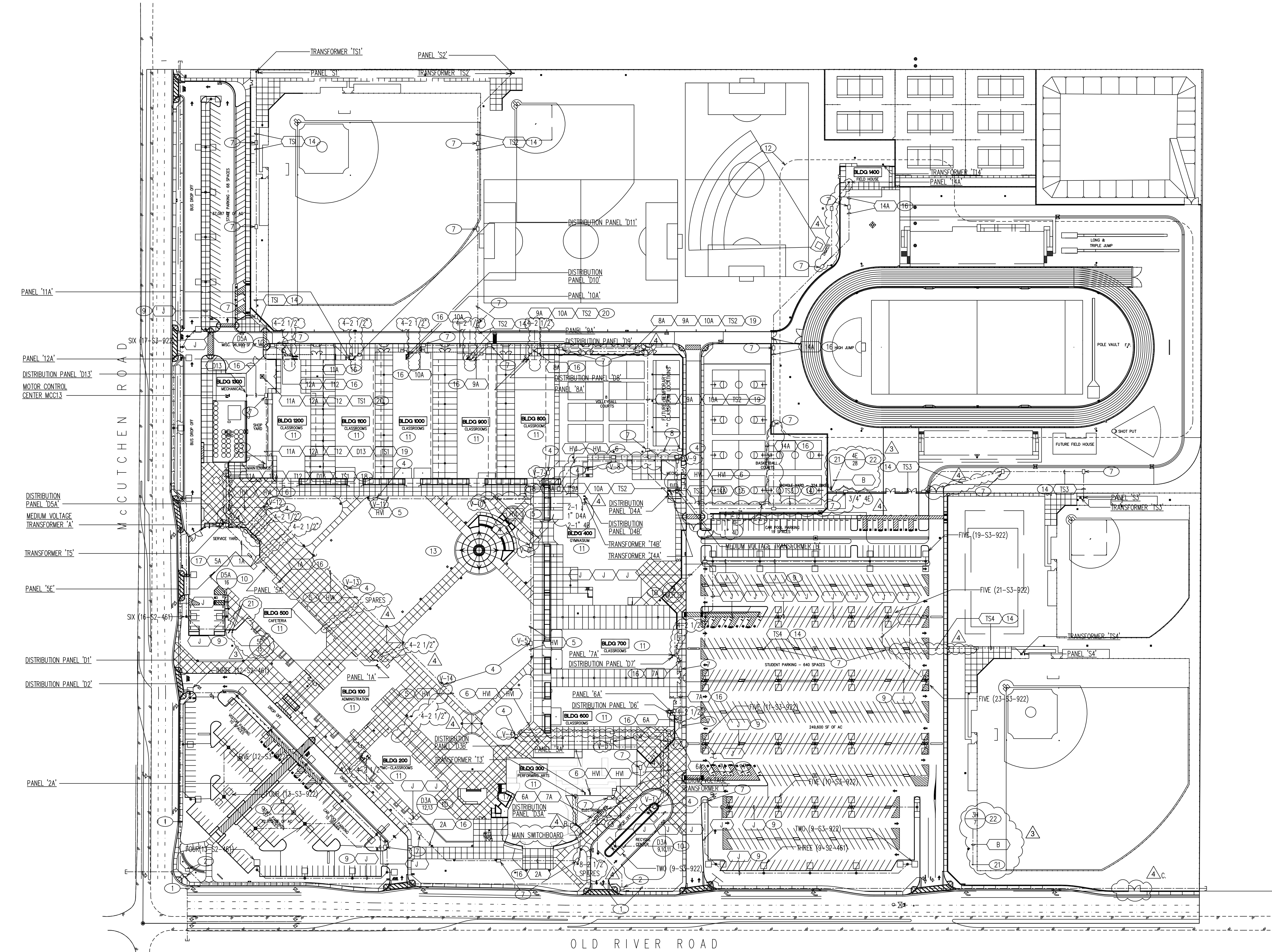
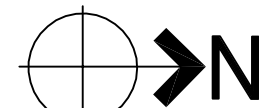


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06/10/06
DAJ/AAM/A.C



SITE ELECTRICAL PLAN

SEE SHEET 14.8 FOR FEEDER SCHEDULES

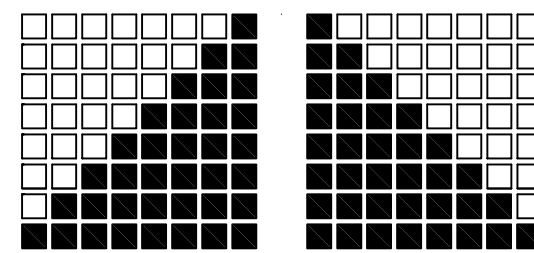


SCALE: 1" = 80' - 0"

