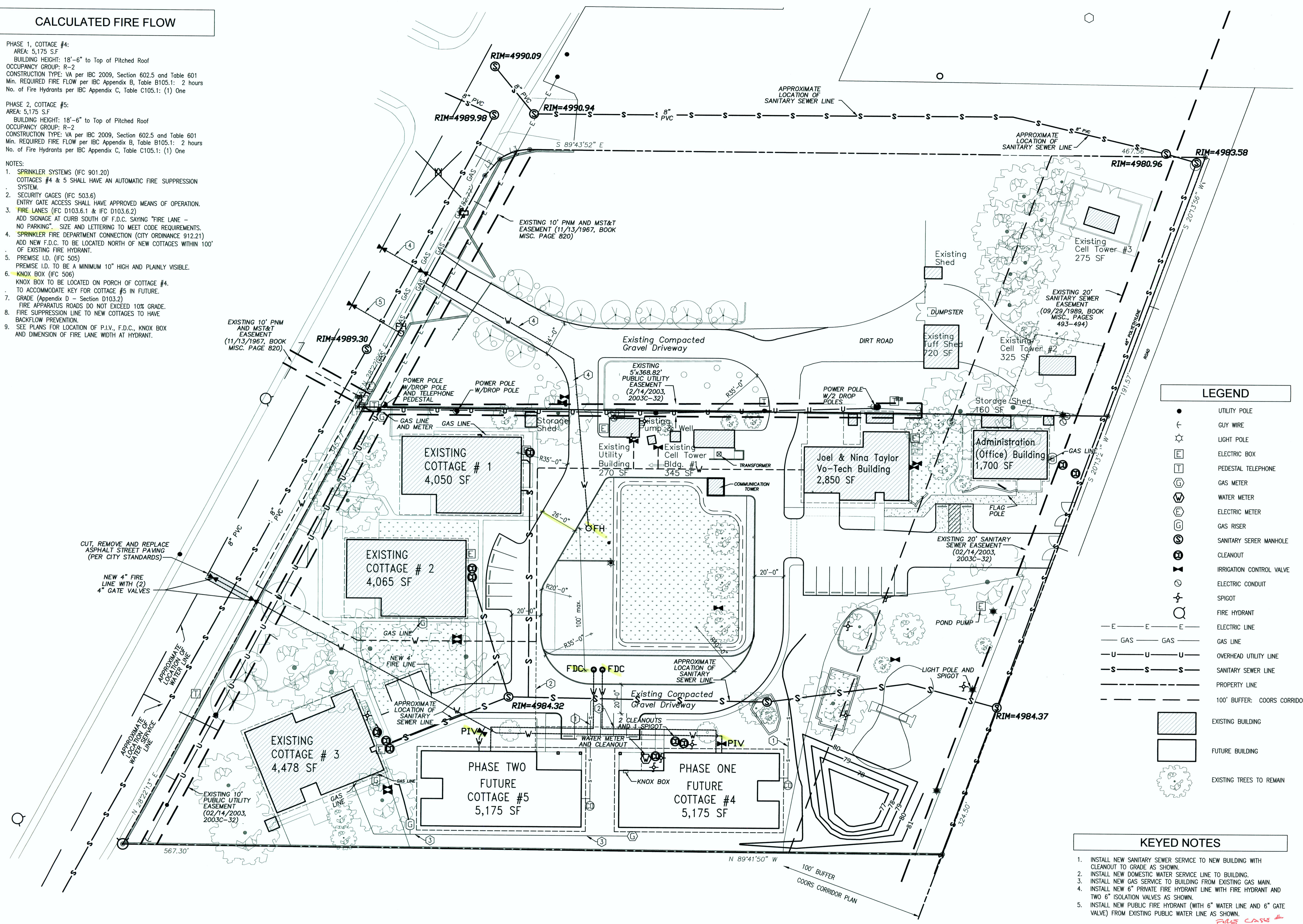


CALCULATED FIRE FLOW

PHASE 1, COTTAGE #4:
 AREA: 5,175 S.F.
 BUILDING HEIGHT: 18'-6" to Top of Pitched Roof
 OCCUPANCY GROUP: R-2
 CONSTRUCTION TYPE: VA per IBC 2009, Section 602.5 and Table 601
 Min. REQUIRED FIRE FLOW per IBC Appendix B, Table B105.1: 2 hours
 No. of Fire Hydrants per IBC Appendix C, Table C105.1: (1) One

PHASE 2, COTTAGE #5:
 AREA: 5,175 S.F.
 BUILDING HEIGHT: 18'-6" to Top of Pitched Roof
 OCCUPANCY GROUP: R-2
 CONSTRUCTION TYPE: VA per IBC 2009, Section 602.5 and Table 601
 Min. REQUIRED FIRE FLOW per IBC Appendix B, Table B105.1: 2 hours
 No. of Fire Hydrants per IBC Appendix C, Table C105.1: (1) One

