

- ESTIMATED QUANTITIES SHOWN IN (PARENTHESES) AFTER EACH UNIT**
- ① 1-2" PVC, DB-60 GRADE (EST. 120')
  - ② 2-2" PVC, DB-60 GRADE (EST. 272')
  - ③ 2" RGS 36" 90° BENDS DOUBLE WRAPPED 10 MIL PVC TAPE. (2 EA.)
  - ④ PULL BOX (2'-6"x4'-0"x4'-0"). (1 EA.)
  - ⑤ TELEPHONE TERMINAL BACKBOARD 4'X8'X3/4". SEE LEGEND. (1 EA.)

NOTE FOR THIS PORTION: COORDINATION WITH CLV CONSTRUCTION MANAGEMENT IS REQUIRED PRIOR TO CONSTRUCTION. CALL CLV'S RUSTY COLEMAN AT 229-5375 AND 376-1931.

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.

APPROVED FOR CONSTRUCTION  
 THIS APPROVAL IS FOR WORK IN CLV R/W OR CLV EASEMENTS ONLY.  
 OBTAINING PERMISSIONS OR EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.

*David G. Hanna* 7/19/2011  
 APPROVAL DATE

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DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. CENTURYLINK ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

**LEGEND**

- PROPOSED CONDUIT
- - - EXISTING CONDUIT
- MANHOLE
- 400 PULL BOX 3'-0" x 3'-0" x 4'-0"
- 200 PULL BOX 2'-6" x 4'-0" x 4'-0"
- 30 PULL BOX 17" x 30" x 30"
- 16 HAND HOLE 9" x 14"
- ☒ TELEPHONE TERMINAL CABINET 48" x 48" x 6" (100 PARS)
- ☒ TELEPHONE TERMINAL CABINET 36" x 36" x 6" (25 to 50 PARS)
- ▨ 3/4" PLYWOOD BACKBOARD
- ⊕ 6 GROUND WIRE

P.V.C. - D.B. (DIRECT BURIAL) GRADE  
 D.B. 60 FOR 1", 2", & 3"  
 D.B. 100 FOR 4"  
 90° SWEEPS - 36" RADIUS FOR 1", 2", & 3"  
 48" RADIUS FOR 4"  
 SCHEDULE 40 PVC (TYPICAL) OR RIGID GALVANIZED STEEL WITH DOUBLE-WRAPPED TO MIL CORROSION PROTECTION TAPE. (AS SHOWN)

MANHOLE (SEE DRAWING FOR SIZE)

TELEPHONE PULL BOX WITH TWO (2) HINGED ALUMINUM TORSION-ASSISTED RATED LIDS MARKED "TELCO" GALVANIZED STEEL ADJUSTING FRAME AND 4-18 HOLE CABLE RACKS (2 EA. SIDE)

MANHOLE (SEE DRAWING FOR SIZE)

TELEPHONE TERMINAL CABINET (T.T.B.) - TREATED WITH FIRE RETARDANT PAINT OR SEALER. BACKBOARDS SMALLER THAN 4' x 8' (ie. 2' x 4' x 4") SHOULD BE MOUNTED 40" ABOVE THE FLOOR.

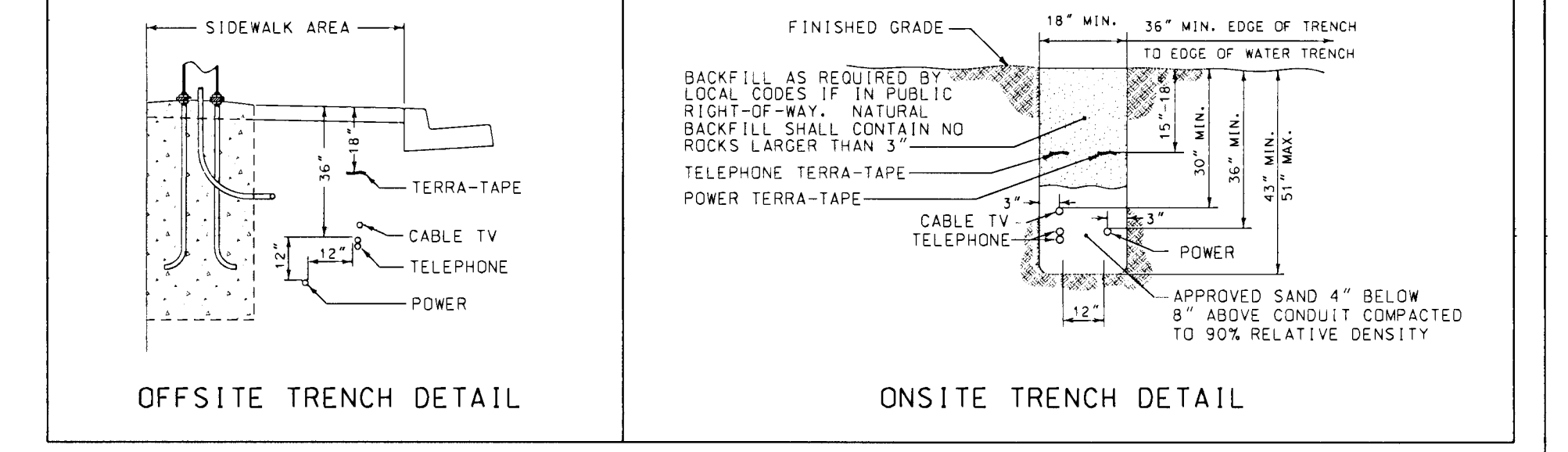
CONNECT TO THE APPROVED COMMUNICATION GROUNDING SOURCE AS DETERMINED BY THE ELECTRICAL ENGINEER FOR THIS BUILDING OR DEVELOPMENT.

