

### KEYED NOTES

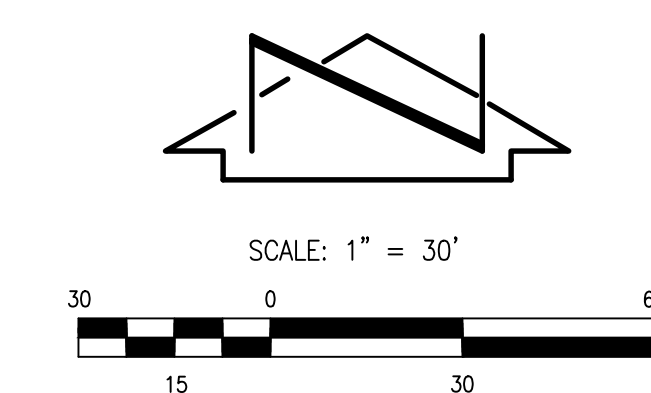
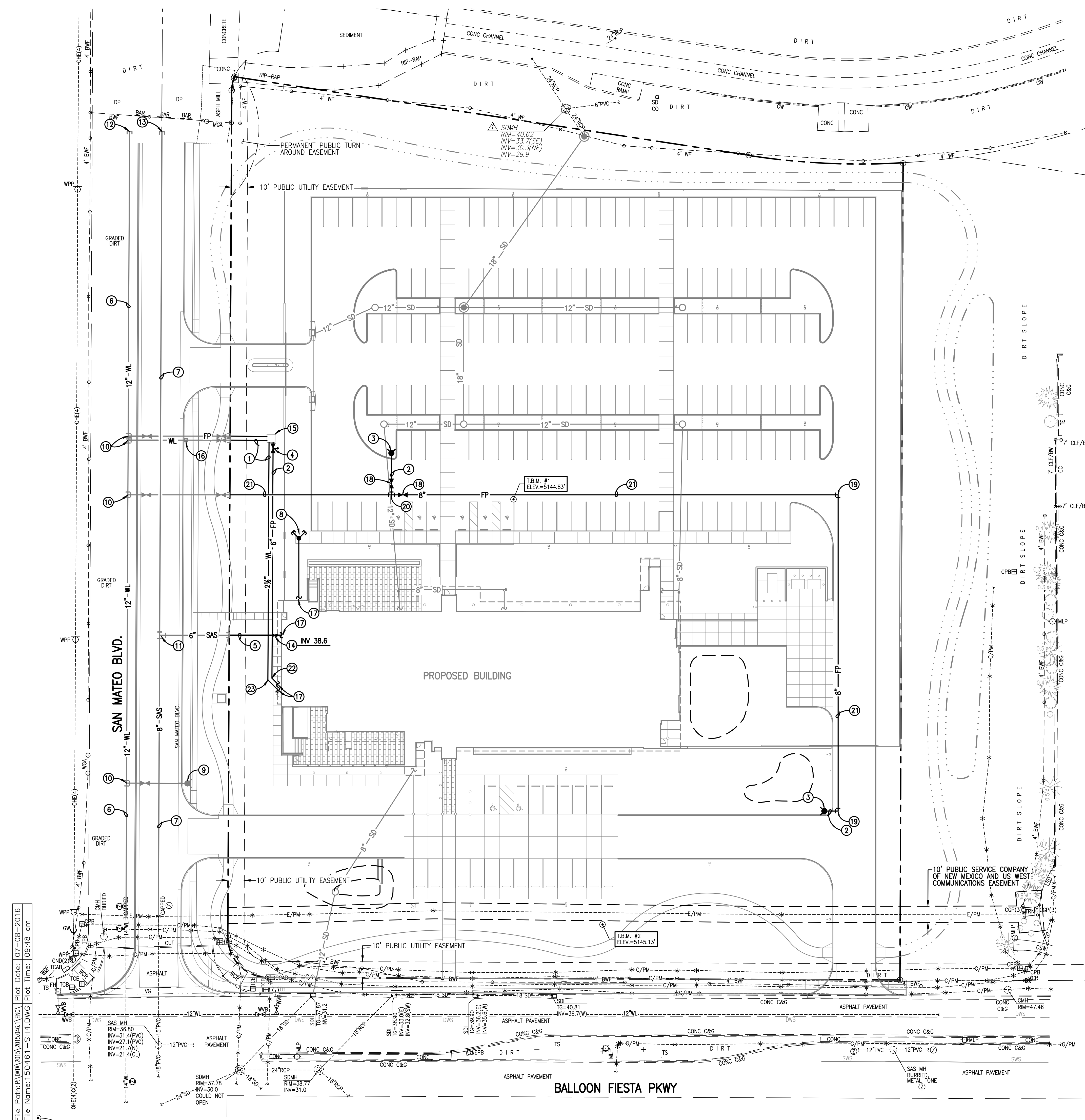
- ② PUBLIC UTILITIES BASED UPON RECORD DRAWINGS PREPARED BY DMG CONSULTING ENGINEERS, CITY PROJECT NO. 5202.90, DATED 01-1997.
- ① INSTALL NEW 2 1/2" DOMESTIC WATER LINE WITH TRACER WIRE
- ② INSTALL NEW 6" FIRE PROTECTION LINE WITH TRACER WIRE
- ③ INSTALL NEW PRIVATE FIRE HYDRANT
- ④ INSTALL NEW PIV
- ⑤ INSTALL NEW 6" PVC SEWER LINE
- ⑥ PROPOSED 12" PUBLIC WATER LINE BY SEPARATE PERMIT (WORK ORDER)
- ⑦ PROPOSED 8" PUBLIC SANITARY SEWER LINE BY SEPARATE PERMIT (WORK ORDER)
- ⑧ INSTALL NEW FDC
- ⑨ NEW PUBLIC FIRE HYDRANT BY SEPARATE PERMIT (WORK ORDER)
- ⑩ NEW CONNECTION TO PROPOSED PUBLIC WATER LINE BY SEPARATE PERMIT (WORK ORDER)
- ⑪ NEW CONNECTION TO PROPOSED SANITARY SEWER LINE BY SEPARATE PERMIT (WORK ORDER)
- ⑫ PROPOSED WATER LINE CAP BY SEPARATE PERMIT (WORK ORDER)
- ⑬ PROPOSED SAS PLUG BY SEPARATE PERMIT (WORK ORDER)
- ⑭ CONSTRUCT SAS DOUBLE CLEANOUT AND CONCRETE COLLAR PER STD. DETAILS, SHEET CU-501
- ⑮ NEW HEATED ENCLOSURE WITH BACKFLOW PREVENTERS
- ⑯ NEW DOMESTIC WATER LINE METER BY SEPARATE PERMIT (N.I.C.)
- ⑰ REFER TO PLUMBING PLANS FOR CONTINUATION
- ⑱ INSTALL NEW GATE VALVE WITH VALVE BOX, FIRE LINE, LID, AND COLLAR PER TYPICAL DETAILS, SHEET CU-501
- ⑲ INSTALL: 1 - RESTRAINED 8" 90° ELL
- ⑲ INSTALL: 1 - RESTRAINED 8"x8"x6" TEE
- ⑲ INSTALL: 1 - RESTRAINED 6" 45° ELL
- ⑲ INSTALL: 1 - RESTRAINED 2 1/2" 45° ELL