SITE ELECTRICAL PLAN NOTES

- ONE 6" C. (UTILITY COMPANY PRIMARY) TO UTILITY COMPANY SERVICE POINT. COORDINATE AND VERIFY EXACT LOCATION, RISER AND QUADRANT REQUIREMENTS WITH UTILITY COMPANY PLANNING REPRESENTATIVE PRIOR TO BID.
- HIGH VOLTAGE SPUCE BOX PER UTILITY COMPANY REQUIREMENTS, CONTRACTOR SHALL VERIFY QUANTITIES AND LOCATIONS WITH UTILITY COMPANY PLANNING REPRESENTATIVE PRIOR TO BID.
- ONE 4" C. (UTILITY COMPANY PRIMARY) PER UTILITY COMPANY REQUIREMENTS, CONTRACTOR SHALL VERIFY.
- PROVIDE HIGH VOLTAGE PULL BOX PER SPECIFICATIONS AND INSTALL PER 3/5/17.2.
- TWO HIGH VOLTAGE FEEDERS PER 5/5/17.2.
- FOUR HIGH VOLTAGE FEEDERS PER 5/5/17.2.
- PROVIDE LOW VOLTAGE PULL BOX PER SPECIFICATIONS AND INSTALL PER 21/5/17.1.
- PROVIDE LOW VOLTAGE POWER PULL BOX PER SPECIFICATIONS, INSTALL SIMILARLY TO 21/5/17.1 AND STUB, CAP AND LABEL TWO 3" C. FOR FUTURE POWER DISTRIBUTION FOR FUTURE RELOCATABLE CLASSROOM BUILDINGS.
- FEEDER TYPICAL BETWEEN LIGHTING POLE STANDARDS, U.O.N.
- SITE LIGHTING CIRCUIT CONTROLLED VIA PHOTOCELL 'ON' AND TIME CLOCK 'OFF'. PROVIDE TIME CLOCK PER SPECIFICATIONS AND ALL APPROPRIATE CONTACTORS, HARDWARE, ETC. AS REQUIRED AT DISTRIBUTION PANEL SERVING SITE LIGHTING. COORDINATE SCHEDULING OF TIME CLOCK CONTROL WITH OWNER.
- REFER TO RESPECTIVE BUILDING POWER PLAN FOR INDIVIDUAL BUILDING PANEL AND TRANSFORMER LOCATIONS AND SINGLE LINE DIAGRAM, SHEET E15.1 FOR INTRA-BUILDING PANEL AND TRANSFORMER FEEDER INFORMATION.
- REFER TO ENLARGED SITE PLAN, SHEET E0.4 FOR ADDITIONAL WORK IN THIS AREA.
- REFER TO CANOPY LIGHTING PLAN, SHEET E0.6 FOR ADDITIONAL SITE LIGHTING REQUIRED IN INTERIOR QUAD AREA.
- IN ADDITION TO FEEDER NOTED, PROVIDE TWO 1 1/4" C. (SPARE).
- IN ADDITION TO FEEDER NOTED, PROVIDE TWO 1 1/4" C. (SPARE); TWO 2 1/2" C. (SPARE).
- IN ADDITION TO FEEDER NOTED, PROVIDE TWO 2 1/2" C. (SPARE).
- IN ADDITION TO FEEDER NOTED, PROVIDE FOUR 2 1/2" C. (SPARE).
- IN ADDITION TO FEEDER NOTED, PROVIDE TWO 1 1/4" C. (SPARE); SIX 2 1/2" C. (SPARE); TWO 3" C. (SPARE).
- IN ADDITION TO FEEDER NOTED, PROVIDE TWO 1 1/4" C. (SPARE); SIX 2 1/2" C. (SPARE).
- IN ADDITION TO FEEDER NOTED, PROVIDE TWO 1 1/4" C. (SPARE); FOUR 2 1/2" C. (SPARE).
- CONNECT IRRIGATION CONTROLLER: 120 VOLT POWER PER MANUFACTURE'S WRITTEN INSTRUCTIONS. COORDINATE EXACT LOCATION OF CONTROLLER WITH IRRIGATION SYSTEMS CONTRACTOR PRIOR TO COMMENCING ROUGH-IN FOR THIS PORTION OF THE WORK.
- REFER TO RESPECTIVE BUILDING POWER PLAN FOR LOCATION OF PANEL.

- A. FUTURE MESSAGE BOARD:
1) PROVIDE ONE UNDERGROUND POWER PULL BOX AND ONE UNDERGROUND SIGNAL PULL BOX, CHRISTY N9 OR EQUAL, INSTALLED SIDE BY SIDE, SLUSH TO GRADE FOR FUTURE POWER AND DATA CONDUITS REQUIRED FOR FUTURE MESSAGE BOARD.
2) FROM PANEL 336= LOCATED IN ROOM 336, STUB ONE 1" C. TO UNDERGROUND POWER PULL BOX PER SPECIFICATIONS.
3) FROM IDF 3 LOCATED IN ROOM 338, STUB ONE 1" C. TO UNDERGROUND SIGNAL PULL BOX PER SPECIFICATIONS.
- B. PG&E REMOTE METERING:
1) PROVIDE AND INSTALL 1" CONDUIT AND TELEPHONE CABLE PER SPECIFICATIONS FROM THE ELECTRIC METER SECTION OF THE MAIN SWITCHBOARD TO TERMINAL CABINETS 3A= IN BUILDING 300 FOR REMOTE METER READING.
2) PHONE LINE FOR REMOTE METER READING IS TO BE A DEDICATED LINE TAKEN BACK TO BUILDING 1200 VIA SPARE TELEPHONE PAIR.
- C. CHAIN LINK GATE FOR PG&E:
1) INSTALL PAIR OF 10' WIDE CHAIN LINK GATES IN EXISTING C.L. FENCE FOR PG&E ACCESS TO #7 PG&E VAULT



