





## GENERAL NOTES FOR T&S

- ALL CONSTRUCTION SHALL CONFORM TO THE NEVADA DIVISION OF CENTURYLINK SPECIFICATIONS. SEE LATEST ISSUE FOR THE INSTALLATION OF UNDERGROUND RESIDENTIAL DISTRIBUTION TELEPHONE SYSTEM.
- WHEN EXISTING TELEPHONE FACILITIES (POLES, MANHOLES, PULL BOXES, CONDUIT, TERMINALS, ETC.) ARE AFFECTED BY IMPROVEMENTS AS REQUIRED BY LOCAL ORDINANCE (I.E. STREETS, SIDEWALKS, GUTTERS, ETC.) THE DEVELOPER SHALL BE RESPONSIBLE FOR THE ADJUSTMENT OF THESE FACILITIES AS REQUIRED.
- TRENCHING, BACKFILLING AND RESTORATION WORK ARE TO BE PROVIDED BY THE DEVELOPER AND SHALL CONFORM TO THE REGIONAL TRANSPORTATION COMMISSION OF SOUTHERN NEVADA (RTC) UNIFORM STANDARD DRAWINGS.
- ALL SUBSTRUCTURE SHOWN AS CENTURYLINK'S RESPONSIBILITY WILL BE REIMBURSED BASED UPON THE STANDARD CONTRACTOR PRICE LIST. CONTRACTOR MUST CONTACT THE CENTURYLINK ENGINEER FOR CURRENT PRICING. PRIOR TO CONSTRUCTION, CONTRACTOR IS TO SUBMIT A PROPOSAL FOR THE IN-PLACE COST OF THE MATERIAL ITEMS. ONCE THE PRICE IS AGREED UPON, CENTURYLINK WILL PROVIDE THE CONTRACTOR A LETTER OF AUTHORIZATION (LOA) TO PROCEED. PAYMENT WILL BE BASED ON 'ACTUAL' MATERIAL PLACED. AN AS-BUILT WITH THE ADJUSTED INVOICE MUST BE SUBMITTED TO CENTURYLINK ENGINEERING DEPARTMENT BEFORE PAYMENT IS PROCESSED.
- ANY CONDUIT PLACED FOR THE DEVELOPER'S CONVENIENCE (I.E. STREET CROSSING, STUB-OUTS FOR FUTURE UNITS) WILL BE PLACED AT DEVELOPER'S EXPENSE.
- TELEPHONE BOXES ARE TO BE PLACED IN THE SIDEWALK AREA WHENEVER POSSIBLE AND SITUATED TO AVOID DRIVEWAYS. ALL TRENCHING WILL BE OF A MINIMUM DEPTH TO MAINTAIN 36" COVER FROM FINAL GRADES TO TOP OF PIPE (EXCEPT WHEN ENTERING TELEPHONE BOXES), MAINTAIN 12" MINIMUM SEPARATION FROM FOREIGN UTILITIES. BOXES WILL BE ESTABLISHED TO FINISH GRADE.
- TRENCH AND SUBSTRUCTURE TO A RESIDENCE MUST BE 18" FROM THE SIDE LOT LINE WITH A MINIMUM DEPTH TO MAINTAIN 30" COVER FROM FINISH GRADE AND 12" MINIMUM SEPARATION FROM FOREIGN UTILITIES.
- CABLE RACKS WILL BE INSTALLED IN ALL 2'-0" X 3'-0" PULL BOXES AND LARGER PER CENTURYLINK SPECIFICATIONS.
- ALL PULL BOXES (2'-0" X 3'-0" AND LARGER) AND MANHOLES ARE TO BE GROUNDED WITH 3/8" X 1/16" TINNED SOFT COPPER BONDING RIBBON PLACED VERTICALLY AROUND THE BOTTOM OF THE BOX WITH 3' ENDS STUBBED INSIDE.
- ALL 2.5' X 4' AND 3' X 5' PULL BOXES FOR DIRECT BURIED CABLE MUST BE INTERCEPT TYPE BOXES. BASE PORTION MUST BE SET PRIOR TO CABLE PULL. UPPER PORTION WILL BE PLACED AFTER CABLE PULL AND PRIOR TO SPLICING.
- IN SOME CASES, A PULL BOX MAY HAVE TO BE RELOCATED FROM THE POSITION SHOWN ON THE DRAWING DUE TO INTERFERENCES WITH OTHER UTILITIES SUCH AS STREET LIGHTS, ETC. IF SUCH RELOCATION IS REQUIRED, THE ENGINEER SHALL BE NOTIFIED PRIOR TO RELOCATION.
