

GENERAL NOTES

- TOTAL AREA OF ALL NEW IMPERVIOUS SURFACES INCLUDING PAVEMENTS, SIDEWALKS, HARDSCAPE AND BUILDINGS IS 4.96 AC (216,168 S.F.)
- TOTAL VOLUME OF RAINWATER HARVESTING PROVIDED IS 2,724 CUBIC FEET.
- RAINWATER HARVESTING MEASURES EMPLOYED FOR THIS DEVELOPMENT CONSISTS OF THE FOLLOWING:
 - RAINWATER HARVESTING BASINS
 - DEPRESSED LANDSCAPE AREAS
- ALL RAINWATER HARVESTING MEASURES SHOWN ON THIS PLAN SHALL BE INTERGRATED INTO THE LANDSCAPE INSTALLATION AS WELL AS THE SITE GRADING CONSTRUCTION.
- ALL LOTS TO BE GRADED IN ACCORDANCE WITH THE TYPICAL FRONT YARD WATER HARVESTING DETAIL BELOW. DRIVEWAY AND LANDSCAPING MAY BE MIRRORED.
- EIGHTY (80) PERCENT OF ALL AREAS WITHIN LINEAR BUFFER YARDS, RECREATION AREAS AND COMMON AREAS TO BE GRADED TO A MINIMUM FOUR (4) INCHES FOR RAINWATER HARVESTING PURPOSES.
- ONLY THE LOT GRADING SCHEME(S) (SHOWN BELOW) IDENTIFIED WITHIN THE APPLICABLE GRADING SCHEME TABLE SHALL BE OFFERED TO THE INDIVIDUAL HOME BUYER FOR EACH LOT LISTED.

RAINWATER HARVESTING REQUIRED

AREA IMPERVIOUS COVER (AC) X 3,000 GAL/AC = VOLUME REQUIRED (GAL)
4.96 AC X 3,000 GAL/AC = 14,888 GALLONS = 1,990 CUBIC FEET

RAINWATER HARVESTING BASINS:

NOTE: PER DRAINAGE CRITERIA MANUAL (DCM) TOWN OF ORO VALLEY-2011 SECTION 11.8.3.1
THE MAXIMUM DEPTH OF ANY OF OPEN WATER HARVESTING BASIN SHALL BE 4".
CALCULATIONS BELOW ARE BASED ON DCM SECTION 11.8.3.1

RAINWATER HARVESTING PROVIDED

BASIN 6.6:	0	C.F.	GALLONS = 0
BASIN 6.8:	1,758	C.F.	GALLONS = 235
BASIN 6.9:	780	C.F.	GALLONS = 104
BASIN 6.10:	186	C.F.	GALLONS = 25

PLANT LEGEND

TREES

- CERCIDIUM MICROPHYLLUM
FOOTHILL PALO VERDE
- CERCIDIUM MICROPHYLLUM
FOOTHILL PALO VERDE
- CERCIDIUM MICROPHYLLUM
FOOTHILL PALO VERDE
- CERCIDIUM MICROPHYLLUM
FOOTHILL PALO VERDE
- CHILOPSIS LINEARIS 'WARREN JONES'
DESERT WILLO WARREN JONES
- PROSOPIS VELUTINA
VELVET MESQUITE
- PROSOPIS VELUTINA
VELVET MESQUITE
- PROSOPIS VELUTINA
VELVET MESQUITE
- PROSOPIS VELUTINA
VELVET MESQUITE

