

**APN 217-36-021A  
9003 E SHEA BLVD  
SCOTTSDALE, ARIZONA 85258  
A PORTION OF SECTION 30, TOWNSHIP 3 NORTH, RANGE E EAST  
MARICOPA COUNTY, ARIZONA.**

▲ POUND CITY OF SCOTTSDALE PUBLISHED BENCHMARK DESCRIBED AS:  
BCHHOS AT THE INTERSECTION OF SHEA BOULEVARD AND 92ND STREET.  
NORTHING = 939621.5361  
EASTING = 710456.71  
HORIZONTAL DATUM: NAD83 (2011 EPOCH) ARIZONA CENTRAL ZONE, GROUND  
PUBLISHED ELEVATION = 1372.241  
VERTICAL DATUM: CITY OF SCOTTSDALE NAVD '88

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON NAVD 1988 AND MEET THE FEMA BENCHMARK MAINTENANCE (BMM) CRITERIA.

DATE \_\_\_\_\_

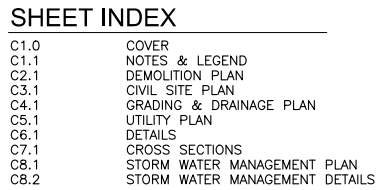
COMMUNITY NUMBER	PANEL # PANEL DATE	SUFFIX	DATE OF FIRM (INDEX DATE)	FIRM ZONE	BASE FLOOD ELEVATION (IN AO ZONE USE DEPTH)
045012	04013C1760L 10/16/2013	L	05/24/2022	X	N/A

THE LOWEST FLOOR ELEVATION(S) AND/OR FLOOD PROOFING ELEVATION(S) ON THIS PLAN ARE SUFFICIENTLY HIGH TO PROVIDE PROTECTION FROM FLOODING CAUSED BY A 100-YEAR STORM, AND ARE IN ACCORDANCE WITH SCOTTSDALE REVISED CODE, CHAPTER 37 - FLOODPLAIN AND STORM WATER REGULATION.

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE \_\_\_\_\_

NO CONFLICT SIGNATURE BLOCK				
UTILITY	UTILITY COMPANY	NAME OF COMPANY REPRESENTATIVE	TELEPHONE NUMBER	DATE SENT
ELECTRIC	APS	BEATRICE SAUCEDA	623.975.5757	7/16/2024
TELEPHONE	CENTURY LINK	ESTHER MEDINA	480.423.4763	7/16/2024
NATURAL GAS	SOUTHWEST GAS	ZACH STEVENSON	480.730.3855	7/16/2024
CABLE TV	COX COMMUNICATIONS	UTILITY ADMIN	623.328.3514	7/16/2024
TELEPHONE	ATT	TANYA HERNANDEZ	619.200.7896	7/16/2024
ENGINEER'S CERTIFICATION				
<p>I _____, AS ENGINEER OF RECORD FOR THIS DEVELOPMENT, HEREBY CERTIFY THAT ALL UTILITY COMPANIES LISTED ABOVE HAVE BEEN PROVIDED FINAL DEVELOPMENT PLANS FOR REVIEW, AND THAT ALL CONFLICTS IDENTIFIED BY THE UTILITIES HAVE BEEN RESOLVED. IN ADDITION, "NO CONFLICT" FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY AND ARE INCLUDED IN THIS SUBMITTAL.</p>				
SIGNATURE			DATE	



THIS SITE IS NOT IN A SPECIAL FLOOD HAZARD AREA. OFFSITE FLOODS DO NOT AFFECT THIS SITE. THIS PROJECT WILL NOT IMPACT THE EXISTING DRAINAGE PATTERNS OR INCREASE SITE RUN-OFF. THE SITE OUTFALLS TO 90TH STREET AT AN ELEVATION OF 1362.50.

285	CUT
144	FILL
141	NET (EXPORT)

NOTE: CONTRACTOR TO CONDUCT INDEPENDENT EARTHWORK CALCULATIONS.



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LANDSCAPE ARCHITECT  
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LOT 3A OF McCORMICK RANCH CENTER - II SUBDIVISION AS  
RECORDED IN BOOK 196 OF MAPS, PAGE 04, RECORDS OF  
MARICOPA, COUNTY, ARIZONA.