- ALL TELEPHONE BOXES NOT IN SIDEWALK AREAS WILL BE REQUIRED TO HAVE A PROTECTIVE CONCRETE COLLAR, RE-ENFORCED WITH REBAR, POURED AROUND THE TOP PORTION OF THE BOX PER CENTURYLINK SPECIFICATIONS.
- ALL PEDESTALS WILL BE PLACED NO CLOSER THAN 18" TO THE SIDE OF POWER TRANSFORMERS.
- WHEN JOINING EXISTING STUB-OUTS, THE LOCATION AND VALIDITY OF THE STUB-OUTS ARE ASSUMED AND BASED OFF RECORDS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING CONDUIT STUB-OUT. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE, PROVE AND PLACE PULL STRING IN THE EXISTING CONDUIT AS PART OF CONNECTING TO THE STUB FOR EXTENSION TO THIS PROJECT. IF THE CONDUIT CANNOT BE PROVED OR IS IDENTIFIED AS BEING DAMAGED THEN THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR THE DUCTS WHERE DAMAGED OR INSTALL NEW CONDUIT BACK TO THE EXISTING TRUE POINT OF RE-ENFORCEABLE SERVICE (I.E. MANHOLE OR PULL BOX) AT THE DEVELOPER'S EXPENSE.
- THE CONTRACTOR SHALL PROVE AND MANDREL ALL CONDUIT AFTER BACKFILLING WHILE A CENTURYLINK INSPECTOR IS PRESENT. MANDREL SIZE IS TO BE 1/4" SMALLER THAN THE INSIDE DIAMETER OF THE CONDUIT.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL A MEASURING TAPE CONSISTING OF 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" JET LINE PULL STRING WITH 400 POUND TENSILE STRENGTH.
- A POLYETHYLENE DUCT PLUG SHALL BE INSTALLED IN ALL CONDUIT WHERE TERMINATED OR STUBBED.
- WHEN DESIGNATED IN THE CONTRACT DRAWING(S) WITH A GROUNDED SYMBOL, THE DEVELOPER/ CONTRACTOR SHALL PROVIDE AND INSTALL A #6 AWG STRANDED COPPER WIRE WITH GREEN PVC INSULATION FROM A PULL BOX OR MANHOLE TO THE NEAREST POWER TRANSFORMER WHEN LOCATED WITHIN 50' OR LESS FROM THE SUBSTRUCTURE (EXCEPT 30 BOXES AND SMALLER, LEAVE A 4 FOOT TAILING END INSIDE THE SUBSTRUCTURE AND INCLUDE ALL CLAMPS NECESSARY TO FASTEN THE GROUNDING WIRE TO THE TRANSFORMER GROUND ROD OR COUNTERPOISE. THE GROUND WIRE SHALL ENTER THE SUBSTRUCTURE THROUGH THE 1" PVC GROUND SLEEVE.
- THE DEVELOPER SHALL PROVIDE A #6 COPPER GROUND WIRE FROM EACH TERMINAL CABINET, BACKBOARD AND/OR NETWORK INTERFACE DEVICE (NID) FOR A SINGLE FAMILY UNIT TO A COMMON GROUND WITH NV ENERGY PER THE NATIONAL ELECTRIC SAFETY CODE SPECIFICATIONS. ALL TERMINAL CABINETS WILL HAVE A 2" METAL RISER.
- IN ORDER TO INSURE ADEQUATE FACILITIES ARE PROVIDED FOR THIS PROJECT, IT IS IMPERATIVE THAT THIS TRENCH AND SUBSTRUCTURE DESIGN NOT BE CHANGED WITHOUT CENTURYLINK OUTSIDE PLANT ENGINEERING APPROVAL.
- CALL 702-244-7811 TO SCHEDULE INSPECTIONS 24 HOURS IN ADVANCE. REQUESTS RECEIVED AFTER 11:00AM MAY NOT BE SCHEDULED FOR THE FOLLOWING WORK DAY. ALLOW 48 HOURS ADVANCE NOTICE FOR DIRECT BURIED CABLE INSTALLATIONS IN OPEN TRENCH SECTIONS. THE 48 HOURS BEGINS AFTER THE CENTURYLINK INSPECTOR APPROVES THE OPEN TRENCH.