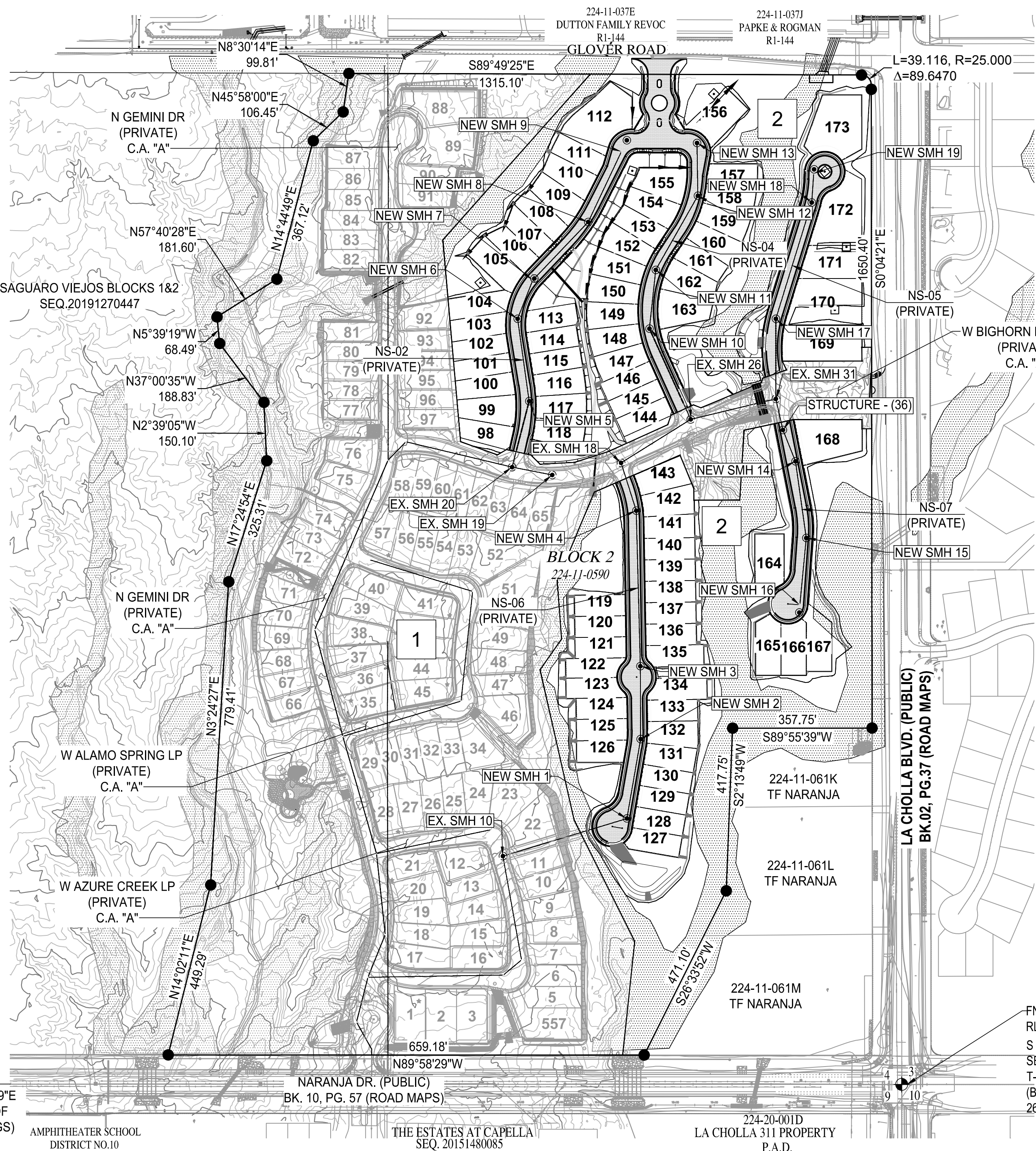
SHRUBS

- ACACIA CONSTRICTA
WHITETHORN ACACIA
- ACACIA GREGGII
CAT CLAW ACACIA
- CALLIANDRIA ERIOPHYLLA
PINK FAIRY DUSTER
- CELTIS PALLIDA
DESERT HACKBERRY
- CELTIS PALLIDA
DESERT HACKBERRY
- CORDIA PARVIFOLIA
LITTLE LEAF CORDIA
- DODONEA VISCOSA
GREEN HOPSEED BUSH
- MAYTENUS PHYLLANTHOIDES
MANGLE DULCE
- VIGUIERA DELTOIDEA
GOLDENEYE
- ZIZIPHUS OBUSIFOLIA
GRAYTHORN

