

DATE: Jan 17, 2022 FILE: J:\2021 Jobs\221171 - Skybridge, MP Parcel_108\CAD Files\Sheets\Preliminary Utility Plan\01-221171-PUT-CV01.dwg

CITY OF MESA GENERAL NOTES

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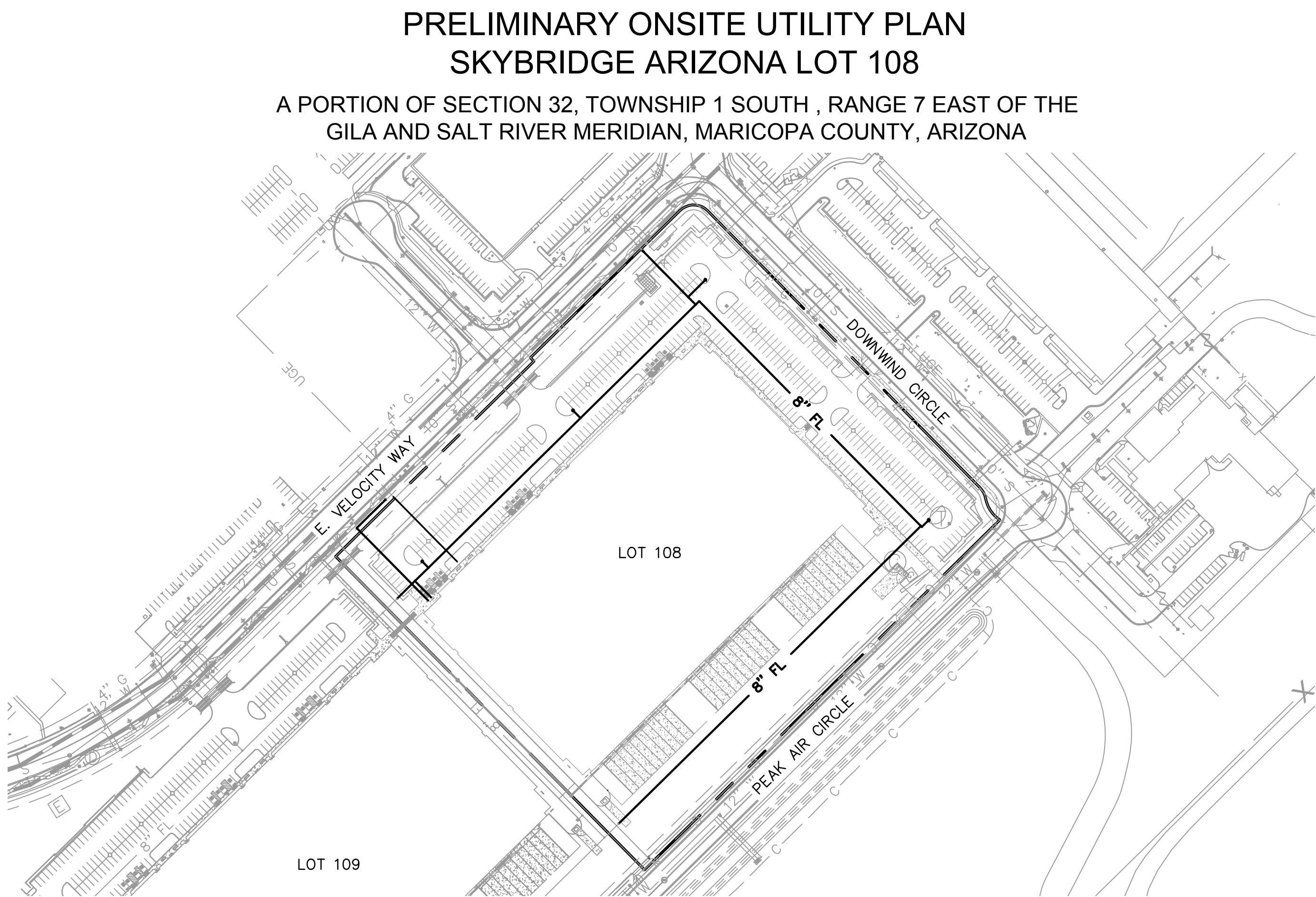
WATER, WASTEWATER, AND STORM DRAIN NOTES (CITY OF MESA)

- MATERIALS AND INSTALLATION OF WATER AND SEWER MAINS, WATER METERS AND SERVICE LINE CONNECTIONS SHALL CONFORM TO CURRENT CITY DETAILS, MESA AMENDMENTS TO MAG SPECIFICATIONS, AND THE APPROVED PRODUCTS LIST. SEE BELOW FOR APPROVED PRODUCT LISTS FOR WATER AND WASTEWATER.
[HTTPS://WWW.MESA AZ.GOV/HOME/SHOWDOCUMENT?ID=33740](https://www.mesaaz.gov/home/showdocument?id=33740)
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- IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE (A.A.C.) R18-4-213, ALL MATERIALS WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION (NSF) STANDARDS 60, 61, AND 372 AND SHALL BE LEAD-FREE AS DEFINED IN A.A.C. R18-5-504 AND R18-4-101.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY FITTINGS AND ADAPTERS REQUIRED TO CONNECT DIFFERENT TYPES OF WATER MAIN MATERIALS.
- PER MESA AMENDMENTS 610.4.2 ALL MINOR VERTICAL OR HORIZONTAL DEFLECTIONS SHALL BE BY PIPE JOINT DEFLECTION UNLESS OTHERWISE NOTED. PIPE JOINT DEFLECTION SHALL NOT EXCEED 3 DEGREES OR 2/3 OF PIPE MANUFACTURER'S RECOMMENDATIONS WHICHEVER IS LESS.
- PER MAG AND MESA AMENDMENTS 610.11 ALL WATER LINE TESTS SHALL BE COMPLETED SO THAT NO EXISTING LINES, EXISTING VALVES, OR NEWLY INSTALLED VALVES WHICH ARE CONNECTED TO THE OPERATING WATER SYSTEM ARE INCLUDED IN THE TESTS. ALLOWABLE TIMEFRAMES SHOULD FOLLOW MESA AMENDMENTS TO MAG AND MUST BE COORDINATED WITH THE CITY INSPECTOR. FOR A DAYTIME TIE-IN, THE CONTRACTOR SHALL COMPLETE ALL WORK NECESSARY TO RESTORE UTILITY SERVICE AND FULLY OPEN THE TIE-IN AREA TO TRAFFIC WITHIN THE TIME ALLOWED.
- WATER LINE FLUSHING, PRESSURE TESTING, AND DISINFECTION SHALL BE COMPLETED PER MAG SPECIFICATION SECTION 611. MESA AMENDMENTS TO MAG SPECIFICATION SECTION 611, AND AWWA C651 (CURRENT VERSION). SOURCE WATER UTILIZED FOR FLUSHING, FLUSHING AND TESTING SHALL BE OBTAINED FROM A HYDRANT METER ORDERED THROUGH PERMIT SERVICES, AND SET BY CITY OF MESA WATER RESOURCES STAFF. IT IS PROHIBITED TO OPEN A VALVE TO THE EXISTING WATER SYSTEM TO FILL A NEWLY CONSTRUCTED OR REPAIRED PIPELINE AS OUTLINED IN THE MESA AMENDMENTS TO MAG SECTION 610.11 AND 611.
- WATER METERS, METER BOXES, LIDS, ETC., IN CONFLICT WITH NEW CONSTRUCTION SHALL BE RELOCATED PER CITY OF MESA STANDARD DETAIL M-49 BY THE CONTRACTOR. THE RELOCATION SHALL INCLUDE ALL MATERIALS NECESSARY TO RECONNECT THE METER TO THE CITY DISTRIBUTION SYSTEM. SERVICE LINE EXTENSIONS, IF APPROVED IN WRITING BY MESA WATER RESOURCES DEPARTMENT, SHALL CONFORM TO MESA STANDARD DETAIL M-49. WHEN SERVICE LINE EXTENSIONS ARE APPROVED PER MESA STANDARD DETAIL M-49, SERVICE LINE COUPLINGS SHALL NOT BE PLACED UNDER ROADWAY SURFACES, CONCRETE GUTTERS, CURB AND GUTTER, OR CONCRETE DRIVEWAYS.
- VALVES SHALL BE INSTALLED WITH VALVE BOX AND COVER PER MAG STD DETAILS 391-1, TYPE C WITH A DEEP-SKIRTED LID (4-INCHES MINIMUM) AS NOTED IN THE APPROVED PRODUCTS LIST.
- ALL WATER LINE ABANDONMENT CUT AND PLUGS FOR ACTIVE LINES SHALL CONFORM TO THE FOLLOWING:
 - 12" AND SMALLER DIAMETER PER MESA STANDARD DETAIL M-50.
 - 16" DIAMETER PER M.A.G. STANDARD DETAIL 390, TYPE B.
 - GREATER THAN 16" DIAMETER, AS DESIGNED PER PLAN.
- LIME-TREATED AGGREGATE BASE COURSE (ABC) MATERIAL, RECLAIMED CONCRETE MATERIAL (RCM), AND RECLAIMED ASPHALT PAVEMENT (RAP) MATERIALS ARE PROHIBITED FOR USE IN THE PIPE EMBEDMENT ZONE (BEDDING, HAUNCHING, INITIAL BACKFILL) FOR WATERLINE CONSTRUCTION PER MESA AMENDMENTS 601.4.2.
- PER MESA AMENDMENTS 610.11, APPLICATIONS TO THE CITY OF MESA ENGINEERING INSPECTOR AND REVIEWED AND APPROVED BY THE WATER RESOURCE DEPARTMENT FOR WATER SYSTEM SHUTDOWN FOR THE PURPOSES OF CONSTRUCTION-RELATED ACTIVITIES SHALL BE MADE A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO THE SCHEDULED SHUTDOWN DATE. THE REQUEST SHALL INCLUDE PRIMARY AND SECONDARY VALVE NUMBERS, WHETHER A TEST SHUTDOWN IS REQUESTED, AND THE DATE AND DURATION OF THE REQUESTED SHUTDOWN. PER MAG 610.11, THE CITY OF MESA DOES NOT GUARANTEE A COMPLETE SHUTDOWN.

CITY OF MESA APPROVAL

SIGNATURE

DATE



WATER, WASTEWATER, AND STORM DRAIN NOTES (CITY OF MESA) CONTINUED

- REQUIRED BACKFLOW PREVENTION ASSEMBLIES SHALL INCLUDE MANUFACTURERS AND MODELS DESIGNATED IN THE CURRENT "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES" AS PUBLISHED BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH, UNIVERSITY OF SOUTHERN CALIFORNIA.
- BACKFLOW PREVENTION ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CERTIFIED TECHNICIAN DESIGNATED IN THE CURRENT CITY OF MESA "LIST OF APPROVED INSPECTORS" PRIOR TO THE REQUEST FOR FINAL INSPECTION.
- ALL WATER METERS ARE TO BE SUPPLIED BY THE CITY OF MESA. CHARGES FOR INSTALLING NEW SERVICES AND METERS WILL BE IN ACCORDANCE WITH THE CURRENT UTILITY SERVICE FEE SCHEDULE. METERS TWO INCHES OR LESS WILL BE DELIVERED AND INSTALLED BY CITY FORCES. METERS LARGER THAN TWO INCHES WILL BE DELIVERED BY THE CITY AND INSTALLED BY THE CONTRACTOR AND REQUIRE SCHEDULING AND INSPECTIONS WITH CITY FORCES. CONTACT THE DEVELOPMENT SERVICES DEPARTMENT AT 480-644-4273 FOR THE SPECIFIC PROCEDURE. SEE M-27.01 FOR MORE INFORMATION.
- WHEN GROUTING OR CASTING CONCRETE AROUND PVC SEWER PIPE, SUCH AS AT MANHOLE OR VAULT PENETRATIONS, THE CONTRACTOR SHALL INSTALL WATER STOPS PER MESA AMENDMENTS TO MAG SPECIFICATION 625 AND MANUFACTURERS RECOMMENDATIONS.
- SEWER BUILDING CONNECTION LATERALS SHALL BE INSTALLED PER MAG STANDARD DETAIL 440. LATERAL WYES SHALL BE INSTALLED AT NO GREATER THAN A 45 DEGREE ANGLE FROM HORIZONTAL. SEWER LATERAL SLOPES SHALL BE AS INDICATED ON MAG STANDARD DETAIL 440 AND IN NO CIRCUMSTANCE SHALL SEWER LATERAL SLOPES EXCEED 7/8" PER FOOT FOR 6" LATERALS AND 1-1/2" PER FOOT FOR 4" LATERALS. FITTINGS SHALL BE INSTALLED WITH NO ANGULAR JOINT DEFLECTION AND ALL CONNECTIONS SHALL BE GASKETED OR SEALED PER MAG SPECIFICATIONS.
- SEWER MANHOLE BASES, BENCHES, SHELVES, AND CHANNELS SHALL BE CONSTRUCTED PER MAG STANDARD DETAIL 420. EACH INLET PIPE SHALL HAVE A DESIGNATED, FORMED CHANNEL AND BENCHING. THE DIMENSIONS OF CHANNELS, SHELF SLOPE, AND MINIMUM INLET PIPE ANGLES SHALL BE CONSTRUCTED PER MAG STANDARD DETAIL 420-3. PER MESA DESIGN STANDARDS, SEWER MANHOLES SHALL BE CONSTRUCTED PER MAG STANDARD DETAILS 420-1, TYPE 'A' TOP; AND 423-2 EXCEPT THAT:
 - MANHOLE SHAFT DIAMETERS SHALL BE 5 FEET.
 - MANHOLE RINGS AND COVERS SHALL HAVE 30-INCH DIAMETERS.
 - STEPS SHALL NOT BE INCLUDED.

