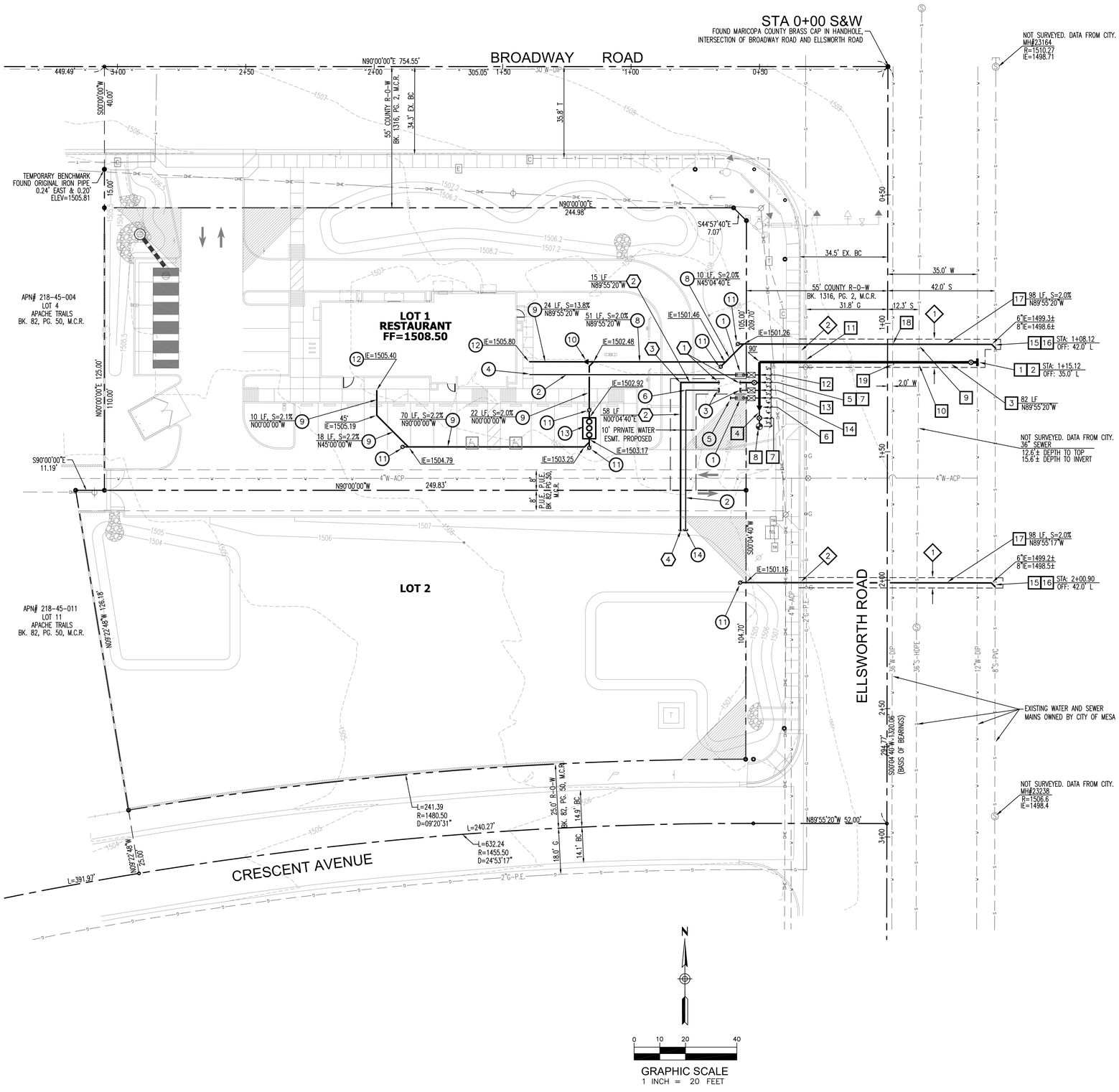

GENERAL NOTES

1. SEE SHEET C3 FOR DEMOLITION NOTES OF WATER AND SEWER FACILITIES, AND DRY UTILITY RELOCATIONS.

PUBLIC WATER AND SEWER NOTES - MESA

A. PUBLIC WATER MAIN: CONSTRUCT THRUSTBLOCKS AT ALL BENDS, FITTINGS, TEES, ETC PER M.A.G. STD. DTL. 301, 340, 380, AND 381 OR USE RESTRAINED JOINTS PER M.A.G. STD. DTL. 303.