ACCENTS

- AGAVE MURPHEYI
MURPHEY'S AGAVE
- CARNEGIEA GIGANTEA
SAGUARO
- CARNEGIEA GIGANTEA
SAGUARO
- DASYLIRION WHEELERI
DESERT SPOON
- EUPHORBIA ANTISYPHILITICA
CANDELILLA
- FEROCACTUS WISLIZENII
FISH-HOOK BARREL
- FOUQUIERIA SPENDENS
OCOTILLO
- HESPERALOE PARVIFLORA
RED YUCCA
- NOLINA MICROCARPA
BEAR GRASS
- PENIOCEREUS GREGGII
NIGHT-BLOOMING CEREUS
- YUCCA ELATA
SOAP TREE YUCCA

RAINWATER HARVESTING PLAN
SAGUAROS VIEJOS EASTSIDE (PHASE 2)
LOTS 98-173 AND COMMON AREAS "A" AND "B"
1902999



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DEVELOPER

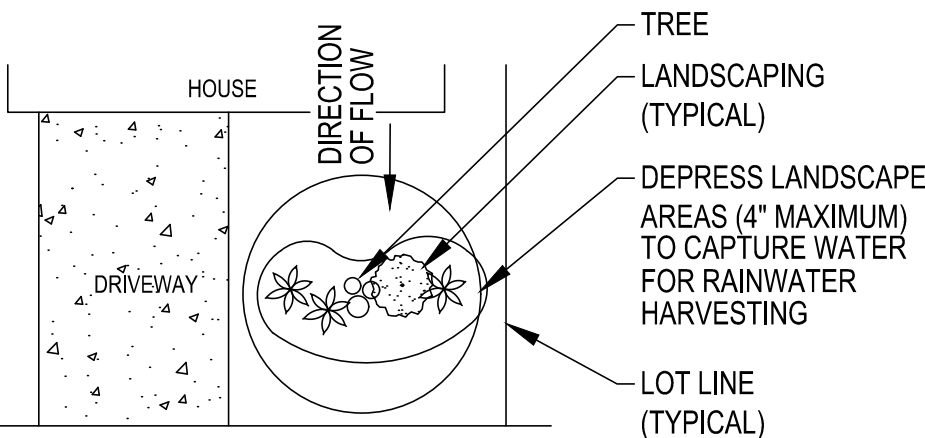
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LISA.HOSKIN@MERITAGEHOMES.COM



PROJECT LAYOUT
SCALE 1"=150'