### FIBER TO THE PREMISE - MINIMUM INSIDE WIRING STANDARDS FOR CUSTOMER OWNED PREMISE WIRE (COPW)

SEPARATE CAT-3 OR CAT-5 CABLE FOR VOICE  
SEPARATE CAT 5E CABLE FOR DATA

MAXIMUM LENGTH BETWEEN THE ELECTRONICS AND DEMARC IS 328 FT.

ALL COPW OR INSIDE WIRE SHALL BE BROUGHT TO A CENTRAL LOCATION OR SMART PANEL EQUIPPED WITH A #6 GROUND WIRE TO AN MGN AND DEDICATED AC OUTLET IN EACH LIVING UNIT. THEN ONE CAT-3 AND ONE CAT-5 FOR DATA, VOICE AND FUTURE TECHNOLOGY FROM THE SMART PANEL TO THE DEMARC LOCATION. THE DEMARC LOCATION WILL ALSO REQUIRE A #6 GROUND WIRE TO AN MGN AND A DEDICATED 20 AMP AC OUTLET.

IF ANY QUESTIONS, PLEASE CONTACT THE ENGINEER OR INSPECTOR.

#### APPROVED FOR CONSTRUCTION:

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

THIS PROJECT HAS BEEN DESIGNED AS JOINT TRENCH WITH NV ENERGY PER THE LATEST NV ENERGY PLAN.

*[Signature]*

4/1/18

CITY OF LAS VEGAS APPROVAL

DATE

L 11-00960-0001

10/1/2018-UTL

ANY MODIFICATIONS TO THE CENTURYLINK DESIGN MUST BE APPROVED BY THE ENGINEER.

