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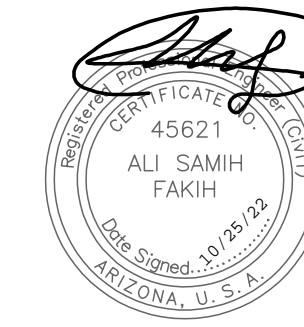
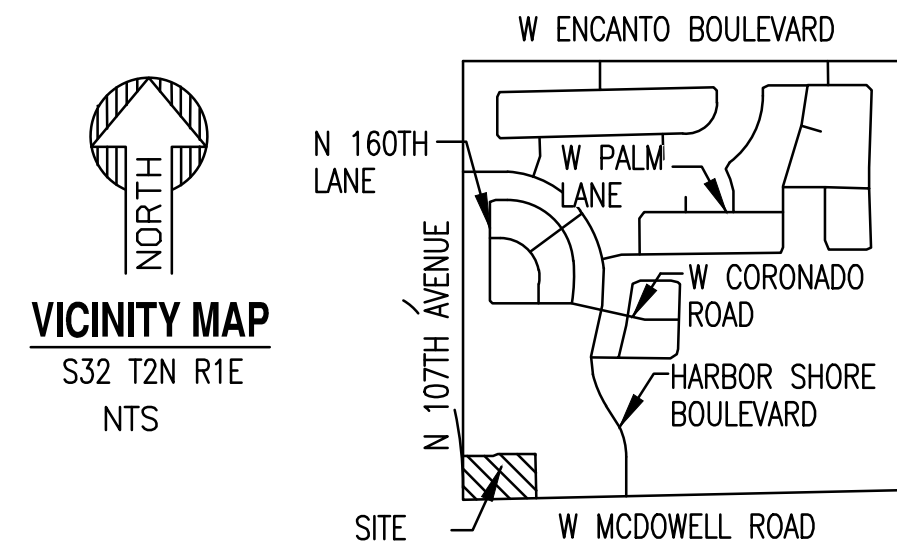
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WHATABURGER AVONDALE

UTILITY PLAN

NEC MCDOWELL RD & 107TH AVE, AVONDALE, ARIZONA.
A PORTION OF THE SOUTHWEST QUARTER OF SECTION 32, TOWNSHIP 2 NORTH, RANGE 1 EAST,
OF GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA



SUSTAINABILITY
ENGINEERING
GROUP

SEG



Desert De Oro Foods
INC



PROJECT
WHATABURGER AVONDALE

LOCATION
NEC N. 107TH AVE AND
W. MCDOWELL ROAD

DRAWN: DS 10/21/2022
DESIGNED: LR/DS 10/21/2022
QC: SC 10/21/2022
FINAL QC: LA 10/25/2022
PROJ. MGR.: AF 10/25/2022

DATE: 10/25/2022

ISSUED FOR:

PERMITS

REVISION NO.	DATE
1	
2	
3	
4	

JOB NO.: 201015

SHEET TITLE:

UTILITY PLAN

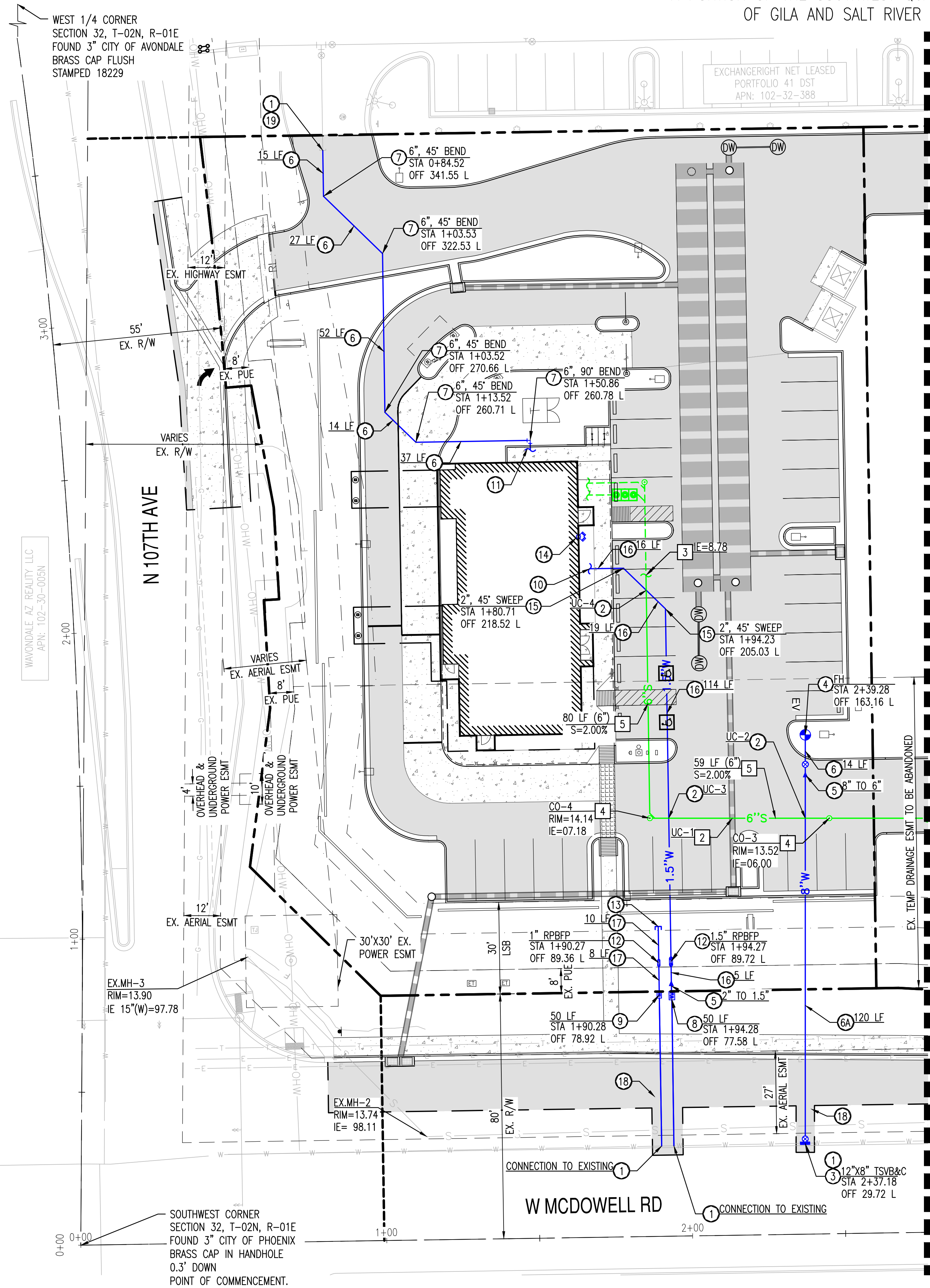
PAGE NO.:

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15 OF 18

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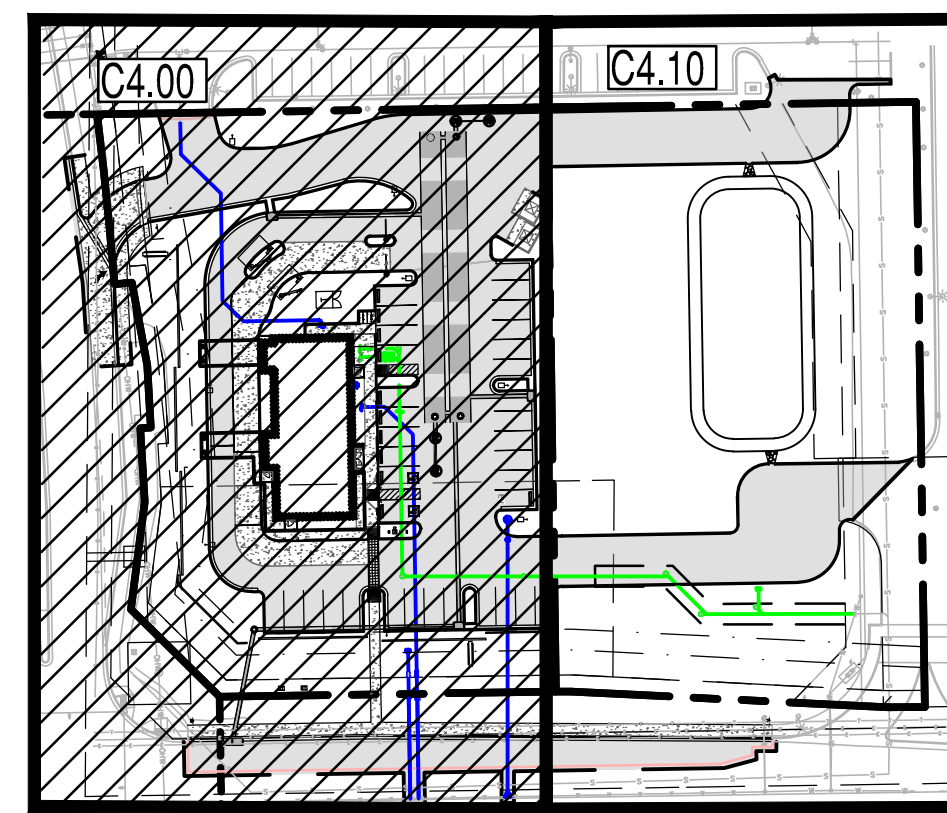