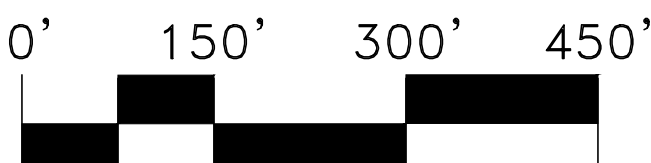
SHEET INDEX

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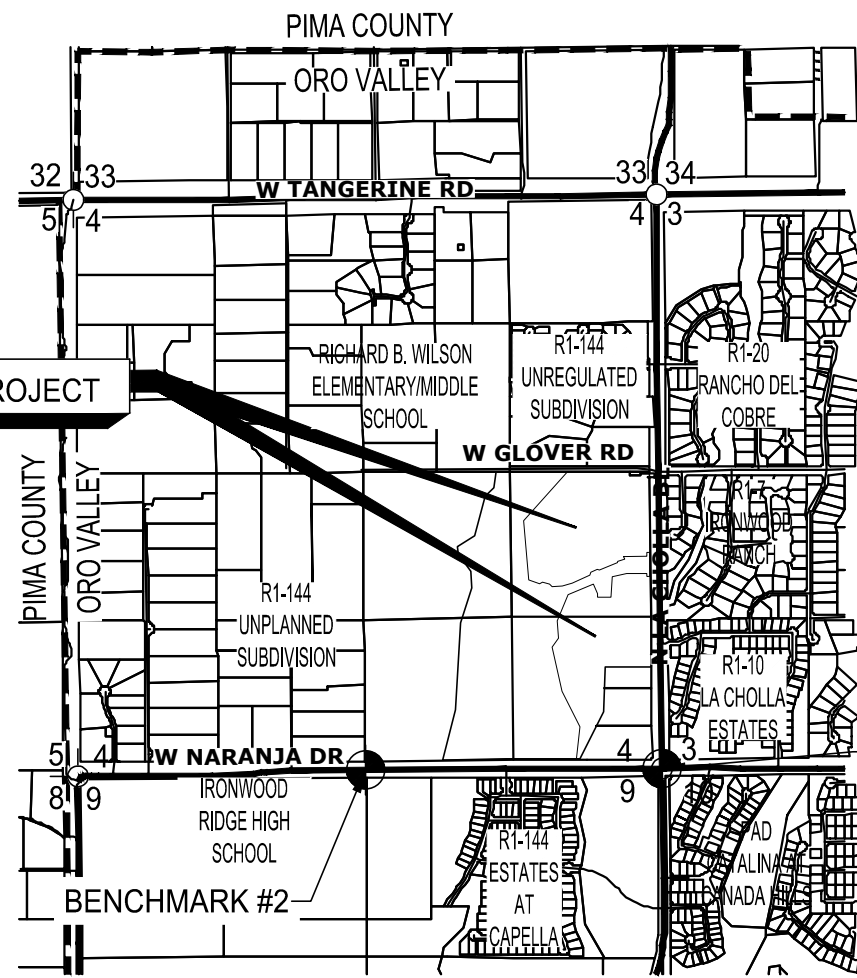
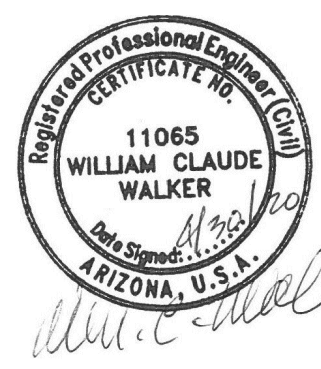
TYPICAL FRONT YARD WATER HARVESTING
SCALE: NTS

PROJECT OVERVIEW



APPROVAL

PLANNING & ZONING ADMINISTRATOR	DATE
TOWN ENGINEER	DATE



LOCATION MAP

A PORTION OF THE SOUTHEAST QUARTER OF SECTION 4, T. 12 S., R. 13 E., G&SRB&M, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING 100-YEAR FLOODPLAIN LINE
- PROPOSED 100-YEAR FLOODPLAIN LINE
- PROPOSED EROSION HAZARD SETBACK LINE
- EXISTING 404 JD-WASH
- RIPARIAN AREA
- SECTION LINE
- PROJECT BOUNDARY
- PROPOSED RIGHT-OF-WAY
- PROPOSED LOT LINE
- PROPOSED EASEMENT LINE AS NOTED
- EXISTING EASEMENT LINE AS NOTED
- SIGHT VISIBILITY TRIANGLE (SVT)
- EXISTING PUBLIC SEWER LINE & MANHOLE
- EXISTING PUBLIC WATERLINE & VALVE
- PROPOSED CULVERT
- EXISTING CULVERT
- EXISTING PAVEMENT
- EXISTING FENCE
- NEW PUBLIC SEWER LINE & MANHOLE
- NEW HCS & CLEANOUT
- PROPOSED PUBLIC WATERLINE & VALVE
- PROPOSED WATER METER
- PROPOSED PUBLIC WATERLINE BENDS
- PROPOSED FIRE HYDRANT
- PROPOSED TEP EQUIPMENT
- PROPOSED STORM DRAIN W/CATCH BASIN
- PROPOSED ROCK RIPRAP
- PROPOSED ASPHALT PAVEMENT
- PROPOSED STABILIZED TREATMENT
- TOP OF SLOPE (SLOPES < 3:1 UNLESS NOTED)
- BOTTOM OF SLOPE
- PROPOSED CONCRETE VERTICAL CURB
- PROPOSED CONCRETE WEDGE CURB
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CURB ACCESS RAMPS
- FFE=10.89
FPE=10.22
- FFE: PROPOSED FINISHED FLOOR ELEVATION
FPE: PROPOSED FINISHED PAD ELEVATION
- SHEET MATCH LINE
- DEVELOPED WATERSHEDS
- GRADING LIMITS
- SAGUAROS TO BE PRESERVED IN PLACE