**VICINITY MAP T 20S R 61E SEC: 21**

SELECT BACKFILL  
 FINISHED GRADE  
 CENTURYLINK MARKING TAPE  
 PVC CONDUIT  
 TRENCH SAND OR CONCRETE AS SPECIFIED PER JOB DRAWING.  
 CENTURYLINK owned conduit  
 2-4" Rigid Galvanized Steel, 48" radius riser bands with double wrap, 10 mil corrosion protective tape or 2-4" Sch. 40 PVC conduit, 1500 grit for 1500

**RISER DETAIL (TYPICAL)**

- CONSTRUCTION NOTES**
- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST ISSUE OF THE CENTURYLINK UNDERGROUND SPECIFICATIONS.
  - ALL CONDUIT, TRENCHING, BACKFILLING AND SUBSTRUCTURES ARE TO BE PROVIDED BY THE DEVELOPER AND CONFORM WITH CENTURYLINK STANDARDS UNLESS OTHERWISE SPECIFIED.
  - TRENCHING AND TELEPHONE SUBSTRUCTURES ARE TO BE PLACED IN THE SIDEWALK AREA WHENEVER POSSIBLE. ALL TRENCHING WILL BE OF A MINIMUM DEPTH TO MAINTAIN 36" OF COVER OVER UNDERGROUND TELEPHONE FACILITIES AND 12" MINIMUM SEPARATION FROM FOREIGN UTILITIES. NEW AND EXISTING BOXES WILL BE ESTABLISHED TO FINISHED GRADE.
  - ALL PULL BOXES (2'-6" x 4'-0" AND LARGER) AND MANHOLES ARE TO BE GROUNDED WITH A 3/8" x 1/8" TINNED SOFT COPPER BONDING RIBBON PLACED VERTICALLY AROUND THE BOTTOM OF THE BOX WITH 3' ENDS STUBBED INSIDE.
  - WHEN EXISTING TELEPHONE FACILITIES (ie. POLES, MANHOLES, PULL BOXES, CONDUIT, TERMINALS, etc.) ARE AFFECTED BY IMPROVEMENTS (REQUIRED BY LOCAL ORDINANCE SUCH AS STREET LIGHTS, SIDEWALK, CUTTERS, etc.) THE DEVELOPER SHALL BE RESPONSIBLE FOR THE ADJUSTMENT OF THESE FACILITIES AS REQUIRED.
  - PLYWOOD BACKBOARDS ARE TO BE TREATED WITH FIRE RETARDANT MATERIAL, PAINT, OR SEALER.
  - THE CONTRACTOR SHALL PROVIDE AND INSTALL A MEASURING TAPE CONSISTING OF A WATER PROOF, 400 POUND TENSILE STRENGTH, MARKED IN ONE FOOT OR LESS INCREMENTS IN AT LEAST ONE DUCT OF ALL CONDUIT SECTIONS. ALL OTHER DUCTS IN A MULTIPLE DUCT SYSTEM WILL HAVE A 3/32" INCH JET LINE PULL STRING WITH 400 POUND TENSILE STRENGTH.
  - THE CONTRACTOR SHALL PROVE AND MANDELL ALL CONDUIT AFTER BACKFILLING WHILE A CENTURYLINK INSPECTOR IS PRESENT. MANDELL SIZE IS TO BE 1/4" SMALLER THAN THE INSIDE DIAMETER OF THE CONDUIT.
  - IN ORDER TO INSURE ADEQUATE FACILITIES ARE PROVIDED FOR THIS PROJECT, IT IS IMPERATIVE THAT THE CONDUIT RECOMMENDATION NOT BE CHANGED WITHOUT CENTURYLINK OUTSIDE PLANT ENGINEERING APPROVAL.
  - CONCRETE ENCASUREMENT SHALL CONSIST OF 3/4" AGGREGATE, TYPE V, PORTLAND CEMENT CONCRETE. THE ENCASUREMENT SHALL BE A MINIMUM OF 2" BETWEEN THE CONDUIT AND A MINIMUM OF 3" ON THE TOP, BOTTOM AND SIDES OF THE DUCT BANK.
  - ALL TERMINALS, BACKBOARDS, CABINETS, ETC., SHALL BE EQUIPPED WITH A #6 GAUGE GROUND WIRE, RUN TO AN APPROVED GROUND SOURCE.
  - A POLYETHYLENE DUCT PLUG SHALL BE INSTALLED IN ALL CONDUIT WHERE TERMINATED OR STUBBED.
  - PROTECTIVE POSTS SHALL BE 4" RIGID STEEL PIPE, SIX FEET IN LENGTH, FILLED AND SET IN CONCRETE AT LOCATIONS SHOWN. THE TOP OF THE PROTECTIVE POST SHALL BE 36 INCHES ABOVE THE PROPOSED FINISHED GRADE AND PAINTED WITH YELLOW STREET MARKING PAINT.
  - IF EXISTING TERMINATORS ARE NOT UTILIZED TO JOIN SUBSTRUCTURES, CALL 244-7811 FOR CENTURYLINK INSPECTOR. 24 HOURS PRIOR TO PENETRATING ANY CENTURYLINK MANHOLE OR PULL BOX, THE ENTRANCE LOCATION IS VERY CRITICAL AND WILL BE DETERMINED AT THIS TIME. CORE DRILLING AND PROPER GROUTING IS MANDATORY. ENTERING THE SIDE OF A CENTURYLINK MANHOLE OR PULL BOX IS NOT PERMITTED UNLESS APPROVED BY CENTURYLINK.
  - ALL TELEPHONE BOXES WILL BE REQUIRED TO HAVE AN 8" x 8" CONCRETE COLLAR POURED AROUND THE TOP PORTION OF THE BOX PER CENTURYLINK STANDARDS, EXCEPT WHEN BOXES ARE TO BE LOCATED IN A CONCRETE SIDEWALK AREA.
  - CENTURYLINK WILL REQUIRE "AS-BUILT" FOOTAGES PRIOR TO ORDERING CABLE TO SERVE THIS DEVELOPMENT. THESE FOOTAGES MUST BE RECEIVED SIX WEEKS PRIOR TO SERVICE INSTALLATION DUE DATES.
  - CALL 244-7811 TO SCHEDULE CENTURYLINK INSPECTION 24 HOURS PRIOR TO STARTING ANY WORK.