PROJECT LOCATION MAP

1" = 150'

NORTH

LEGEND

	PROPOSED CONTOUR LINE
	EXISTING CONTOUR LINE
	FLOW ARROW
	PROPOSED FINISHED GRADE ELEVATION
	EXISTING GROUND ELEVATION
	SAWCUT LINE
	PROPERTY LINE
	EASEMENT/BUILDING SETBACK LINE
	SECTION LINE
	RIGHT OF WAY
	EXISTING OVERHEAD ELECTRIC
	EXISTING FENCE
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING UNDERGROUND ELECTRIC
	EXISTING STORM DRAIN
	EXISTING TELEPHONE SERVICE
	EXISTING GAS LINE
	PROPERTY CORNER
	EXISTING WATER METER
	EXISTING SEWER MANHOLE
	EXISTING STORM DRAIN MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING PEDESTAL
	EXISTING POWER POLE
	EXISTING SIGN
	EXISTING OVERHEAD LIGHT

MCESD APPROVAL

SIGNATURE

DATE

ENGINEER:

RITOCH-POWELL & ASSOCIATES
63 E MAIN ST, STE 502
MESA, AZ 85201
PHONE: 480-539-7497
ENGINEER: JOHN BISHOP, PM
EMAIL: JBISHOP@RPAENG.COM

DEVELOPER/OWNER:

SKYB LOT 108, LLC
ATTN: WILL MOSELEY
2415 E CAMELBACK RD, STE 700
PHOENIX, ARIZONA 85016
PHONE: 602-508-3561
WILL.MOSELEY@SKYBRIDGEDEVELOPMENTS.COM

ARCHITECT:

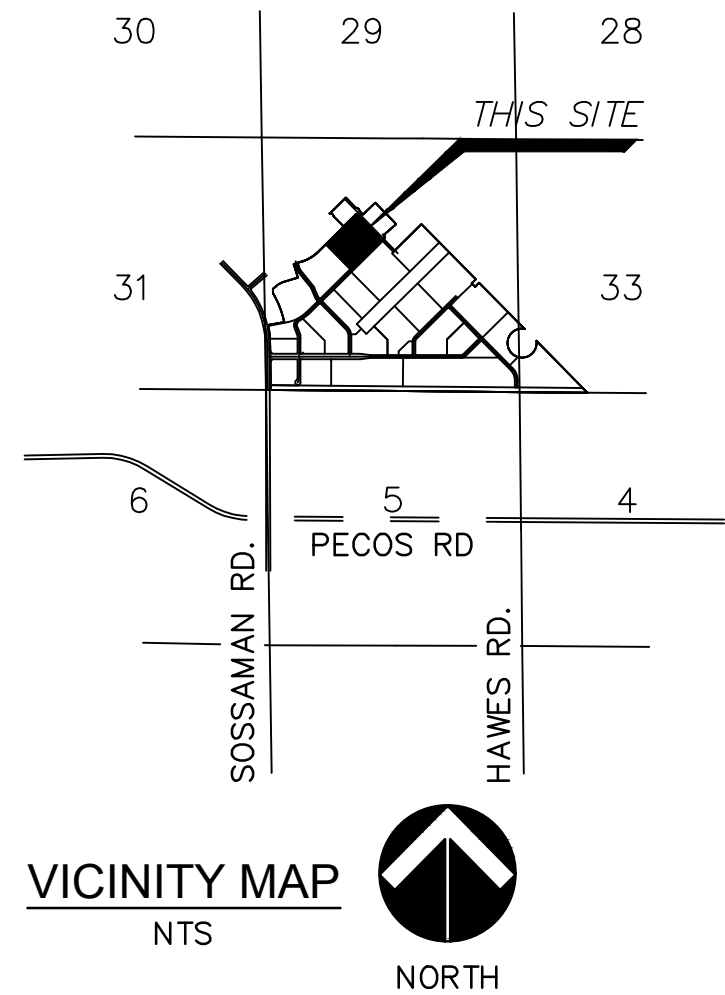
ADM GROUP, INC.
ATTN: GLENN KLIPFEL
2100 WEST 15TH STREET,
TEMPE, AZ 85281
PHONE: 480.285.3832
EMAIL: GKLIFFEL@ADMGROUPINC.COM

SITE INFORMATION AND PROJECT DATA

ADDRESS: 7722 E VELOCITY WAY, MESA, AZ 85212
ASSESSOR'S NUMBER(S): APN 304-36-002G
AREA: 193,021.43 SF (4.4312 ACRES)
ZONING: LI

SHEET INDEX

SHEET NO.	DWG NO.	SHEET
1	CV01	COVER SHEET
2-3	PUT01-PUT02	PRELIMINARY UTILITY PLAN



VICINITY MAP

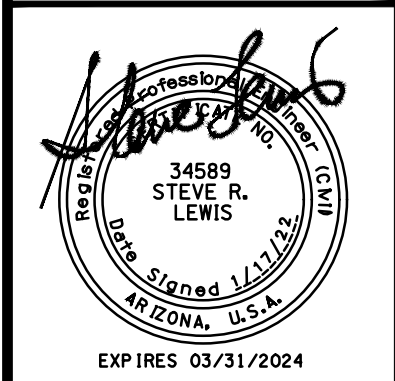
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NO.	DATE	BY	REVISION

RITOCH-POWELL & Associates
602-263-1177
www.ritchpowell.com

RPA

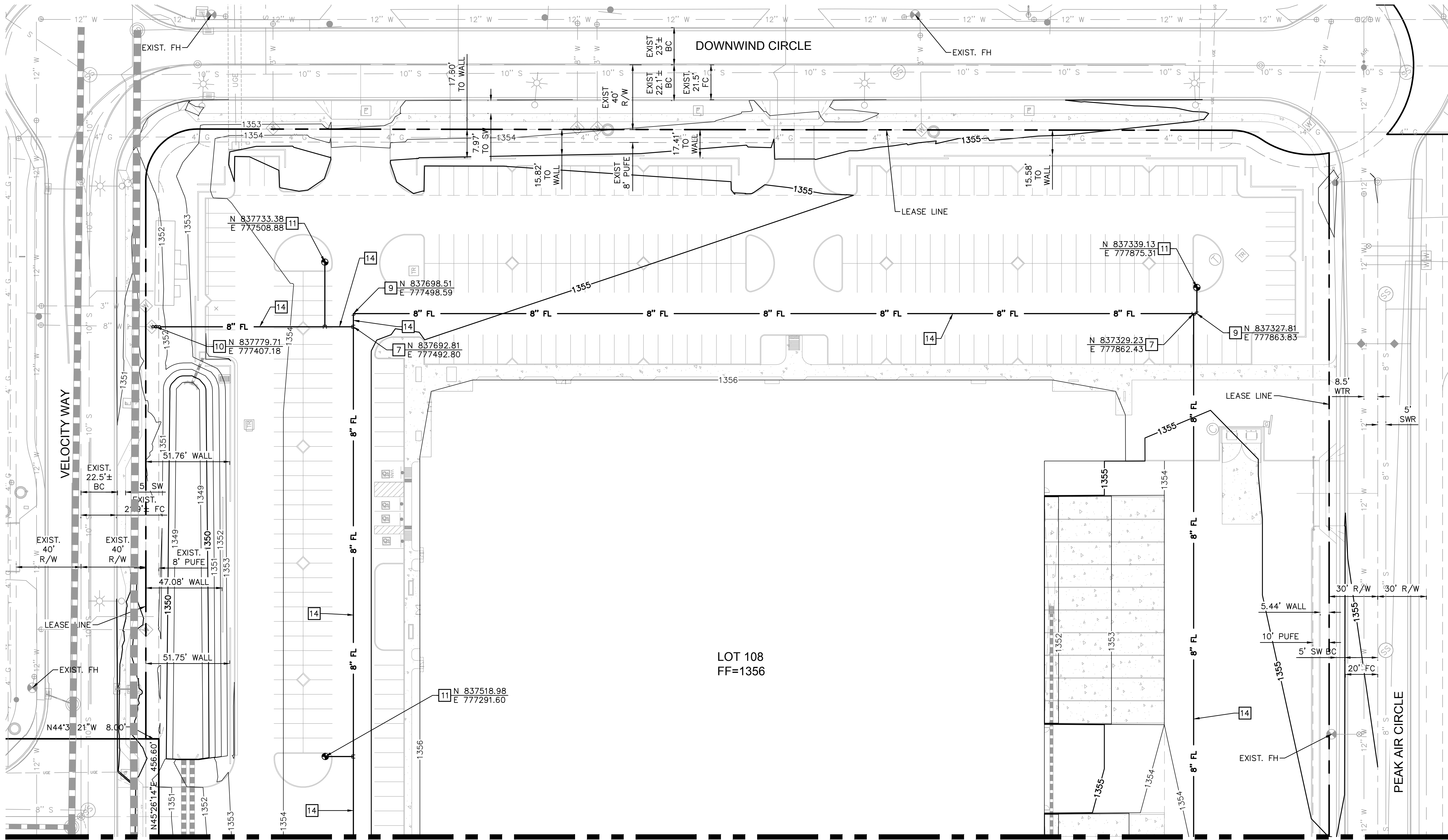


SKYBRIDGE ARIZONA LOT 108
PRELIMINARY UTILITY PLAN
COVER SHEET

MESA, ARIZONA
MARICOPA COUNTY

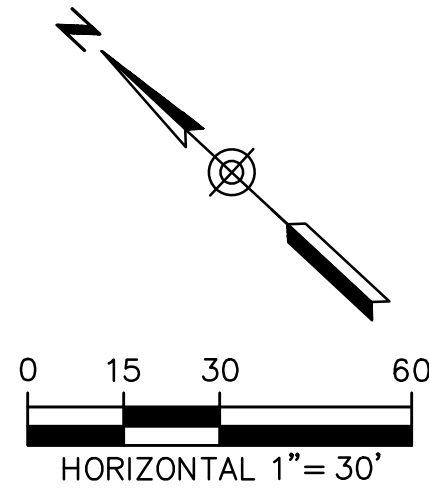
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DWG: CV01	SHEET: 1	OF: 3		



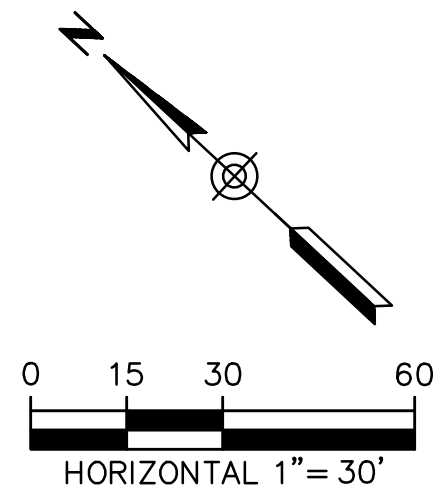
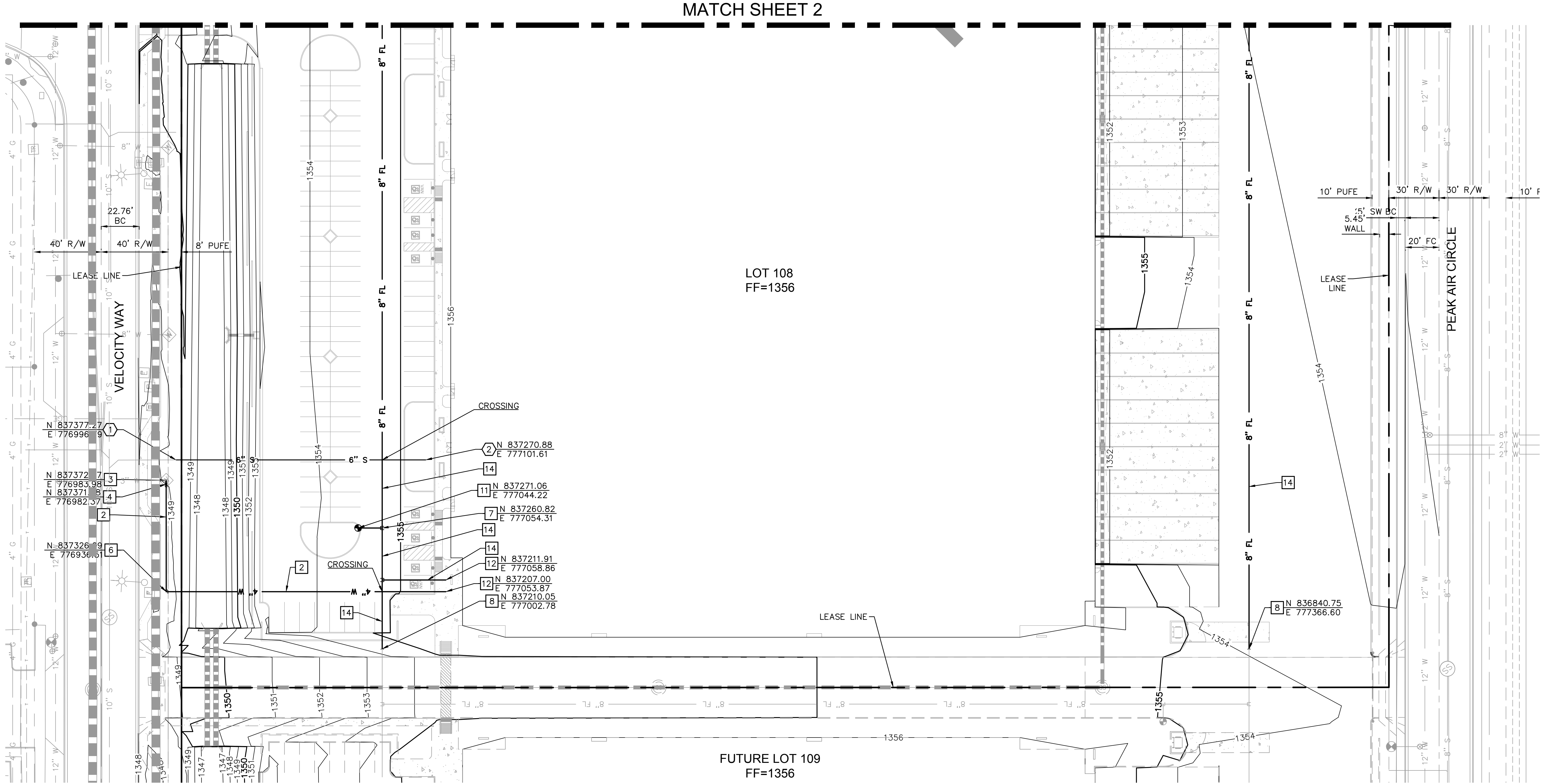


MATCH SHEET 3

CONSTRUCTION NOTES	
NO.	DESCRIPTION
7	INSTALL 8"X8" TEE
9	INSTALL 8" 90° BEND
10	INSTALL 8" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY PER COM STD DTL M-31.01
11	INSTALL COMPLETE FIRE HYDRANT ASSEMBLY PER MAG STD DTL 360-1
14	INSTALL 8" PVC WATERLINE



JOB NO.: 221171		DESIGN BY: JB	DRAWN BY: JB	CHECKED: SL	DATE: 1/17/22												
DWG: PUT01		SHEET 2 OF 3															
SKYBRIDGE ARIZONA LOT 108																	
PRELIMINARY UTILITY PLAN																	
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<div><div><div>RITOCH-POWELL & Associates</div><div>602-263-1177</div><div>www.ritochpowell.com</div></div><div><div>ARPA</div><div>34589 STEVE R. LEWIS</div><div>APPROVED</div><div>EXP. RES. 03/31/2024</div></div></div>																	
<div><div>REVISION</div><table><tr><th>NO.</th><th>DATE</th><th>BY</th></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></table></div>						NO.	DATE	BY									
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DWG: PUT02	JOB NO.: 221171	DESIGN BY: JB	CHECKED: SI	DATE: 1/17/22
	SHEET 3	OF 3		
SKYBRIDGE ARIZONA LOT 108				
PRELIMINARY UTILITY PLAN				
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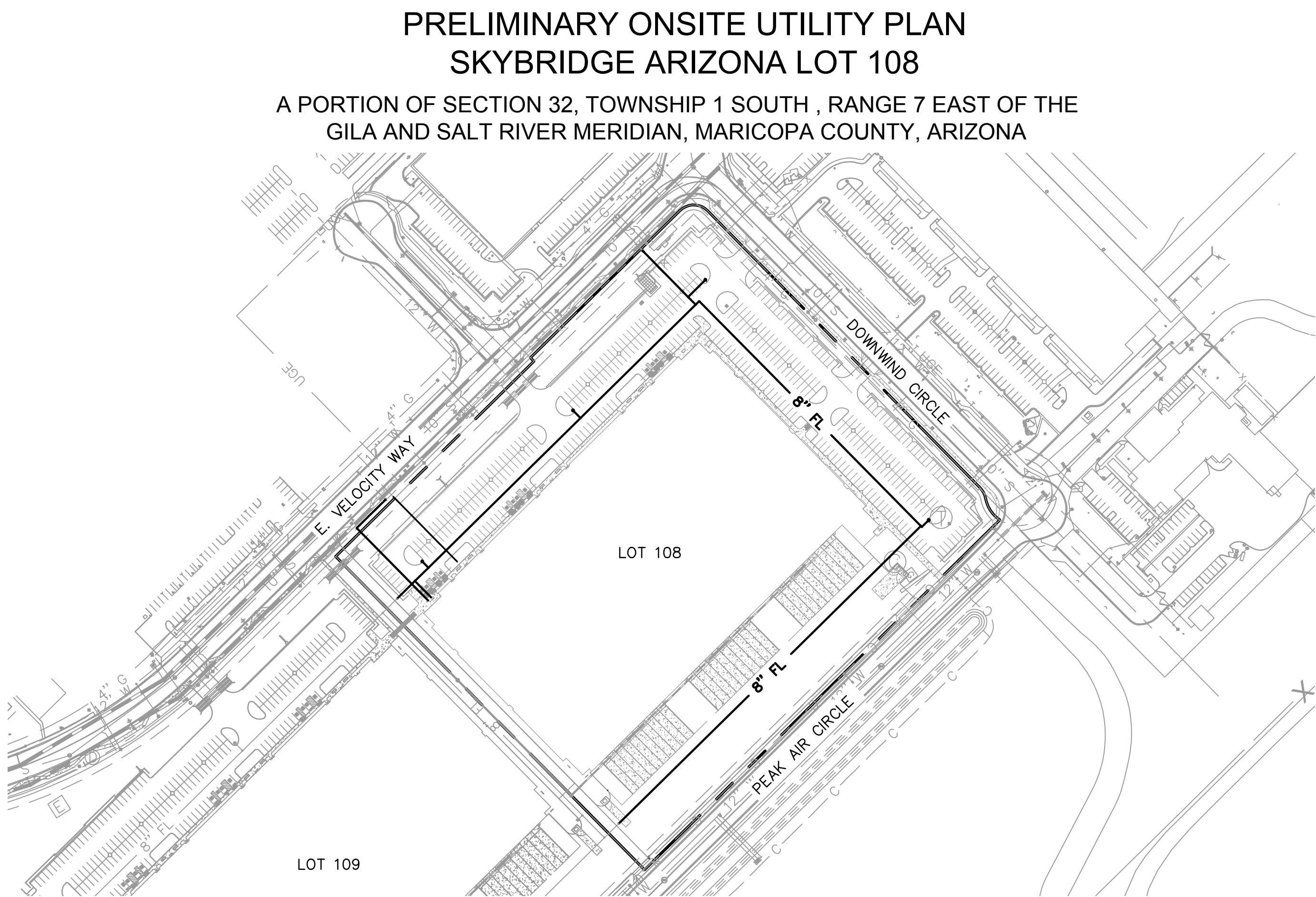
WATER, WASTEWATER, AND STORM DRAIN NOTES (CITY OF MESA)

