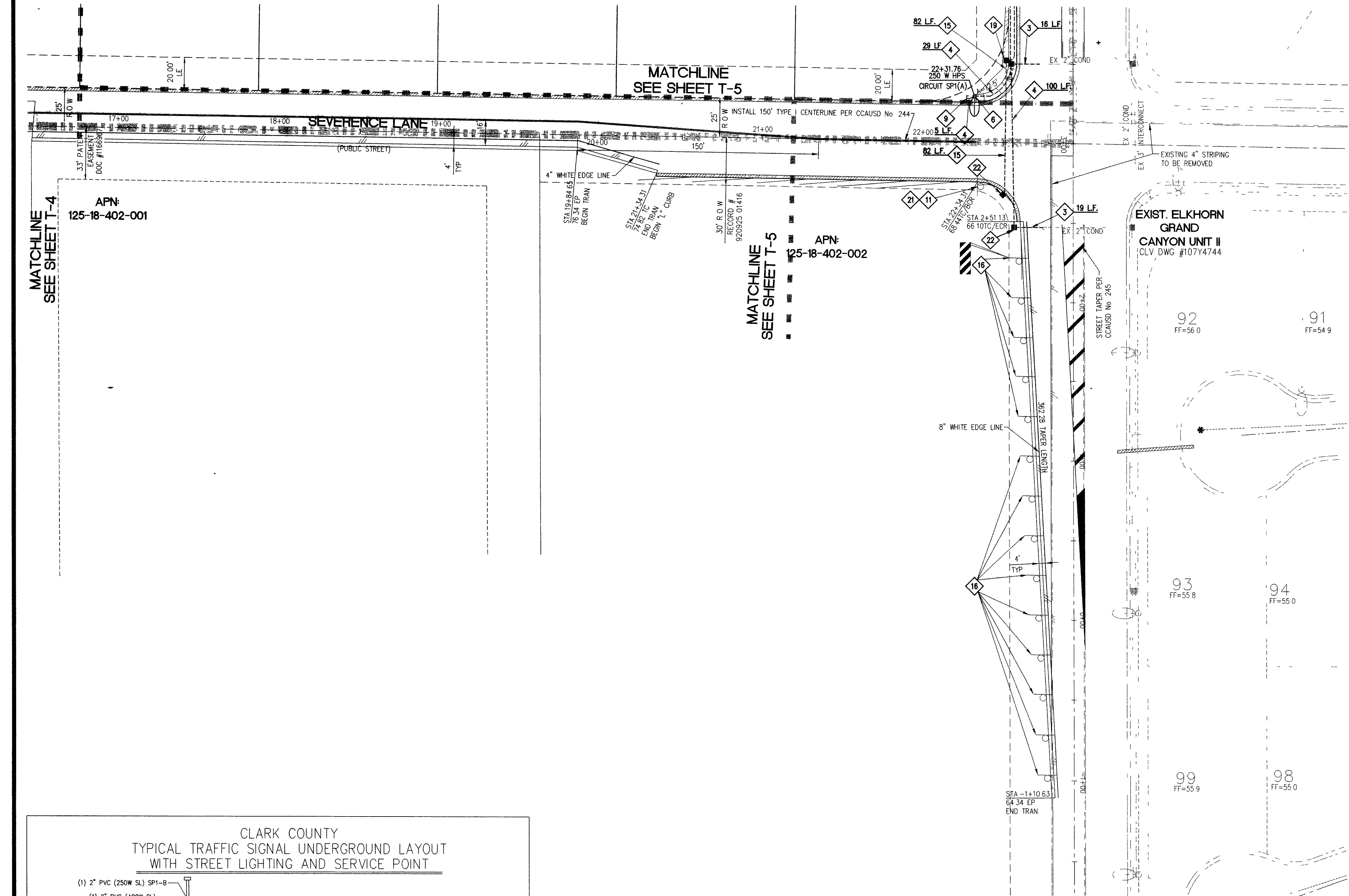
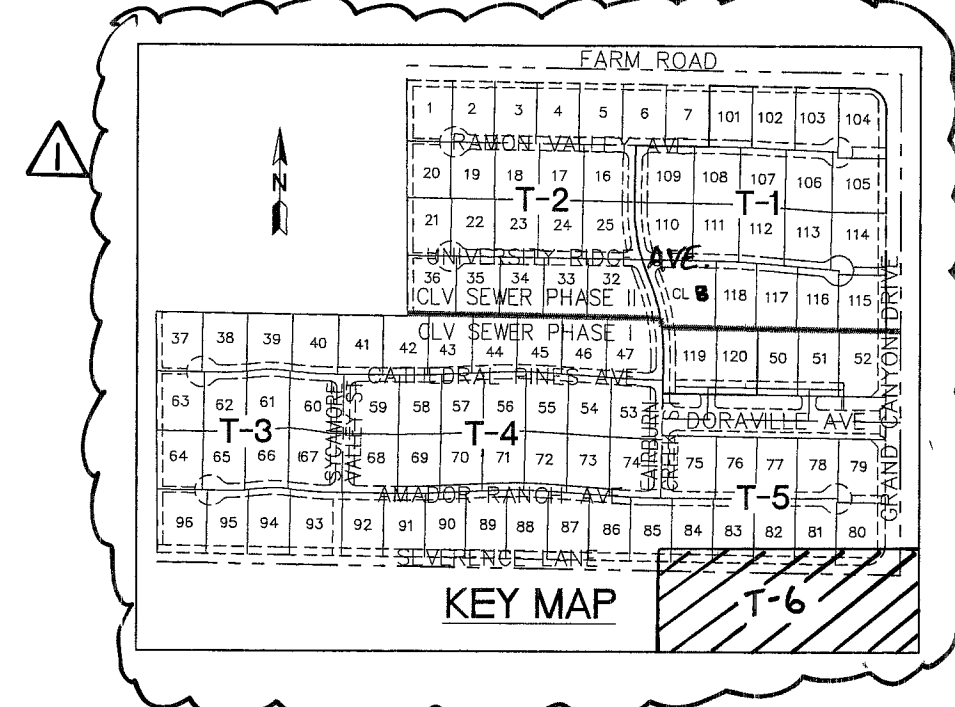