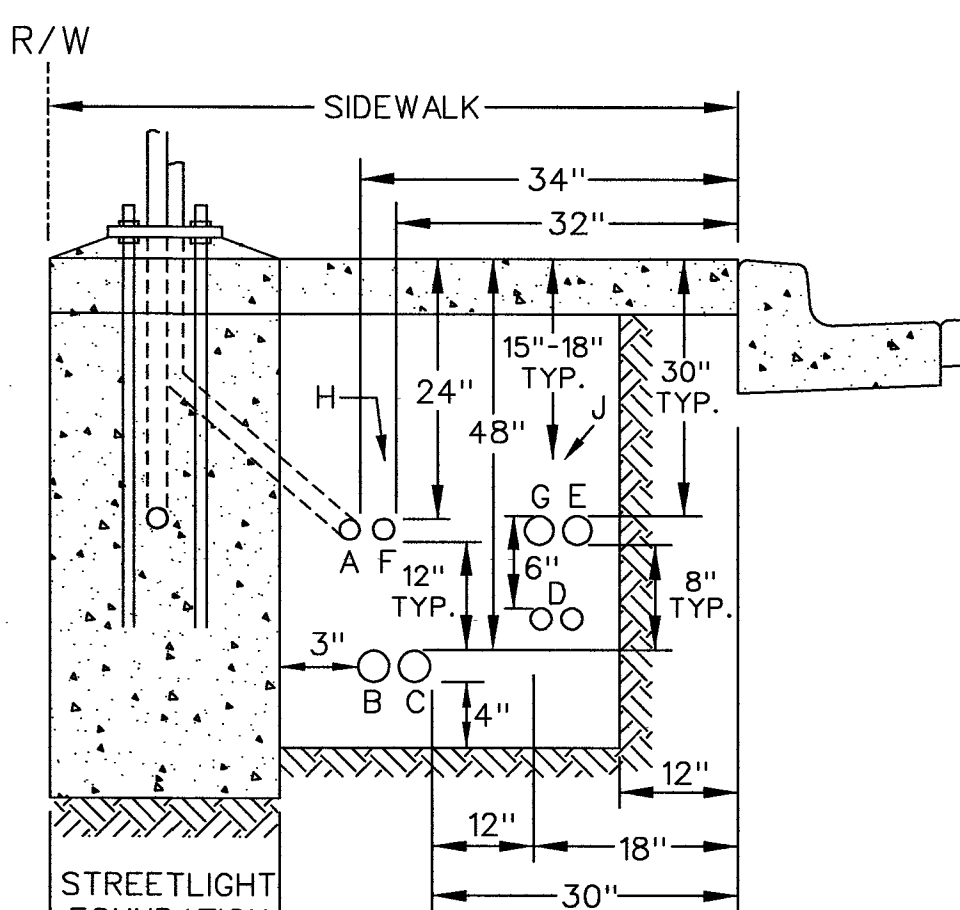
ENGINEER: LORI JOHNSON

TEL #: 702-244-7899

THESE PLANS WILL BE VALID FOR ONLY SIX MONTHS FROM THE DATE OF ISSUE

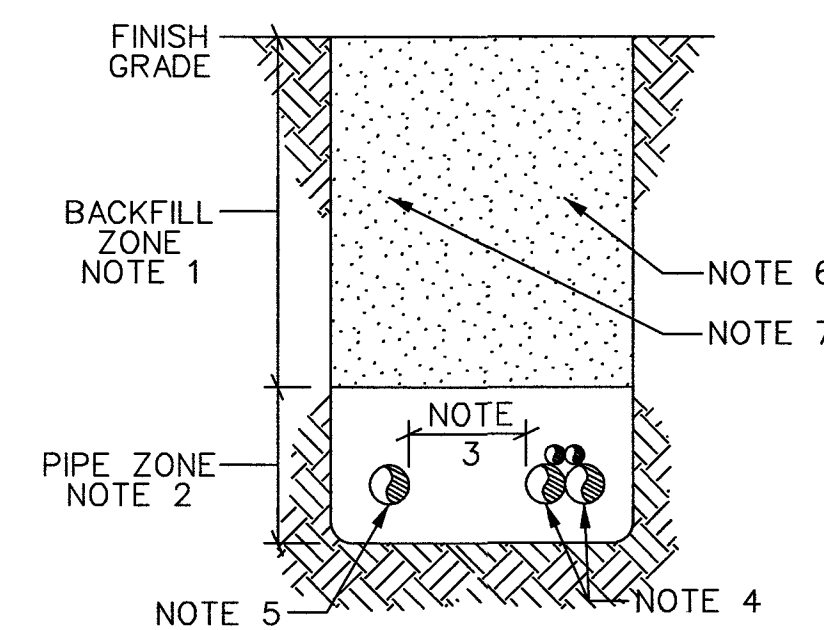
- ### RTC SOUTHERN NEVADA NOTES:
- FOR ASPHALT CUT AND RESTORATION REQUIREMENTS, SEE RTC UNIFORM STANDARD DRAWING SERIES 500.1, 500.2, 500.3, 500.4 AND 500.5
  - FOR SIDEWALK REMOVAL AND REPLACEMENT REQUIREMENTS SEE RTC UNIFORM STANDARD DRAWING 234
  - FOR TYPICAL U.G. UTILITY LOCATIONS UNDER STREETS AND SIDEWALKS, SEE RTC UNIFORM STANDARD DRAWINGS 501 AND 501.1
  - FOR BACKFILL REQUIREMENTS SEE RTC STANDARD DRAWING SEE RTC UNIFORM STANDARD DRAWING 503.1
  - SEE COMPLETE RTC UNIFORM STANDARD DRAWINGS FOR FURTHER AGENCY REQUIREMENTS