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RAINWATER HARVESTING PLAN
SAGUAROS VIEJOS EAST (PHASE 2)

LOTS 98 THRU 173 AND COMMON AREA "A" (PRIVATE STREETS) AND COMMON AREA "B" (LANDSCAPED & NATURAL OPEN SPACE, DRAINAGE & RECREATION AREA)

BEING A PORTION OF SECTION 4, TOWNSHIP 12 SOUTH, RANGE 13 EAST GILA & SALT RIVER MERIDIAN, ORO VALLEY, PIMA COUNTY, ARIZONA

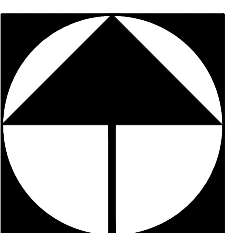
APRIL 2020
WLB NO. 199032-B005
PROPOSED CONTOUR INTERVAL: 1'

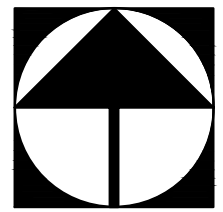
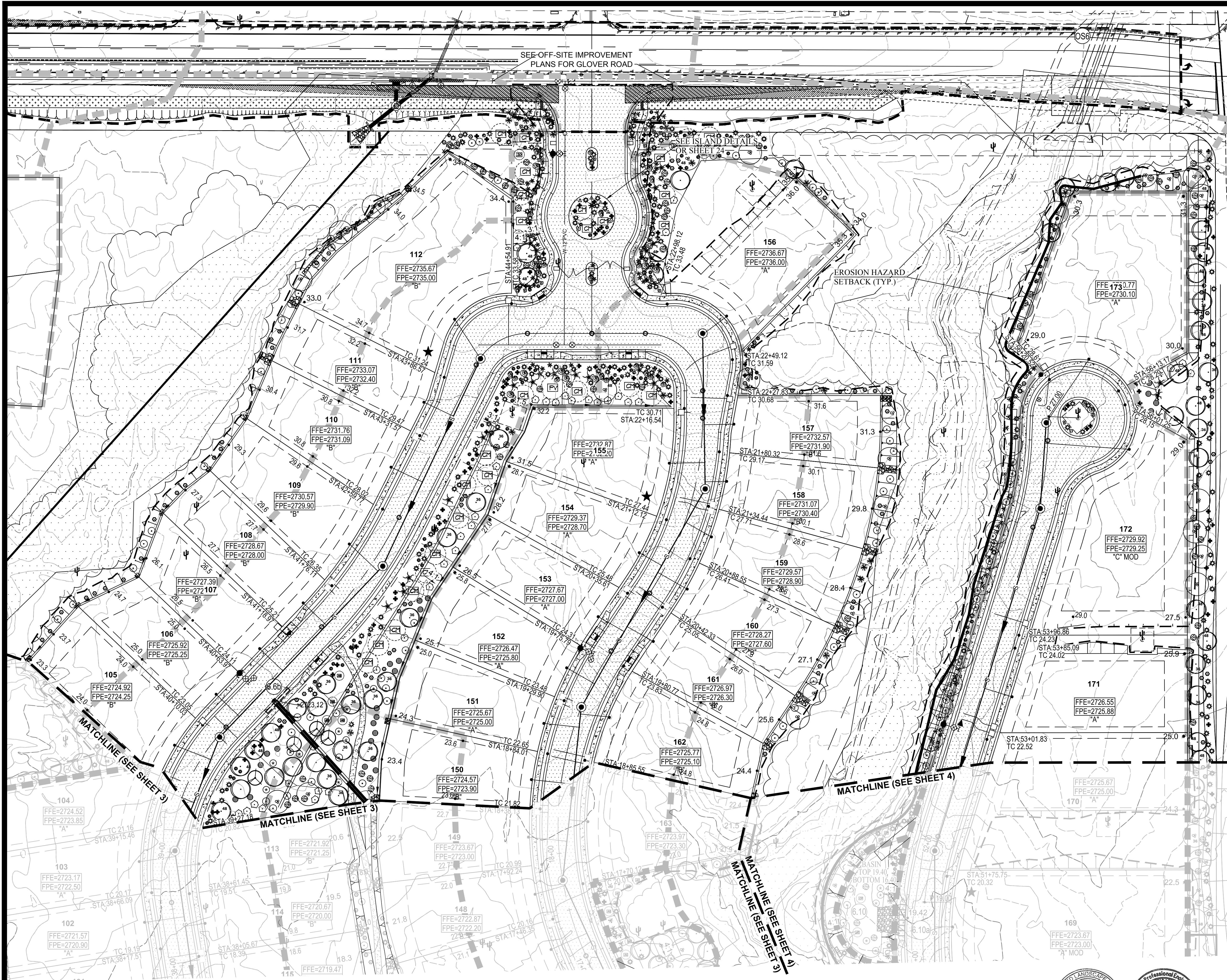
REF. CASE #: OV1701685
OV1602876