- MATERIALS AND INSTALLATION OF WATER AND SEWER MAINS, WATER METERS AND SERVICE LINE CONNECTIONS SHALL CONFORM TO CURRENT CITY DETAILS, MESA AMENDMENTS TO MAG SPECIFICATIONS, AND THE APPROVED PRODUCTS LIST. SEE BELOW FOR APPROVED PRODUCT LISTS FOR WATER AND WASTEWATER.
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- IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE (A.A.C.) R18-4-213, ALL MATERIALS WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION (NSF) STANDARDS 60, 61, AND 372 AND SHALL BE LEAD-FREE AS DEFINED IN A.A.C. R18-5-504 AND R18-4-101.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY FITTINGS AND ADAPTERS REQUIRED TO CONNECT DIFFERENT TYPES OF WATER MAIN MATERIALS.
- PER MESA AMENDMENTS 610.4.2 ALL MINOR VERTICAL OR HORIZONTAL DEFLECTIONS SHALL BE BY PIPE JOINT DEFLECTION UNLESS OTHERWISE NOTED. PIPE JOINT DEFLECTION SHALL NOT EXCEED 3 DEGREES OR 2/3 OF PIPE MANUFACTURER'S RECOMMENDATIONS WHICHEVER IS LESS.
- PER MAG AND MESA AMENDMENTS 610.11 ALL WATER LINE TESTS SHALL BE COMPLETED SO THAT NO EXISTING LINES, EXISTING VALVES, OR NEWLY INSTALLED VALVES WHICH ARE CONNECTED TO THE OPERATING WATER SYSTEM ARE INCLUDED IN THE TESTS. ALLOWABLE TIMEFRAMES SHOULD FOLLOW MESA AMENDMENTS TO MAG AND MUST BE COORDINATED WITH THE CITY INSPECTOR. FOR A DAYTIME TIE-IN, THE CONTRACTOR SHALL COMPLETE ALL WORK NECESSARY TO RESTORE UTILITY SERVICE AND FULLY OPEN THE TIE-IN AREA TO TRAFFIC WITHIN THE TIME ALLOWED.
- WATER LINE FLUSHING, PRESSIONURE TESTING, AND DISINFECTION SHALL BE COMPLETED PER MAG SPECIFICATION SECTION 611. MESA AMENDMENTS TO MAG SPECIFICATION SECTION 611, AND AWWA C651 (CURRENT VERSION).
- SOURCE WATER UTILIZED FOR FILLING, FLUSHING AND TESTING SHALL BE OBTAINED FROM A HYDRANT METER ORDERED THROUGH PERMIT SERVICES, AND SET BY CITY OF MESA WATER RESOURCES STAFF. IT IS PROHIBITED TO OPEN A VALVE TO THE EXISTING WATER SYSTEM TO FILL A NEWLY CONSTRUCTED OR REPAIRED PIPELINE AS OUTLINED IN THE MESA AMENDMENTS TO MAG SECTION 610.11 AND 611.
- WATER METERS, METER BOXES, LIDS, ETC., IN CONFLICT WITH NEW CONSTRUCTION SHALL BE RELOCATED PER CITY OF MESA STANDARD DETAIL M-49 BY THE CONTRACTOR. THE RELOCATION SHALL INCLUDE ALL MATERIALS NECESSARY TO RECONNECT THE METER TO THE CITY DISTRIBUTION SYSTEM. SERVICE LINE EXTENSIONS, IF APPROVED IN WRITING BY MESA WATER RESOURCES DEPARTMENT, SHALL CONFORM TO MESA STANDARD DETAIL M-49. WHEN SERVICE LINE EXTENSIONS ARE APPROVED PER MESA STANDARD DETAIL M-49, SERVICE LINE COUPLINGS SHALL NOT BE PLACED UNDER ROADWAY SURFACES, CONCRETE GUTTERS, CURB AND GUTTER, OR CONCRETE DRIVEWAYS.
- VALVES SHALL BE INSTALLED WITH VALVE BOX AND COVER PER MAG STD DETAILS 391-1, TYPE C WITH A DEEP-SKIRTED LID (4-INCHES MINIMUM) AS NOTED IN THE APPROVED PRODUCTS LIST.
- ALL WATER LINE ABANDONMENT CUT AND PLUGS FOR ACTIVE LINES SHALL CONFORM TO THE FOLLOWING:
 - 12" AND SMALLER DIAMETER PER MESA STANDARD DETAIL M-50.
 - 16" DIAMETER PER M.A.G. STANDARD DETAIL 390, TYPE B.
 - GREATER THAN 16" DIAMETER, AS DESIGNED PER PLAN.
- LIME-TREATED AGGREGATE BASE COURSE (ABC) MATERIAL, RECLAIMED CONCRETE MATERIAL (RCM), AND RECLAIMED ASPHALT PAVEMENT (RAP) MATERIALS ARE PROHIBITED FOR USE IN THE PIPE EMBEDMENT ZONE (BEDDING, HAUNCHING, INITIAL BACKFILL) FOR WATERLINE CONSTRUCTION PER MESA AMENDMENTS 601.4.2.
- PER MESA AMENDMENTS 610.11, APPLICATIONS TO THE CITY OF MESA ENGINEERING INSPECTOR AND REVIEWED AND APPROVED BY THE WATER RESOURCE DEPARTMENT FOR WATER SYSTEM SHUTDOWN FOR THE PURPOSES OF CONSTRUCTION-RELATED ACTIVITIES SHALL BE MADE A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO THE SCHEDULED SHUTDOWN DATE. THE REQUEST SHALL INCLUDE PRIMARY AND SECONDARY VALVE NUMBERS, WHETHER A TEST SHUTDOWN IS REQUESTED, AND THE DATE AND DURATION OF THE REQUESTED SHUTDOWN. PER MAG 610.11, THE CITY OF MESA DOES NOT GUARANTEE A COMPLETE SHUTDOWN.

CITY OF MESA APPROVAL

SIGNATURE

DATE



WATER, WASTEWATER, AND STORM DRAIN NOTES (CITY OF MESA) CONTINUED

- REQUIRED BACKFLOW PREVENTION ASSEMBLIES SHALL INCLUDE MANUFACTURERS AND MODELS DESIGNATED IN THE CURRENT "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES" AS PUBLISHED BY THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH, UNIVERSITY OF SOUTHERN CALIFORNIA.
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- WHEN GROUTING OR CASTING CONCRETE AROUND PVC SEWER PIPE, SUCH AS AT MANHOLE OR VAULT PENETRATIONS, THE CONTRACTOR SHALL INSTALL WATER STOPS PER MESA AMENDMENTS TO MAG SPECIFICATION 625 AND MANUFACTURERS RECOMMENDATIONS.
- SEWER BUILDING CONNECTION LATERALS SHALL BE INSTALLED PER MAG STANDARD DETAIL 440. LATERAL WYES SHALL BE INSTALLED AT NO GREATER THAN A 45 DEGREE ANGLE FROM HORIZONTAL. SEWER LATERAL SLOPES SHALL BE AS INDICATED ON MAG STANDARD DETAIL 440 AND IN NO CIRCUMSTANCE SHALL SEWER LATERAL SLOPES EXCEED 7/8" PER FOOT FOR 6" LATERALS AND 1-1/2" PER FOOT FOR 4" LATERALS. FITTINGS SHALL BE INSTALLED WITH NO ANGULAR JOINT DEFLECTION AND ALL CONNECTIONS SHALL BE GASKETED OR SEALED PER MAG SPECIFICATIONS.
- SEWER MANHOLE BASES, BENCHES, SHELVES, AND CHANNELS SHALL BE CONSTRUCTED PER MAG STANDARD DETAIL 420. EACH INLET PIPE SHALL HAVE A DESIGNATED, FORMED CHANNEL AND BENCHING. THE DIMENSIONS OF CHANNELS, SHELF SLOPE, AND MINIMUM INLET PIPE ANGLES SHALL BE CONSTRUCTED PER MAG STANDARD DETAIL 420-3. PER MESA DESIGN STANDARDS, SEWER MANHOLES SHALL BE CONSTRUCTED PER MAG STANDARD DETAILS 420-1, TYPE 'A' TOP; AND 423-2 EXCEPT THAT:
 - MANHOLE SHAFT DIAMETERS SHALL BE 5 FEET.
 - MANHOLE RINGS AND COVERS SHALL HAVE 30-INCH DIAMETERS.
 - STEPS SHALL NOT BE INCLUDED.

PROJECT LOCATION MAP



1" = 150'

LEGEND

——— 1040 ———	PROPOSED CONTOUR LINE
——— 1040 ———	EXISTING CONTOUR LINE
→	FLOW ARROW
——— FG XX.XX ———	PROPOSED FINISHED GRADE ELEVATION
——— EG XX.XX ———	EXISTING GROUND ELEVATION
----	SAWCUT LINE
———	PROPERTY LINE
----	EASEMENT/BUILDING SETBACK LINE
----	SECTION LINE
----	RIGHT OF WAY
——— OHE ———	EXISTING OVERHEAD ELECTRIC
——— X ——— X ———	EXISTING FENCE
——— W ———	EXISTING WATER LINE
——— S ———	EXISTING SEWER LINE
——— UGE ———	EXISTING UNDERGROUND ELECTRIC
——— T ———	EXISTING STORM DRAIN
——— G ———	EXISTING TELEPHONE SERVICE
●	EXISTING GAS LINE
○	PROPERTY CORNER
○ W	EXISTING WATER METER
○ SS	EXISTING SEWER MANHOLE
○ SD	EXISTING STORM DRAIN MANHOLE
○	EXISTING FIRE HYDRANT
○	EXISTING WATER VALVE
○	EXISTING PEDESTAL
○	EXISTING POWER POLE
○	EXISTING SIGN
○	EXISTING OVERHEAD LIGHT

MCESD APPROVAL

SIGNATURE

DATE

ENGINEER:

RITOCH-POWELL & ASSOCIATES
63 E MAIN ST, STE 502
MESA, AZ 85201
PHONE: 480-539-7497
ENGINEER: JOHN BISHOP, PM
EMAIL: JBISHOP@RPAENG.COM

DEVELOPER/OWNER:

SKYB LOT 108, LLC
ATTN: WILL MOSELEY
2415 E CAMELBACK RD, STE 700
PHOENIX, ARIZONA 85016
PHONE: 602-508-3561
WILL.MOSELEY@SKYBRIDGEDEVELOPMENTS.COM

ARCHITECT:

ADM GROUP, INC.
ATTN: GLENN KLIPFEL
2100 WEST 15TH STREET,
TEMPE, AZ 85281
PHONE: 480.285.3832
EMAIL: GKLIIPFEL@ADMGROUPINC.COM

SITE INFORMATION AND PROJECT DATA

ADDRESS: 7722 E VELOCITY WAY, MESA, AZ 85212
ASSESSOR'S NUMBER(S): APN 304-36-002G
AREA: 193,021.43 SF (4.4312 ACRES)
ZONING: LI

SHEET INDEX

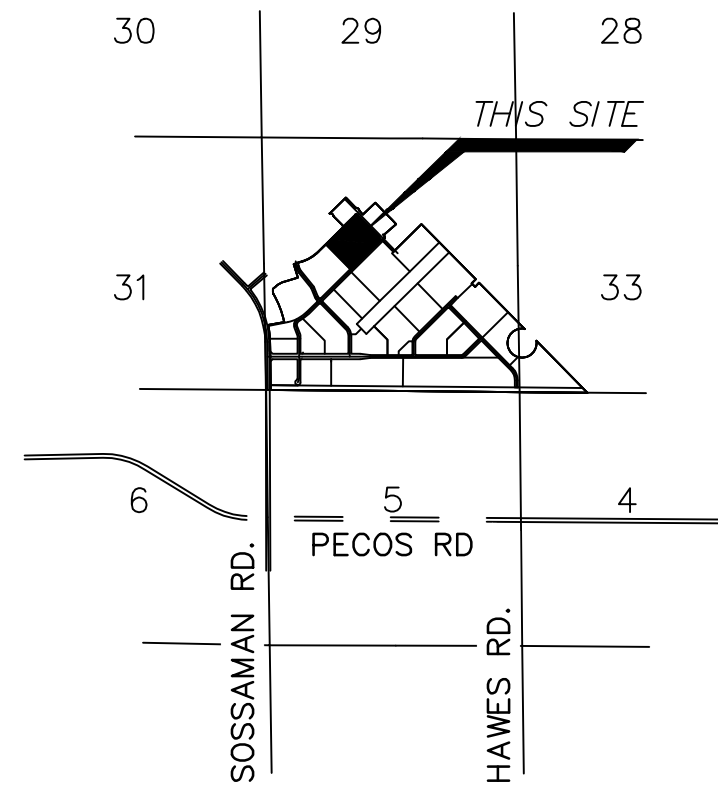
SHEET NO.	DWG NO.	SHEET
1	CV01	COVER SHEET
2-3	PUT01-PUT02	PRELIMINARY UTILITY PLAN

VICINITY MAP

NTS

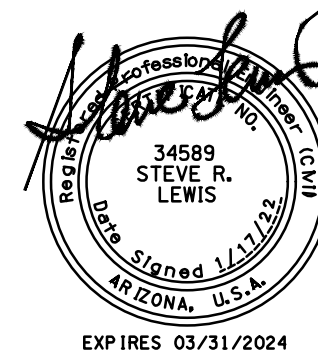


NORTH



RITOCH-POWELL & Associates
602-263-1177
www.ritchpowell.com

[RPA]

