

PRELIMINARY DOMESTIC WATER NOTES

- ① PROPOSED 8"x12" TEE AND VALVE.
- ② PROPOSED 8" BACKFLOW PREVENTER.
- ③ PROPOSED 8" POLYWRAPPED CLASS 350 DIP WATERLINE.
- ④ PROPOSED 6" DOMESTIC WATER METER WITH 8"x6" REDUCERS MINIMUM 3' TO EITHER SIDE OF METER.
- ⑤ PROPOSED CONNECTION TO GARAGE.
- ⑥ PROPOSED 8" POLYWRAPPED CLASS 350 DIP WATERLINE.
- ⑦ PROPOSED 8" WATER LOOP.
- ⑧ PROPOSED DOMESTIC PUMP.
- ⑨ PROPOSED 2"x12" TEE AND VALVE.
- ⑩ PROPOSED 2" WATER METER.
- ⑪ PROPOSED 2" SCH 40 PVC WATER LINE.
- ⑫ PROPOSED 2" BACKFLOW PREVENTER
- ⑬ PROPOSED COMMERCIAL BUILDING CONNECTION.
- ⑭ PROPOSED 4"x4" TEE CONNECTION.
- ⑮ PROPOSED 4" WATER METER.
- ⑯ PROPOSED 4" SCH 40 PVC WATER LINE.
- ⑰ PROPOSED 4" BACKFLOW PREVENTER

PRELIMINARY FIRELINE NOTES

- ① PROPOSED 12"x12" TEE AND VALVE PER COS STD DET 2362-2.
- ② PROPOSED 12" BACKFLOW PREVENTOR.
- ③ PROPOSED 12" POLYWRAPPED CLASS 350 DIP FIRE LINE.
- ④ PROPOSED GARAGE CONNECTION.
- ⑤ PROPOSED BUILDING MOUNTED FDC.
- ⑥ PROPOSED FIRE HYDRANT RELOCATION.
- ⑦ PROPOSED FIRE HYDRANT.
- ⑧ PROPOSED 12" POLYWRAPPED CLASS 350 FIRE LOOP, REF FIRE LIFE SAFETY PLANS FOR DETAILS.
- ⑨ PROPOSED 16"x6" TAPPING SLEEVE AND VALVE PER COS STD. DET. 2362-2.
- ⑩ PROPOSED 6" POLYWRAPPED CLASS 350 DIP FIRE LINE.

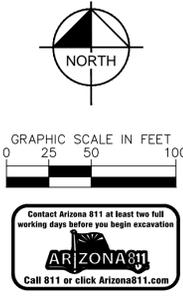
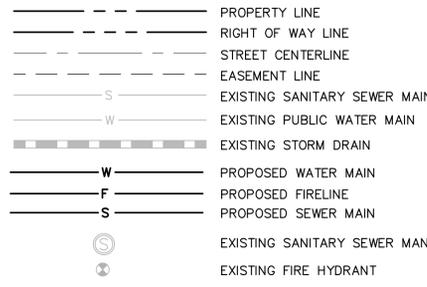
PRELIMINARY SEWER NOTES

- ① PROPOSED 12" PVC SEWER MAIN, LENGTH PER PLAN.
- ② PROPOSED PUBLIC MANHOLE, INVERT PER PLAN.
- ③ PROPOSED 8" PVC SEWER SERVICE, LENGTH PER PLAN.
- ④ PROPOSED BUILDING CONNECTION.
- ⑤ SEWER/STORM DRAIN CROSSING.
- ⑥ SEWER/WATER MAIN CROSSING PER COS STD DET 2401.
- ⑦ SEWER/FIRE MAIN CROSSING PER COS STD DET 2401.
- ⑧ PROPOSED 8" SEWER WYE AND CLEANOUT, INVERT PER PLAN
- ⑨ PROPOSED GREASE INTERCEPTOR.
- ⑩ PROPOSED PRIVATE MANHOLE, INVERT PER PLAN.