- ### STREETLIGHTING NOTES
- PROPOSED 1-1/4" CONDUIT ONLY
 - PROPOSED 1-1/4" CONDUIT CONTAINING 2-#4, 1#B GND [CIRCUIT SP2(A)], AVOIDING FIRE HYDRANT WERE NEEDED
 - CONNECT EXISTING CONDUIT TO PROPOSED WITHOUT CONNECTING CIRCUITS
 - PROPOSED 2" CONDUIT CONTAINING 2-#4, 1#B GND [CIRCUIT SP1(A)], AVOIDING FIRE HYDRANT WERE NEEDED
 - PROPOSED 100W HPS SINGLE STREETLIGHT ASSEMBLY AND FOUNDATION PER USD 314, 320 & 321 [CIRCUIT SP1(A)]
 - PROPOSED 250W HPS SINGLE STREETLIGHT ASSEMBLY AND FOUNDATION PER USD 314, 320 & 321 [CIRCUIT SP1(A)]
 - PROPOSED XX-A-30" POLE PER CC TRAFFIC SIGNAL LAYOUT DETAIL ON SHEET T-6 [CIRCUIT SP1(A)]
 - PROPOSED 100W HPS DECORATIVE LIGHTING POLE PER DETAIL (A/T-1) OR EQUIVALENT [CIRCUIT SP2(A)]
 - STUB OUT AND CAP 5 FT. PAST PROPERTY LINE WIRE OR GREEN CONDUCTOR
 - PROPOSED 3" FAST CONDUIT W/ (1) #8 BARE WIRE OR GREEN CONDUCTOR
 - INSTALL P-30 PULLBOX WITH "FIBER OPTIC" INSCRIBED ON THE LID PER CUSS 62303-01
- ### TRAFFIC NOTES
- INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKERS PER [97 UFC SEC. 901.4.3]
 - INSTALL R1-1 30"x30" STOP SIGN
 - INSTALL W14-2 "NO OUTLET" SIGN
 - INSTALL R7-1APR, "NO PARKING ANYTIME" SIGN
 - INSTALL 0-3 STREET NAME SIGN PER USD DWG NO. 250 & 251 (9", TWO PER POLE)
 - INSTALL 0M-3R EDGE SIGN (25" ON CENTER)
 - INSTALL BARRICADE AND END OF ROAD MARKERS PER COAUSS No. 601
 - INSTALL R2-1, 35 M.P.H. SPEED LIMIT SIGN
 - INSTALL W8-3, "PAVEMENT ENDS" SIGN
 - INSTALL 0-3 STREET NAME SIGN PER USD DWG NO. 250 & 251 (12", TWO PER POLE)
 - INSTALL TEMPORARY #3.5 PULL BOX