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OFFICE OF REGULATION SERVICES

APPL 03-09326
FILE #15-H3

AC FL8 SS
DATE

PTN# 63529-68

HIGH SCHOOL #2
OLD RIVER ROAD AT
MCCUTCHEN ROAD



KERN HIGH SCHOOL DISTRICT
BAKERSFIELD, CALIFORNIA

BUILDING KEY PLAN

MARK	DATE	DESCRIPTION
SD	.	.
CD	09-16-05	DSA SUBMITTAL
1	02-21-06	CM REVIEW
2	05-18-06	DSA BACKCHECK
3	09-20-06	ADDENDUM NO.6
4	03-01-06	AS BUILT

JOB NUMBER:
20055838
CAD DRAWING FILE:
2005-50-E0.1.DWG
DRAWN BY:
DAJ/AAM
CHECKED BY:
VWW
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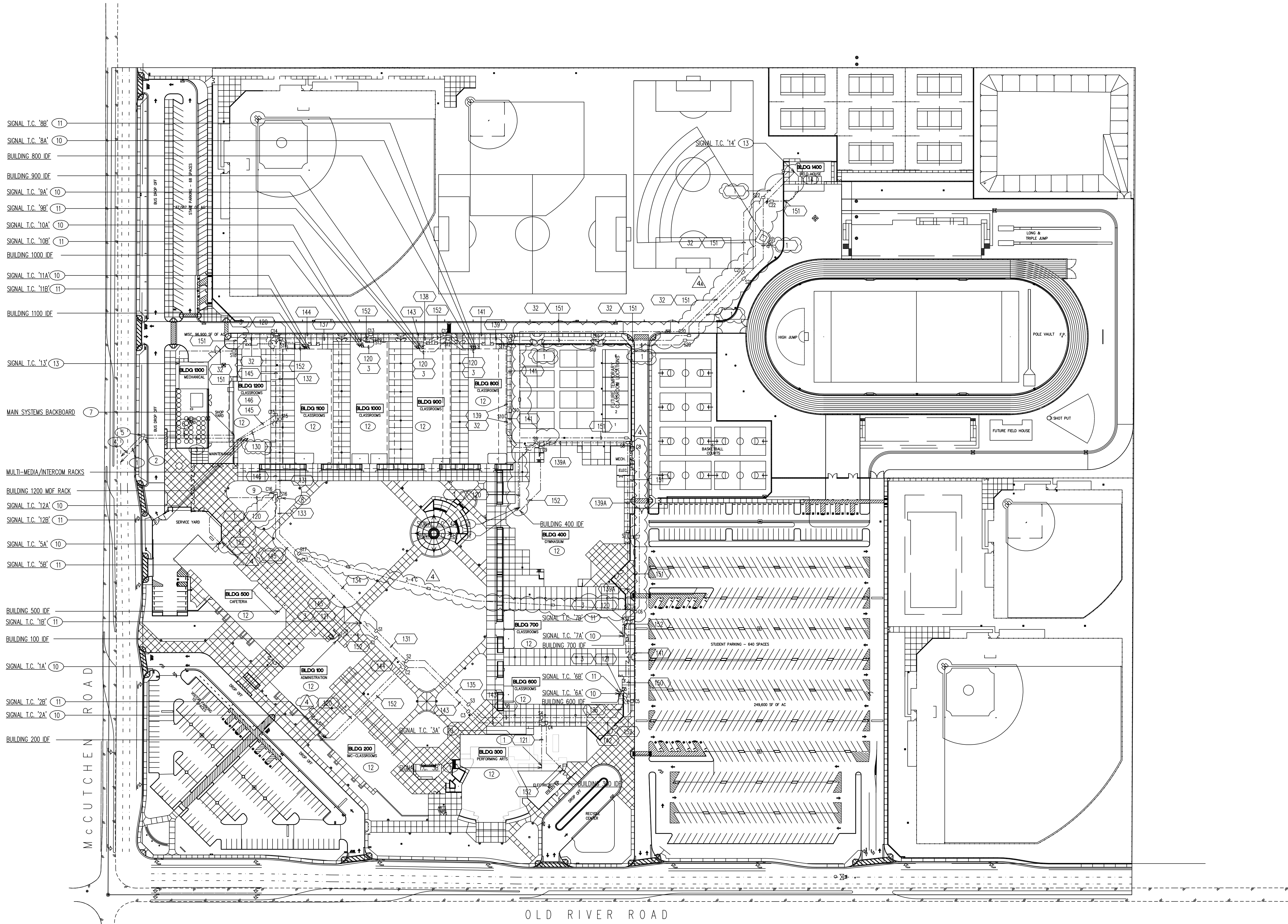
SITE ELECTRICAL PLAN