UTILITY NOTES

1. REFER TO CITY STANDARD AND DETAILS FOR TRENCHING, BEDDING, AND BACKFILL, AND TRENCH COMPACTION REQUIREMENTS.
2. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
3. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
4. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
PRIVATE: PVC SDR 35 PER ASTM D 3034
5. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE CITY OF SCOTTSDALE WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER LINE AND WITH COS AND MAG REQUIREMENTS FOR UTILITY CROSSINGS.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEFLECT ELECTRIC, GAS CABLE, AND TELEPHONE CONDUIT AND PIPING AS REQUIRED TO AVOID UTILITY CONFLICTS.
7. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
8. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY PERMITS, INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CITY CODES AND/OR UTILITY SERVICE COMPANIES.
9. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS IN REGARDS TO TAPS, HYDRANTS, VALVES, ETC.
10. CONTRACTOR IS RESPONSIBLE FOR PAVEMENT REPLACEMENT REQUIRED FOR ALL UTILITY INSTALLATIONS PER CITY OF SCOTTSDALE STANDARDS.
11. WATER TIGHT CONNECTION SHALL BE MADE USING A RESILIENT CONNECTOR "SEAL BOOT" PER ASTM C-923.
12. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4 FEET COVER ON ALL WATER LINES.
13. ALL SANITARY SEWER AND WATER WORK DESIGNATED AS "PRIVATE" IN THIS SET OF PLANS SHALL BE INSTALLED BY A LICENSED PLUMBER.
14. BACKFLOW PREVENTER AND VAULT FOR THE IRRIGATION TO BE PROVIDED BY THE GC.
15. INSPECTION OF THE WATER PIPING CONNECTING THE METER TO THE BACKFLOW PREVENTER SHALL BE CONDUCTED BY A CITY BACKFLOW PREVENTION SPECIALIST PRIOR TO CLSM AND BACKFILL. DSPM 6-1.417.

LEGEND



BCB GROUP INVESTMENTS LLC
APN 215-07-244 DOC. NO.
2012-11046446, M.C.R.

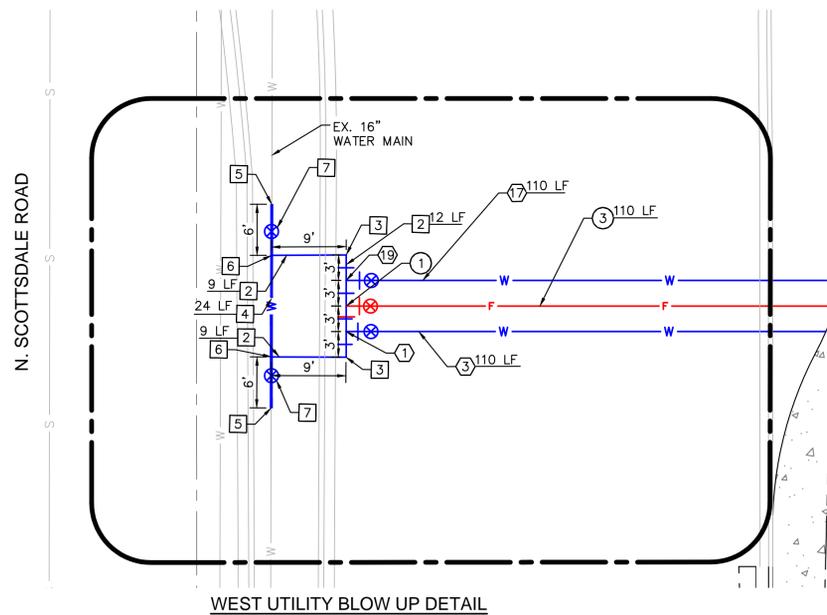
Kimley»Horn

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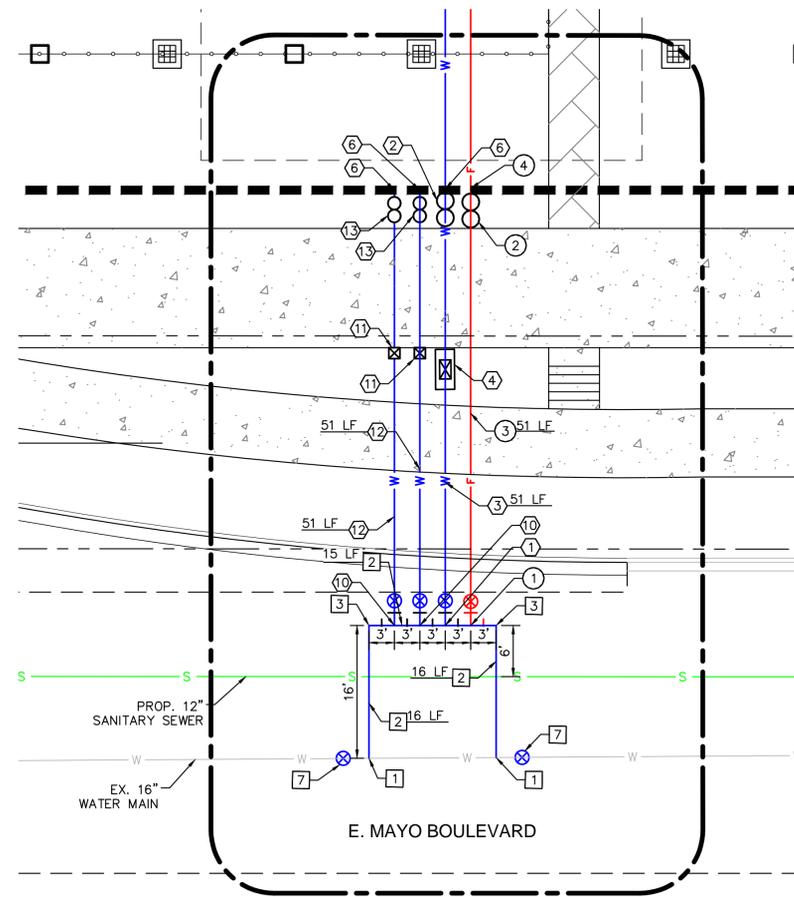
DESIGNED BY: DJH
DRAWN BY: DJH
CHECKED BY: MLD
DATE: SEP. 2022