THIS PROJECT INCLUDES A NEW PARKING GARAGE  
STRUCTURE WITH ASSOCIATED HARDSCAPE IMPROVEMENTS.  
SCOPE OF WORK TO INCLUDE REMOVING EXISTING COVERED  
PARKING SPACES, EXISTING PAVEMENT, EXISTING CURBS,  
EXISTING SIGNAGE AND EXISTING ELECTRICAL. THE  
CONSTRUCTION OF NEW PARKING GARAGE, NEW CURBS, NEW  
PAVEMENT, AND NEW SIGNAGE.

TOTAL SITE AREA	188,382 SF (4.33 ACRES)
TOTAL DISTURBED AREA	112,932 SF (2.59 ACRES)(APPROX)

CIVIL APPROVAL			
REVIEW & RECOMMENDED APPROVAL BY:			
PAVING		TRAFFIC	
G&D		PLANNING	
W&S		FIRE	
RET. WALLS			
ENGINEERING COORDINATION MGR. _____		DATE _____	

Lamar Johnson  
Collaborative 7

3020 E CAMELBACK ROAD, SUITE 201  
PHOENIX, ARIZONA 85016

# HONORHEALTH SHEA GARAGE

HonorHealth  
9003 E. Shea Blvd. Scottsdale, AZ 85260  
Development Review

[illegible]

BUILDING MAP

DRAWING TITLE	COVER
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DRAWING NO.

C1.0

Job #	008229
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## ENGINEER'S GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST EDITION OF THE MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) STANDARDS AND SPECIFICATIONS, THE PLUMBING CODE ADOPTED BY THE LOCAL JURISDICTION, AND ALL APPLICABLE CODES & ORDINANCES. WHERE SPECIFICATIONS PROVIDE OVERLAPPING REQUIREMENTS, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
2. ALL CONSTRUCTION SHALL CONFORM TO THE PROJECT GEOTECHNICAL REPORT RECOMMENDATIONS & REQUIREMENTS.
3. CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED.
5. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCLUDING INCIDENTAL, SURVEYING & INSPECTION.
6. CONTRACTOR SHALL INSTALL SIGNAGE, PAINT, PAVEMENT MARKINGS, REFLECTORS, AND OTHER REQUIRED COMPONENTS AS DIRECTED BY THE FIRE MARSHAL.
7. ALL QUANTITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL INDEPENDENTLY VERIFY QUANTITIES.
8. CONTRACTOR SHALL WARRANT ALL WORK FOR A MINIMUM OF 1 YEAR OR AS SPECIFIED IN THE CONTRACT DOCUMENTS, WHICHEVER IS GREATER
9. CONTRACTOR SHALL PROVIDE REPRODUCIBLE "AS-BUILT ELECTRONIC RECORD DRAWINGS" SEALED BY A REGISTERED LAND SURVEYOR TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK. DRAWINGS SHALL DEPICT AS-BUILT INFORMATION WHERE INVERT, ELEVATIONS, STATIONS AND COORDINATES ARE NOTED IN THE DESIGN DOCUMENTS AND MODIFICATIONS TO APPROVED PLANS AS REQUIRED BY THE PERMITTING AGENCY.
10. ALL DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.

