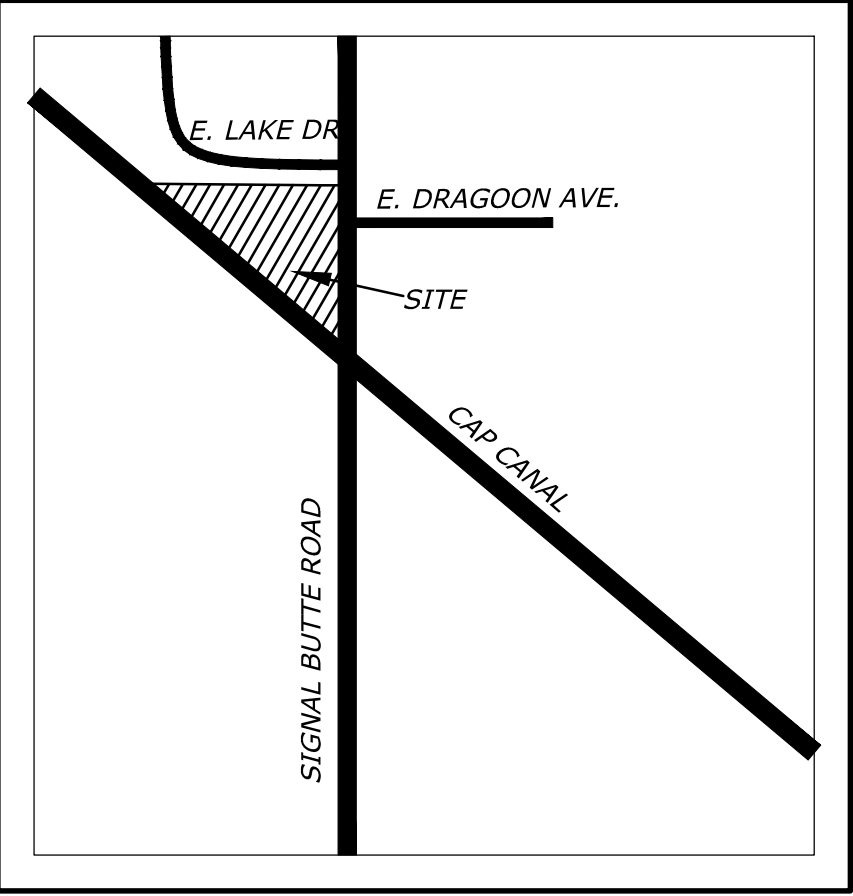
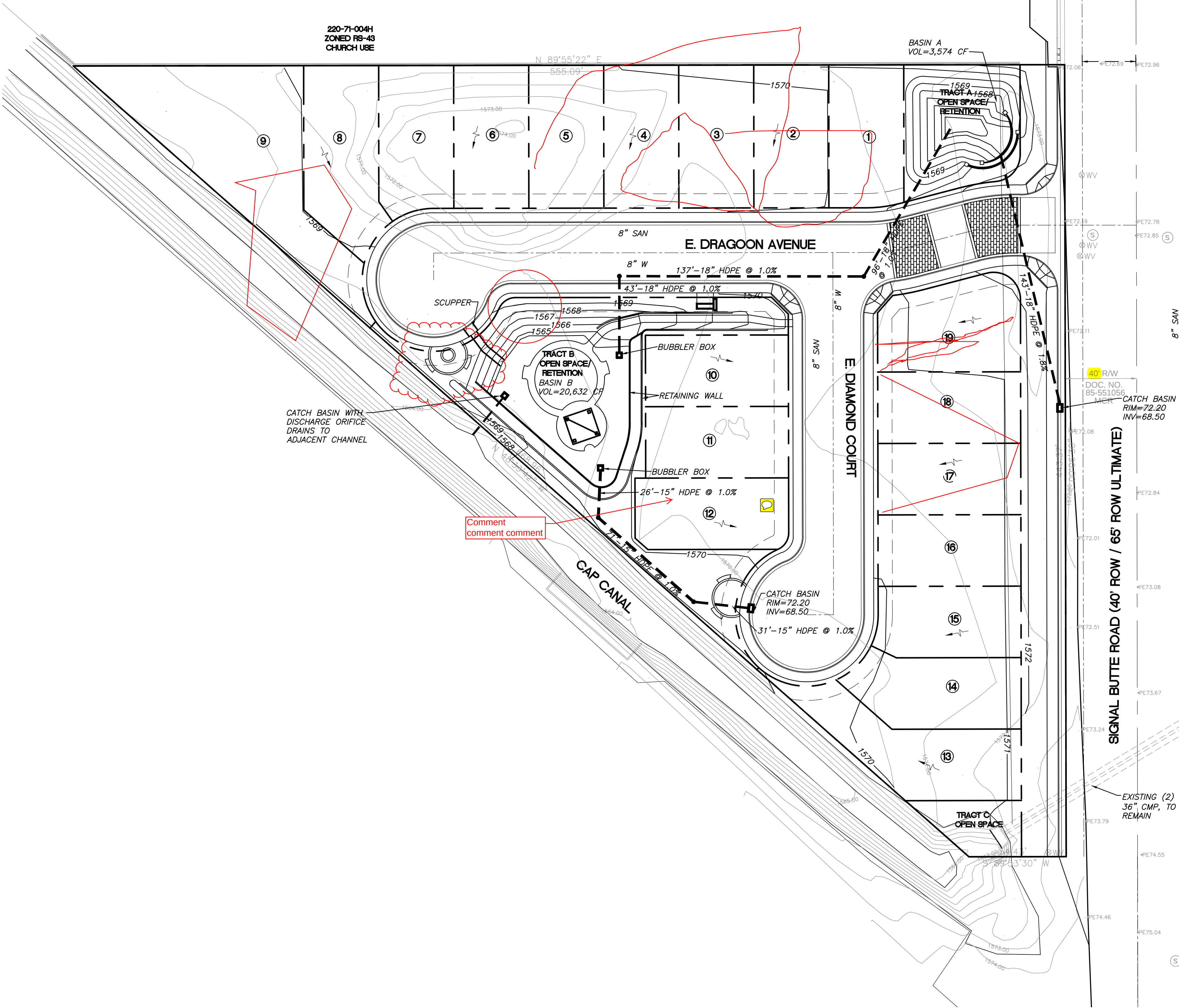