- ### ELECTRICAL NOTES
- ALL UNDERGROUND CONDUIT SHALL BE TYPE RMC (RIGID NONMETALLIC CONDUIT), SCHEDULE 40 PVC AND SHALL BE INSTALLED PER DETAIL THIS SHEET ABOVE GRADE CONDUIT SHALL BE TYPE RMC (RIGID METALLIC CONDUIT) CONDUIT RISERS SHALL BE TYPE RMC WITH PVC COATING OR TAPE WRAP. ALL CONDUIT WHICH WOULD OTHERWISE BE EMPTY SHALL INCLUDE A NYLON PULLSTRING AND 1#B FOR LOCATING PURPOSES
 - ALL CONDUCTOR SHALL BE STRANDED, 600V, TYPE THW INSULATED COPPER
 - THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL ELECTRICAL COMPONENTS AND HARDWARE AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, LATEST EDITION, AND SHALL COMPLY WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY HAVING JURISDICTION

- ### ELECTRICAL SERVICE NOTES
- SP1: 200 AMP, SINGLE PHASE, 3 WIRE, 120/240V PAD MOUNTED SERVICE PEDESTAL. FEEDER FROM N.P.CO. POINT OF CONNECTION TO BE 2" C, 2#4/0 THW, 1#4/0 WHITE THW (COPPER) TRANSFORMER TO SERVICE PEDESTAL. DISTANCES GREATER THAN 250 FEET FOR SPECIFIED CONDUCTORS MUST BE APPROVED BY ENGINEER. SERVICE PEDESTAL SHALL BE LOCATED A MINIMUM OF 30 FEET FROM THE TRANSFORMER. THE FOLLOWING SHALL BE INCLUDED IN THE SERVICE PEDESTAL:
- 60 AMP, 240V, 2-POLE CIRCUIT BREAKERS,
 - 60 AMP, 240V, 2-POLE LIGHTING CONTACTORS,
 - TEST SWITCHES (ONE FOR EACH CONTACTOR), PHOTOELECTRICAL CONTROL,
 - 15 AMP, 120V, SINGLE POLE CIRCUIT BREAKER FOR LIGHTING CONTROLS. CONTRACTOR TO PROVIDE (2) CONDUITS FROM SERVICE PEDESTAL TO FIRST STREETLIGHTING PULLBOX. SERVICE PEDESTAL SHALL COMPLY WITH CLARK COUNTY AREA UNIFORM STANDARD DRAWINGS 330, 331, 332.1 AND 335.1



Call before you Dig.

1-800-227-2600

UNDERGROUND SERVICE (USA)

Call before you Dig.

UnderGround

1-702-455-7511

1-702-229-6611

US 904 000 000000 0000

Avoid hitting overhead power lines. It's costly.

Call before you Dig.

