ELECTRICAL SYMBOL LIST

GENERAL

(E) — THIN LINE SYMBOL WITH (E) NEXT TO SYMBOL INDICATES EXISTING ELECTRICAL LUMINAIRE, OUTLET, ENCLOSURE, OR EQUIPMENT TO REMAIN. MAINTAIN EXISTING ELECTRICAL CONTINUITY.

(R) — THIN LINE SYMBOL WITH (R) NEXT TO SYMBOL INDICATES EXISTING ELECTRICAL LUMINAIRE, OUTLET, ENCLOSURE, OR EQUIPMENT TO BE REMOVED COMPLETE. MAINTAIN ELECTRICAL CONTINUITY TO OUTLETS, REROUTE ELECTRICAL CLEAR OF CONSTRUCTION

CONNECTIONS / EQUIPMENT

J OR JB — JUNCTION BOX

JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT

T — TRANSFORMER

MISCELLANEOUS

CONDUIT ELLED UP

CONDUIT ELLED DOWN

CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING

CONDUIT/WIRING CONTINUATION

GROUND ROD

WATER PIPE GROUND CONNECTION

TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSOR

GROUNDING POINT

M — DIGITAL TYPE METER WITH VOLTMETER, AMMETER, KW METER, KVA METER, KVAR METER, AND %THD METER

DRY TYPE TRANSFORMER

LANDING LUG

CURRENT TRANSFORMER

FUSE

SWITCH

CIRCUIT BREAKER

GFI — CIRCUIT BREAKER WITH GROUND FAULT INTERRUPTING

SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED

FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED

BRANCH PANEL

FLUSH WALL MOUNTED BRANCH PANEL

MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL

FLEXIBLE CONDUIT

—P— UNDERGROUND PRIMARY SERVICE

—EP— EXISTING UNDERGROUND PRIMARY SERVICE

—S— UNDERGROUND SECONDARY SERVICE

—ES— EXISTING UNDERGROUND SECONDARY SERVICE

GB — GROUND BAR

—T— UNDERGROUND TELEPHONE SERVICE

—C— UNDERGROUND CABLE TELEVISION SERVICE

#10 — B-27,29 — BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.

CONDUIT CONCEALED IN WALL OR CEILING SPACE

ELECTRICAL CONCRETE PULLBOX. SIZED AS SHOWN ON DRAWING.

CONCRETE PULLBOX. SIZED AS SHOWN ON DRAWING.