### WATER LINE CONSTRUCTION NOTES:

1. FOR ALL FIRE LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 DR18 PIPE. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
2. WATER LINES SHALL HAVE A MINIMUM COVER OF 3'-0" (FINISHED GRADE TO TOP OF PIPE). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
3. IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
4. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATER LINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
5. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS AND FITTINGS OF FIRE LINES.
6. FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED. JOINT RESTRAINT LENGTHS SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
9. NEW WATER LINE INSTALLATIONS SHALL INCLUDE INSULATED 12 GAUGE COPPER TRACER WIRE INSTALLED CONTINUOUSLY ALONG THE PIPE WITH WATER-PROOF SPLICE BOXES AT JUNCTIONS AND TEES. TRACER WIRE SHALL BE ACCESSIBLE AT ALL VALVES AND SERVICES. TRACER WIRE INSTALLATION SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.

### SANITARY SEWER CONSTRUCTION NOTES:

1. ALL SEWER PIPE SHALL BE PVC (DWV).
2. SLOPES SHOWN ARE BASED ON TRUE DISTANCES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
5. NEW SANITARY SEWER LINE INSTALLATIONS SHALL INCLUDE INSULATED 12 GAUGE COPPER TRACER WIRE INSTALLED CONTINUOUSLY ALONG THE PIPE WITH WATER-PROOF SPLICE BOXES AT JUNCTIONS AND TEES. TRACER WIRE SHALL BE ACCESSIBLE AT ALL CLEANOUTS AND SERVICES. TRACER WIRE INSTALLATION SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.



**SURVEY NOTE:**  
THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE PLAT OF RECORD AND A COMMITMENT FOR TITLE INSURANCE, PREPARED BY STEWART TITLE GUARANTY COMPANY, NMPS 14271, DATED 01/16/2007. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 12/01/2015 (2015.046.2). SEE SHEET VF-101 FOR SURVEY.

2015.046.1

PROJECT  
New Mexico Mutual

SCALE  
1" = 30'-0"

RMKM PROJECT NO.  
1513

NM Mutual Home Office

DATE  
JULY 8, 2016

PROJECT MANAGER  
G.M.

5201 Balloon Fiesta Parkway

DRAWN BY  
J.Y.R.

SHEET TITLE  
CONCEPTUAL UTILITY PLAN

DESIGN PHASE  
DRB Hearing  
NOT FOR CONSTRUCTION

SHEET NUMBER  
SHEET #4

7-11-2016  
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