1-800-227-2600

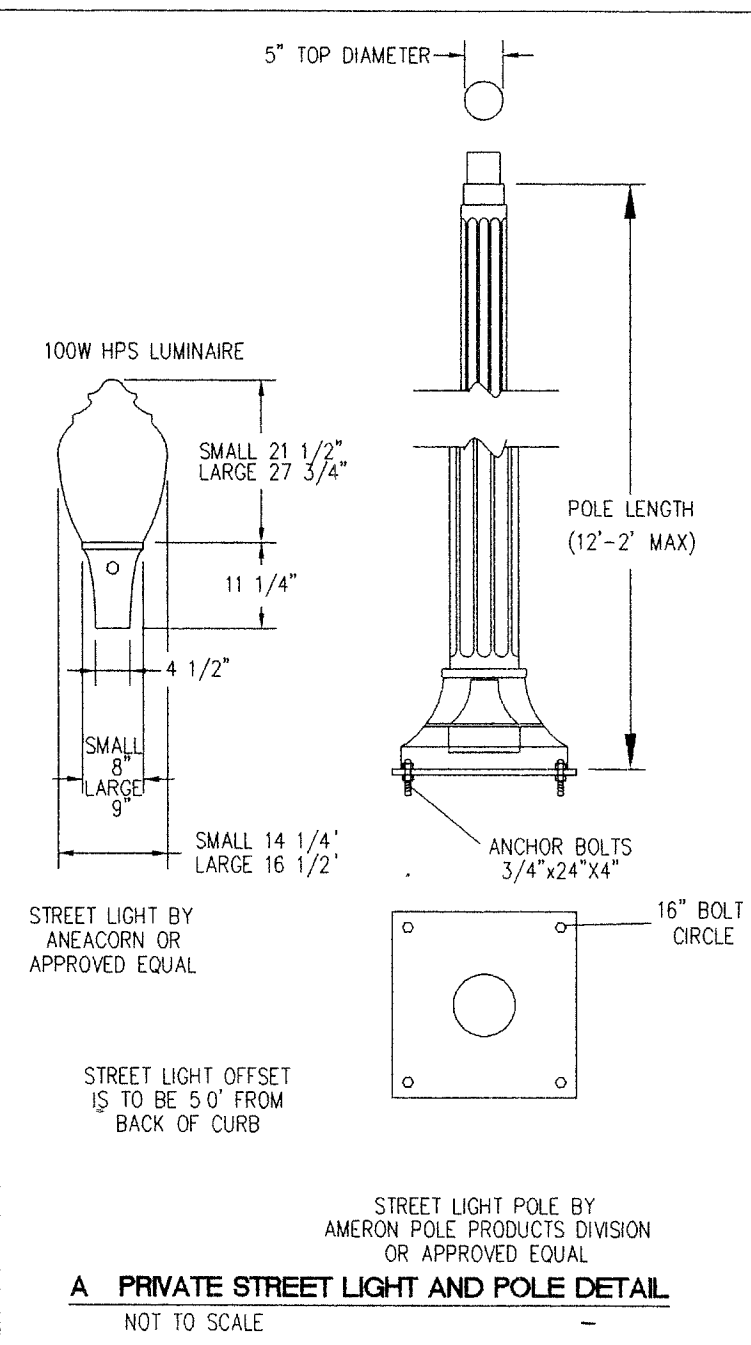