BENCHMARK

THE BENCHMARK USED FOR THIS SURVEY IS THE MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION POINT 23105-1, UNIQUE POINT ID 3629 BEING THE SOUTH QUARTER CORNER OF SECTION 32, MARKED BY A 3" CITY OF PHOENIX BRASS CAP IN HANDHOLE 0.4' DOWN, LOCATED IN THE INTERSECTION OF 103RD AVENUE AND MCDOWELL ROAD, HAVING AN ELEVATION OF 1019.593 FEET, (NAVD 88).

BASIS OF BEARING

THE BASIS OF BEARING IS THE MONUMENT LINE OF MCDOWELL ROAD, ALSO BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 32, USING A BEARING OF SOUTH 89 DEGREES 53 MINUTES 26 SECONDS EAST, PER THE PLAT OF BIOLIFE AVONDALE, RECORDED IN BOOK 1504 OF MAPS, PAGE 50, RECORDS OF MARICOPA COUNTY, ARIZONA.



SEWER CONSTRUCTION KEY NOTES

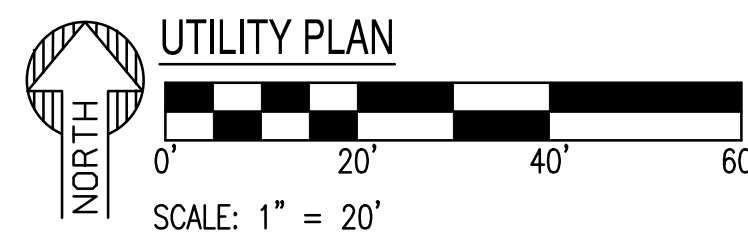
- CONTRACTOR SHALL VERIFY ALL INVERTS AND CLEARANCE OF CROSSING UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- REFER TO BUILDING PLUMBING PLANS FOR CONTINUATION.
- FURNISH AND INSTALL SEWER CLEAN-OUT PER MAG STD. DET. 441.
- FURNISH AND INSTALL 6" PVC SDR-35 SEWER LINE. LENGTH AND SLOPE PER PLAN. MAINTAIN 4" MINIMUM COVER.

