

STREETLIGHT CIRCUIT CAPACITY - CIRCUIT A

PROPOSED SERVICE POINT CAPACITY = 60 AMP
 MAXIMUM ALLOWABLE DRAW (.80) X 60 AMPS* = 48
 EXISTING CIRCUIT LOAD = 0
 PROPOSED LUMINAIRE LOAD TO CIRCUIT
 (-) 100 WATTS @ 1.0 AMPS = 0.0
 (12) 250 WATTS @ 1.5 AMPS = 18
 (0) 400 WATTS @ 3.9 AMPS = 0
 TOTAL PROPOSED LOAD = 18
 EXISTING PLUS PROPOSED LOAD = 18
 REMAINING AVAILABLE LOAD = 30
 PROPOSED SERVICE POINT LOCATIONS:
 STA. 115+50.00 ON GRAND MONTECITO PARKWAY

**SERVICE POINT NOTE :
 ST. LT. CIRCUIT A**
 200 AMP 240V PAD MOUNT SERVICE
 WITH
 2 - 2 POLE 60 AMP CIRCUIT BREAKERS
 1 - 1 POLE 15 AMP CIRCUIT BREAKER
 1 - 1 POLE 40 AMP CIRCUIT BREAKER
 1 - 1 POLE 60 AMP CIRCUIT BREAKER
 2 - 2 POLE 60 AMP CONTACTORS
 1 - BY PASS SWITCH PER CONTACTOR

STREETLIGHT CIRCUIT CAPACITY - CIRCUIT B

PROPOSED SERVICE POINT CAPACITY = 60 AMP
 MAXIMUM ALLOWABLE DRAW (.80) X 60 AMPS* = 48
 EXISTING CIRCUIT LOAD = 0
 PROPOSED LUMINAIRE LOAD TO CIRCUIT
 (-) 100 WATTS @ 1.0 AMPS = 0.0
 (14) 250 WATTS @ 1.5 AMPS = 21
 (0) 400 WATTS @ 3.9 AMPS = 0
 TOTAL PROPOSED LOAD = 21
 EXISTING PLUS PROPOSED LOAD = 21
 REMAINING AVAILABLE LOAD = 27
 PROPOSED SERVICE POINT LOCATIONS:
 STA. 116+75.00 ON GRAND MONTECITO PARKWAY

**SERVICE POINT NOTE :
 ST. LT. CIRCUIT B**
 200 AMP 240V PAD MOUNT SERVICE
 WITH
 2 - 2 POLE 60 AMP CIRCUIT BREAKERS
 1 - 1 POLE 15 AMP CIRCUIT BREAKER
 1 - 1 POLE 40 AMP CIRCUIT BREAKER
 1 - 1 POLE 60 AMP CIRCUIT BREAKER
 2 - 2 POLE 60 AMP CONTACTORS
 1 - BY PASS SWITCH PER CONTACTOR