PROJECT NO. 191007011
DRAWING NAME UT1

1 OF 2



WEST UTILITY BLOW UP DETAIL



SOUTH UTILITY BLOW UP DETAIL

LEGEND

- PROPERTY LINE
- - - RIGHT OF WAY LINE
- STREET CENTERLINE
- - - EASEMENT LINE
- S --- EXISTING SANITARY SEWER MAIN
- W --- EXISTING PUBLIC WATER MAIN
- PROPOSED STORM DRAIN
- W --- PROPOSED WATER MAIN
- F --- PROPOSED FIRELINE
- S --- PROPOSED SEWER MAIN
- ⊙ --- EXISTING SANITARY SEWER MANHOLE
- ⊙ --- EXISTING FIRE HYDRANT
- ⊙ --- PROPOSED SANITARY SEWER MANHOLE
- ⊙ --- PROPOSED FIRE HYDRANT

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- ④ PROPOSED GARAGE CONNECTION.

PRELIMINARY WATER MAIN

- ① PROPOSED 16"x12" TAPPING SLEEVE AND VALVE PER COS 2362-2*.
- ② PROPOSED 12" POLYWRAPPED DIP WATER MAIN.
- ③ PROPOSED 12" DIP 90° BEND.
- ④ PROPOSED 16" POLYWRAPPED DIP WATER MAIN.
- ⑤ PROPOSED CONNECTION TO EXISTING 16" MAIN.
- ⑥ PROPOSED 16"x12" TEE AND VALVE PER COS 2362-2.
- ⑦ PROPOSED 16" VALVE.

*NOTE:
IF EXISTING 16" WATER MAIN IS ACP, REPLACE MINIMUM 3' SECTION OF PIPE WITH NO LESS THAN 6' REMAINING TO NEAREST JOINT. THE REMOVED PIPE SHALL BE REPLACED WITH DIP. RECOMMENDED TO REPLACE ENTIRE SEGMENT BETWEEN LINES WITH DIP AND FITTING UP TO 6' PAST THE NEAREST JOINT ON EACH SIDE.

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NORTH

GRAPHIC SCALE IN FEET
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ARIZONA811
Call 811 or click Arizona811.com

Q.S.#: 39-45

<h1 style="margin: 0;">Kimley»Horn</h1> <p style="font-size: 8px; margin: 0;">© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 7740 North 16th Street, Suite 300 Phoenix, Arizona 85020 (602) 944-5500</p>	
<p style="font-size: 8px; margin: 0;">SCALE (H): 1"=10' SCALE (V): NONE DESIGNED BY: DJH DRAWN BY: DJH CHECKED BY: MLD DATE: SEP 2022</p>	<p style="font-size: 8px; margin: 0;">NO. REVISION BY DATE APPR.</p>
<p style="margin: 0;">OPTIMA MCDOWELL MOUNTAIN VILLAGE PRELIMINARY UTILITY PLAN SCOTTSDALE, ARIZONA 85255</p>	
<p style="font-size: 8px; margin: 0;">PRELIMINARY NOT FOR CONSTRUCTION PURPOSES Kimley»Horn NUMBER USE DELIMITER PE NO. 30885 DATE 09/22/22</p>	
<p style="font-size: 8px; margin: 0;">PROJECT NO. 191007011 DRAWING NAME UT2 2 OF 2</p>	