WATER CONSTRUCTION KEY NOTES

- CONTRACTOR TO VERIFY MATERIAL, SIZE AND LOCATION OF EXISTING WATER LINE PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY ALL INVERTS AND CLEARANCE OF CROSSING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. REFER TO MAG STD. DET. 404-1 & 404-2 FOR MINIMUM WATER AND SANITARY SEWER SEPARATION.
- FURNISH AND INSTALL TAPPING SLEEVE, VALVE, BOX & COVER PER MAG STD. DET. 340 AND 391-1 TYPE "A". SIZE PER PLAN.
- FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY (COMPLETE WITH GATE VALVE, BOX & COVER) PER MAG STD. DET. 360 AND 362.
- FURNISH AND INSTALL REDUCER. SIZE PER PLAN.
- FURNISH AND INSTALL 6" DUCTILE IRON PIPE, CLASS 350, CEMENT MORTAR LINED, WITH POLYETHYLENE WRAPPING. PROVIDE BLUE POLYETHYLENE LOCATING TAPE ABOVE ALL PUBLIC WATER LINES. MAINTAIN 3" MINIMUM COVER. LENGTH PER PLAN.
- FURNISH AND INSTALL 8" DUCTILE IRON PIPE, CLASS 350, CEMENT MORTAR LINED, WITH POLYETHYLENE WRAPPING. PROVIDE BLUE POLYETHYLENE LOCATING TAPE ABOVE ALL PUBLIC WATER LINES. MAINTAIN 3" MINIMUM COVER. LENGTH PER PLAN.
- INSTALL FITTING WITH RESTRAINED JOINTS PER MAG 303. OR THRUST BLOCK PER MAG STD. DET. 303 & 380. SIZE AND ANGLE PER PLAN.
- FURNISH AND INSTALL 2" TYPE "K" COPPER DOMESTIC SERVICE CONNECTION LENGTH PER PLAN. INSTALL 2" METER BOX PER MAG STD. DET. 320 AND 315 (METER TO BE INSTALLED BY CITY FORCES).
- FURNISH AND INSTALL 1" TYPE "K" COPPER IRRIGATION SERVICE CONNECTION; LENGTH PER PLAN. INSTALL 1" METER BOX PER MAG STD. DET. 320 AND 315 (METER TO BE INSTALLED BY CITY FORCES).
- DOMESTIC CONNECTION TO BUILDING, REFER TO MEP PLAN FOR CONTINUATION.
- FIRE CONNECTION TO BUILDING, REFER TO PLAN FOR CONTINUATION.
- FURNISH AND INSTALL REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBFP), SIZE TO MATCH WATER METER SIZE.
- IRRIGATION CONNECTION. REFER TO LANDSCAPE PLANS FOR CONTINUATION.
- FDC LOCATION, FOR REFERENCE ONLY.
- FURNISH AND INSTALL TYPE "K" COPPER SWEEP, SIZE TO MATCH WATER LINE.
- FURNISH AND INSTALL 1.5" TYPE "K" COPPER DOMESTIC WATER LINE.
- FURNISH AND INSTALL 1" TYPE "K" COPPER IRRIGATION WATER LINE.
- SAWCUT EXISTING PAVEMENT TO PROVIDE STRAIGHT VERTICAL EDGES, FREE FROM IRREGULARITIES. REPLACE EXISTING PAVEMENT PER MAG STD. DET. 200-1 & 200-2.
- REMOVE PLUG AND CONNECT TO EXISTING 6" STUB.

UTILITY CROSSINGS

UC-1	18" STORM BOT	8.38	NO EXTRA PROTECTION REQUIRED
	6" SEWER TOP	6.30	
UC-2	6" WATER BOT	9.42	NO EXTRA PROTECTION REQUIRED
	6" SEWER TOP	6.22	
UC-3	1.5" WATER BOT	10.98	NO EXTRA PROTECTION REQUIRED
	6" SEWER TOP	6.71	
UC-4	1.5" WATER BOT	11.53	NO EXTRA PROTECTION REQUIRED
	6" SEWER TOP	8.32	



EXISTING LEGEND:

CENTERLINE	EX. S	SEWER LINE	STORM DRAIN LINE	SIGN
EASEMENT LINE AS NOTED	EX. W	SEWER MANHOLE	STORM CATCH BASIN	STREET LIGHT
CHAINLINK FENCE	WV	WATER LINE	STORM MANHOLE	FIBER OPTIC LINE
TREE		WATER VALVE	GAS LINE	
		FIRE HYDRANT	IRRIGATION LINE	

PROPOSED UTILITY LEGEND:

PROPERTY LINE	FIRE HYDRANT	T.S.V.B.&C	BUILDING CONNECTION
EASEMENT LINE	FDC	BACK FLOW PREVENTER	SEWER MANHOLE
8" W	WATER METER	REDUCER	SEWER CLEAN OUT
8" S	GATE VALVE	CAP	