- CONTRACTOR / DEVELOPER NOTE**
- THE DEVELOPER/CONTRACTOR SHALL CALL 244-7811 TO SCHEDULE INSPECTIONS 24 HOURS IN ADVANCE. REQUESTS RECEIVED AFTER 11:00 AM MAY NOT BE SCHEDULED FOR THE FOLLOWING WORKDAY.
  - ANY MODIFICATIONS TO THE CENTURYLINK DESIGN MUST BE APPROVED BY THE ENGINEER.
  - THESE PLANS WILL BE VALID FOR SIX MONTHS FROM DATE OF ISSUE.

<b>EASEMENT / PERMIT CERTIFICATION</b>	CITY OF LAS VEGAS	OWNER/CONTACT: RICH RIAL / STF
EASEMENT / PERMIT REQUIRED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	DEVELOPER/CONTRACTOR SHALL OBTAIN A CITY PERMIT BEFORE ANY EXCAVATION WORK WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY	TELEPHONE: 376-0527
EASEMENT / PERMIT OBTAINED: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	CENTURYLINK INSPECTOR WILL VERIFY CITY PERMIT FOR WORK DONE WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY	REVIEWED BY FACILITY ENGINEER: <i>Rich Rial</i> DATE: 7/19/11
DATE EASEMENT / PERMIT OBTAINED: _____	INSPECTOR: _____ DATE: _____	
ROW ENGINEER SIGNATURE: _____		
CENTURYLINK EASEMENT/PERMIT NUMBER: _____		
REMARKS: _____		

NO. REVISION ENGR. MGR. DATE

**811**  
 Know what's below. Call before you dig.

**CENTURYLINK PROPRIETARY**

CONSTRUCTION PERMIT REQUIRED BY CONTRACTOR

**CenturyLink**

TITLE: UNDERGROUND CONDUIT	DWG. NO.: S. PEREZ	SCALE: N/A	DATE: E.257868
REQUIREMENT FOR: 244-1352	PROJECT: MOUNT MARIAH DR	DATE: NORTH 8	
BY: S. GIFFORD	SCALE: 1" = 30'	DATE: 07/08/11	
DATE: 1799 MOUNT MARIAH DR			