SHEET IDENTIFICATION NUMBER

E0.1R

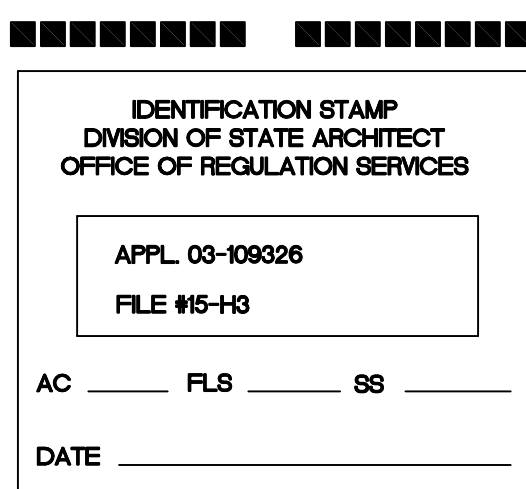
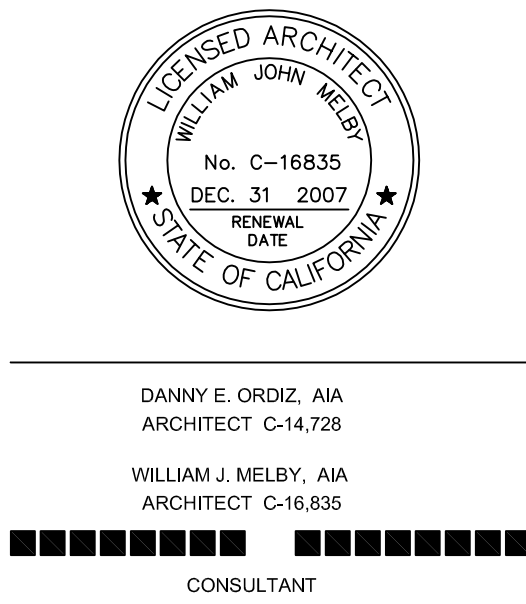
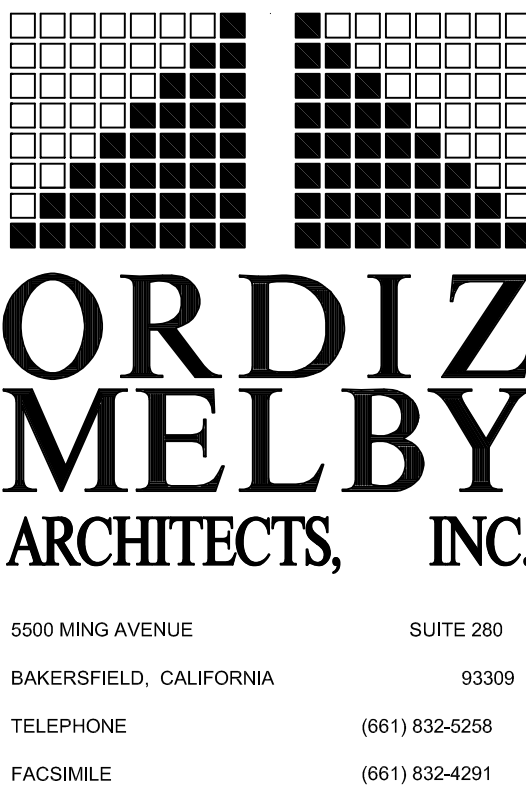
SHEET OF