SCALE: AS NOTED SHEET 1 OF 5

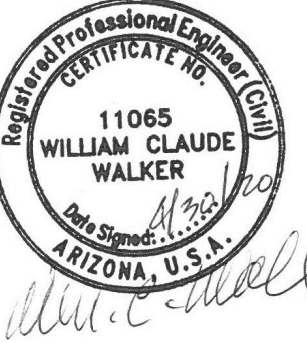
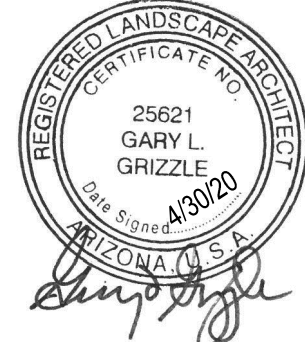
The WLB Group

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GILA & SALT RIVER MERIDIAN, ORO VALLEY, PIMA COUNTY, ARIZONA



APRIL 2020
WLB NO. 199032-B005
PROPOSED CONTOUR INTERVAL: 1' SCALE: 1"=40'

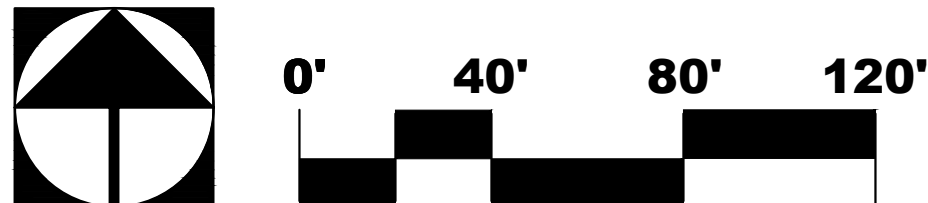
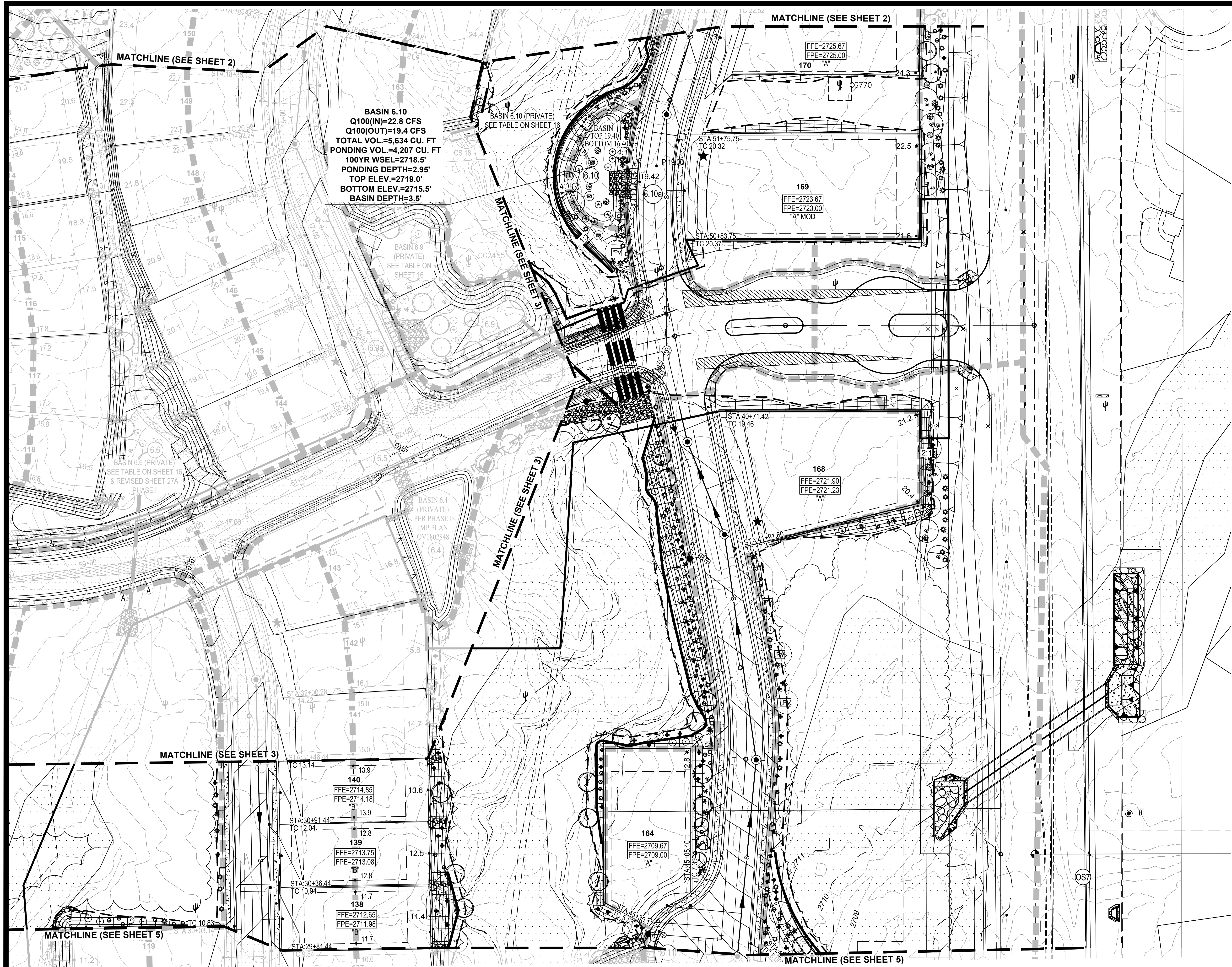
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SHEET 2 OF 5

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Contact Arizona 911 at least two full
working days before you begin excavation

ARIZONA 911

Call 911 or click Arizona911.com

REGISTERED LANDSCAPE ARCHITECT
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GARY L.
GRIZZLE
ARIZONA, U.S.A.
4/20/20

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
11065
WILLIAM CLAUDE
WALKER
ARIZONA, U.S.A.
4/20/20



BASIN 6.8
Q100(IN)=25.5 CFS
Q100(OUT)=15.4 CFS
TOTAL VOL.=20,123 CU. FT
PONDING VOL.=11,625 CU. FT
100YR WSEL=2693.4'
PONDING DEPTH=1.89'
TOP ELEV.=2694.5'
BOTTOM ELEV.=2691.5'
BASIN DEPTH=3.0'



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