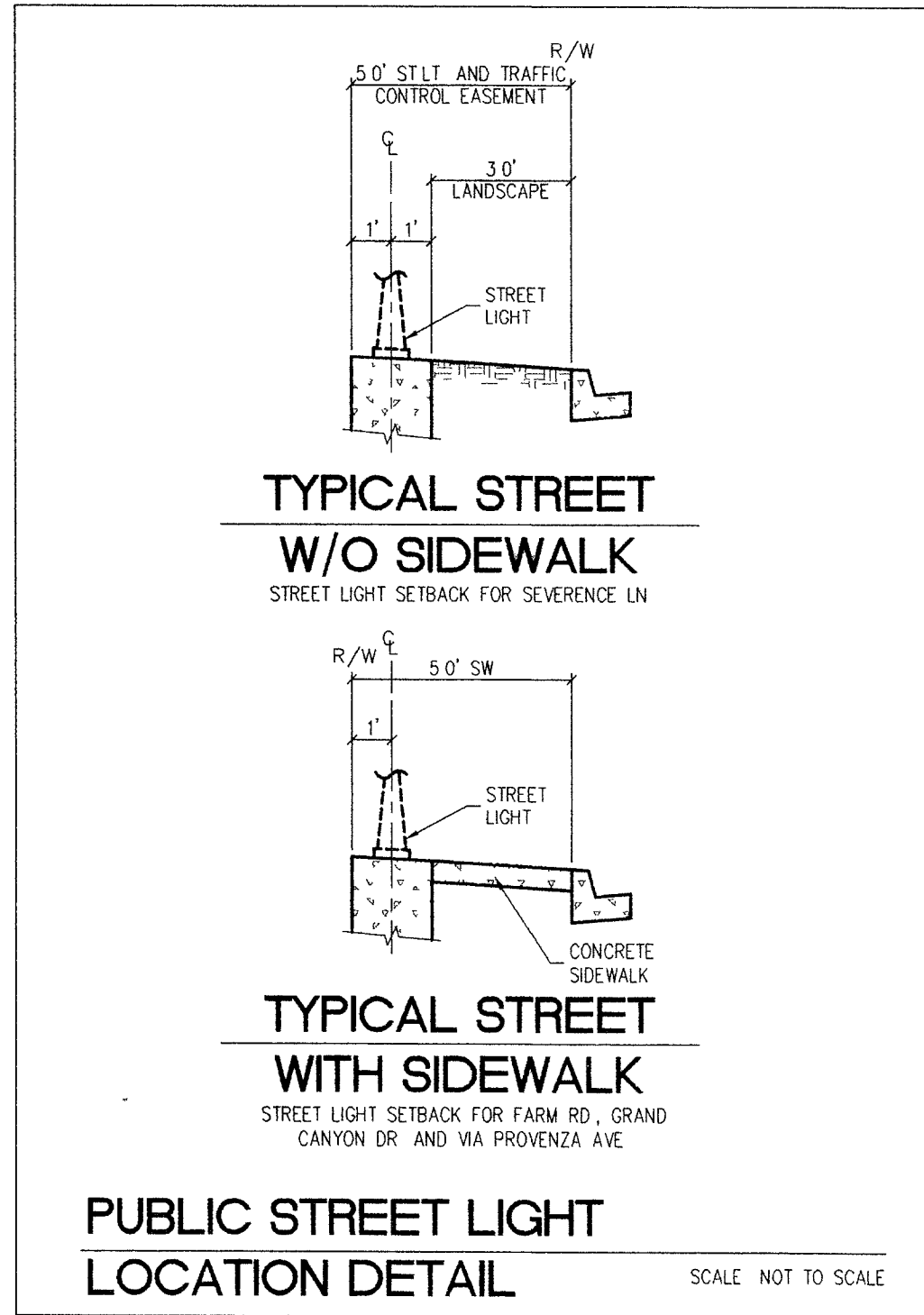
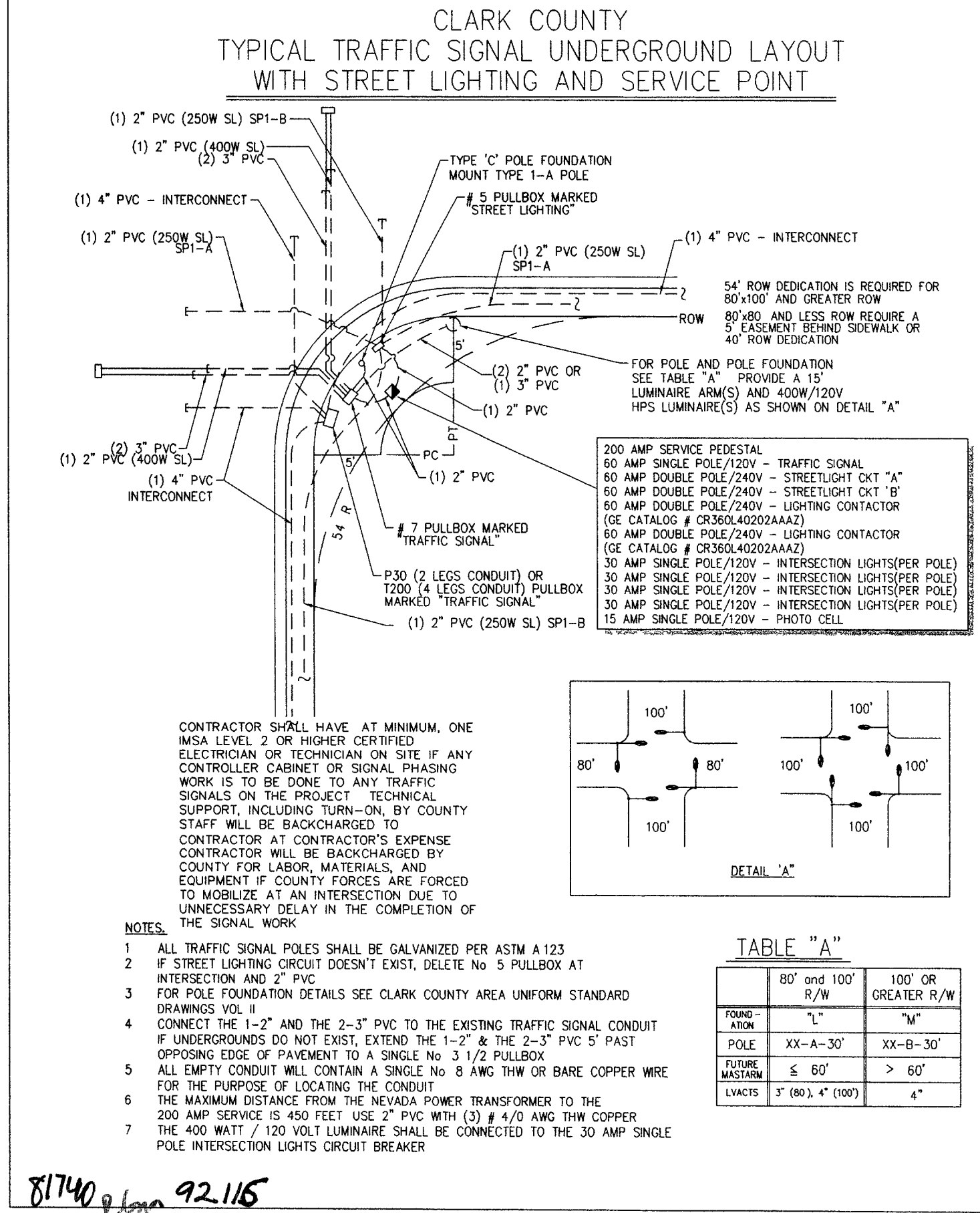