B. PROVIDE TRACER WIRE/TAPE ON ALL WATER AND FIRE PIPELINES.

1. CONTRACTOR TO VERIFY EXACT SIZE, DEPTH AND LOCATION OF EXISTING 12" WATER MAIN PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. INSTALL 8"X12" T.S.V.B.&C PER M.A.G. STD. DTL. 340 AND 391-1 TYPE A.
3. INSTALL 8" D.I.P. WATER MAIN CL. 350 CEMENT LINED PER M.A.G. SEC. 750, POLYWRAPPPED PER M.A.G. SEC. 610.5. TRENCHING AND BACKFILL PER M.A.G. SEC. 601. PIPE COVER 36" MIN.
4. INSTALL 6" D.I.P. WATER MAIN CL. 350 CEMENT LINED PER M.A.G. SEC. 750, POLYWRAPPPED PER M.A.G. SEC. 610.5. TRENCHING AND BACKFILL PER M.A.G. SEC. 601. PIPE COVER 36" MIN.
5. INSTALL 8"X6" TEE.
6. INSTALL 8"X6" REDUCER.
7. INSTALL 6" VALVE PER M.A.G. STD. DTL. 391-1 TYPE B.
8. INSTALL FIRE HYDRANT PER M.A.G STD. DTL. 360.
9. CAUTION: EXISTING SEWER CROSSING. NEW 6" SEWERLINE SHALL BE 12" MIN. ABOVE 36" SEWER PIPE.
10. CAUTION: EXISTING SEWER CROSSING. NEW 6" WATER SHALL BE 24" MIN. ABOVE TOP OF 36" SEWER PIPE PER M.A.G. STD. DTL. 404.
11. CAUTION: EXISTING GAS AND PHONE CROSSING. WATER SHALL BE CROSS OVER OR UNDER WITH 12" MIN. CLEARANCE.
12. BUILDING FOR JACK IN THE BOX: INSTALL 2" WATER SERVICE AND METER PER C.O.M. STD. DTL. M-49.01 THROUGH M-49.02 AND M-29.
13. FUTURE BUILDING: INSTALL 2" WATER SERVICE AND EMPTY METER BOX PER C.O.M. STD. DTL. M-49.01 THROUGH M-49.02. EXACT METER SIZE TO BE DETERMINED AND INSTALLED WHEN LOT 2 DEVELOPS.
14. LANDSCAPE: INSTALL 3/4" WATER SERVICE AND METER PER C.O.M. STD. DTL. M-49.01 THROUGH M-49.02.
15. CONTRACTOR TO VERIFY EXACT SIZE, DEPTH AND LOCATION OF EXISTING 8" SEWER MAIN PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
16. INSTALL 6" SEWER BUILDING CONNECTION PER M.A.G. STD. DTL. 440-1.
17. INSTALL 6" PVC SDR-35 SANITARY SEWER PIPE.
18. CAUTION: EXISTING WATER CROSSING. NEW 6" SEWERLINE SHALL BE 24" MIN. BELOW 36" WATER PIPE PER M.A.G. STD. DTL. 404.
19. CAUTION: EXISTING WATER CROSSING. NEW 6" WATER SHALL BE 12" MIN. ABOVE 36" WATER PIPE.