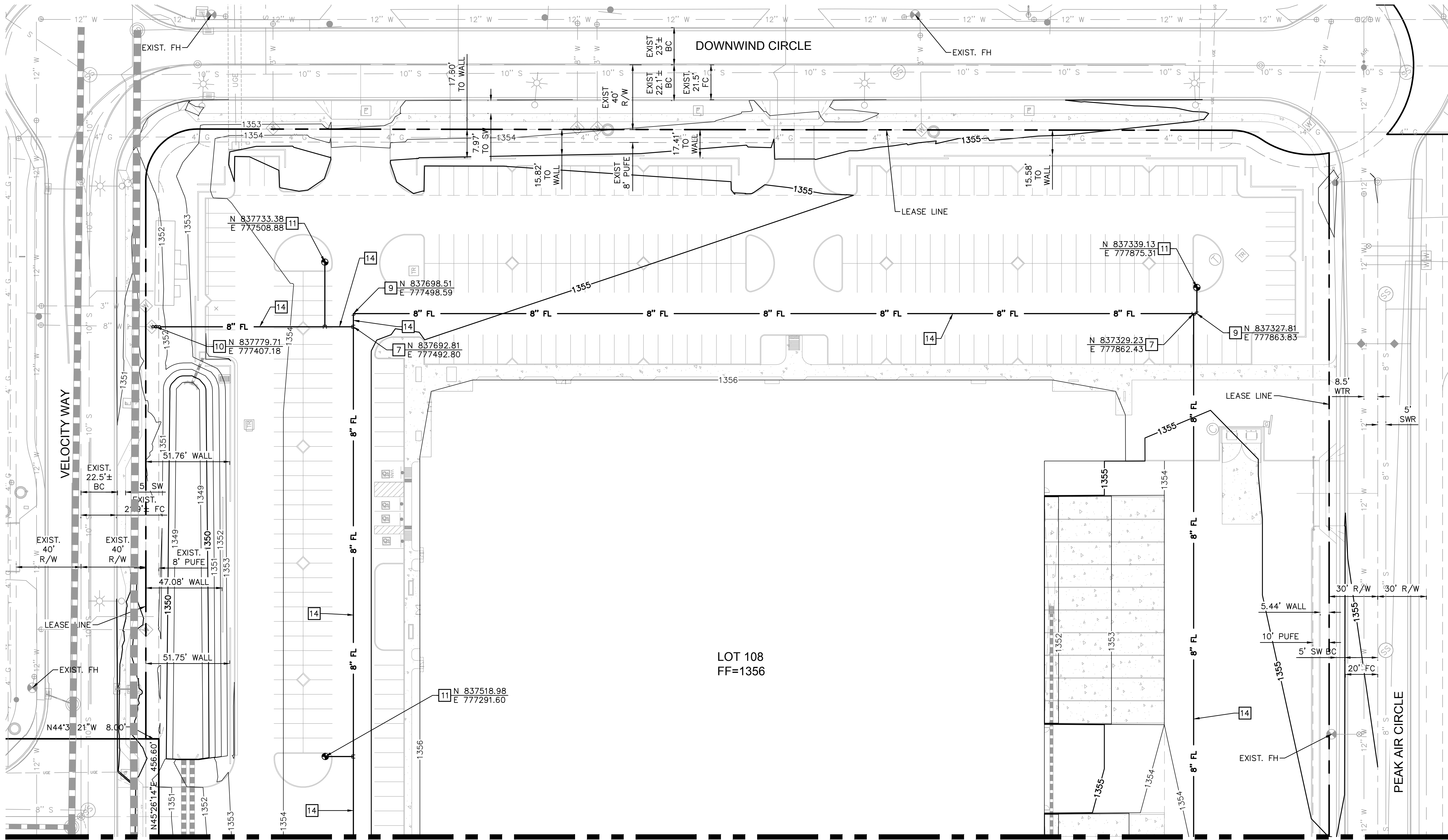


SKYBRIDGE ARIZONA LOT 108
PRELIMINARY UTILITY PLAN
COVER SHEET

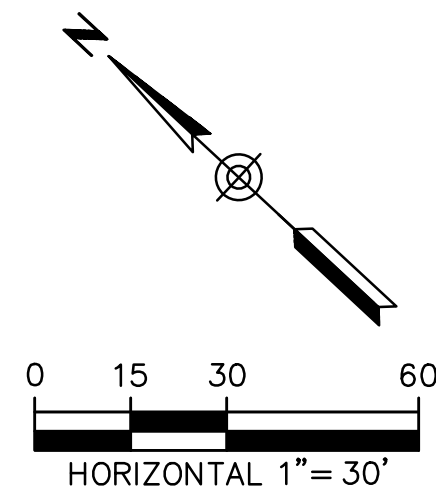
MESA, ARIZONA
MARICOPA COUNTY

JOB NO.:	221171	DESIGN BY:	JB	DRAWN BY:	JB	CHECKED:	SL	DATE:	1/17/22
DWG:	CV01	SHEET	1	OF	3				

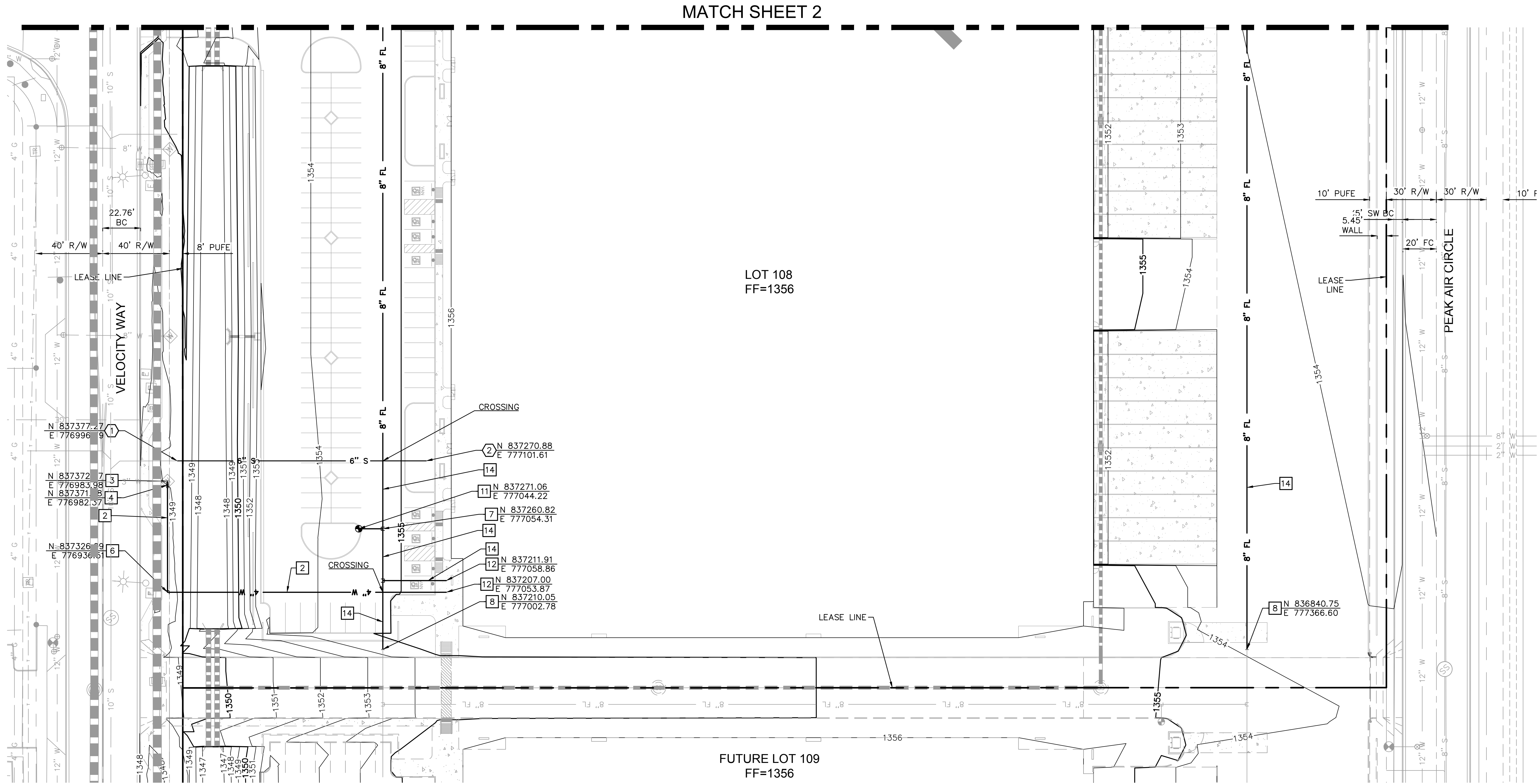




CONSTRUCTION NOTES	
NO.	DESCRIPTION
7	INSTALL 8"X8" TEE
9	INSTALL 8" 90° BEND
10	INSTALL 8" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY PER COM STD DTL M-31.01
11	INSTALL COMPLETE FIRE HYDRANT ASSEMBLY PER MAG STD DTL 360-1
14	INSTALL 8" PVC WATERLINE



JOB NO.: 221171		DESIGN BY: JB	DRAWN BY: JB	CHECKED: SL	DATE: 1/17/22																
DWG: PUT01		SHEET 2 OF 3																			
SKYBRIDGE ARIZONA LOT 108																					
PRELIMINARY UTILITY PLAN																					
MESA, ARIZONA																					
MARICOPA COUNTY																					
<div><div><div>34589 STEVE R. LEWIS Signed Utility ARIZONA, U.S.A. EXP. RES. 03/31/2024</div></div><div><div>RITOCH-POWELL & Associates</div><div>602-263-1177</div><div>www.ritchpowell.com</div></div></div>																					
<div><div><div>NO.</div><div>DATE</div><div>BY</div><div>REVISION</div></div><table><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table></div>																					



DWG: PUT02	JOB NO.: 221171	DESIGN BY: JB	CHECKED: SI	DATE: 1/17/22
	SHEET 3	DRAWN BY: JB	OF 3	
SKYBRIDGE ARIZONA LOT 108				
PRELIMINARY UTILITY PLAN				
MESA, ARIZONA				
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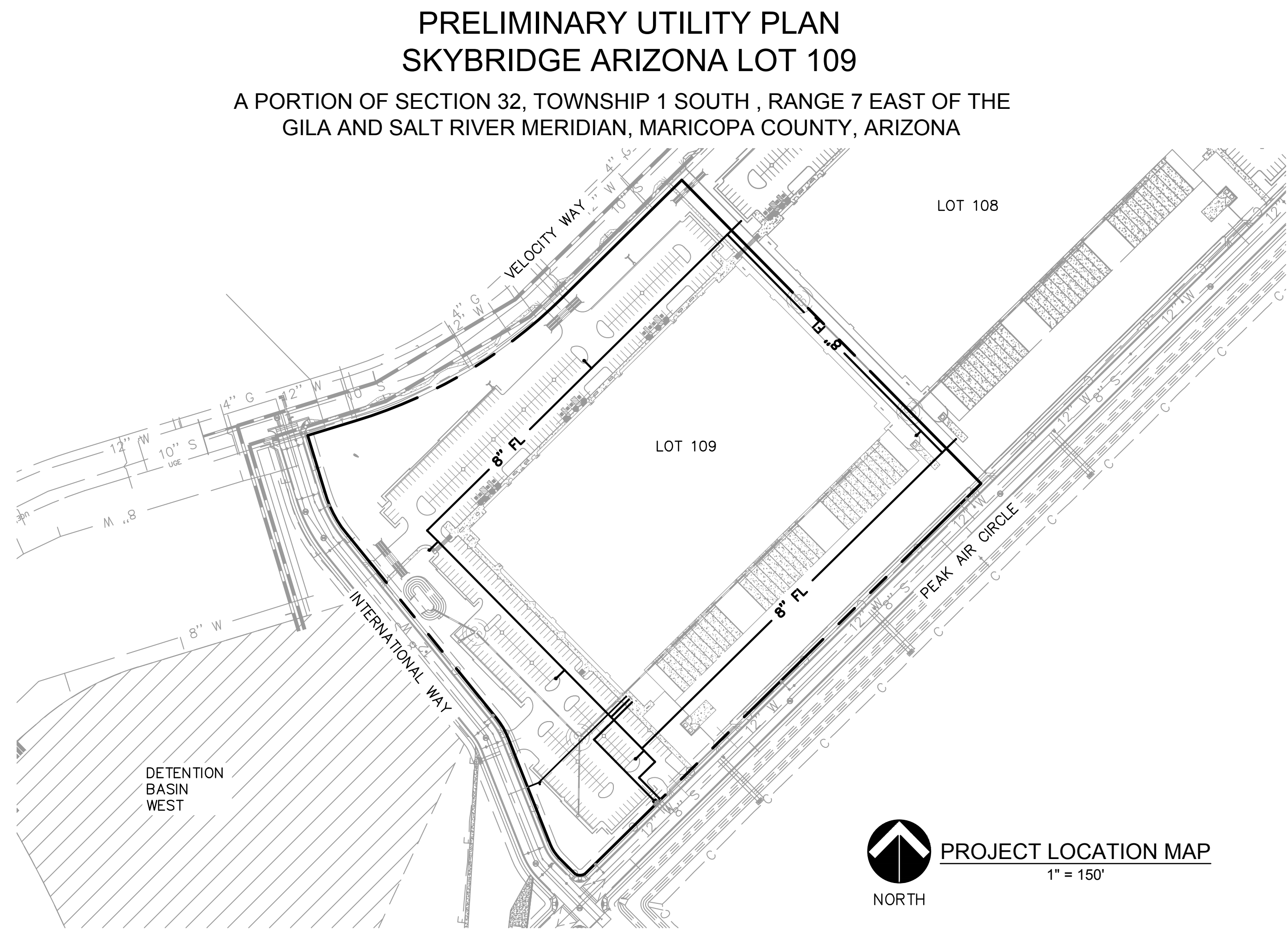
DATE: Jan 17, 2022 FILE: J:\2021 Jobs\221172 - Skybridge MP Parcel_109\CAD Files\Sheets\Preliminary Utility Plan\01-221172-PUT-CV01.dwg