- NOTES:
1. SPRINKLER SYSTEMS (IFC 901.20)
 COTTAGES #4 & 5 SHALL HAVE AN AUTOMATIC FIRE SUPPRESSION SYSTEM.
 2. SECURITY GATES (IFC 503.6)
 ENTRY GATE ACCESS SHALL HAVE APPROVED MEANS OF OPERATION.
 3. FIRE LANES (IFC D103.6.1 & IFC D103.6.2)
 ADD SIGNAGE AT CURB SOUTH OF F.D.C. SAYING "FIRE LANE - NO PARKING". SIZE AND LETTERING TO MEET CODE REQUIREMENTS.
 4. SPRINKLER FIRE DEPARTMENT CONNECTION (CITY ORDINANCE 912.21)
 ADD NEW F.D.C. TO BE LOCATED NORTH OF NEW COTTAGES WITHIN 100' OF EXISTING FIRE HYDRANT.
 5. PREMISE I.D. (IFC 505)
 PREMISE I.D. TO BE A MINIMUM 10" HIGH AND PLAINLY VISIBLE.
 6. KNOX BOX (IFC 506)
 KNOX BOX TO BE LOCATED ON PORCH OF COTTAGE #4.
 TO ACCOMMODATE KEY FOR COTTAGE #5 IN FUTURE.
 7. GRADE (Appendix D - Section D103.2)
 FIRE APPARATUS ROADS DO NOT EXCEED 10% GRADE.
 8. FIRE SUPPRESSION LINE TO NEW COTTAGES TO HAVE BACKFLOW PREVENTION.
 9. SEE PLANS FOR LOCATION OF P.I.V., F.D.C., KNOX BOX AND DIMENSION OF FIRE LANE WIDTH AT HYDRANT.



LEGEND

- UTILITY POLE
- ⊖ GUY WIRE
- ⊙ LIGHT POLE
- ⊞ ELECTRIC BOX
- ⊞ PEDESTAL TELEPHONE
- ⊞ GAS METER
- ⊞ WATER METER
- ⊞ ELECTRIC METER
- ⊞ GAS RISER
- ⊞ SANITARY SEWER MANHOLE
- ⊞ CLEANOUT
- ⊞ IRRIGATION CONTROL VALVE
- ⊞ ELECTRIC CONDUIT
- ⊞ SPIGOT
- ⊞ FIRE HYDRANT
- E — E — E — ELECTRIC LINE
- GAS — GAS — GAS — GAS LINE
- U — U — U — OVERHEAD UTILITY LINE
- S — S — S — SANITARY SEWER LINE
- — — — — PROPERTY LINE
- — — — — 100' BUFFER: COORS CORRIDOR PLAN
- ▨ EXISTING BUILDING
- FUTURE BUILDING
- ⊙ EXISTING TREES TO REMAIN

KEYED NOTES

1. INSTALL NEW SANITARY SEWER SERVICE TO NEW BUILDING WITH CLEANOUT TO GRADE AS SHOWN.
2. INSTALL NEW DOMESTIC WATER SERVICE LINE TO BUILDING.
3. INSTALL NEW GAS SERVICE TO BUILDING FROM EXISTING GAS MAIN.
4. INSTALL NEW 6" PRIVATE FIRE HYDRANT LINE WITH FIRE HYDRANT AND TWO 6" ISOLATION VALVES AS SHOWN.
5. INSTALL NEW PUBLIC FIRE HYDRANT (WITH 6" WATER LINE AND 6" GATE VALVE) FROM EXISTING PUBLIC WATER LINE AS SHOWN.

FILE CASE # 2129-16 2129-16
 HYDRANT AND FIRE ACCESS
 ALBUQUERQUE FIRE MARSHAL'S OFFICE
 PLANS CHECKING DIVISION
 SOFT COPY NUMBER OF HYDRANTS 2
 CONSTRUCTION TYPE 2
 APPROVED / DISAPPROVED
 SIGNATURE / MAN NUMBER / DATE

CHERRY/SEE/REAMES ARCHITECTS, PC
 220 gold avenue sw albuquerque, nm 87102
 505 - 842 - 1278 fax 505 - 766 - 9269

Site Development Plan
Albuquerque Christian Children's Home
 5700 Winterhaven Road NW
 Albuquerque, NM 87120

MARK	DATE	DESCRIPTION
	4/26/2016	D.R.B.
	12/21/2015	E.P.C.
	11/16/2015	PRE E.P.C.

MANAGEMENT BLOCK

PROJECT NO:	ACCH
CAD DWG FILE:	4-ACCH-UTILITY
DRAWN BY:	MSH
CHECKED BY:	
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TITLE OF SHEET
UTILITY PLAN
FIRE 1

SHEET NUMBER
U101
SHEET #4