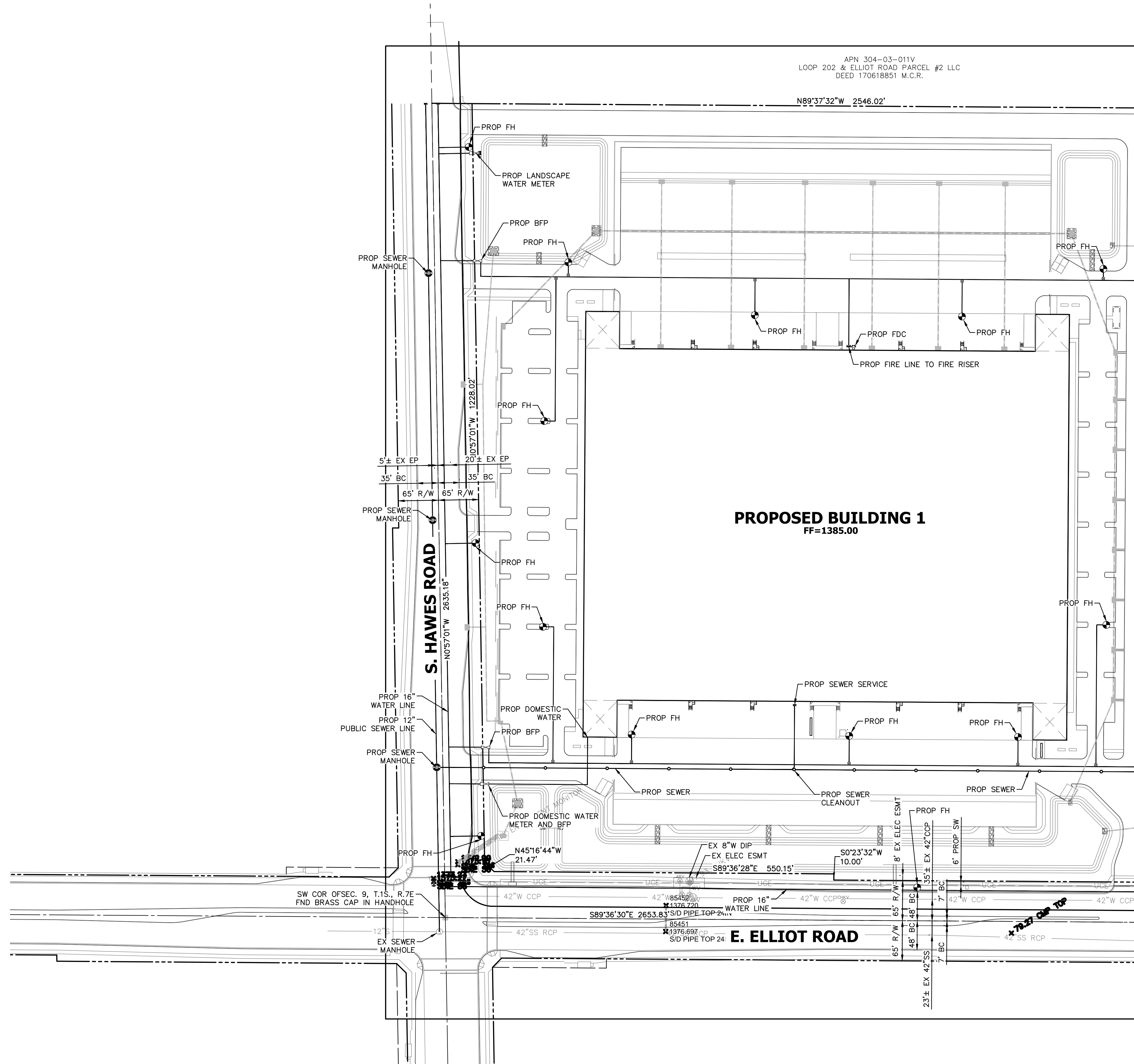


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PROJECT NAME:
E202

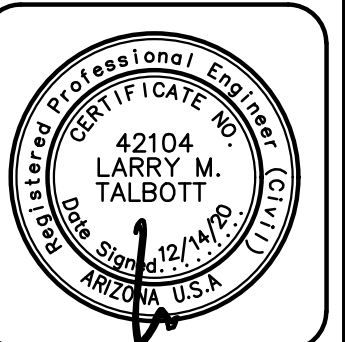
HE NO.: MARW008
SCALE: 1"=80'

SHEET:
C2

[illegible]

DESIGN BY: LT
DRAWN BY: DFK
CHECKED BY: LT

HUNTER
ENGINEERING
CIVIL AND SURVEY
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SCOTTSDALE, AZ 85258
T 480 991 3985
F 480 991 3986



**CONCEPTUAL UTILITY PLAN
FOR
E202
202 AND ELLIOT
MESA, ARIZONA 85212**

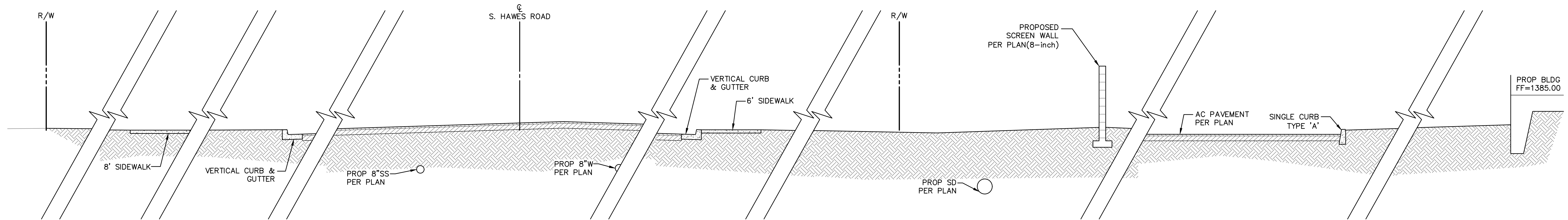


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FROM THE GOVERNING
MUNICIPALITY.