CITY OF MESA GENERAL NOTES

- ALL WORK AND MATERIALS SHALL CONFORM TO CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND AS AMENDED BY THE CITY OF MESA. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE INFORMATION SHOWN ON DRAWINGS CONCERNING THE TYPE AND LOCATION OF EXISTING UNDERGROUND UTILITIES IS APPROXIMATE AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER OR THE ENGINEER'S AGENT. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND AND OVERHEAD UTILITIES.
 - CALL 602-263-1100 OR 811 FOR BLUE STAKE SERVICES.
 - CALL SALT RIVER POWER FOR POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT 602-236-8888.
 - CALL CITY OF MESA ELECTRICAL FOR POLE BRACING, ELECTRICAL SERVICE OR CONSTRUCTION SCHEDULING AT 480-644-2251 WITHIN CITY OF MESA ELECTRICAL SERVICE TERRITORY (DOWNTOWN MESA).
 - WHEN EXCAVATING IN OR ADJACENT TO A CITY PARK OR AQUATIC FACILITY THE CONTRACTOR SHALL CONTACT AQUATICS AND PARKS MAINTENANCE AT 480-644-3097 TO REQUEST ASSISTANCE IN LOCATING UNDERGROUND UTILITY FACILITIES.
 - WHEN EXCAVATING IN OR ADJACENT TO LANDSCAPING WITHIN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL CONTACT TRANSPORTATION FIELD OPERATIONS AT 480-644-3038 TO REQUEST ASSISTANCE IN LOCATING UNDERGROUND IRRIGATION FACILITIES.
- THE CITY OF MESA HAS ADOPTED THE CITY OF PHOENIX 2007 TRAFFIC BARRICADE MANUAL. COPIES ARE AVAILABLE AT 1101 EAST JEFFERSON STREET, PHOENIX, ARIZONA. TELEPHONE 602-262-6235 OR <http://phoenix.gov/streets/traffic/index.html>. CITY OF MESA HAS ISSUED A SUPPLEMENT TO THE PHOENIX TRAFFIC BARRICADE MANUAL. COPIES ARE AVAILABLE AT DEVELOPMENT SERVICES, 55 N. CENTER ST., MESA, ARIZONA. TELEPHONE 480-644-2160 OR BOTH MANUALS ARE AVAILABLE ONLINE AT: <http://www.mesaaz.gov/transportation/barricades.aspx>
- CONTRACTOR TO NOTIFY TRAFFIC OPERATIONS AT 480-644-3126 PRIOR TO SIGN REMOVAL AND WHEN READY TO PERMANENTLY RELOCATE SIGN.
- CONTRACTOR TO OBTAIN ANY PERMITS REQUIRED UNLESS OTHERWISE INDICATED, AND COORDINATE ALL IRRIGATION DRY-UPS, RELOCATIONS, AND REMOVALS BY OTHERS.
- CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AHEAD OF CONSTRUCTION TO ALLOW FOR ANY NECESSARY ADJUSTMENTS IN GRADE LINE AND TO VERIFY PIPE MATERIALS FOR ORDERING THE APPROPRIATE TRANSITION AND TIE-IN FITTINGS THAT MAY BE REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL ABANDONED UTILITIES THAT INTERFERE WITH PROPOSED IMPROVEMENTS. THE CITY OF MESA UTILITIES DEPARTMENT LOCATING SECTION WILL ASSIST THE CONTRACTOR AS NEEDED, IN DETERMINING IF THE UTILITY (GAS, WATER, AND WASTEWATER ONLY) IS ABANDONED BY CALLING 480-644-4500.
- PRIOR TO START OF CONSTRUCTION ON PRIVATE PROPERTY (EASEMENTS), THE CONTRACTOR SHALL GIVE THE OWNER SUFFICIENT TIME (MINIMUM 48 HOURS) TO REMOVE ANY ITEMS IN CONFLICT WITH CONSTRUCTION. THE CONTRACTOR SHALL ARRANGE TO REMOVE AND REPLACE ALL OTHER CONFLICTS AS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE WORK SCHEDULES TO PREVENT ANY CONFLICTING WORK CONDITIONS WITH THE CITY OF MESA UTILITY AND TRANSPORTATION CREWS.
- THE CONTRACTOR IS ADVISED THAT A DUST CONTROL PERMIT AND A DUST CONTROL PLAN MAY BE REQUIRED BY THE MARICOPA COUNTY AIR QUALITY DEPARTMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THIS PERMIT, IF NECESSARY, AND COMPLY WITH ITS REQUIREMENTS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A COPY OF THE DUST CONTROL PERMIT AND DUST CONTROL PLAN TO THE CITY FOR REVIEW.
- INSPECTIONS SHALL BE PROVIDED BY THE CITY OF MESA. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTION DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF ANY CONSTRUCTION.
- THE JOB SITE SHALL BE CLEANED OF ANY DEBRIS OR SPOIL RESULTING FROM THIS PROJECT AT THE COMPLETION OF CONSTRUCTION.
- ALL EQUIPMENT AND MATERIALS NOT SHOWN OR SPECIFIED ON THE PLANS OR SPECIFICATIONS, BUT REQUIRED TO COMPLETE THIS PROJECT, SHALL BE SUPPLIED BY THE CONTRACTOR AS PART OF THIS CONTRACT WORK (NO ADDITIONAL COST TO THE CITY).
- WHEREVER PAVEMENT REPLACEMENT PER MESA STD DETAIL M-19.04 OR MAG STD DETAIL 200 IS REFERRED TO WITHIN THESE PLANS, BACKFILLING SHALL BE PER THE CITY OF MESA STREET TRENCH BACKFILLING AND PAVEMENT REPLACEMENT POLICY STATEMENT, REVISED SEPTEMBER 29, 1999.
- FOR PURPOSES OF PAVEMENT PER MAG STD DETAIL 200 OR MESA STD DETAIL M-19.04, INTERSECTIONS ARE DEFINED BY THE CURB RETURNS IN ALL DIRECTIONS.
- ANY SURVEY MARKERS DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY A REGISTERED LAND SURVEYOR AT NO ADDITIONAL COST TO THE CITY.
- ALL EXISTING PAVEMENT MARKINGS, SIGNS, AND SIGNAL EQUIPMENT THAT ARE NOT PART OF THIS PROJECT BUT NEED TO BE REMOVED, REPLACED, RELOCATED, OR REPAIRED BECAUSE OF CONTRACTOR'S WORK WILL BE DONE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS ADVISED THAT DAMAGE TO ANY PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE CITY INSPECTOR. DEPENDING ON DAMAGES, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED THAT ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES OR SYSTEMS AS A RESULT OF CONTRACTOR'S NEGLIGENCE SHALL BE BORNE BY THE CONTRACTOR.

WATER, WASTEWATER, AND STORM DRAIN NOTES (CITY OF MESA)

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- LIME-TREATED AGGREGATE BASE COURSE (ABC) MATERIAL, RECLAIMED CONCRETE MATERIAL (RCM), AND RECLAIMED ASPHALT PAVEMENT (RAP) MATERIALS ARE PROHIBITED FOR USE IN THE PIPE EMBEDMENT ZONE (BEDDING, HAUNCHING, INITIAL BACKFILL) FOR WATERLINE CONSTRUCTION PER MESA AMENDMENTS 601.4.2.
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- ALL WATER METERS ARE TO BE SUPPLIED BY THE CITY OF MESA. CHARGES FOR INSTALLING NEW SERVICES AND METERS WILL BE IN ACCORDANCE WITH THE CURRENT UTILITY SERVICE FEE SCHEDULE. METERS TWO INCHES OR LESS WILL BE DELIVERED AND INSTALLED BY CITY FORCES. METERS LARGER THAN TWO INCHES WILL BE DELIVERED BY THE CITY AND INSTALLED BY THE CONTRACTOR AND REQUIRE SCHEDULING AND INSPECTIONS WITH CITY FORCES. CONTACT THE DEVELOPMENT SERVICES DEPARTMENT AT 480-644-4273 FOR THE SPECIFIC PROCEDURE. SEE M-27.01 FOR MORE INFORMATION.
- WHEN GROUTING OR CASTING CONCRETE AROUND PVC SEWER PIPE, SUCH AS AT MANHOLE OR VAULT PENETRATIONS, THE CONTRACTOR SHALL INSTALL WATER STOPS PER MESA AMENDMENTS TO MAG SPECIFICATION 625 AND MANUFACTURER'S RECOMMENDATIONS.
- SEWER BUILDING CONNECTION LATERALS SHALL BE INSTALLED PER MAG STANDARD DETAIL 440. LATERAL WYES SHALL BE INSTALLED AT NO GREATER THAN A 45 DEGREE ANGLE FROM HORIZONTAL. SEWER LATERAL SLOPES SHALL BE AS INDICATED ON MAG STANDARD DETAIL 440 AND IN NO CIRCUMSTANCE SHALL SEWER LATERAL SLOPES EXCEED 7/8" PER FOOT FOR 6" LATERALS AND 1-1/2" PER FOOT FOR 4" LATERALS. FITTINGS SHALL BE INSTALLED WITH NO ANGULAR JOINT DEFLECTION AND ALL CONNECTIONS SHALL BE GASKETED OR SEALED PER MAG SPECIFICATIONS.
- SEWER MANHOLE BASES, BENCHES, SHELVES, AND CHANNELS SHALL BE CONSTRUCTED PER MAG STANDARD DETAIL 420. EACH INLET PIPE SHALL HAVE A DESIGNATED, FORMED CHANNEL AND BENCHING. THE DIMENSIONS OF CHANNELS, SHELF SLOPE, AND MINIMUM INLET PIPE ANGLES SHALL BE CONSTRUCTED PER MAG STANDARD DETAIL 420-3.
- PER MESA DESIGN STANDARDS, SEWER MANHOLES SHALL BE CONSTRUCTED PER MAG STANDARD DETAILS 420-1, TYPE 'A' TOP; AND 423-2 EXCEPT THAT:
 - MANHOLE SHAFT DIAMETERS SHALL BE 5 FEET.
 - MANHOLE RINGS AND COVERS SHALL HAVE 30-INCH DIAMETERS.
 - STEPS SHALL NOT BE INCLUDED.

CITY OF MESA APPROVAL

SIGNATURE

DATE

PRELIMINARY UTILITY PLAN
SKYBRIDGE ARIZONA LOT 109

A PORTION OF SECTION 32, TOWNSHIP 1 SOUTH , RANGE 7 EAST OF THE
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA

ENGINEER:

RITOCH-POWELL & ASSOCIATES
63 E MAIN ST, STE 602
MESA, AZ 85201
PHONE: 480-539-7497
ENGINEER: JOHN BISHOP, PM
EMAIL: JBISHOP@RPAENG.COM

DEVELOPER/OWNER:

SKYB LOT 109, LLC
ATTN: WILL MOSELEY
2415 E CAMELBACK RD, STE 700
PHOENIX, ARIZONA 85016
PHONE: 602-508-3561
WILL.MOSELEY@SKYBRIDGEDEVELOPMENTS.COM

ARCHITECT:

ADM GROUP, INC.
ATTN: GLENN KLIPFEL
2100 WEST 15TH STREET,
TEMPE, AZ 85281
PHONE: 480.285.3832
EMAIL: GKLIPFEL@ADMGROUPINC.COM

SITE INFORMATION AND PROJECT DATA

ADDRESS: 7722 E VELOCITY WAY, MESA, AZ 85212
ASSESSOR'S NUMBER(S): APN 304-36-002G
AREA: 193,021.43 SF (4.4312 ACRES)
ZONING: LI

SHEET INDEX

SHEET NO.	DWG NO.	SHEET
1	CV01	COVER SHEET
2-3	PUT01-PUT02	PRELIMINARY UTILITY PLAN

LEGAL DESCRIPTION:

A PARCEL OF LAND BEING A PORTION OF THAT TRACT AS CONVEYED TO PHOENIX-MESA GATEWAY AIRPORT AUTHORITY BY DEED OF RECORD IN INSTRUMENT NUMBER 2012-0207529, MARICOPA COUNTY RECORDS (MCR) AND LOCATED IN THE WEST HALF OF SECTION 32, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA & SALT RIVER MERIDIAN, CITY OF MESA, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT SOUTHWEST CORNER OF SECTION 32 (1.5IN. IRON PIPE) FROM WHICH POINT THE SOUTH QUARTER CORNER THEREOF (2.5IN. ALUMINUM CAP) BEARS S89°29'18"E A DISTANCE OF 2637.95 FEET;

THENCE ACROSS SAID AIRPORT TRACT THE REMAINING COURSES AND DISTANCES:

THENCE NORTH 30 DEGREES 11 MINUTES 09 SECONDS EAST, 2203.91 FEET TO THE POINT OF BEGINNING;

THENCE NORTH 44 DEGREES 34 MINUTES 50 SECONDS WEST, 34.70 FEET TO THE BEGINNING OF A CURVE, CONCAVE NORTHEAST, HAVING A RADIUS OF 70.00 FEET; THENCE NORTHWESTERLY 28.04 FEET ALONG THE ARC OF SAID CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 22 DEGREES 57 MINUTES 01 SECONDS; THENCE NORTH 21 DEGREES 37 MINUTES 50 SECONDS WEST, 193.20 FEET TO THE BEGINNING OF A CURVE, CONCAVE SOUTHWEST, HAVING A RADIUS OF 130.00 FEET;

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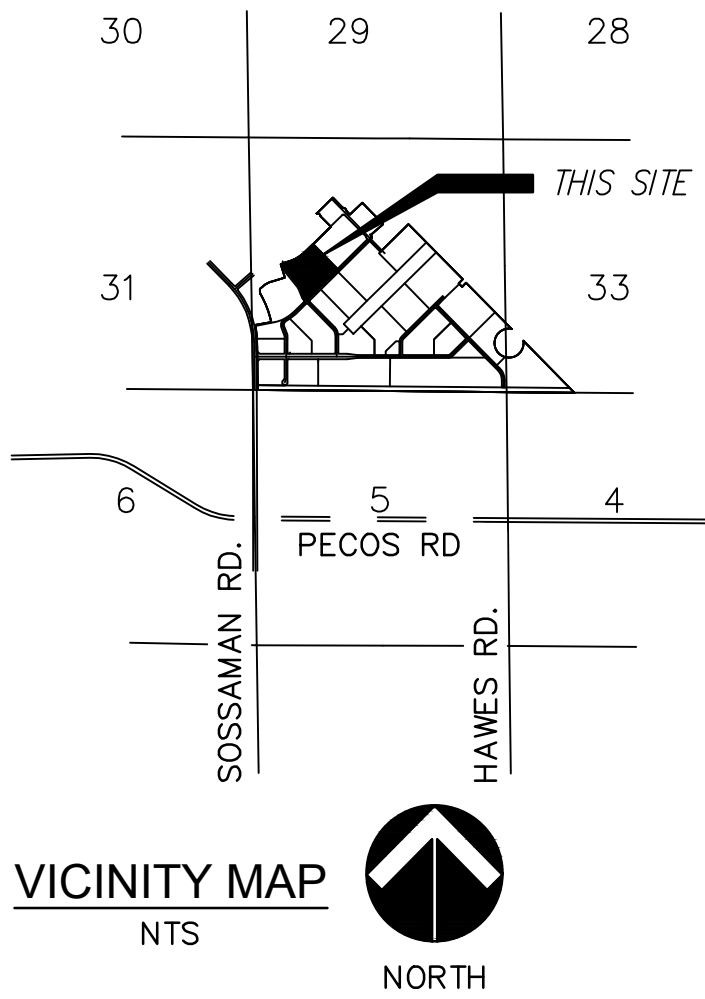
THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 655,980.88 SQUARE FEET (15.059 ACRES) OF LAND, MORE OR LESS, INCLUDING ANY EASEMENTS OF RECORD.

THE BASIS OF BEARING FOR THE ABOVE DESCRIPTION IS S89°29'18"E FOR THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 32, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA & SALT RIVER MERIDIAN, CITY OF MESA, MARICOPA COUNTY, ARIZONA, AS SHOW ON THE PLSS SUBDIVISION RECORD OF SURVEY-MARICOPA COUNTY GEODETTIC DENSIFICATION AND CADASTRAL SURVEY RECORDED IN BOOK 609, PAGE 29, MARICOPA COUNTY RECORDS.