### TYPICAL UNDERGROUND UTILITY LOCATIONS RESIDENTIAL STREETS 60' R/W OR LESS PER R.T.C. U.S.D. #501



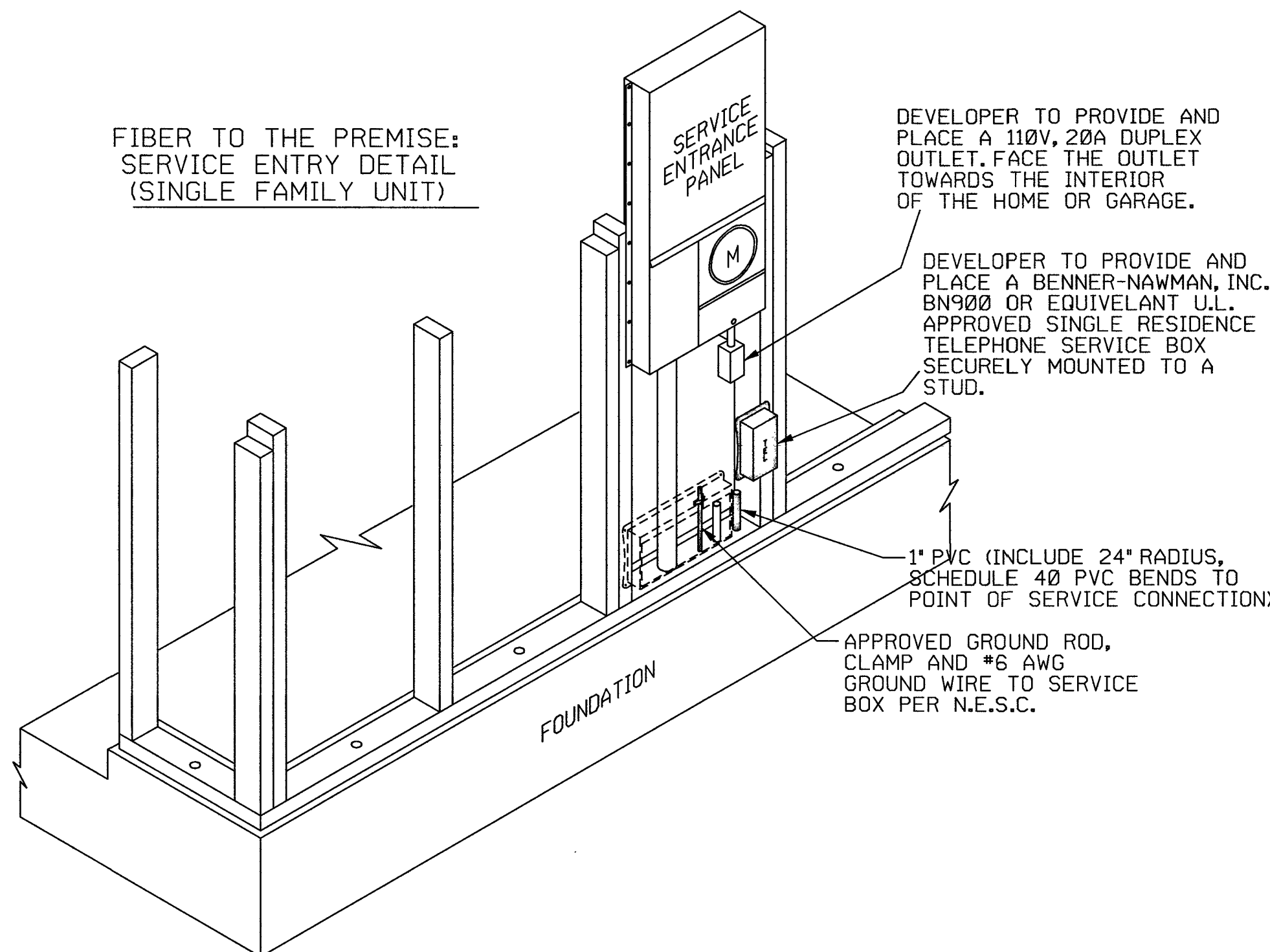
- A. STREETLIGHT CONDUIT  
B. POWER COMPANY SECONDARY  
C. POWER COMPANY PRIMARY  
D. TELEPHONE CONDUITS  
E. CABLE T.V. CONDUIT  
F. TRAFFIC SIGNAL CONDUIT  
G. OTHER COMMUNICATIONS CONDUIT  
H. POWER MARKING TAPE  
J. TELEPHONE MARKING TAPE