## ENGINEER'S UTILITY NOTES

- EXISTING UTILITIES ARE SHOWN WITH BEST AVAILABLE INFORMATION HOWEVER NOT ALL UTILITIES MAY BE SHOWN. CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ARIZONA 811 PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE THAT MAY BE INCURRED TO THE UTILITIES AND INCURRED FOR ANY REPAIR COSTS INCLUDING ACCIDENTAL COSTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF EACH VARIOUS UTILITY AND FACILITY WITH WHICH THERE ARE CONFLICTS WITH THE NEW CONSTRUCTION AND MAKING ALL NECESSARY ARRANGEMENTS WITH THE OWNER FOR RELOCATION OR ABANDONING THE UTILITY OR FACILITY AS REQUIRED BY ITS OWNER.
2. ALL PIPE TRENCH CROSS SECTIONS SHALL CONFORM TO MAG STANDARD DETAIL 200-1 TYPE B AND 200-2 UNLESS OTHERWISE NOTED PER PLAN.
3. ALL WATER PIPING SHALL BE INSTALLED WITH RESTRAINED JOINTS.
4. ALL WATER MAINS SHALL BE INSTALLED WITH 3' MIN COVER FOR LINES LESS THAN 12" AND 4' MIN COVER FOR WATER MAINS 12" AND LARGER.
5. LOCATOR MARKER BALLS SHALL BE LOCATED AT ALL FITTINGS AND SERVICE CONNECTIONS AND AT MINIMUM 200' SPACING ALONG THE PIPE FOR WATER AND SEWER LINES.
6. ALL PIPING SHALL BE INSTALLED WITH TRACER WIRE AND WARNING TAPE 6" ABOVE THE PIPE.
7. CONTRACTOR SHALL VERTICALLY REALIGN WATER LINES AS REQUIRED AT UTILITY CROSSINGS PER MAG STD DET 370. CONTRACTOR SHALL MEET WATER/SEWER SEPARATION AND ADD EXTRA PROTECTION PER MAG STD DET 404-1, 2 & 3 WHERE REQUIRED.
8. ALL WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH MAG SPEC 610.16 AND 611.
9. ALL DIP PIPING SHALL BE INSTALLED WITH POLYWRAP.
10. ALL DAMAGED OR DISTURBED FINISH GRADE MATERIALS (DG, ROCK MULCH, RIPRAP, GRASS, ETC) SHALL BE REPLACED IN-KIND. GRASS SHALL BE REPLACED WITH SOD AND MATCH TO THE EXISTING VARIETY AND A SAMPLE SHALL BE SUBMITTED TO THE OWNER FOR APPROVED PRIOR TO CONSTRUCTION. DG, ROCK MULCH, AND RIPRAP SHALL MATCH TO EXISTING ON-SITE COLOR AND TYPE AND A SAMPLE SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
11. IN ACCORDANCE WITH THE SAFE DRINKING WATER ACT AND AAC R18-4-213, ALL MATERIALS INSTALLED AFTER JANUARY 4, 2014 WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60, 61, & 372. ALL POTABLE WATERLINES AND FITTINGS SHALL HAVE A NSF-PW SEAL. ALL MATERIALS SHALL BE LEAD FREE AS DEFINED IN NSF 372, AAC R18-5-504 & AAC R18-4-101.
12. ALL ABOVE GROUND PIPING AND PIPING EXPOSED TO THE ATMOSPHERE SHALL BE COATED WITH A PRIMER COAT AND A FINISH COAT AS FOLLOWS:  
  
FERROUS METAL: PRIME COATS SHALL BE AN EPOXY PRIMER COMPATIBLE FOR USE WITH URETHANE FINISH COATS AND APPLIED IN ACCORDANCE WITH WRITTEN INSTRUCTIONS OF THE COATING MANUFACTURER.  
  
NONFERROUS AND GALVANIZED METAL: NONFERROUS AND GALVANIZED METAL SHALL BE CLEANED PRIOR TO THE APPLICATION OF THE PRIME COAT PRIMER SHALL BE ONE COATING AT MANUFACTURER'S RECOMMENDED DRY FILM THICKNESS FINISH SHALL BE ONE OR MORE COATS AT MANUFACTURER'S RECOMMENDED DRY FILM THICKNESS PER COAT TO A DRY SYSTEM THICKNESS OF 2 MILS.
13. CONTRACTOR SHALL PERFORM A DEFLECTION TEST OF THE TOTAL LENGTH OF ALL SEWER LINES MADE OF FLEXIBLE MATERIALS TO ENSURE THAT THE INSTALLATION MEETS OR EXCEEDS THE MANUFACTURER'S RECOMMENDATIONS AND RECORD THE RESULT (R18-9-E301.D.2.i / MAG 615.11).
14. CONTRACTOR SHALL TEST EACH SEGMENT OF THE SEWER LINE FOR LEAKAGE USING THE APPROPRIATE ASTM TEST FOR THE PIPE MATERIAL (R18-9-E301.D.2.j / MAG 615.11)
15. CONTRACTOR SHALL TEST EACH MANHOLE ACCORDING TO R18-9-E301.D.3.E AND F.
16. IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE (A.A.C.) R18-4-213, ALL MATERIALS ADDED AFTER JANUARY 1ST, 1993, WHICH MAY COME INTO CONTACT WITH DRINKING WATER, SHALL CONFORM TO NATIONAL SANITATION FOUNDATION STANDARDS 60 AND 61.
17. ALL WATER LINE MATERIALS MUST BE ABLE TO WITHSTAND A WORKING PRESSURE OF 150 PSI PLUS ALLOWANCE FOR WATER HAMMER. (EB 10, CHAP. 7, SECT. C, PART 2 / MAG 610.3A).
18. ALL PIPES, FITTINGS, VALVES, FIRE HYDRANTS, AND OTHER APPURTENANCES SHALL CONFORM TO CURRENT AWWA, ASTM, AND NSF STANDARDS. (EB 10, CHAP. 7, SECTION B).