STREETLIGHT CIRCUIT CAPACITY - CIRCUIT C

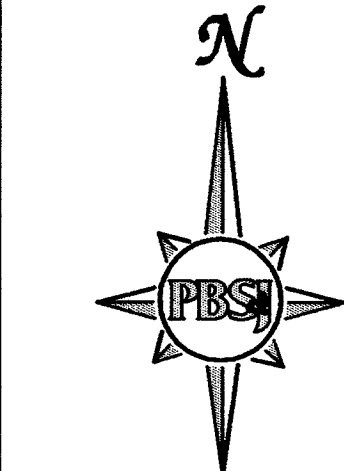
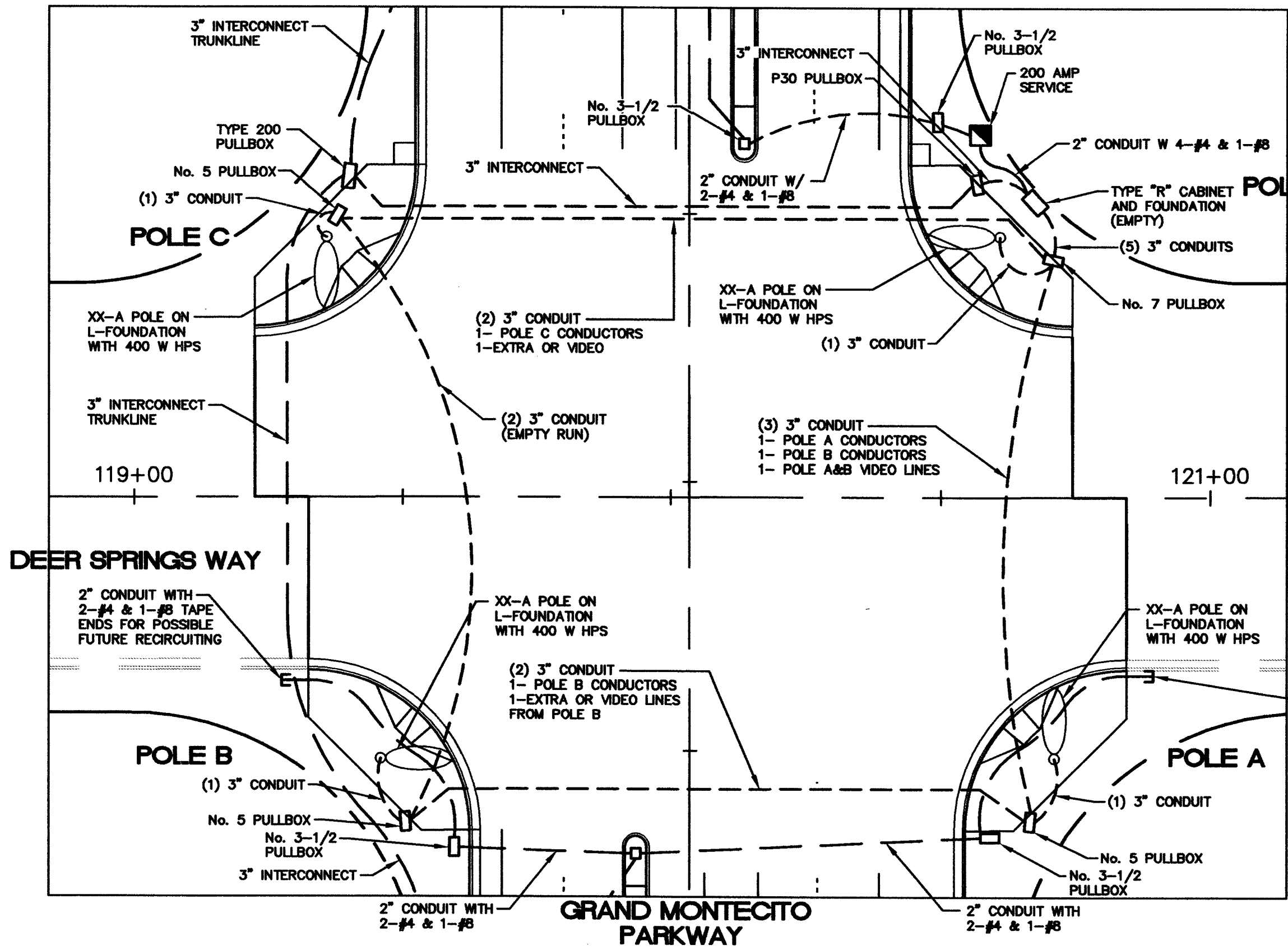
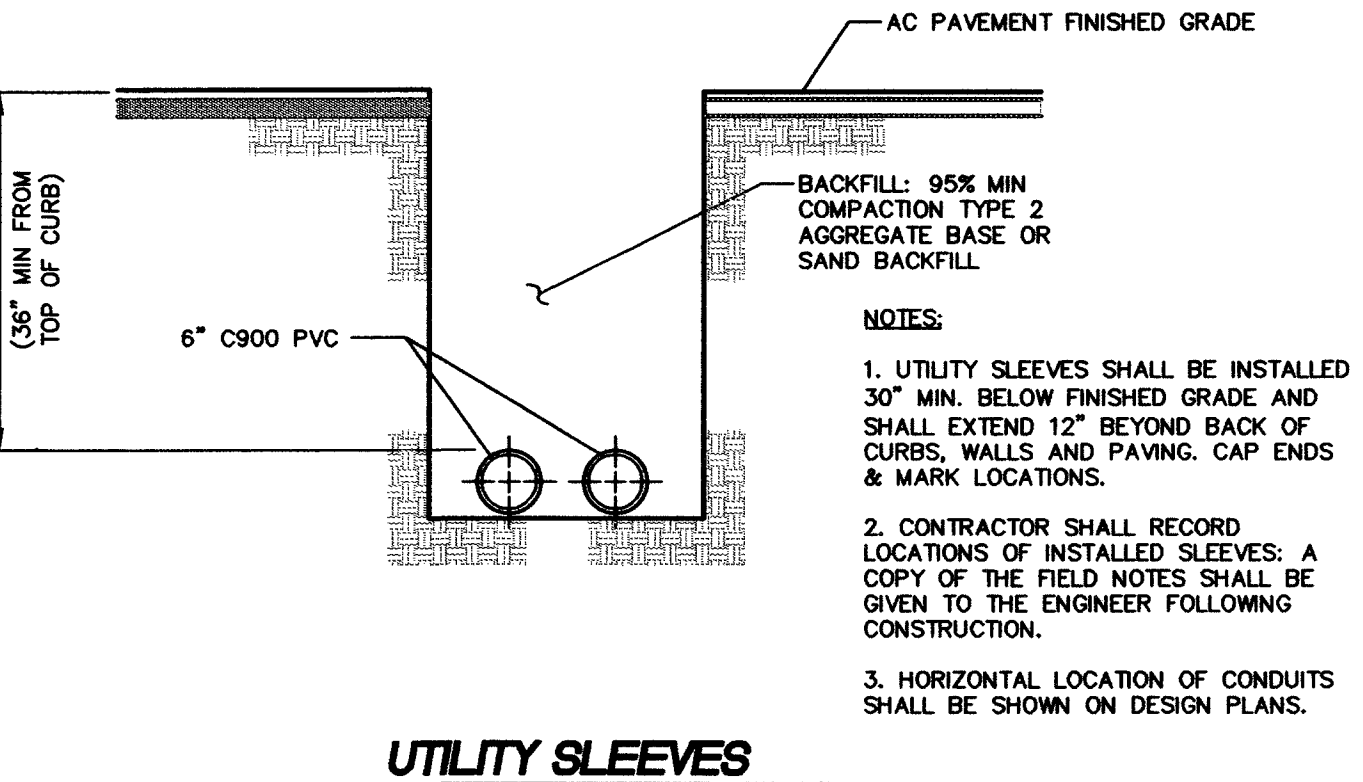
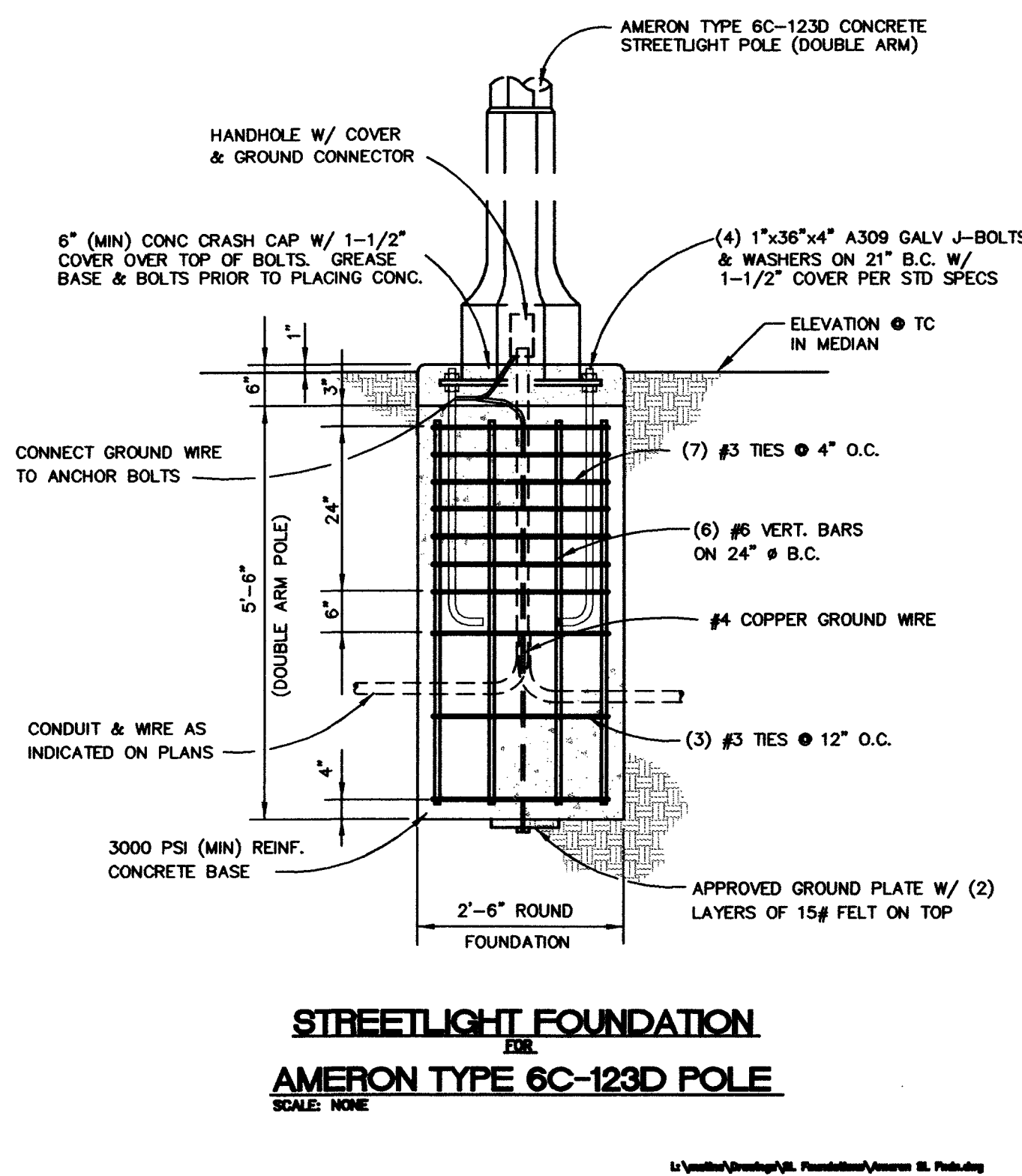
PROPOSED SERVICE POINT CAPACITY = 60 AMP
 MAXIMUM ALLOWABLE DRAW (.80) X 60 AMPS* = 48
 EXISTING CIRCUIT LOAD = 0
 PROPOSED LUMINAIRE LOAD TO CIRCUIT
 (-) 100 WATTS @ 1.0 AMPS = 0.0
 (18) 250 WATTS @ 1.5 AMPS = 27
 (4) 400 WATTS @ 3.9 AMPS = 15.6
 TOTAL PROPOSED LOAD = 42.6
 EXISTING PLUS PROPOSED LOAD = 42.6
 REMAINING AVAILABLE LOAD = 5.4
 PROPOSED SERVICE POINT LOCATIONS:
 STA. 128+60.00 ON GRAND MONTECITO PARKWAY