SITE SIGNAL DISTRIBUTION PLAN



- SITE SIGNAL DISTRIBUTION PLAN
- 1) TWO 2" C. (TELEPHONE) PER UTILITY COMPANY REQUIREMENTS TO UTILITY COMPANY POINT OF SERVICE, CONTRACTOR SHALL VERIFY EXACT LOCATION AND REQUIREMENTS PRIOR TO BID.
 - 2) PULL BOX PER TELEPHONE COMPANY REQUIREMENTS. CONTRACTOR SHALL VERIFY EXACT LOCATION AND REQUIREMENTS PRIOR TO BID.
 - 3) TWO 2" C. (TELEPHONE) PER UTILITY COMPANY REQUIREMENTS. RUN CONDUIT TO BUILDING VIA BUILT UP CURBING IN ROOM 1210. REFER TO ARCHITECTURAL DRAWINGS, 24/A/117 FOR COORDINATION/REFERENCE. COORDINATE WITH UTILITY COMPANY PLANNING REPRESENTATIVE PRIOR TO BID AND AGAIN PRIOR TO COMMENCEMENT OF THIS WORK.
 - 4) TWO 2" C. (CATV) PER UTILITY COMPANY REQUIREMENTS TO UTILITY COMPANY POINT OF SERVICE, CONTRACTOR SHALL VERIFY EXACT LOCATION AND REQUIREMENTS PRIOR TO BID.
 - 5) PULL BOX PER BRIGHT HOUSE CABLE TELEVISION REQUIREMENTS. CONTRACTOR SHALL VERIFY EXACT LOCATION AND REQUIREMENTS PRIOR TO BID.
 - 6) TWO 2" C. (CATV) PER UTILITY COMPANY REQUIREMENTS. RUN CONDUIT TO BUILDING VIA BUILT UP CURBING IN ROOM 1210. REFER TO ARCHITECTURAL DRAWINGS, 24/A/117 FOR COORDINATION/REFERENCE. COORDINATE WITH UTILITY COMPANY PLANNING REPRESENTATIVE PRIOR TO BID AND AGAIN PRIOR TO COMMENCEMENT OF THIS WORK.
 - 7) PROVIDE 3/4" X 8" X 12" PLYWOOD BACKBOARD WITH ONE SQUARE 1" CLASS 9080, TYPE LB, COPPER, #163206 POWER DISTRIBUTION TERMINATION BLOCK OR EQUAL MOUNTED ON EACH 4" WIDE SECTION (TOTAL OF THREE SECTIONS). RUN 1 # CU GROUND FROM BUILDING GROUNDING ELECTRODE SYSTEM AND TERMINATE AT TERMINATION BLOCK.
 - 8) PROVIDE SIGNAL SYSTEMS PULL BOX CLUSTER PER SPECIFICATIONS AND INSTALL PER 15/E17.1, TYPICAL. REFER TO INDIVIDUAL BUILDING SIGNAL PLANS FOR EXACT LOCATION, ORIENTATION AND CONFIGURATION OF SIGNAL SYSTEMS PULL BOX CLUSTER. COORDINATE LOCATIONS WITH ARCHITECTURAL PLANS TO ENSURE NO CONFLICTS OCCUR WITH CONCRETE FLATWORK, CONTRACTOR SHALL FIELD ADJUST AS REQUIRED.
 - 9) PROVIDE COMPUTER SYSTEMS PULL BOX PER SPECIFICATIONS AND INSTALL PER 21/E17.1, TYPICAL.
 - 10) PROVIDE SIGNAL SYSTEMS PULL BOX CLUSTER PER SPECIFICATIONS AND INSTALL PER 15/E17.1 FOR FUTURE RELOCATABLE CLASSROOM BUILDINGS SIGNAL SYSTEMS DISTRIBUTION BY OTHERS.
 - 11) PROVIDE COMPUTER SYSTEMS PULL BOX PER SPECIFICATIONS AND INSTALL PER 15/E17.1 FOR FUTURE RELOCATABLE CLASSROOM BUILDINGS COMPUTER SYSTEM DISTRIBUTION BY OTHERS.
 - 12) SIGNAL TERMINAL CABINET 'XA' TYPICALLY SERVES BUILDING 'X' FIRE ALARM AND BURGLAR ALARM SYSTEMS TERMINATION, DISTRIBUTION, ETC., TYPICAL.
 - 13) SIGNAL TERMINAL CABINET 'XB' TYPICALLY SERVES BUILDING 'X' INTERCOM AND MATV SYSTEMS TERMINATION, DISTRIBUTION, ETC., TYPICAL.
 - 14) REFER TO INDIVIDUAL BUILDING SIGNAL PLANS FOR RESPECTIVE SIGNAL AND COMPUTER TERMINAL CABINET INTRA-BUILDING FEEDER AND BRANCH CIRCUITING REQUIREMENTS.
 - 15) SIGNAL TERMINAL CABINET SERVES ALL SYSTEMS FOR THIS BUILDING.

4) IN EXISTING CONDUITS BETWEEN BUILDING 400 AND BUILDING 1400, CONTRACTOR SHALL PROVIDE FIBER OPTIC CABLING AS FOLLOWS: IN SPARE 2" C. BETWEEN BUILDING 400 IDF AND COMPUTER PULL BOX C9; EXISTING SPARE 3" C. BETWEEN COMPUTER PULL BOXES C9, C10 AND C11; EXISTING SPARE 2" C. BETWEEN COMPUTER PULL BOXES C11, C19, C20, C21, C22 AND INTO BUILDING 1400, CONTRACTOR SHALL PROVIDE ONE >F0= CABLE PER SPECIFICATIONS AND TERMINATE AT BUILDING 1400 IDF.