MCESD APPROVAL

SIGNATURE

DATE



NO.	DATE	BY	REVISION

RITOCH-POWELL & Associates
602-263-1177
www.ritchpowell.com

RPA

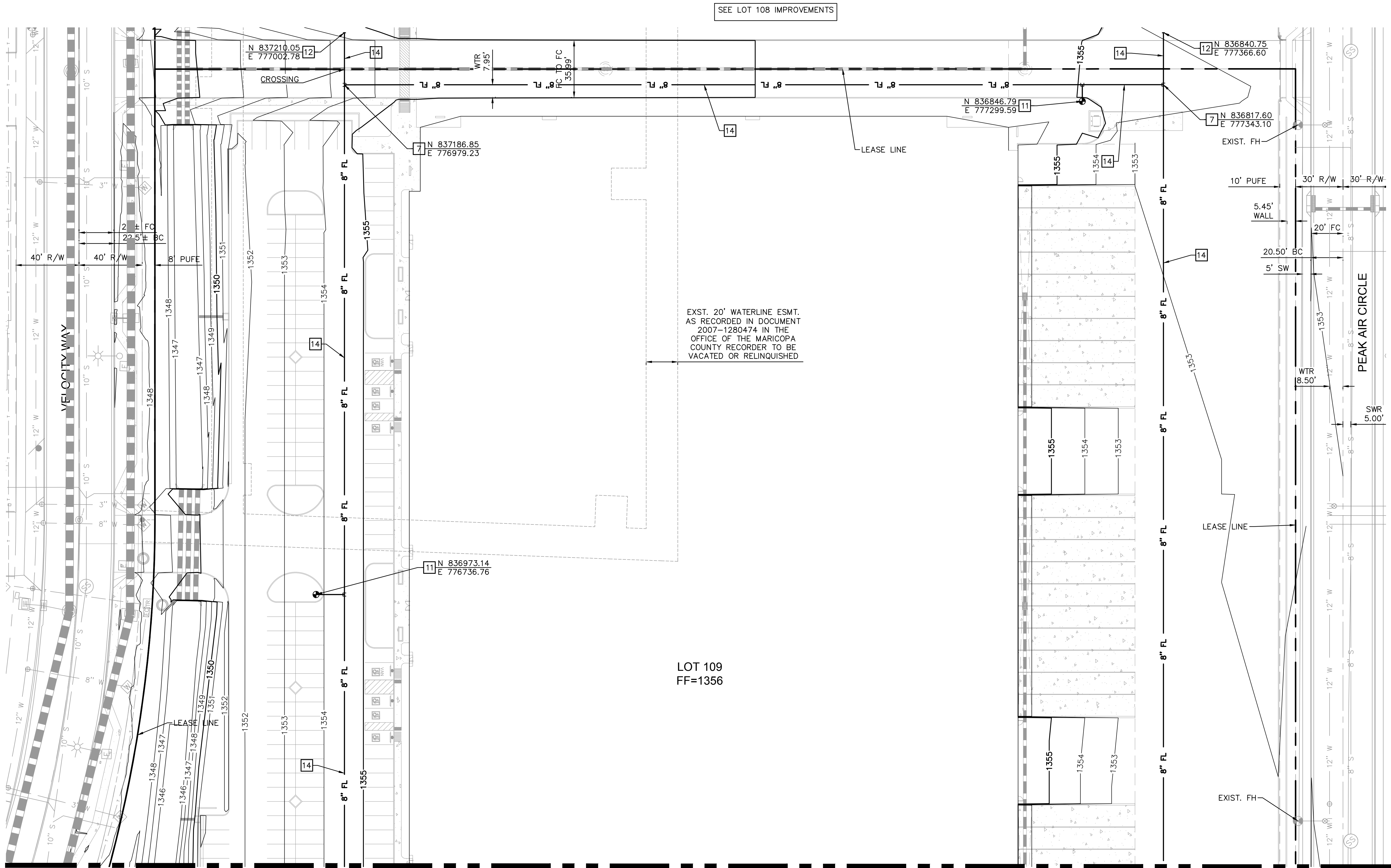


SKYBRIDGE ARIZONA LOT 109
PRELIMINARY UTILITY PLAN
COVER SHEET

MESA, ARIZONA
MARICOPA COUNTY

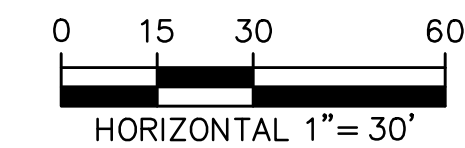
JOB NO.:	221172	DESIGN BY:	JB	DRAWN BY:	JB	CHECKED:	SL	DATE:	1/17/22
DWG:	CV01	SHEET	1	OF	3				





MATCH SHEET 4

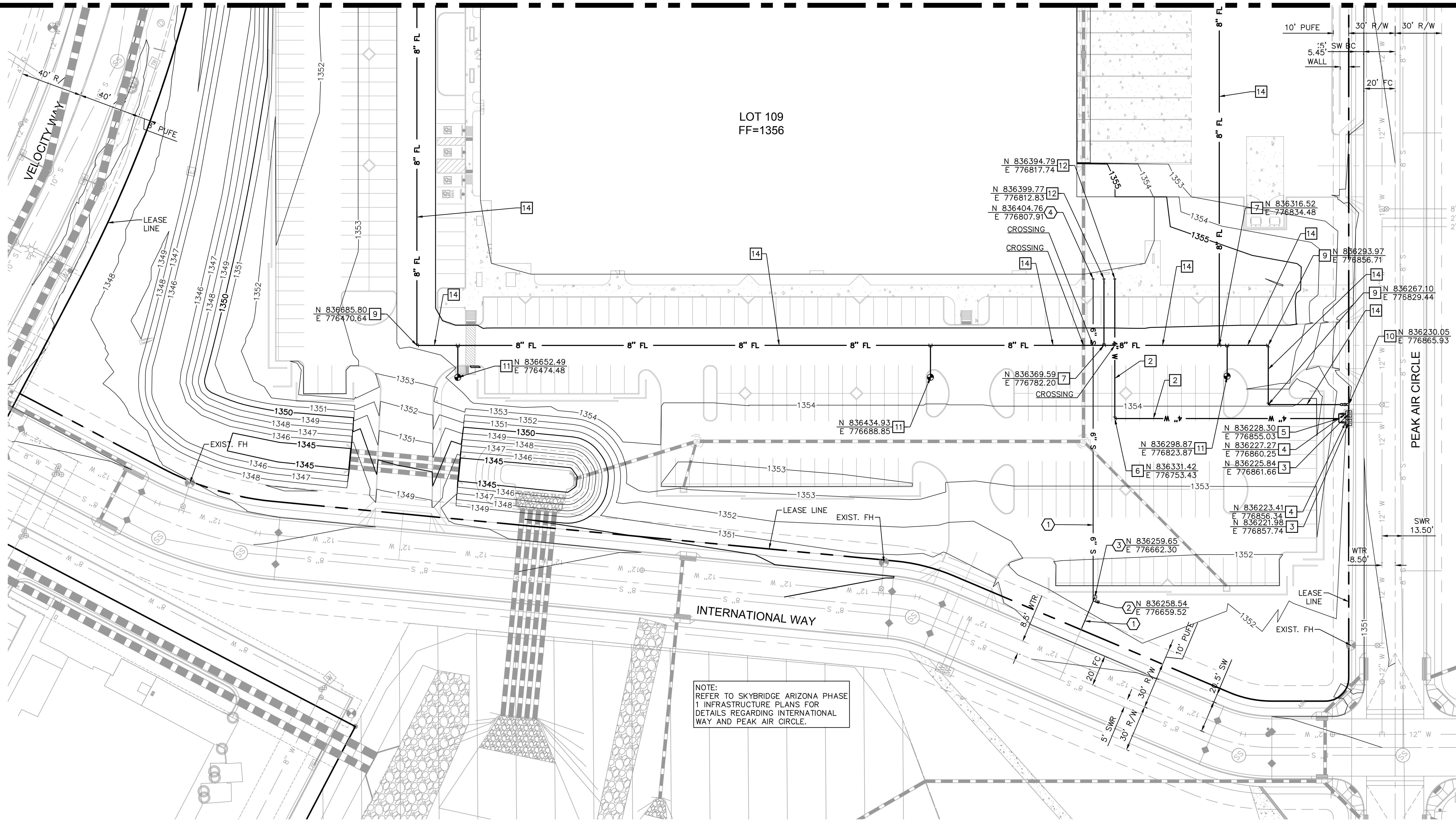
WATER CONSTRUCTION NOTES	
NO.	DESCRIPTION
7	INSTALL 8"x8" TEE
11	INSTALL COMPLETE FIRE HYDRANT ASSEMBLY PER MAG STD DTL 360-1
12	INSTALL TEMPORARY CAP
14	INSTALL 8" PVC WATERLINE



JOB NO.: 221172		DESIGN BY: JB	DATE: 1/17/22			
DWG: PUT01		DRAWN BY: JB	SHEET 2 OF 3			
SKYBRIDGE ARIZONA LOT 109		PRELIMINARY UTILITY PLAN				
MESA, ARIZONA		MARICOPA COUNTY				
RITOCH-POWELL & Associates		www.ritchpowell.com				
RPA		602-263-1177				
34589 STEVE R. LEWIS		EXP. RES. 03/31/2024				
ARIZONA, U.S.A.		REVISION				

DATE: Jan 17, 2022 FILE: J:\2021 Jobs\221172 - Skybridge MP Parcel 109\CAD Files\Sheets\Preliminary Utility Plan\02-221172-PUT-UT01.dwg

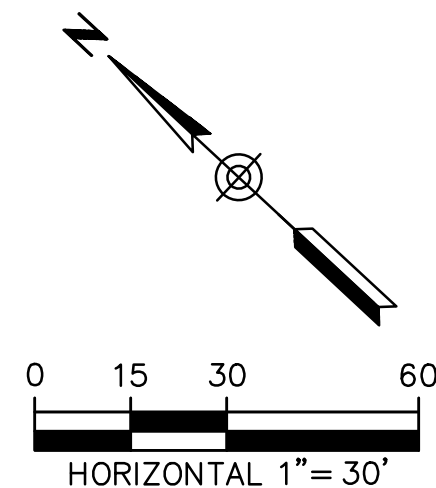
MATCH SHEET 3



WATER CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	INSTALL 2" COPPER WATER SERVICE LINE WITH SADDLE PER COM STD DTLs M-49.01 & M-49.02
2	INSTALL 4" PVC WATER LINE
3	INSTALL 2" WATER METER PER COM STD DTL M49.01 & M-49.02
4	INSTALL 4" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY PER COM STD DTL M-31.03
5	INSTALL 2"x2"x2" TEE WITH 4"x2" REDUCER
6	INSTALL 4" 90° BEND
7	INSTALL 8"x8" TEE

WATER CONSTRUCTION NOTES	
NO.	DESCRIPTION
8	NOT USED
9	INSTALL 8" 90° BEND
10	INSTALL 8" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY PER COM STD DTL M-31.01
11	INSTALL COMPLETE FIRE HYDRANT ASSEMBLY PER MAG STD DTL 360-1
12	INSTALL TEMPORARY CAP
13	VERTICAL REALIGNMENT PER MAG STD DTL 370
14	INSTALL 8" PVC WATERLINE

SEWER CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	INSTALL 6" VCP SEWER LINE
2	INSTALL WYE CONNECTION
3	INSTALL SEWER CLEANOUT PER MAG STD DTL 441
4	INSTALL TEMPORARY PLUG PER MAG STD DTL 427



DWG. PUT02	JOB NO.: 221172	DESIGN BY: JB	DATE: 1/17/22										
	SHEET 3	DRAWN BY: JB	CHECKED: SI										
	OF 3												
	DATE: 1/17/22												
SKYBRIDGE ARIZONA LOT 109													
PRELIMINARY UTILITY PLAN													
MESA, ARIZONA													
MARICOPA COUNTY													
RITOCH-POWELL & Associates 602-263-1177 www.ritchpowell.com													
RPA 34589 STEVE R. LEWIS ARIZONA, U.S.A. EXPIRES 03/31/2024													
REVISION													
BY													
DATE													
NO.													

DATE: Jan 17, 2022 FILE: J:\2021 Jobs\221172 - Skybridge MP Parcel_109\CAD Files\Sheets\Preliminary Utility Plan\01-221172-PUT-CV01.dwg

CITY OF MESA GENERAL NOTES

- ALL WORK AND MATERIALS SHALL CONFORM TO CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND AS AMENDED BY THE CITY OF MESA. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE INFORMATION SHOWN ON DRAWINGS CONCERNING THE TYPE AND LOCATION OF EXISTING UNDERGROUND UTILITIES IS APPROXIMATE AND HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER OR THE ENGINEER'S AGENT. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND AND OVERHEAD UTILITIES.
 - CALL 602-263-1100 OR 811 FOR BLUE STAKE SERVICES.
 - CALL SALT RIVER POWER FOR POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT 602-236-8888.
 - CALL CITY OF MESA ELECTRICAL FOR POLE BRACING, ELECTRICAL SERVICE OR CONSTRUCTION SCHEDULING AT 480-644-2251 WITHIN CITY OF MESA ELECTRICAL SERVICE TERRITORY (DOWNTOWN MESA).
 - WHEN EXCAVATING IN OR ADJACENT TO A CITY PARK OR AQUATIC FACILITY THE CONTRACTOR SHALL CONTACT AQUATICS AND PARKS MAINTENANCE AT 480-644-3097 TO REQUEST ASSISTANCE IN LOCATING UNDERGROUND UTILITY FACILITIES.
 - WHEN EXCAVATING IN OR ADJACENT TO LANDSCAPING WITHIN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL CONTACT TRANSPORTATION FIELD OPERATIONS AT 480-644-3038 TO REQUEST ASSISTANCE IN LOCATING UNDERGROUND IRRIGATION FACILITIES.
- THE CITY OF MESA HAS ADOPTED THE CITY OF PHOENIX 2007 TRAFFIC BARRICADE MANUAL. COPIES ARE AVAILABLE AT 1101 EAST JEFFERSON STREET, PHOENIX, ARIZONA. TELEPHONE 602-262-6235 OR <http://phoenix.gov/streets/traffic/index.html>. CITY OF MESA HAS ISSUED A SUPPLEMENT TO THE PHOENIX TRAFFIC BARRICADE MANUAL. COPIES ARE AVAILABLE AT DEVELOPMENT SERVICES, 55 N. CENTER ST., MESA, ARIZONA. TELEPHONE 480-644-2160 OR BOTH MANUALS ARE AVAILABLE ONLINE AT: <http://www.mesaaz.gov/transportation/barricades.aspx>
- CONTRACTOR TO NOTIFY TRAFFIC OPERATIONS AT 480-644-3126 PRIOR TO SIGN REMOVAL AND WHEN READY TO PERMANENTLY RELOCATE SIGN.
- CONTRACTOR TO OBTAIN ANY PERMITS REQUIRED UNLESS OTHERWISE INDICATED, AND COORDINATE ALL IRRIGATION DRY-UPS, RELOCATIONS, AND REMOVALS BY OTHERS.
- CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AHEAD OF CONSTRUCTION TO ALLOW FOR ANY NECESSARY ADJUSTMENTS IN GRADE LINE AND TO VERIFY PIPE MATERIALS FOR ORDERING THE APPROPRIATE TRANSITION AND TIE-IN FITTINGS THAT MAY BE REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL ABANDONED UTILITIES THAT INTERFERE WITH PROPOSED IMPROVEMENTS. THE CITY OF MESA UTILITIES DEPARTMENT LOCATING SECTION WILL ASSIST THE CONTRACTOR AS NEEDED, IN DETERMINING IF THE UTILITY (GAS, WATER, AND WASTEWATER ONLY) IS ABANDONED BY CALLING 480-644-4500.
- PRIOR TO START OF CONSTRUCTION ON PRIVATE PROPERTY (EASEMENTS), THE CONTRACTOR SHALL GIVE THE OWNER SUFFICIENT TIME (MINIMUM 48 HOURS) TO REMOVE ANY ITEMS IN CONFLICT WITH CONSTRUCTION. THE CONTRACTOR SHALL ARRANGE TO REMOVE AND REPLACE ALL OTHER CONFLICTS AS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE WORK SCHEDULES TO PREVENT ANY CONFLICTING WORK CONDITIONS WITH THE CITY OF MESA UTILITY AND TRANSPORTATION CREWS.
- THE CONTRACTOR IS ADVISED THAT A DUST CONTROL PERMIT AND A DUST CONTROL PLAN MAY BE REQUIRED BY THE MARICOPA COUNTY AIR QUALITY DEPARTMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THIS PERMIT, IF NECESSARY, AND COMPLY WITH ITS REQUIREMENTS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE A COPY OF THE DUST CONTROL PERMIT AND DUST CONTROL PLAN TO THE CITY FOR REVIEW.
- INSPECTIONS SHALL BE PROVIDED BY THE CITY OF MESA. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTION DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF ANY CONSTRUCTION.
- THE JOB SITE SHALL BE CLEANED OF ANY DEBRIS OR SPOIL RESULTING FROM THIS PROJECT AT THE COMPLETION OF CONSTRUCTION.
- ALL EQUIPMENT AND MATERIALS NOT SHOWN OR SPECIFIED ON THE PLANS OR SPECIFICATIONS, BUT REQUIRED TO COMPLETE THIS PROJECT, SHALL BE SUPPLIED BY THE CONTRACTOR AS PART OF THIS CONTRACT WORK (NO ADDITIONAL COST TO THE CITY).
- WHEREVER PAVEMENT REPLACEMENT PER MESA STD DETAIL M-19.04 OR MAG STD DETAIL 200 IS REFERRED TO WITHIN THESE PLANS, BACKFILLING SHALL BE PER THE CITY OF MESA STREET TRENCH BACKFILLING AND PAVEMENT REPLACEMENT POLICY STATEMENT, REVISED SEPTEMBER 29, 1999.
- FOR PURPOSES OF PAVEMENT PER MAG STD DETAIL 200 OR MESA STD DETAIL M-19.04, INTERSECTIONS ARE DEFINED BY THE CURB RETURNS IN ALL DIRECTIONS.
- ANY SURVEY MARKERS DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY A REGISTERED LAND SURVEYOR AT NO ADDITIONAL COST TO THE CITY.
- ALL EXISTING PAVEMENT MARKINGS, SIGNS, AND SIGNAL EQUIPMENT THAT ARE NOT PART OF THIS PROJECT BUT NEED TO BE REMOVED, REPLACED, RELOCATED, OR REPAIRED BECAUSE OF CONTRACTOR'S WORK WILL BE DONE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS ADVISED THAT DAMAGE TO ANY PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE CITY INSPECTOR. DEPENDING ON DAMAGES, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED THAT ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES OR SYSTEMS AS A RESULT OF CONTRACTOR'S NEGLIGENCE SHALL BE BORNE BY THE CONTRACTOR.