### PIPE ZONE REQUIREMENTS



- BACKFILL PER RTC USD 503.1; NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH.
- APPROVED SAND 4" BELOW, 3" ON SIDES AND 8" ABOVE CONDUIT, COMPACTED TO 95% RELATIVE DENSITY.
- PER NESC: MINIMUM 12" OF WELL TAMPED EARTH OR 3" OF CONCRETE SEPARATION BETWEEN COMMUNICATIONS AND HIGH VOLTAGE ELECTRIC.
- 1", 2" AND/OR 4" TELEPHONE CONDUIT (COMBINATION OF SIZES AND QTY. VARY)
- POWER CONDUIT (COMBINATION OF SIZES AND QTY. VARY)
- TELEPHONE MARKING TAPE 15"-18" BELOW GRADE
- POWER MARKING TAPE 15"-18" BELOW GRADE

### FIBER TO THE PREMISE: SERVICE ENTRY DETAIL (SINGLE FAMILY UNIT)



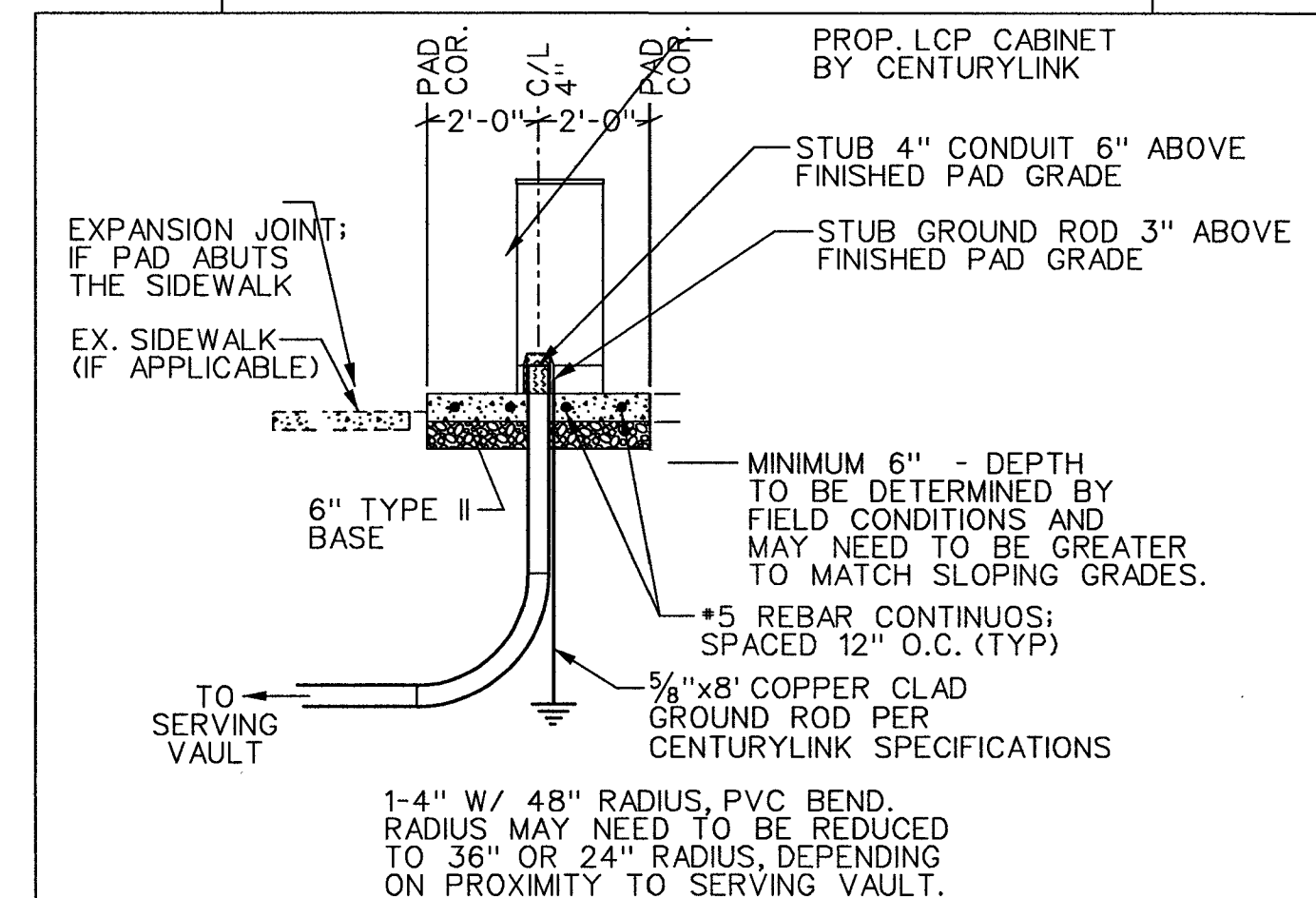
DEVELOPER TO PROVIDE AND PLACE A 110V, 20A DUPLEX OUTLET, FACE THE OUTLET TOWARDS THE INTERIOR OF THE HOME OR GARAGE.