PTN# 63529-68
HIGH SCHOOL #2
OLD RIVER ROAD AT
MCCUTCHEN ROAD
KERN HIGH SCHOOL DISTRICT
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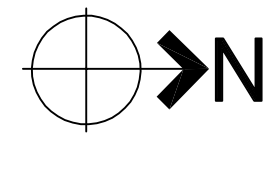
BUILDING KEY PLAN

MARK	DATE	DESCRIPTION
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CD	09-16-05	DSA SUBMITTAL
1	02-21-06	CM REVIEW
2	05-18-06	DSA BACKCHECK
3		
4	03-01-09	AS BUILTS

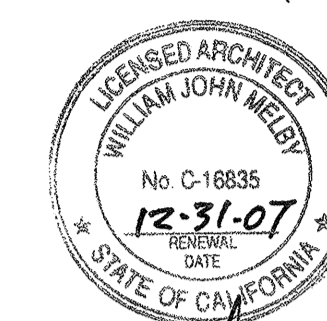
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CAD DRAWING FILE: 2005-50-ED.2.DWG
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SHEET IDENTIFICATION NUMBER
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SHEET OF
#2005-50

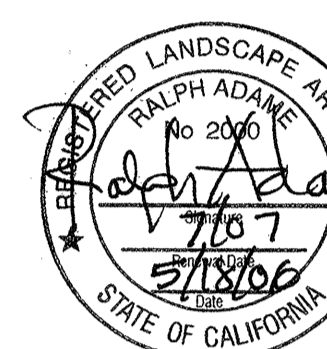
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SCALE: 1" = 80' - 0"

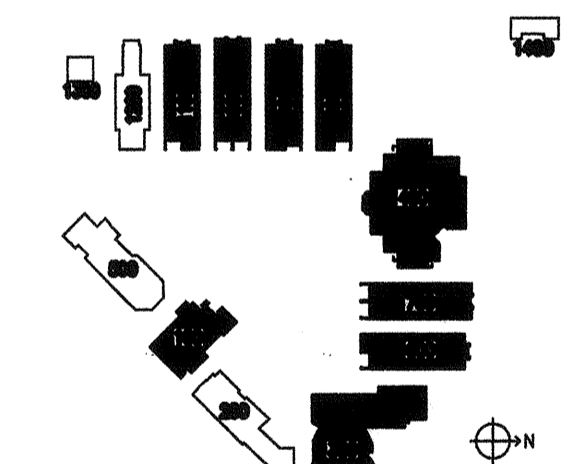


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ARCHITECT C-16,835
CONSULTANT



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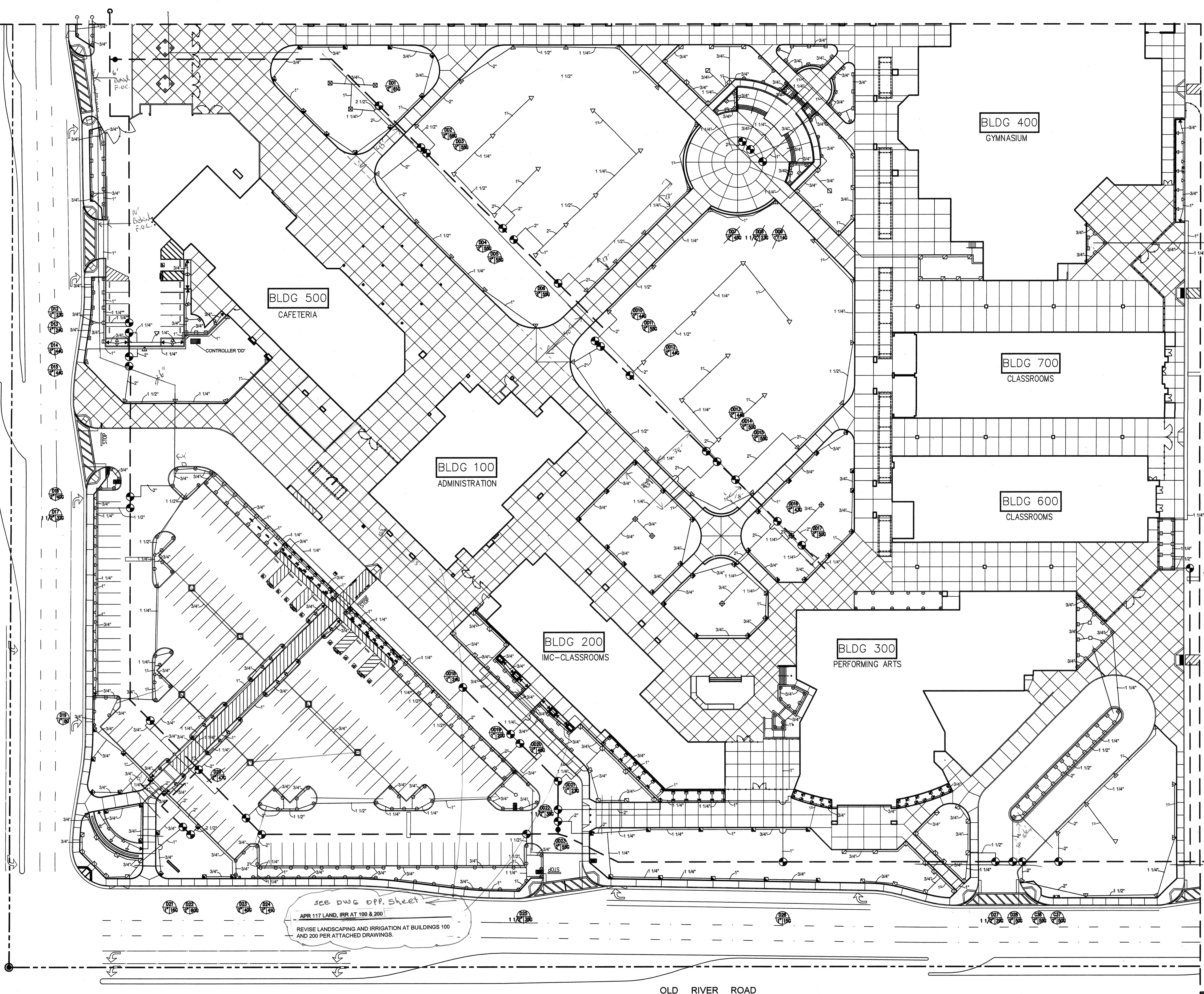