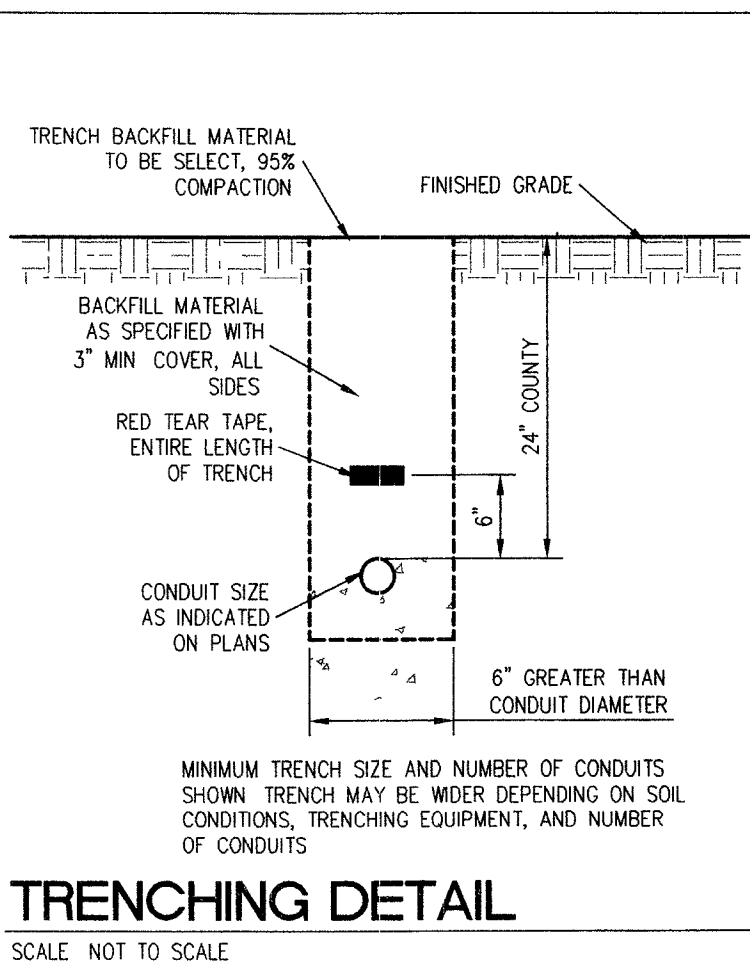
UNDERGROUND SERVICE (USA)