## GENERAL NOTES FOR SIGNING & PAVEMENT MARKING

2. ALL PAVEMENT MARKINGS, SIGNING, AND WORK ZONE TRAFFIC CONTROL TYPE AND LAYOUT NEED TO CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, [HTTP: MUTCD.FHWA.DOT.GOV/INDEX.HTM](http://mutcd.fhwa.dot.gov/index.htm).
3. WORK ZONE TRAFFIC CONTROL NEEDS TO CONFORM TO THE CITY OF PHOENIX "TRAFFIC BARRICADE MANUAL" AND/OR AS DIRECTED BY THE CITY PUBLIC WORKS INSPECTOR OR TRAFFIC ENGINEERING DIVISION.
4. SIGNS ARE TO BE INSTALLED ON TELESPEAR PREPUNCHED SQUARE STEEL TUBING POSTS PER COS STANDARD DETAIL NO. 2131, [WWW.SCOTTSDALEAZ.GOV/DESIGN/COSMAGSUPP](http://WWW.SCOTTSDALEAZ.GOV/DESIGN/COSMAGSUPP).
5. DIMENSIONS TO SIGNS SHALL TO INCLUDE THE SIGN POST, OR IN THE CASE OF MULTIPLE POSTS, THE PLAN VIEW CENTER OF THE SIGN.
6. "NO PARKING" SIGNS SHALL ONLY BE USED WHEN THE FOLLOWING SITE CONDITIONS EXIST.
  - A. WHEN ANY RIGHT HAND LANE (CURB ENDS) IS 16 FEET OR WIDER, OR IF A PAVED SHOULDER AREA IS PRESENT.
  - B. WHERE ON-STREET PARKING COULD BE EXPECTED TO OCCUR, SUCH AS COMMERCIAL AREAS WHERE BUSINESSES HAVE DIRECT FRONTAGE ON THE STREET. WHEN THE ABOVE CRITERIA EXISTS "NO PARKING" SIGNS (R8-3A 12"x18") WITH AN ARROW (SINGLE DIRECTION OR BI-DIRECTIONAL) BELOW THE "P" SYMBOL ON THE SIGN TO DESIGNATE THE DIRECTION OF THE RESTRICTION SHALL BE INSTALLED APPROXIMATELY EVERY 350-400 FEET ALONG THE LENGTH OF THE PROJECT. NO PARKING SIGNS SHALL BE INSTALLED APPROXIMATELY 5 FEET FROM THE BACK OF CURB AT A 45 DEGREE ANGLE TO CURB. STREET LIGHT POLES SHOULD BE USED FOR SIGN MOUNTING WHEN A LIGHT POLE IS WITHIN 50 FEET OF THE PROPOSED SIGN LOCATION.
7. ALL LONGITUDINAL STRIPING (EDGE LINE, LANE LINE, AND CENTERLINE) SHALL BE 0.090" (90 MIL) EXTRUDED THERMOPLASTIC, UNLESS OTHERWISE NOTED ON THE PLANS.
8. ALL TRANSVERSE STRIPING (STOP LINES, CROSSWALK LINES) SHALL BE A MINIMUM OF 0.090" (90 MIL) EXTRUDED THERMOPLASTIC, UNLESS NOTED OTHERWISE ON THE PLANS.
9. ALL PLAN VIEW STRIPING DIMENSIONS ARE MEASURED TO THE CENTER OF THE LINE OR CENTER OF THE DOUBLE LINE.
10. ALL PAVEMENT SYMBOLS, ARROWS AND LEGENDS SHALL BE TYPE 1 PERMANENT, HIGH PERFORMANCE PRE-FORMED PAVEMENT TAPE. (TAPE MUST PERFORM AS 3M 380I-ES SERIES OR EQUIVALENT.)
11. RAISED PAVEMENT MARKERS (RPMS) SHALL BE USED ON ALL STRIPED STREETS. RPMS SHALL BE INSTALLED PER COS STANDARD DETAIL NO. 2132, [WWW.SCOTTSDALEAZ.GOV/DESIGN/COSMAGSUPP](http://WWW.SCOTTSDALEAZ.GOV/DESIGN/COSMAGSUPP), AND ADOT STANDARD DRAWING M-19, WITH A CITY APPROVED BITUMINOUS ADHESIVE.
12. BLUE TYPE F (2-WAY REFLECTIVE) RPMS SHALL BE USED TO INDICATE THE LOCATION OF ALL FIRE HYDRANTS AND REMOTE FIRE DEPARTMENT CONNECTIONS, PER COS STANDARD DETAIL NO. 2363, [WWW.SCOTTSDALEAZ.GOV/DESIGN/COSMAGSUPP](http://WWW.SCOTTSDALEAZ.GOV/DESIGN/COSMAGSUPP).
13. ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY SANDBLASTING, HYDROBLASTING, OR GRINDING PRIOR TO THE INSTALLATION OF NEW PAVEMENT MARKINGS. REMOVALS SHALL BE TO THE SATISFACTION OF THE CITY INSPECTOR. AFTER REMOVAL, ALL AFFECTED AREAS SHALL BE RESEALED WITH AN APPROVED QUICK SETTING EMULSION PRIOR TO THE INSTALLATION OF NEW PAVEMENT MARKINGS.
14. ASTM TYPE IV SHEETING (MINIMUM) SHALL BE USED FOR ALL WARNING AND REGULATORY AND STREET NAME SIGNS. ALL ADVANCE STREET NAME AND METRO SIGNS SHALL BE PROPOSED TYPE XI SHEETING. SCHOOL WARNING SIGNS AND ACCOMPANYING PLACARDS MUST BE ASTM PROPOSED TYPE XI FLUORESCENT YELLOW GREEN SHEETING.
15. THE CONTRACTOR IS RESPONSIBLE FOR LAYOUT OF ALL PAVEMENT MARKINGS USING CONTROL POINTS SPACED NO MORE THAN 50 FEET APART. PAVEMENT MARKING LAYOUT SHALL BE APPROVED BY TRAFFIC ENGINEERING PRIOR TO THE APPLICATION OF THE FINAL PRODUCT. ALL PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS, AND STANDARDS WHEN INSTALLING PAVEMENT STRIPING, MARKING AND MARKERS.