**SERVICE POINT NOTE :
 ST. LT. CIRCUIT C**
 200 AMP 240V PAD MOUNT SERVICE
 WITH
 2 - 2 POLE 60 AMP CIRCUIT BREAKERS
 1 - 1 POLE 15 AMP CIRCUIT BREAKER
 1 - 1 POLE 40 AMP CIRCUIT BREAKER
 1 - 1 POLE 60 AMP CIRCUIT BREAKER
 2 - 2 POLE 60 AMP CONTACTORS
 1 - BY PASS SWITCH PER CONTACTOR

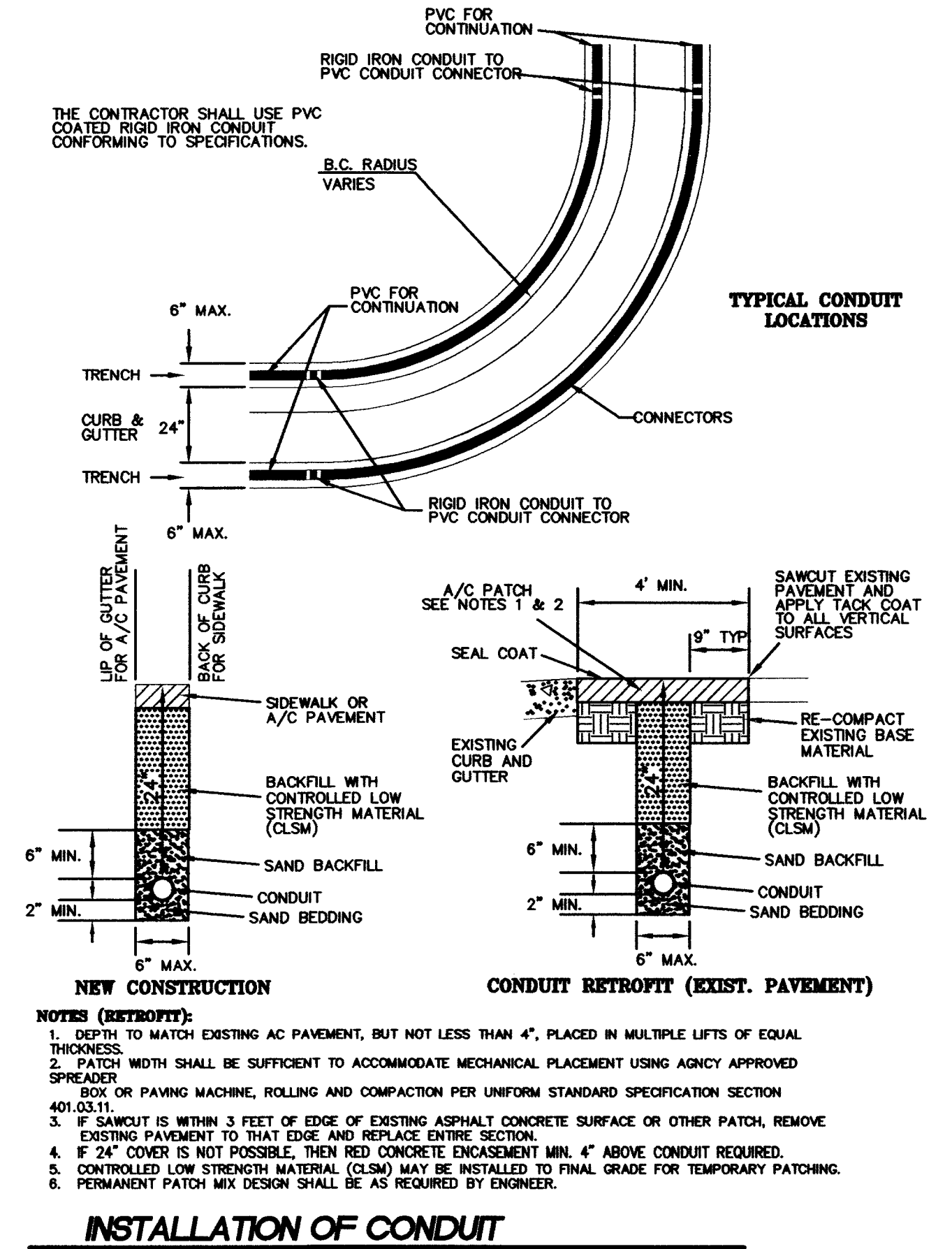
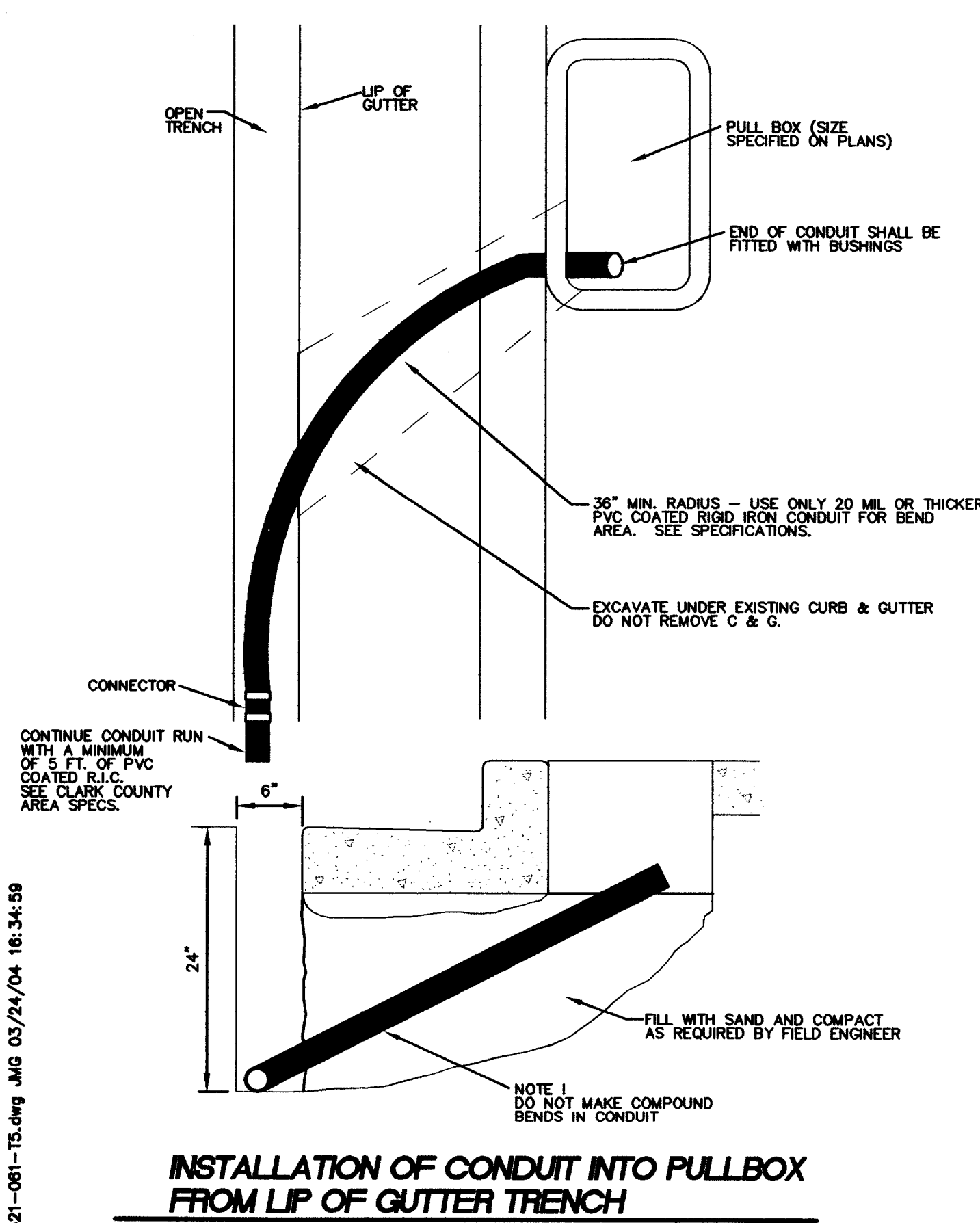
STREETLIGHT CIRCUIT CAPACITY - CIRCUIT D