Avoid hitting overhead power lines. It's costly.

Call before you Dig.

OVERHEAD

1-702-227-2929



STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "SP1(A)" (PUBLIC)

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)

YES	CLARK COUNTY TRAFFIC OPERATIONS MUST VERIFY
NO	INSTALL A NEW PEDESTAL

SERVICE LOCATION: SW CORNER OF GRAND CANYON DR AND FARM RD

CLARK COUNTY TRAFFIC OPERATIONS

(COMPLETE IF EXISTING SERVICE)

NAME AND TITLE OF PERSON WHO DID FIELD TESTING: _____

I FIELD VERIFIED THIS ELECTRICAL SERVICE FOR CAPACITY (ONE MUST BE CIRCLED) YES NO

SIGNATURE: _____

ENGINEER OF THE OFFSITE PLANS

PERSON WHO DID THE CALCULATIONS: DAVID BENNETT

CONSULTING ENGINEERING FIRM: SLATER HANIFAN GROUP

CAPACITY CALCULATIONS

	60	AMPS
1. CIRCUIT CAPACITY	60	AMPS
2. MAXIMUM CONTINUOUS CURRENT DRAW (80%)	48	AMPS
3. EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)	0	AMPS
4. AVAILABLE (2 MINUS 3)	48	AMPS

PROPOSED LUMINAIRE LOAD TO CIRCUIT

	4	AMPS
5. 4. NUMBER OF 100 WATT STILTS @ 1.0 AMPS/EA	4	AMPS
6. 15. NUMBER OF 250 WATT STILTS @ 1.5 AMPS/EA	22.5	AMPS
7. TOTAL PROPOSED ADDITIONAL LOAD (5 + 6 + 7)	26.5	AMPS
8. REMAINING AVAILABLE LOAD (4 MINUS 7)	21.5	AMPS

STREETLIGHT CIRCUIT CAPACITY VERIFICATION FOR CIRCUIT "SP2(A)" (PRIVATE)

IS THERE AN EXISTING SERVICE PEDESTAL IN THE FIELD (NOT PROPOSED) ADJACENT TO THIS PROPERTY THAT MIGHT BE ABLE TO BE USED TO POWER THIS PROJECT'S STREETLIGHTS? (CIRCLE)

YES	CLARK COUNTY TRAFFIC OPERATIONS MUST VERIFY
NO	INSTALL A NEW PEDESTAL

SERVICE LOCATION: SW SIDE OF DANVILLE AVE, ENTRANCE GATE

CLARK COUNTY TRAFFIC OPERATIONS

(COMPLETE IF EXISTING SERVICE)

NAME AND TITLE OF PERSON WHO DID FIELD TESTING: _____

I FIELD VERIFIED THIS ELECTRICAL SERVICE FOR CAPACITY (ONE MUST BE CIRCLED) YES NO

SIGNATURE: _____

ENGINEER OF THE OFFSITE PLANS

PERSON WHO DID THE CALCULATIONS: DAVID BENNETT

CONSULTING ENGINEERING FIRM: SLATER HANIFAN GROUP

CAPACITY CALCULATIONS

	60	AMPS
1. CIRCUIT CAPACITY	60	AMPS
2. MAXIMUM CONTINUOUS CURRENT DRAW (80%)	48	AMPS
3. EXISTING CIRCUIT LOAD (ENTER 0 IF NEW)	0	AMPS
4. AVAILABLE (2 MINUS 3)	48	AMPS

PROPOSED LUMINAIRE LOAD TO CIRCUIT

	17	AMPS
5. 17. NUMBER OF 100 WATT STILTS @ 1.0 AMPS/EA	17	AMPS
6. 0. NUMBER OF 250 WATT STILTS @ 1.5 AMPS/EA	0	AMPS
7. 0. NUMBER OF 400 WATT STILTS @ 3.9 AMPS/EA	0	AMPS
8. TOTAL PROPOSED ADDITIONAL LOAD (5 + 6 + 7)	17	AMPS
9. REMAINING AVAILABLE LOAD (4 MINUS 7)	31.0	AMPS

SLATER HANIFAN GROUP

CONSULTING ENGINEERS & PLANNERS

5740 S. ARVILLE STREET #216, LAS VEGAS, NV 89118

PHONE (702) 284-5300 FAX (702) 284-5399

CLARK COUNTY, NEVADA

SECTION 18

TOWNSHIP 18 SOUTH

RANGE 60 EAST, M.D.M.

DATE: 07/07/05

DRAFTER: DMB

DESIGNER: DMB

CHECKED: TJS

PROJECT NO. PIN0402-001

1000 J. STEADHAM

CIVIL

Exp. 08/30/2008

15292

T-6

SHEET 13 OF 44

CLV DWG #207V930

CC HTE# 05-7995