BUILDING KEY PLAN

MARK	DATE	DESCRIPTION
SD		
CD		
8		
8		
8		
05/18/06		DSA BACKCHECK

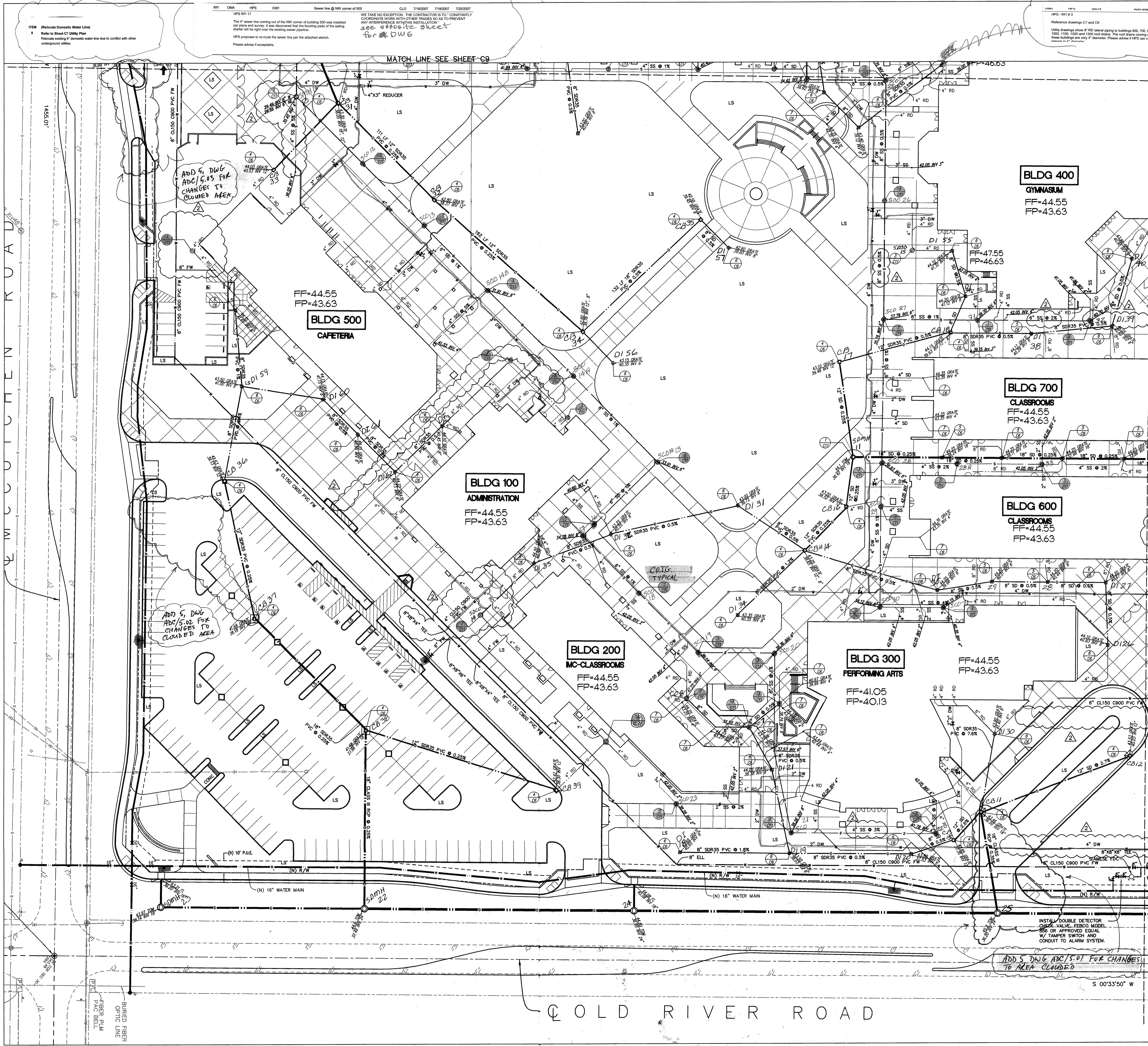
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SHEET TITLE
IRRIGATION LAYOUT
SOUTHWEST QUADRANT
SHEET IDENTIFICATION NUMBER
L-8
SHEET 8 OF 11



IRRIGATION LAYOUT (SOUTHWEST QUADRANT)





ITEM (Relocate Domestic Water Line)
Relocate existing 8" domestic water line due to conflict with other underground utilities.