## ENGINEER'S GRADING & DRAINAGE NOTES

1. A GRADING AND DRAINAGE PLAN SHALL BE ON THE JOB SITE AT ALL TIMES. DEVIATIONS FROM THE PLAN MUST BE PRECEDED BY AN APPROVED PLAN REVISION.
2. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS AND RECOMMENDATIONS PROVIDED IN THE PROJECT GEOTECHNICAL INVESTIGATION REPORT #241110SA, BY SPEEDIE AND ASSOCIATES, DATED 09/13/2024.
3. ALL SLOPES SHALL NOT EXCEED 4:1 INCLUDING RETENTION BASIN SIDE SLOPES UNLESS NOTED OTHERWISE ON THE PLANS.
4. ALL DRAINAGE PROTECTIVE DEVICES SUCH AS SWALES, DITCHES, PIPES, BERMS, CHANNELS, OR OTHER MEASURES DESIGNED TO PROTECT FROM STORM RUNOFF MUST BE COMPLETED PRIOR TO ANY STRUCTURE BEING BUILT.
5. THE CONTRACTOR SHALL SUBMIT AN NOI TO ADEQ AND IMPLEMENT A SWMP WITH BMPS THAT MEETS ALL AZPDES REQUIREMENTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL RELATED TO THE PROJECT CONSTRUCTION.
7. ALL FINISH LANDSCAPE GRADES ADJACENT TO SIDEWALK OR CURB AND GUTTER SHALL BE 2" BELOW TOP OF CONCRETE IN ALL LOCATIONS. ALL FINISH LANDSCAPE GRADES ADJACENT TO BUILDINGS SHALL BE 4" BELOW FINISH FLOOR ELEVATION. ALL GRADES WITHIN 10' OF BUILDINGS SHALL SLOPE AWAY FROM BUILDINGS AT A 2% SLOPE UNLESS OTHERWISE NOTED IN THIS PLAN.
8. ALL PEDESTRIAN ACCESSIBLE ROUTES SHALL MEET ALL ADA REQUIREMENTS AND SHALL HAVE A CONSTRUCTED MAXIMUM OF 2% CROSS SLOPE PERPENDICULAR TO THE DIRECTION OF TRAVEL AND A CONSTRUCTED MAXIMUM OF 5% LONGITUDINAL SLOPE IN THE DIRECTION OF TRAVEL.
9. ALL LANDSCAPE IRRIGATION LINES AND APPURTENANCES SHALL BE PROTECTED IN PLACE OR REPLACED IN-KIND TO SAME OR BETTER CONDITION UNLESS OTHERWISE DIRECTED ON THE LANDSCAPE PLANS.
10. ALL UTILITY SURFACE FEATURES INCLUDING BUT NOT LIMITED TO VALVE BOXES, MANHOLES, CLEANOUTS, AND METER/UTILITY BOXES SHALL BE ADJUSTED TO FINISH GRADE.
11. ALL ELEVATIONS ARE TO FINISH GRADE OF MATERIALS (ASPHALT, CONCRETE, RIPRAP, DG, ETC.). CONTRACTOR SHALL OVER EXCAVATE AS REQUIRED TO MEET ELEVATIONS PER PLAN.
12. CONTRACTOR SHALL MATCH TO EXIST GRADE AT ALL LOCATIONS WHERE NEW LANDSCAPE (SIDEWALK, CURB, PAVEMENT, ETC) ABUTS EXIST HARDSCAPE.
13. ALL AREAS SHALL BE COMPACTED TO 95% EXCEPT THE BOTTOM OF RETENTION BASINS.
14. RETENTION BASIN BOTTOMS SHALL BE SCARIFIED 12" DEEP TO FACILITATE SURFACE PERCOLATION.
15. CONTRACTOR SHALL REGISTER ALL DRYWELLS WITH ADEQ.
16. ALL HEADWALLS WITH A GEOMETRIC HEIGHT 30" OR GREATER SHALL BE INSTALLED WITH HANDRAILS PER MAG STD DET 145.