DEVELOPER TO PROVIDE AND PLACE A BENNER-NAWMAN, INC. BN900 OR EQUIVALENT U.L. APPROVED SINGLE RESIDENCE TELEPHONE SERVICE BOX SECURELY MOUNTED TO A STUD.

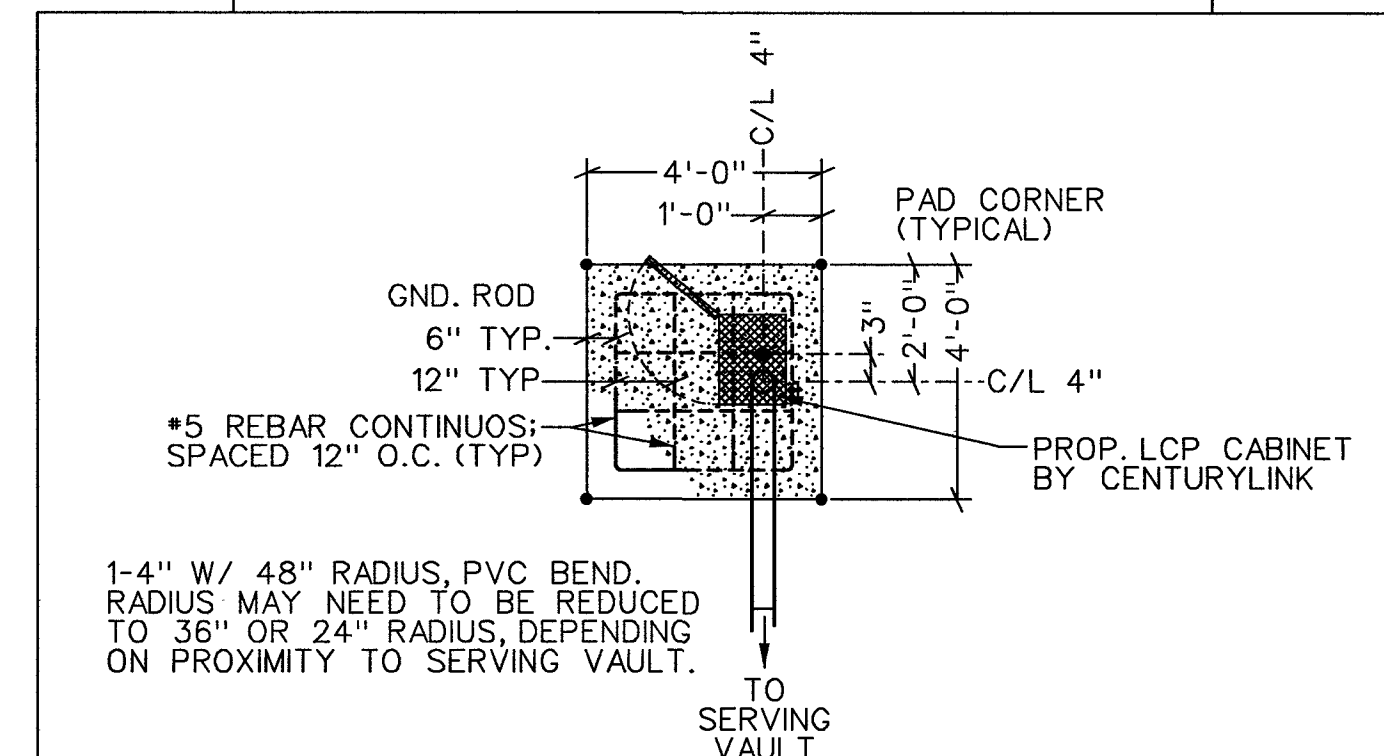
1" PVC (INCLUDE 24" RADIUS, SCHEDULE 40 PVC BENDS TO POINT OF SERVICE CONNECTION)  
APPROVED GROUND ROD, CLAMP AND #6 AWG GROUND WIRE TO SERVICE BOX PER N.E.S.C.