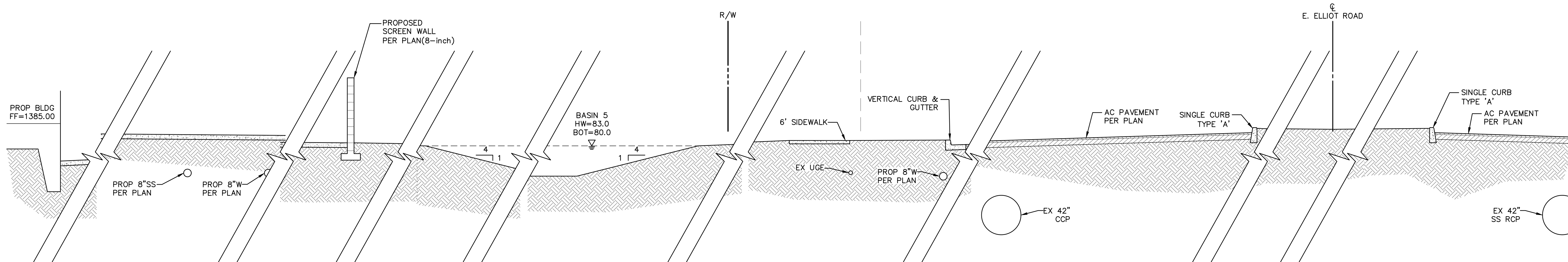
PROJECT NAME:
E202

THE NO.: MARW008
SCALE: 1"=80'

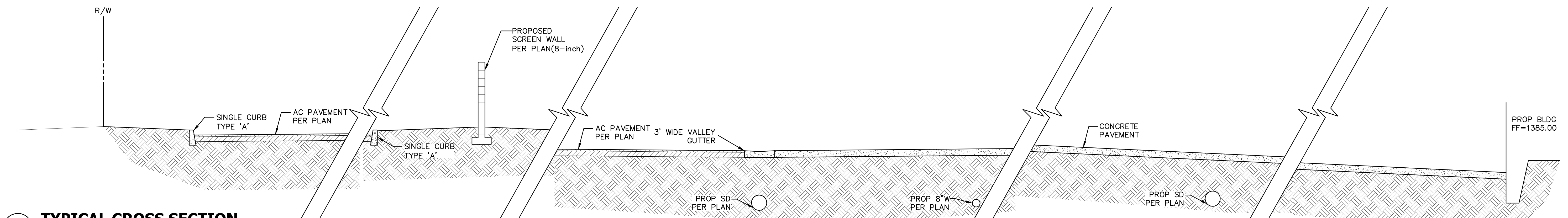
SHEET:
C4



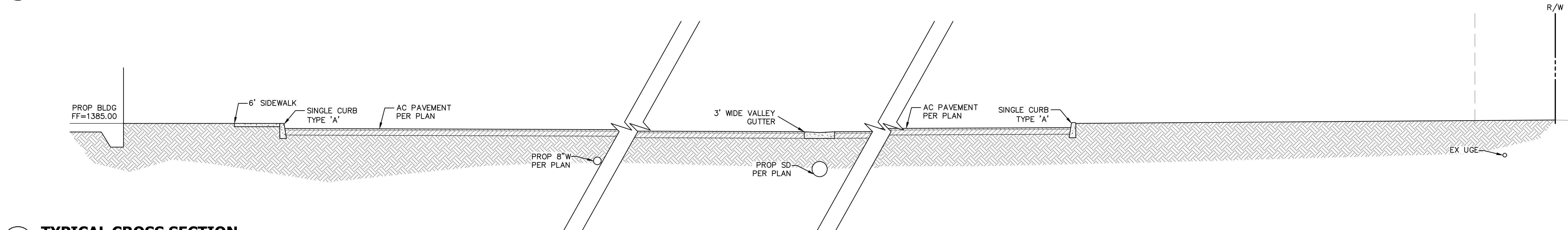
A TYPICAL CROSS SECTION



B TYPICAL CROSS SECTION



C TYPICAL CROSS SECTION

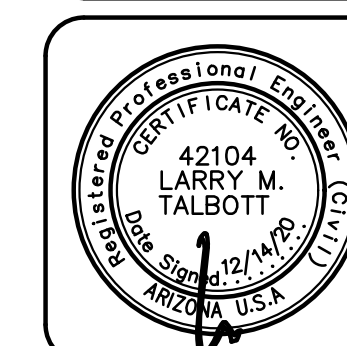


D TYPICAL CROSS SECTION

NO.	DATE	REVISION	BY

DESIGN BY: LT
DRAWN BY: DFK
CHECKED BY: LT

HUNTER
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T 480 991 3985
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TYPICAL CROSS SECTION FOR E202 202 AND ELLIOT MESA, ARIZONA 85212



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PROJECT NAME: E202

HE NO.: MARW008
SCALE: NTS

SHEET: **C6**