## ENGINEER'S PAVING NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE BARRICADING AND TRAFFIC CONTROL, WHILE THE CONSTRUCTION OF THE NEW IMPROVEMENTS IS ADJACENT TO OR CONNECTING TO ANY EXISTING FACILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY AND FINAL CLEAN-UP OPERATIONS OF ADJACENT, EXISTING PAVED STREETS USED BY CONSTRUCTION TRAFFIC. THIS WORK INCLUDES STREET SWEEPING, POWER BLOWM AND WATER AS NEEDED.
3. CONTRACTOR SHALL SUBMIT ASPHALT MIX DESIGN TO ENGINEER PRIOR TO PLACEMENT.
5. DAMAGED OR CRACKED CONCRETE CURB, GUTTER, VALLEY GUTTER, SIDEWALK, CONCRETE PAVEMENT, OR DRIVEWAY SLABS SHALL BE REPLACED IN-KIND BEFORE FINAL ACCEPTANCE OF THE WORK AT NO ADDITIONAL COST TO THE OWNER.
6. ALL PAVEMENT AREAS ARE REQUIRED TO DRAIN WITHOUT PONDING. CORRECTION OF CONCRETE AND ASPHALT GRADE DEFICIENCIES:
  - A. INVERSE FLOWS IN CONCRETE CURB AND GUTTER AND VALLEY GUTTER APRONS: TO BE REPLACED. NO GRINDING ALLOWED.
  - B. INCORRECT ELEVATIONS WITH CORRECT FLOW DIRECTION: FLAT GRINDING MAY BE ALLOWED, BUT NO SLOT GRINDING.
  - C. LOW SPOTS IN ASPHALT: TACK AND SKIN PATCH WITH CEMENT BASED AC, 1/2" MIX. SLURRY SEAL MAY BE REQUIRED AT THE DIRECTION OF THE ENGINEER.
  - D. HIGH SPOTS IN ASPHALT: GRINDING OR MILLING, 3/4" MINIMUM WITH TACK AND AC PATCH, CEMENT BASED. SLURRY SEAL MAY BE REQUIRED.
  - E. RE-HEATING OR "BURNING" OF ASPHALT NOT ALLOWED.
  - F. ASPHALT REPLACEMENT: SAWCUT AND REMOVE WITH LIKE REPLACEMENT OF AC MIX MATCHING EXST. THICKNESS. RECOMPACTION OF ABC SUBGRADE REQUIRED. SLURRY SEAL MAY BE REQUIRED. TACK REQUIRED.
  - G. CURB & GUTTER, VALLEY GUTTER, SIDEWALK & PCCP CRACKS: TO BE REMOVED AND REPLACED TO THE NEAREST JOINT.
  - H. ASPHALT GAPS AND SEAMS: SLURRY SEAL OR MICRO SEAL. MILLING AND AC PATCH MAY BE REQUIRED AT THE DIRECTION OF THE ENGINEER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE FOR REVIEW A JOINT LAYOUT FOR PORTLAND CEMENT CONCRETE PAVEMENT CONFORMING TO THE RECOMMENDATIONS IN ACI 223 224.3R. CONTRACTION JOINT/CONTROL JOINT SPACING SHALL NOT EXCEED 2.5 FEET X THE SLAB THICKNESS IN INCHES OR 15 FEET, WHICHEVER IS LESS. JOINTS SHALL CONFORM TO MAG STANDARDS AND SPECIFICATIONS. EXPANSION JOINTS SHALL INCLUDE EXPANSION JOINT FILLER PER MAG SPECIFICATION SECTION 729.