PRELIMINARY GRADING AND DRAINAGE PLAN
FOR
DIAMOND COURT
MESA, ARIZONA

A PORTION OF THE NORTHEAST QUARTER OF SECTION 26, TOWNSHIP 1 NORTH,
RANGE 7 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, ARIZONA
S. OF SWC OF SIGNAL BUTTE AND BROADWAY ROADS, MESA, ARIZONA



VICINITY MAP
NOT TO SCALE

OWNER / DEVELOPER:
NEWMARK HOMES
ATTN: JIM CARLSON
8080 E. GELDING DRIVE, SUITE 108B
SCOTTSDALE, AZ 85260
480.505.4600

APPLICANT:
PEW & LAKE, PLC
ATTN: SEAN LAKE
1744 S. VAL VISTA DRIVE, SUITE 217
MESA, AZ 85204
480.461.4670

ENGINEER:
RCC DESIGN GROUP, LLC
ATTN: STUART W. RAYBURN, P.E.
4505 E. CHANDLER BLVD., SUITE 265
PHOENIX, AZ 85048
480.598.0270
480.598.0273 FAX

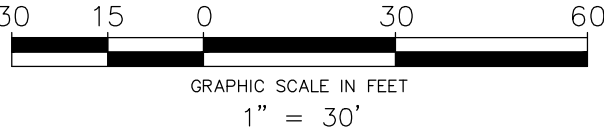
DESCRIPTION:
SMALL LOT SINGLE FAMILY RESIDENTIAL
SUBDIVISION WITH NOMINAL LOT SIZE OF
40' X 80' FOR 19 TOTAL LOTS. PROJECT
INCLUDES SUBSTANTIAL OPEN SPACE SPREAD
THROUGHOUT THE DEVELOPMENT.

SITE AREA:
GROSS SITE AREA = 135,130 SF
OR 3.102 ACRES
NET SITE AREA=124,064 SF
OR 2.848 ACRES

APN: 220-71-004F

BENCHMARK: CITY OF MESA BRASS TAG ON
TOP OF CONCRETE LOCATED AT THE
SOUTHEAST CORNER OF BROADWAY ROAD
AND SIGNAL BUTTE ROAD.
ELEVATION=1582.69, NAVD88 (CITY OF MESA
DATUM)

RETENTION CALCULATIONS:
A=152,880 SF OR 3.5096 AC (INCLUDING $\frac{1}{2}$ STREET)
C=0.82
P=2.3 IN/HR (100-YR, 2-HR STORM)
V-REQUIRED=(2.3/12)X(3.5096)X(0.82)=0.5516 AC-FT OR 24,028 CF
V-PROVIDED= 3,574 CF (BASIN A) + 20,632 CF (BASIN B) = 24,206 CF
STORMWATER DISCHARGE BY ORIFICE CONTROLLED GRAVITY OUTLET
INTO ADJACENT DRAINAGE CHANNEL



RCC
DESIGN
GROUP, LLC
"...WHATEVER IT TAKES."

4505 E. CHANDLER BLVD.
SUITE 265
PHOENIX, AZ 85048
480.598.0270
480.598.0273 FAX
CIVIL & SITE ENGINEERING SERVICES



PRELIMINARY GRADING AND DRAINAGE PLAN
FOR
DIAMOND COURT
S. OF SWC OF SIGNAL BUTTE AND BROADWAY ROADS
ARIZONA
MESA

PROJECT NO. 16-014-50
DRAWING NO. 00427
DATE: 05/30/16
DRAWN BY: JSR/SWR
CHECKED BY: JSR/SWR
REVISIONS:

SHEET NO.
C 1 G
1 OF 1
PRELIMINARY
GRADING AND
DRAINAGE PLAN