PRIVATE WATER AND SEWER NOTES - COUNTY

A. PRIVATE WATER AND PRIVATE SEWER CONSTRUCTION SHALL COMPLY WITH INTERNATIONAL PLUMBING CODE.

B. PROVIDE TRACER WIRE/TAPE ON ALL WATER AND FIRE PIPELINES.

1. INSTALL REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY C.O.M. STD. DTL. M-31.03. SIZE TO MATCH METER. INSTALL PROTECTIVE CAGE PER DETAIL 9 ON SHEET C7.
2. INSTALL 2" PVC SCHEDULE 80 WATERLINE, 30" COVER.
3. CAP WATER PIPE. FUTURE BACKFLOW PREVENTER LOCATION.
4. EXTEND WATERLINE TO 5-FEET FROM BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.
5. SEE LANDSCAPE PLANS FOR CONTINUATION.
6. INSTALL 90° BEND.
7. INSTALL 45° BEND.
8. INSTALL 6" PVC SDR-35 SANITARY SEWER PIPE.
9. INSTALL 4" PVC SDR-35 SANITARY SEWER PIPE.
10. INSTALL 6"X4" REDUCER.
11. INSTALL SEWER CLEANOUT PER M.A.G. STD. DTL. 441 AND I.P.C. 708.2. 8.
12. EXTEND SEWERLINE TO 5-FEET FROM BUILDING. INSTALL BACKWATER VALVE PER I.P.C. 715 AND INSTALL 2-WAY CLEANOUT. SEE PLUMBING PLANS FOR CONTINUATION.
13. INSTALL GREASE INTERCEPTOR PER PLUMBING PLANS.
14. EXTEND WATERLINE TO 5' PAST PAVEMENT. CAP FOR FUTURE USE.

PRIVATE FIRELINE NOTES - RURAL/METRO

A. ONSITE FIRELINE CONSTRUCTION SHALL COMPLY WITH INTERNATIONAL FIRE CODE AND N.F.P.A. 24.

B. ONSITE FIRELINE: CONSTRUCT THRUSTBLOCKS OR RESTRAINED JOINTS AT ALL BENDS, FITTINGS, TEES, ETC. PER N.F.P.A. 24 SEC. 10.8.

C. PRIOR TO CONSTRUCTION, CONTRACTOR TO VERIFY FIRELINE SIZE REQUIREMENTS ON THE BUILDING FIRE SPRINKLER PLANS WHICH ARE NOT AVAILABLE AT THE TIME THAT THESE FIRELINE PLANS WERE DONE. ADJUST PIPE SIZE AS NEEDED TO MATCH SPRINKLER PLANS.

D. PROVIDE TRACER WIRE/TAPE ON ALL WATER AND FIRE PIPELINES.

1. CAP FIRELINE STUB AT BOTH ENDS. FUTURE DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY LOCATION PER C.O.M. STD. DTL. M-31.02.
2. INSTALL PRIVATE FIRELINE 6" PVC C-900. PIPE COVER 36" MIN PER C.O.M. STD. DTL. M-31.07.
3. INSTALL 90° BEND.
4. EXTEND FIRELINE TO 5' PAST PAVEMENT. CAP FOR FUTURE USE.

PAVING NOTES - M.C.D.O.T.

1. SAWCUT, REMOVE AND REPLACE PAVEMENT PER M.A.G. STD. DTL. 200-1 TYPE B.
2. SAWCUT, REMOVE AND REPLACE CURB AND GUTTER PER M.A.G. STD. DTL. 220-1 TYPE A.

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Registered Professional Engineer (Civil) CERTIFICATE NO. 36680 JOHN A. SHINSKE, JR. Date Signed 8/15/17 ARIZONA U.S.A.

EXPIRES 9/30/2019

EAST MESA CROSSROADS

9147 E. BROADWAY ROAD
MESA, ARIZONA (MARICOPA COUNTY)

SCALE: 1"=20'
DATE: 8/15/7
REVISIONS:
1
2
3

PROJECT NO.: 1611

UTILITY PLAN

SHEET: 6 OF 9

C6

CASE #72016078