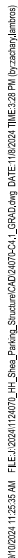
## ABBREVIATIONS

ABC	AGGREGATE BASE COURSE	IRR	IRRIGATION
AC	ASPHALT CONCRETE	LF	LINEAR FEET
ACP	ASBESTOS CEMENT PIPE	MAG	MARICOPA ASSOCIATION OF GOVERNMENTS
B/C	BACK OF CURB	ME	MATCH EXISTING
BC	BRASS CAP	M	MONUMENT LINE
BCF	BRASS CAP FLUSH	MOD	MODIFIED
BCHH	BRASS CAP IN HANDHOLE	NTS	NOT TO SCALE
BLDG	BUILDING	OC	ON CENTER
BM	BENCHMARK	OHE	OVERHEAD ELECTRIC
BOT	BOTTOM	P	PAVEMENT ELEVATION
C	CONCRETE ELEVATION	PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
CATV	CABLE TELEVISION	R	PROPERTY LINE
C	CENTERLINE	PUE	PUBLIC UTILITY EASEMENT
CMP	CORRUGATED METAL PIPE	PVC	POLY VINYL CHLORIDE
COMM	COMMUNICATION	PVMT	PAVEMENT
CONC	CONCRETE	R	RADIUS
CONST	CONSTRUCTION	R/W	RIGHT-OF-WAY
DBNK	DUCT BANK	RCP	REINFORCED CONCRETE PIPE
DET	DETAIL	S	SLOPE, SEWER
DIP	DUCTILE IRON PIPE	SD	STORM DRAIN
E/P	EDGE OF PAVEMENT	SEC	SECTION
EL	ELEVATION	SF	SQUARE FOOT
ESMT	EASEMENT	SPEC	SPECIFICATIONS
EXST	EXISTING	STA	STATION
F/C	FACE OF CURB	STD	STANDARD
FF	FINISH FLOOR ELEVATION	STL	STEEL
FG	FINISH GRADE ELEVATION	SY	SQUARE YARD
F	FIRE LINE	TC	TOP OF CURB
FL	FLOWLINE	TCL	TEMPORARY CONSTRUCTION EASEMENT
FND	FOUND	TEL	TELEPHONE
FO	FIBER OPTIC	TFP	TYPICAL
FT	FOOT OR FEET	UNK	UNKNOWN
G	GUTTER ELEVATION, GAS	VCP	VITRIFIED CLAY PIPE
GB	GRADE BREAK	W	WATER
GR	GRATE ELEVATION	W/	WITH
HDPE	HIGH DENSITY POLYETHYLENE	WM	WATER METER
INV	INVERT	WSE	WATER SURFACE ELEVATION

## LEGEND

<u>EXIST</u>		<u>NEW</u>	
	BENCHMARK		BACKFLOW PREVENTER
	BRASS CAP FLUSH		DRAIN BASIN/CATCH BASIN
	BRASS CAP IN HANDHOLE		DRYWELL
	BACKFLOW PREVENTER		FIRE HYDRANT
	DRYWELL		FIRE DEPT CONNECTION
	FIRE HYDRANT		GATE/DOOR
	FIRE DEPT CONNECTION		HEADWALL
	GRATE		MANHOLE (TYPE NOTED)
	GUY WIRE		METER (TYPE NOTED)
	HEADWALL		PIPE PLUG
	MANHOLE (TYPE NOTED)		RIPRAP
	METER (TYPE NOTED)		SIGN
	PULLBOX (TYPE NOTED)		STREET LIGHT
	RIPRAP		VALVE
	SIGN		CENTERLINE
	STREET LIGHT		EASEMENT
	TREE		LIMITS OF CONSTRUCTION
	UTILITY POLE		RIGHT-OF-WAY
	VALVE (TYPE NOTED)		FENCE CHAINLINK
	EASEMENT		MASONRY WALL
	PROPERTY LINE		MAJOR CONTOUR
	RIGHT-OF-WAY		MINOR CONTOUR
	FENCE CHAINLINK		STORM DRAIN
	MASONRY WALL/RETAINING WALL		UTILITY LINE (TYPE NOTED)
	MAJOR CONTOUR		
	MINOR CONTOUR		
	UTILITY LINE (TYPE NOTED)		