CONDUIT ROUTED BELOW FLOOR / GRADE

EXISTING CONDUIT CONCEALED IN WALL OR CEILING SPACE

EXISTING CONDUIT ROUTED BELOW FLOOR / GRADE

UTILITY TRANSFORMER PAD/VAULT

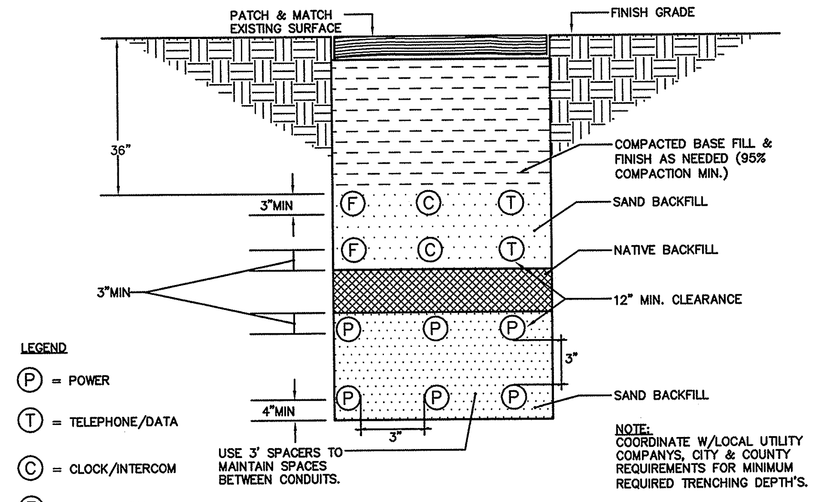
REFERENCE NOTE

MECHANICAL EQUIPMENT CONNECTION ITEM. REFER TO SCHEDULE

KITCHEN EQUIPMENT CONNECTION ITEM. REFER TO SCHEDULE

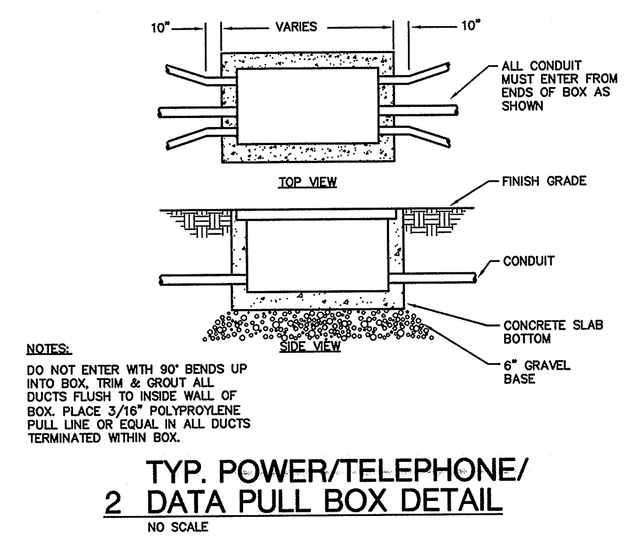
ABBREVIATIONS

A	AMPERES, AMBER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CAPACITY
AV	AUDIO VISUAL
BC	BARE COPPER
C	CONDUIT, CLOSE, CONTROL
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CATV	CABLE TELEVISION
CLG	CEILING
CU	COPPER
E	EMERGENCY
(E)	EXISTING
EF	EXHAUST FAN
(F)	FUTURE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
GFI	GROUND FAULT INTERRUPTER
G, GND	GROUND
HPS	HIGH PRESSURE SODIUM
IG	ISOLATED GROUND
KV	KILOVOLT
KVA	KILOVOLT AMPERES
KW	KILOWATT
M	MOTOR
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MSB	MAIN SWITCHBOARD
N	NEUTRAL
(N)	NEW
N.I.C.	NOT IN CONTRACT
NC	NORMALLY CLOSED
NL	NIGHT LIGHT
NO	NORMALLY OPEN
OS	OCCUPANCY SENSOR
PH	PHASE
PRV	PRESSURE RELIEF VALVE
PNL	PANEL
(R)	EXISTING TO BE REMOVED OR RELEASED
SWBD	SWITCHBOARD
TB	TERMINAL BOARD
TTB	TELEPHONE TERMINAL BOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTABLE POWER SUPPLY
UON	UNLESS OTHERWISE NOTED
V	VOLTS, VOLTAGE
VAV	VARIABLE AIR VOLUME BOX
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE, WHITE
WP	WEATHERPROOF



1 TYPICAL TRENCH DETAIL

NO SCALE



NOTES:

DO NOT ENTER WITH 90° BENDS UP INTO BOX, TRIM & GROUT ALL DUCTS FLUSH TO INSIDE WALL OF BOX. PLACE 3/16" POLYPROYLENE PULL LINE OR EQUAL IN ALL DUCTS TERMINATED WITHIN BOX.

2 TYP. POWER/TELEPHONE/ DATA PULL BOX DETAIL

NO SCALE

SHEET NO. DESCRIPTION

E0.1 — ELECTRICAL LEGEND, ABBREVIATIONS, DETAILS
E1.0B — ELECTRICAL SITE PLAN - BASE BID

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REVISION HISTORY

REMARKS	DATE
1 ADDENDUM #1	6/5/07
2	
3	
4	
5	
6	
7	
8	
9	
10	

DRAWING STATUS — DATE

- DSA PLAN CHECK
- DSA BACK CHECK
- BIDDING
- CONSTRUCTION

FILE NO.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
AC.____ FLS.____ SS.____
DATE

FACILITIES MAINTENANCE CENTER

San Mateo County Community College District

SITE UTILITY IMPROVEMENTS

CAÑADA COLLEGE

4200 Farm Hill Boulevard
Redwood City, CA 94061

ELECTRICAL SYMBOL LIST AND GENERAL NOTES

Date: 6/15/2007
Scale:
Project Number: 06018
Drawing Number: E0.1