PROPOSED SERVICE POINT CAPACITY = 60 AMP
 MAXIMUM ALLOWABLE DRAW (.80) X 60 AMPS* = 48
 EXISTING CIRCUIT LOAD = 0
 PROPOSED LUMINAIRE LOAD TO CIRCUIT
 (-) 100 WATTS @ 1.0 AMPS = 0.0
 (20) 250 WATTS @ 1.5 AMPS = 30
 (0) 400 WATTS @ 3.9 AMPS = 0
 TOTAL PROPOSED LOAD = 30
 EXISTING PLUS PROPOSED LOAD = 30
 REMAINING AVAILABLE LOAD = 18
 PROPOSED SERVICE POINT LOCATIONS:
 STA. 142+71.88 ON GRAND MONTECITO PARKWAY

**SERVICE POINT NOTE :
 ST. LT. CIRCUIT D**
 200 AMP 240V PAD MOUNT SERVICE
 WITH
 2 - 2 POLE 60 AMP CIRCUIT BREAKERS
 1 - 1 POLE 15 AMP CIRCUIT BREAKER
 1 - 1 POLE 40 AMP CIRCUIT BREAKER
 1 - 1 POLE 60 AMP CIRCUIT BREAKER
 2 - 2 POLE 60 AMP CONTACTORS
 1 - BY PASS SWITCH PER CONTACTOR



SIGNAL POLE NOTE:
 ALL NEW SIGNAL POLE LUMINAIRES
 ARE TO BE WIRED USING 2-#10 AND
 1-#8 ON A 120 VOLT CIRCUIT FROM
 NEW SERVICE WITH FUSE HOLDERS/
 SPLICE INSIDE THE NEW 'EMPTY' CABINET



Call before you Dig.
 1-702-455-7511
 1-702-229-6611

Call before you Dig.
 1-800-227-2600

Call before you Dig.
 1-702-227-2929

Department of Public Works

**GRAND MONTECITO PARKWAY IMPROVEMENTS
 SIGNING, STRIPING AND LIGHTING DETAILS**

ENGINEERING DESIGN SECTION

DESIGNED BY: J. GREGORY
 CHECKED BY: V. HARKINS
 DATE: 02-27-04

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PBS&J

ENGINEERING - PLANNING - SURVEYING - CONSTRUCTION SERVICES

REVISIONS

NO.	DATE	DESCRIPTION

CITY OF LAS VEGAS

NEVADA

DRAWING No. 61
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 PLAN# 107V3701

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