6

3

D

C

**R**

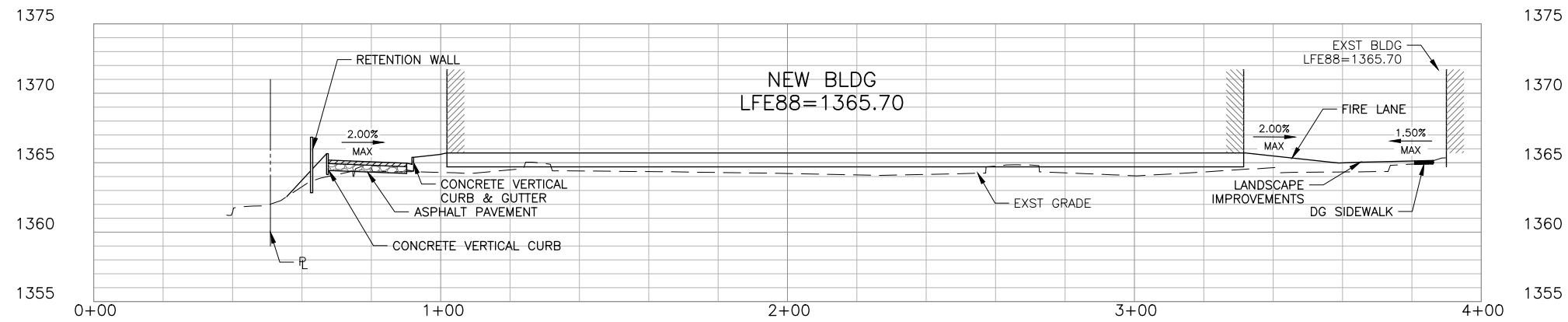
A

Job #	008229
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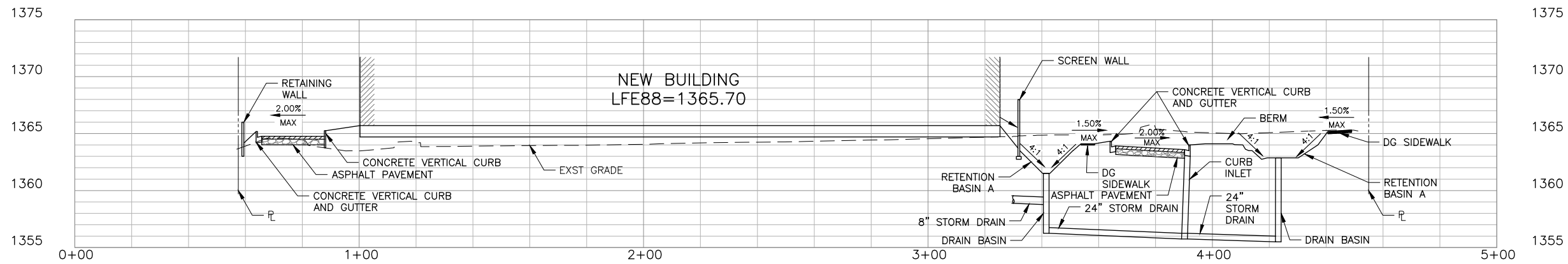
CASE NO : 600-PA-2024 DEAN CHECK NO :



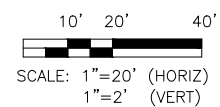




CROSS SECTION A  
0+00 TO 4+00



CROSS SECTION B  
0+00 TO 5+00



**Lamar Johnson Collaborative** 



NOT FOR  
CONSTRUCTION

Adrian Lopez

HONORHEALTH SHEA GARAGE

9003 E. Shea Blvd. Scottsdale, AZ 85260  
Development Review

DRAWING ISSUE		
#	DESCRIPTION	DATE
	SCHEMATIC DESIGN	06/21/24
	DESIGN DEVELOPMENT	08/23/24

	BUILDING MAP

DRAWING TITLE  
CROSS SECTIONS

DRAWING NO.

C7.1

Job #	008229
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