WATER, WASTEWATER, AND STORM DRAIN NOTES (CITY OF MESA)

- MATERIALS AND INSTALLATION OF WATER AND SEWER MAINS, WATER METERS AND SERVICE LINE CONNECTIONS SHALL CONFORM TO CURRENT CITY DETAILS, MESA AMENDMENTS TO MAG SPECIFICATIONS, AND THE APPROVED PRODUCTS LIST. SEE BELOW FOR APPROVED PRODUCT LISTS FOR WATER AND WASTEWATER.
[HTTPS://WWW.MESA AZ.GOV/HOME/SHOWDOCUMENT?ID=33740](https://www.mesaaz.gov/home/showdocument?id=33740)
[HTTPS://WWW.MESA AZ.GOV/HOME/SHOWDOCUMENT?ID=24019](https://www.mesaaz.gov/home/showdocument?id=24019)
- IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE (A.A.C.) R18-4-213, ALL MATERIALS WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION (NSF) STANDARDS 60, 61, AND 372 AND SHALL BE LEAD-FREE AS DEFINED IN A.A.C. R18-5-504 AND R18-4-101.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL NECESSARY FITTINGS AND ADAPTERS REQUIRED TO CONNECT DIFFERENT TYPES OF WATER MAIN MATERIALS.
- PER MESA AMENDMENTS 610.4.2 ALL MINOR VERTICAL OR HORIZONTAL DEFLECTIONS SHALL BE BY PIPE JOINT DEFLECTION UNLESS OTHERWISE NOTED. PIPE JOINT DEFLECTION SHALL NOT EXCEED 3 DEGREES OR 2/3 OF PIPE MANUFACTURER'S RECOMMENDATIONS WHICHEVER IS LESS.
- PER MAG AND MESA AMENDMENTS 610.11 ALL WATER LINE TESTS SHALL BE COMPLETED SO THAT NO EXISTING LINES, EXISTING VALVES, OR NEWLY INSTALLED VALVES WHICH ARE CONNECTED TO THE OPERATING WATER SYSTEM ARE INCLUDED IN THE TESTS. ALLOWABLE TIMEFRAMES SHOULD FOLLOW MESA AMENDMENTS TO MAG AND MUST BE COORDINATED WITH THE CITY INSPECTOR. FOR A DAYTIME TIE-IN, THE CONTRACTOR SHALL COMPLETE ALL WORK NECESSARY TO RESTORE UTILITY SERVICE AND FULLY OPEN THE TIE-IN AREA TO TRAFFIC WITHIN THE TIME ALLOWED.
- WATER LINE FLUSHING, PRESSURE TESTING, AND DISINFECTION SHALL BE COMPLETED PER MAG SPECIFICATION SECTION 611. MESA AMENDMENTS TO MAG SPECIFICATION SECTION 611, AND AWWA C651 (CURRENT VERSION).
- SOURCE WATER UTILIZED FOR FILLING, FLUSHING AND TESTING SHALL BE OBTAINED FROM A HYDRANT METER ORDERED THROUGH PERMIT SERVICES, AND SET BY CITY OF MESA WATER RESOURCES STAFF. IT IS PROHIBITED TO OPEN A VALVE TO THE EXISTING WATER SYSTEM TO FILL A NEWLY CONSTRUCTED OR REPAIRED PIPELINE AS OUTLINED IN THE MESA AMENDMENTS TO MAG SECTION 610.11 AND 611.
- WATER METERS, METER BOXES, LIDS, ETC. IN CONFLICT WITH NEW CONSTRUCTION SHALL BE RELOCATED PER CITY OF MESA STANDARD DETAIL M-49 BY THE CONTRACTOR. THE RELOCATION SHALL INCLUDE ALL MATERIALS NECESSARY TO RECONNECT THE METER TO THE CITY DISTRIBUTION SYSTEM. SERVICE LINE EXTENSIONS, IF APPROVED IN WRITING BY MESA WATER RESOURCES DEPARTMENT, SHALL CONFORM TO MESA STANDARD DETAIL M-49. WHEN SERVICE LINE EXTENSIONS ARE APPROVED PER MESA STANDARD DETAIL M-49, SERVICE LINE COUPLINGS SHALL NOT BE PLACED UNDER ROADWAY SURFACES, CONCRETE GUTTERS, CURB AND GUTTER, OR CONCRETE DRIVEWAYS.
- VALVES SHALL BE INSTALLED WITH VALVE BOX AND COVER PER MAG STD DETAILS 391-1, TYPE C WITH A DEEP-SKIRTED LID (4-INCHES MINIMUM) AS NOTED IN THE APPROVED PRODUCTS LIST.
- ALL WATER LINE ABANDONMENT CUT AND PLUGS FOR ACTIVE LINES SHALL CONFORM TO THE FOLLOWING:
 - 12" AND SMALLER DIAMETER PER MESA STANDARD DETAIL M-50.
 - 16" DIAMETER PER M.A.G. STANDARD DETAIL 390, TYPE B.
 - GREATER THAN 16" DIAMETER, AS DESIGNED PER PLAN.
- LIME-TREATED AGGREGATE BASE COURSE (ABC) MATERIAL, RECLAIMED CONCRETE MATERIAL (RCM), AND RECLAIMED ASPHALT PAVEMENT (RAP) MATERIALS ARE PROHIBITED FOR USE IN THE PIPE EMBEDMENT ZONE (BEDDING, HAUNCHING, INITIAL BACKFILL) FOR WATERLINE CONSTRUCTION PER MESA AMENDMENTS 601.4.2.
- PER MESA AMENDMENTS 610.11, APPLICATIONS TO THE CITY OF MESA ENGINEERING INSPECTOR AND REVIEWED AND APPROVED BY THE WATER RESOURCE DEPARTMENT FOR WATER SYSTEM SHUTDOWN FOR THE PURPOSES OF CONSTRUCTION-RELATED ACTIVITIES SHALL BE MADE A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO THE SCHEDULED SHUTDOWN DATE. THE REQUEST SHALL INCLUDE PRIMARY AND SECONDARY VALVE NUMBERS, WHETHER A TEST SHUTDOWN IS REQUESTED, AND THE DATE AND DURATION OF THE REQUESTED SHUTDOWN. PER MAG 610.11, THE CITY OF MESA DOES NOT GUARANTEE A COMPLETE SHUTDOWN.

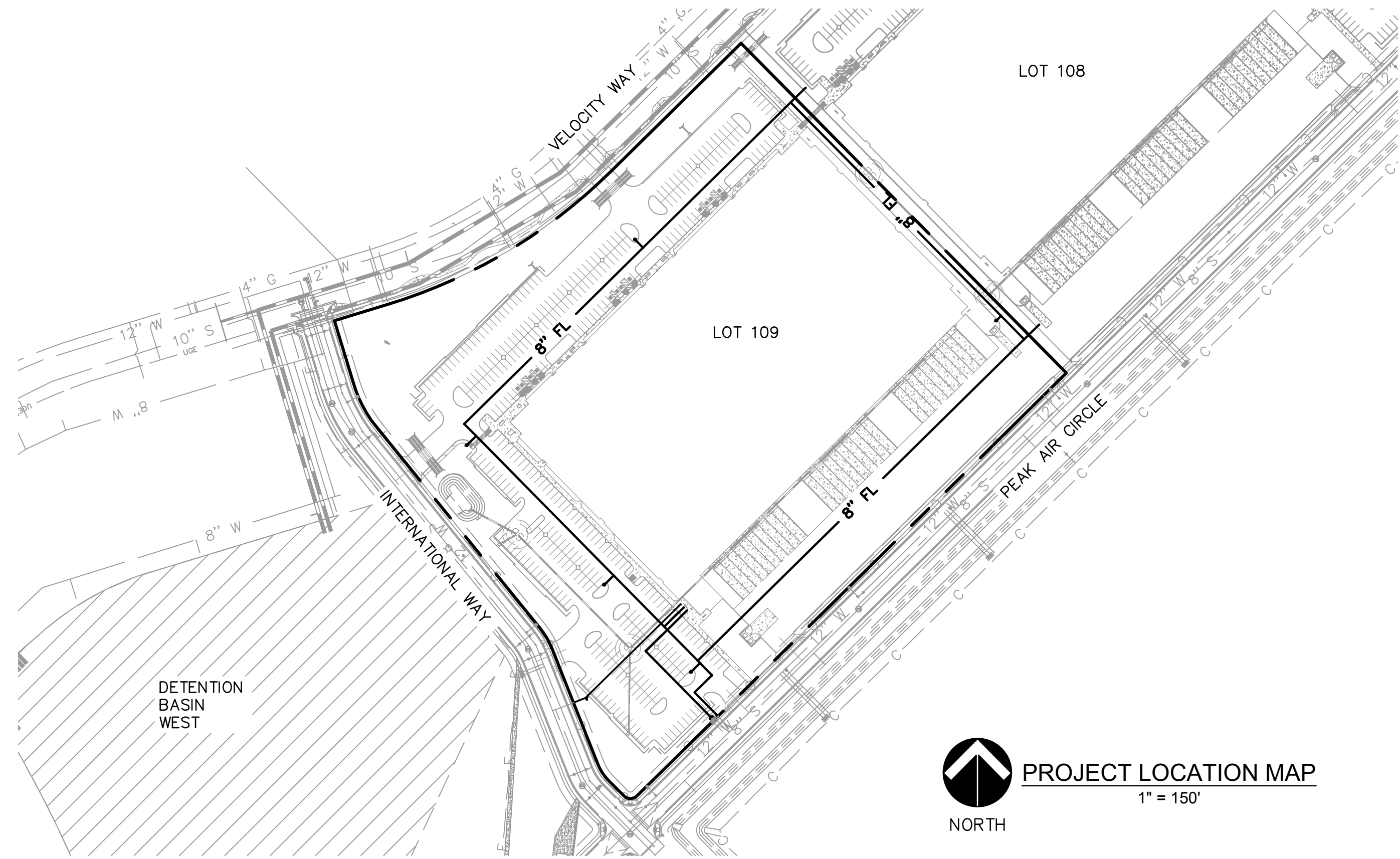
CITY OF MESA APPROVAL

SIGNATURE

DATE

PRELIMINARY UTILITY PLAN
SKYBRIDGE ARIZONA LOT 109

A PORTION OF SECTION 32, TOWNSHIP 1 SOUTH , RANGE 7 EAST OF THE
GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA



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THENCE SOUTH 45 DEGREES 25 MINUTES 29 SECONDS WEST, 938.91 FEET TO THE BEGINNING OF A CURVE, CONCAVE NORTHERLY, HAVING A RADIUS OF 15.00 FEET; THENCE WESTERLY 23.56 FEET ALONG THE ARC OF SAID CURVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 89 DEGREES 59 MINUTES 41 SECONDS TO THE POINT OF BEGINNING.

THE ABOVE DESCRIBED PARCEL OF LAND CONTAINS 655,980.88 SQUARE FEET (15.059 ACRES) OF LAND, MORE OR LESS, INCLUDING ANY EASEMENTS OF RECORD.

THE BASIS OF BEARING FOR THE ABOVE DESCRIPTION IS S89°29'18"E FOR THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 32, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA & SALT RIVER MERIDIAN, CITY OF MESA, MARICOPA COUNTY, ARIZONA, AS SHOW ON THE PLSS SUBDIVISION RECORD OF SURVEY-MARICOPA COUNTY GEODETTIC DENSIFICATION AND CADASTRAL SURVEY RECORDED IN BOOK 609, PAGE 29, MARICOPA COUNTY RECORDS.

MCESD APPROVAL

SIGNATURE

DATE

ENGINEER:

RITOCH-POWELL & ASSOCIATES
63 E MAIN ST, STE 502
MESA, AZ 85201
PHONE: 480-539-7497
ENGINEER: JOHN BISHOP, PM
EMAIL: JBISHOP@RPAENG.COM

DEVELOPER/OWNER:

SKYB LOT 109, LLC
ATTN: WILL MOSELEY
2415 E CAMELBACK RD, STE 700
PHOENIX, ARIZONA 85016
PHONE: 602-508-3561
WILL.MOSELEY@SKYBRIDGEDEVELOPMENTS.COM

ARCHITECT:

ADM GROUP, INC.
ATTN: GLENN KLIPFEL
2100 WEST 15TH STREET,
TEMPE, AZ 85281
PHONE: 480.285.3832
EMAIL: GKLIKFEL@ADMGROUPINC.COM

SITE INFORMATION AND PROJECT DATA

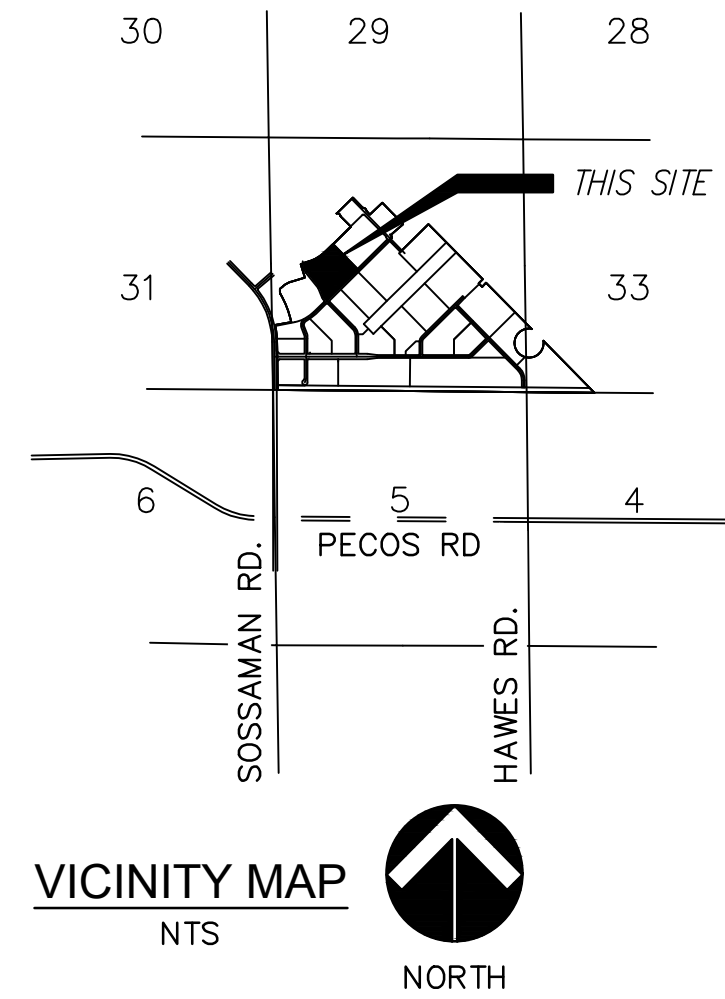
ADDRESS: 7722 E VELOCITY WAY, MESA, AZ 85212
ASSESSOR'S NUMBER(S): APN 304-36-002G
AREA: 193,021.43 SF (4.4312 ACRES)
ZONING: LI