NOTE:
The 4" sewer line coming out of the NW corner of building 500 was installed per plans and survey. It was discovered that the footing walls of the existing sewer will be right over the existing sewer pipeline.
HPS proposes to re-route the sewer line per the attached sketch.
Please advise if acceptable.

NOTE:
THE 4" DIA. LATERALS IN QUESTION PICK UP TWO 4" DIA. ROOF DRAIN DOWNSPUTS AT EACH LOCATION. THE CONTRACTOR IS TO TIE THE TWO 4" DIA. DRAINS INTO THE 4" DIA. LATERALS. IF THE CONTRACTOR WOULD PREFER TO RUN TWO 4" DIA. LATERALS, INSTEAD OF ONE 4" DIA. LATERAL, TO TIE INTO EACH 4" DIA. ROOF DRAIN.

BENCH MARK:
TOP OF MONUMENT AT THE CENTERLINE INTERSECTION OF OLD RIVER ROAD AND McCUTCHEN ROAD.
ELEV.=343.54

LEGEND:

- EX. EXISTING
- (N) NEW
- TY. TYPICAL
- C. CENTERLINE
- CONC. CONCRETE
- SD. STORM DRAIN
- RD. ROOF DRAIN
- SS. SANITARY SEWER
- DW. DOMESTIC WATER
- FW. FIRE WATER
- UG. UNDERGROUND
- FL. FLOORING
- INV. INVERT
- AC. ASPHALT CEMENT
- FF. FINISHED FLOOR
- FP. FINISHED PAD
- LS. LANDSCAPING
- R/W. RIGHT-OF-WAY
- (N) FRC HYDRANT
- (N) WHAF HYDRANT
- (N) GATE VALVE
- (N) MONUMENT AS DESCRIBED
- (N) EXISTING POWER POLE
- (N) EXISTING DOWN GUY
- (N) EXISTING TRAFFIC SIGN
- (N) EXISTING STREET NAME SIGN
- (N) EXISTING SEWER MANHOLE
- (N) EXISTING GAS VALVE
- (N) EXISTING CABLE BOX
- (N) SEWER MANHOLE
- (N) STORM DRAIN MANHOLE
- (N) CLEAN OUT
- (N) FRC HYDRANT
- (N) WHAF HYDRANT
- (N) GATE VALVE

BUILDING KEY PLAN

MARK	DATE	DESCRIPTION
SD	05/18/06	DSA BACKCHECK
2	08/31/06	ADDENDUM #4
8		
8		
8		
8		

ADDENDUM #2
IN ADDITION TO THE CLOUDED CHANGES, THE FOLLOWING ITEMS HAVE BEEN ADDRESSED AS A PART OF THIS ADDENDUM:
ADDITION:
1. ALL ROOF DRAIN LATERAL SIZES AND LOCATIONS FOR EACH BUILDING.
2. SEWER LATERAL INVERT ELEVATIONS AT ALL BUILDING POINTS OF CONNECTIONS.
CHANGE:
1. ALL STORM DRAIN PIPE LARGER THAN 24" SHALL BE CLASS III RCP WITH RUBBER GASKET JOINTS.
2. SEWER MAIN INVERT GRADES.

INSTALL DOUBLE DETECTOR CHECK VALVE, FERCO MODEL 865 OR APPROVED EQUAL W/ TAMPER SWITCH AND CONDUIT TO ALARM SYSTEM.

ADD S.DWG. AND S.O.I. FOR CHANGES TO AREA CLOUDED

OLD RIVER ROAD

SCALE: 1" = 30'

S 00°33'50" W

REGISTERED PROFESSIONAL ENGINEER
No. 43032
EXP. 3-31-08
CIVIL
STATE OF CALIFORNIA

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5500 MING AVENUE SUITE 280
BAKERSFIELD, CALIFORNIA 93309
TELEPHONE (861) 832-5258
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REGISTERED ARCHITECT
No. C-16835
DEC. 31, 2005
STATE OF CALIFORNIA

DANNY E. ORDIZ, AIA ARCHITECT C-14728
WILLIAM J. MELBY, AIA ARCHITECT C-16835
CONSULTANT

McINTOSH & ASSOCIATES
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HIGH SCHOOL #2
OLD RIVER ROAD AT McCUTCHEN ROAD

KERN HIGH SCHOOL DISTRICT
BAKERSFIELD, CALIFORNIA

BUILDING KEY PLAN

MARK	DATE	DESCRIPTION
SD	05/18/06	DSA BACKCHECK
2	08/31/06	ADDENDUM #4
8		
8		
8		
8		

JOB NUMBER: 2005838
CAD DRAWINGS FILE:
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SHEET TITLE
UTILITY PLAN

SHEET IDENTIFICATION NUMBER
C7R
SHEET 7 OF 23