SHEET INDEX

SHEET NO.	DWG NO.	SHEET
1	CV01	COVER SHEET
2-3	PUT01-PUT02	PRELIMINARY UTILITY PLAN

LEGEND

——— 1040 ———	PROPOSED CONTOUR LINE
——— 1040 ———	EXISTING CONTOUR LINE
→	FLOW ARROW
——— FG XX.XX ———	PROPOSED FINISHED GRADE ELEVATION
——— EG XX.XX ———	EXISTING GROUND ELEVATION
----	SAWCUT LINE
----	PROPERTY LINE
----	EASEMENT/BUILDING SETBACK LINE
----	SECTION LINE
----	RIGHT OF WAY
——— OHE ———	EXISTING OVERHEAD ELECTRIC
——— X ——— X ———	EXISTING FENCE
——— W ———	EXISTING WATER LINE
——— S ———	EXISTING SEWER LINE
——— UGE ———	EXISTING UNDERGROUND ELECTRIC
----	EXISTING STORM DRAIN
----	EXISTING TELEPHONE SERVICE
——— G ———	EXISTING GAS LINE
●	PROPERTY CORNER
W	EXISTING WATER METER
SS	EXISTING SEWER MANHOLE
SD	EXISTING STORM DRAIN MANHOLE
⊕	EXISTING FIRE HYDRANT
⊗	EXISTING WATER VALVE
⌈	EXISTING PEDESTAL
⊙	EXISTING POWER POLE
●	EXISTING SIGN
⊙	EXISTING OVERHEAD LIGHT



VICINITY MAP

NTS



BENCHMARKS:

BENCHMARK NO. 1
SOSSAMAN ROAD & GERMANN ROAD
BRASS TAG NORTHWEST CORNER IN BRIDGE
(NAVD88) ELEVATION = 1356.84
N=829154.80
E=775618.91

BENCHMARK NO. 2
SIGNAL BUTTE ROAD AND WARNER ROAD
BRASS TAG ON TOP OF CURB AT
NORTHEAST CORNER
(NAVD88) ELEVATION = 1453.68
N=849927.63
E=796601.80

BENCHMARK NO. 3
MERIDIAN ROAD AND WARNER ROAD
BRASS TAG ON TOP OF CURB AT
NORTHWEST CORNER
(NAVD88) ELEVATION = 1481.30
N=849854.30
E=801754.48

BASIS OF BEARING:

FOR THIS PROJECT IS S89°29'18"E FOR THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 32, TOWNSHIP 1 SOUTH, RANGE 7 EAST OF THE GILA & SALT RIVER MERIDIAN AS CALCULATED FROM A PLSS SUBDIVISION RECORD OF SURVEY MARICOPA COUNTY GEODETTIC DENSIFICATION AND CADASTRAL SURVEY RECORDED IN BOOK 609, PAGE 29, MARICOPA COUNTY RECORDS.

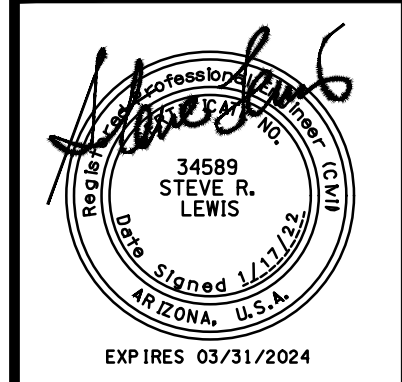
UTILITIES/SERVICE PROVIDERS

SEWER	CITY OF MESA
WATER	CITY OF MESA
GAS	SOUTHWEST GAS
ELECTRICITY	APS
TELEPHONE	CENTURYLINK
POLICE	CITY OF MESA
FIRE	MESA FIRE DEPARTMENT
SOLID WASTE	CITY OF MESA



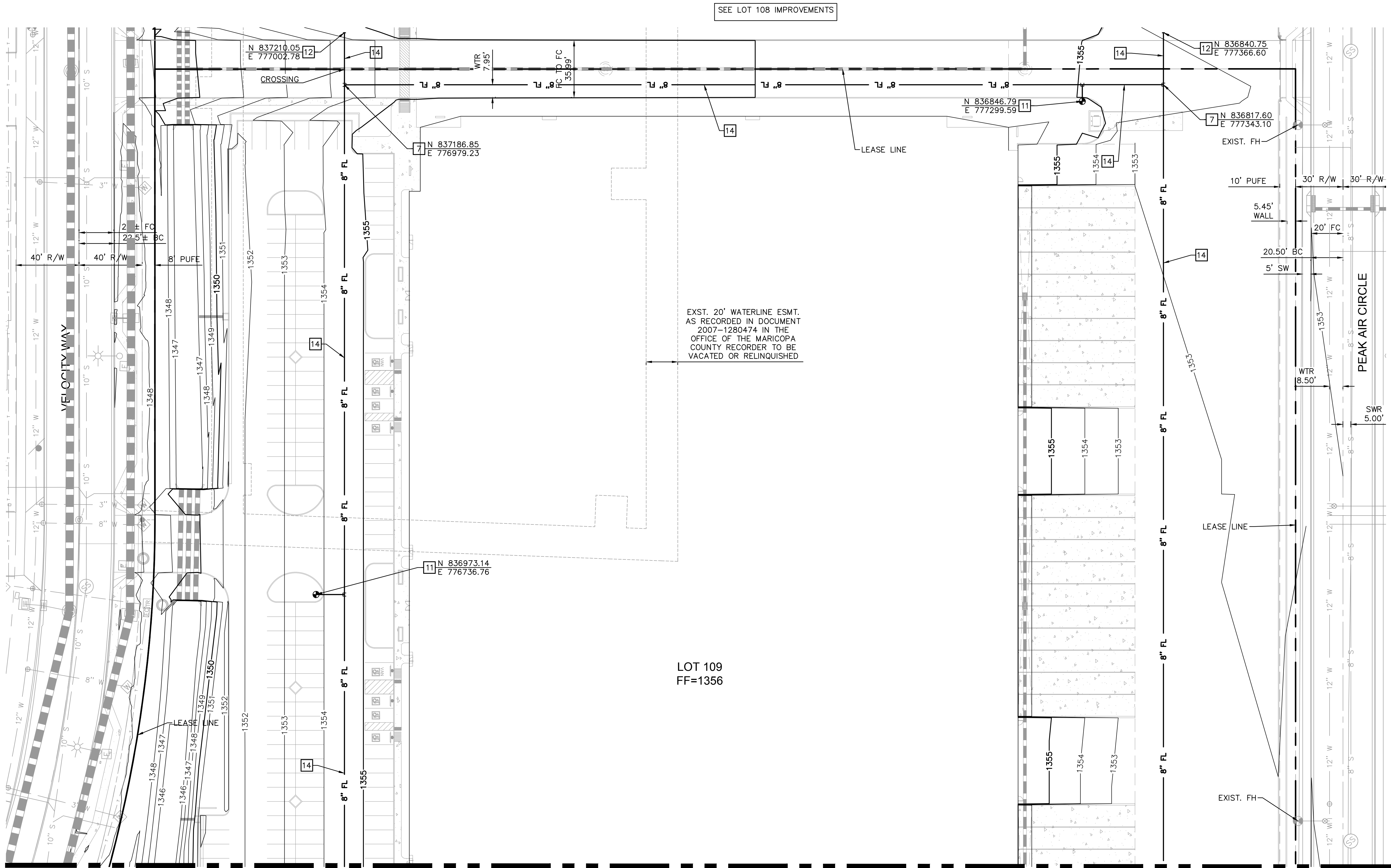
NO.	DATE	BY	REVISION

RITOCH-POWELL & Associates
RPA
602-263-1177
www.ritchpowell.com



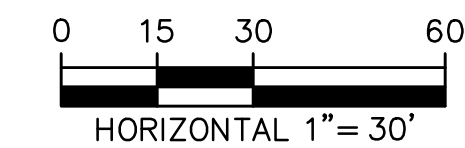
SKYBRIDGE ARIZONA LOT 109
PRELIMINARY UTILITY PLAN
COVER SHEET
MESA, ARIZONA
MARICOPA COUNTY

JOB NO.:	221172	DESIGN BY:	JB	DRAWN BY:	JB	CHECKED:	SL	DATE:	1/17/22
DWG:	CV01	SHEET	1	OF	3				



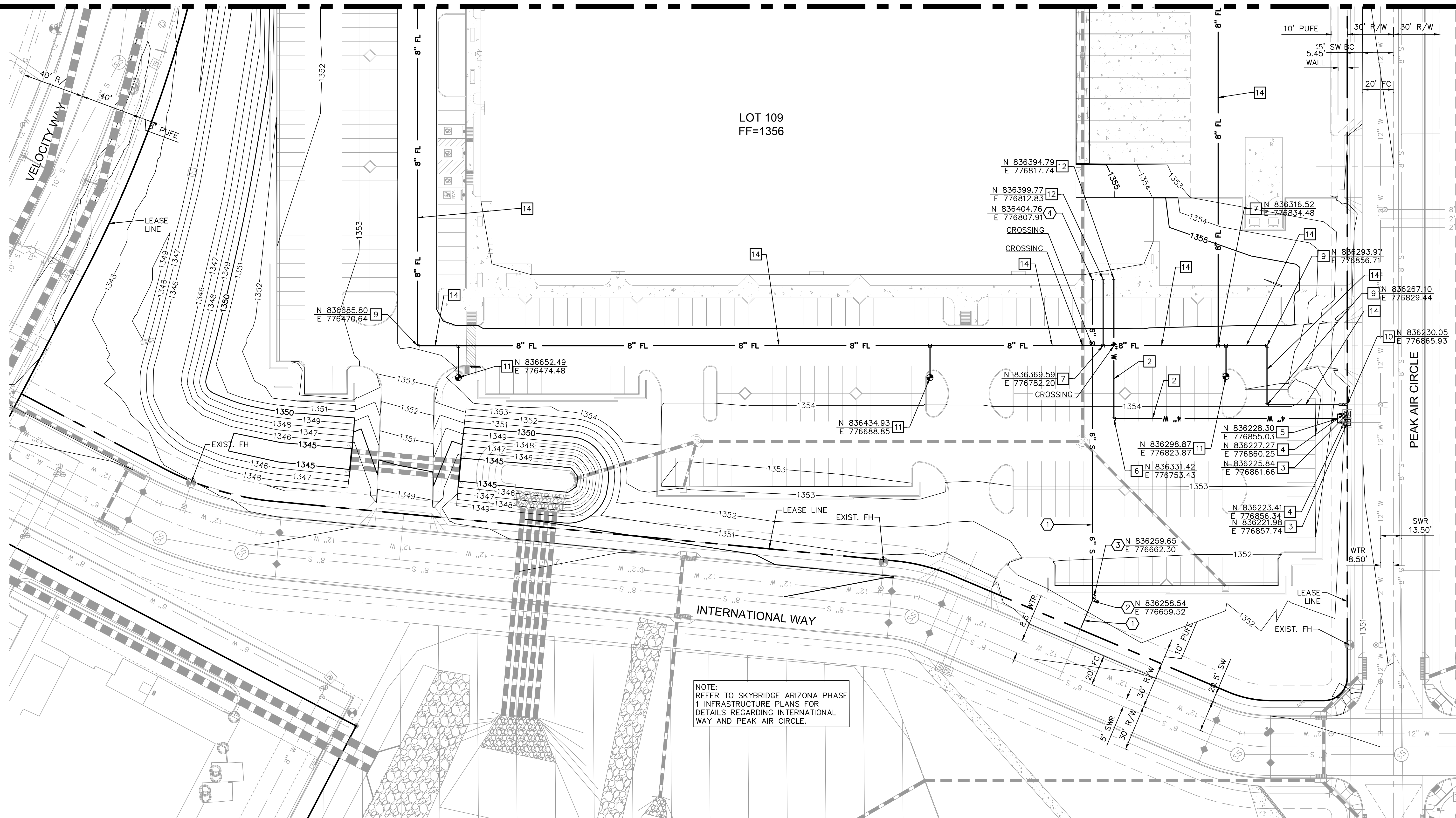
MATCH SHEET 4

WATER CONSTRUCTION NOTES	
NO.	DESCRIPTION
7	INSTALL 8"x8" TEE
11	INSTALL COMPLETE FIRE HYDRANT ASSEMBLY PER MAG STD DTL 360-1
12	INSTALL TEMPORARY CAP
14	INSTALL 8" PVC WATERLINE



JOB NO.: 221172		DESIGN BY: JB	DATE: 1/17/22			
DWG: PUT01		DRAWN BY: JB	SHEET 2 OF 3			
SKYBRIDGE ARIZONA LOT 109		PRELIMINARY UTILITY PLAN				
MARICOPA COUNTY		MESA, ARIZONA				
RITOCH-POWELL & Associates		www.ritchpowell.com				
RPA		602-263-1177				
34589 STEVE R. LEWIS		EXP. RES. 03/31/2024				
REVISION		BY	DATE	NO.		

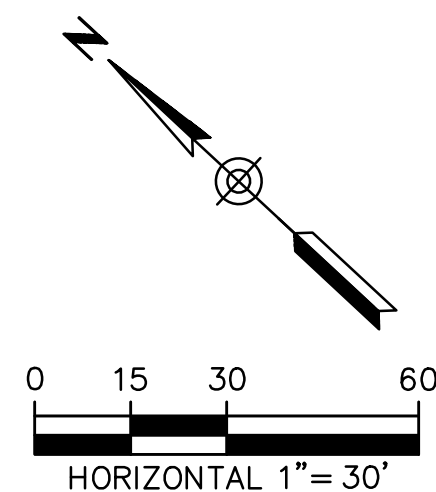
MATCH SHEET 3



WATER CONSTRUCTION NOTES	
NO.	DESCRIPTION
1	INSTALL 2" COPPER WATER SERVICE LINE WITH SADDLE PER COM STD DTLS M-49.01 & M-49.02
2	INSTALL 4" PVC WATER LINE
3	INSTALL 2" WATER METER PER COM STD DTL M49.01 & M-49.02
4	INSTALL 4" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY PER COM STD DTL M-31.03
5	INSTALL 2"x2"x2" TEE WITH 4"x2" REDUCER
6	INSTALL 4" 90° BEND
7	INSTALL 8"x8" TEE

WATER CONSTRUCTION NOTES	
NO.	DESCRIPTION
[8]	NOT USED
[9]	INSTALL 8" 90° BEND
[10]	INSTALL 8" REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY PER COM STD DTL M-31.01
[11]	INSTALL COMPLETE FIRE HYDRANT ASSEMBLY PER MAG STD DTL 360-1
[12]	INSTALL TEMPORARY CAP
[13]	VERTICAL REALIGNMENT PER MAG STD DTL 370
[14]	INSTALL 8" PVC WATERLINE

SEWER CONSTRUCTION NOTES	
NO.	DESCRIPTION
①	INSTALL 6" VCP SEWER LINE
②	INSTALL WYE CONNECTION
③	INSTALL SEWER CLEANOUT PER MAG STD DTL 441
④	INSTALL TEMPORARY PLUG PER MAG STD DTL 427



DWG.		JOB NO.:	221172	SKYBRIDGE ARIZONA LOT 109	
PUT02		DESIGN BY:	JB	PRELIMINARY UTILITY PLAN	
		DRAWN BY:	JB		
		CHECKED:	SL		
		DATE:	1/17/22		
SHEET				MARICOPA COUNTY	MESA, ARIZONA
OF 3					