| EXISTING | PROPOSED | T & S LEGEND                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |          | MANHOLE - INCLUDE REQUIRED GRADE RINGS, RACKING, GROUNDING, STEP RUNGS AND LADDER - REFER TO DRAWING FOR SIZE                                                                                                                                                                                                                                                                                                                                  |
|          |          | 400 PULL BOX (3'0" X 5'0" X 4'0" I.D.) - WITH TWO (2) HINGED ALUMINUM TORSION-ASSISTED TRAFFIC RATED LIDS MARKED 'TELCO', GALVANIZED STEEL ADJUSTING FRAME, AND FOUR (4) 18 HOLE CABLE RACKS (2 EA. SIDE).                                                                                                                                                                                                                                     |
|          |          | 200 PULL BOX (2'6" X 4'0" X 4'0" I.D.) - WITH TWO (2) H-20-44 LOADING, HOT DIP GALVANIZED BOLT DOWN BEAM & PLATE TRAFFIC COVERS MARKED 'TELCO' AND FOUR (4) 18 HOLE CABLE RACKS (2 EACH SIDE).                                                                                                                                                                                                                                                 |
|          |          | 100 PULL BOX (2'0" X 3'0" X 3'0" I.D.) - WITH TWO (2) H-20-44 LOADING, HOT DIP GALVANIZED BOLT DOWN BEAM & PLATE TRAFFIC COVERS MARKED 'TELCO' AND 2 - 18 HOLE CABLE RACKS ON ONE SIDE OF PULL BOX.                                                                                                                                                                                                                                            |
|          |          | 30 PULL BOX (1'7" X 3'0" X 3'0" I.D.) - CONDUIT PROJECTS = P.C.C. TYPE PULL BOX (ES-30 or T-30CC) DIRECT BURIED PROJECTS = POLYMER TYPE PULL BOX (P-30 or T-30 POLY)                                                                                                                                                                                                                                                                           |
|          |          | 16 HAND HOLE (9' X 15' X 12' I.D.)                                                                                                                                                                                                                                                                                                                                                                                                             |
|          |          | PROPOSED GROUND ATTACHMENT AT POWER TRANSFORMER.                                                                                                                                                                                                                                                                                                                                                                                               |
|          |          | PROPOSED CENTURYLINK FIBER SPLITTER CABINET.                                                                                                                                                                                                                                                                                                                                                                                                   |
|          |          | PROPOSED BACKBONE CONDUIT: 90° RADIAL BENDS: 24" RADIUS FOR 1" P.V.C. - D.B. (DIRECT BURIAL) GRADE 36" RADIUS FOR 2" D.B. 60" FOR 1", 2", & 3" D.B. 100" FOR 4"                                                                                                                                                                                                                                                                                |
|          |          | PROPOSED 1" SERVICE CONDUIT (number indicates amount of 1" conduit in each section of trench)                                                                                                                                                                                                                                                                                                                                                  |
|          |          | EXISTING CONDUIT                                                                                                                                                                                                                                                                                                                                                                                                                               |
|          |          | PROPOSED TRENCH ROUTE (DIRECT BURIED PROJECTS)                                                                                                                                                                                                                                                                                                                                                                                                 |
|          |          | TERMINAL CABINET 48" X 48" X 6" or 8"                                                                                                                                                                                                                                                                                                                                                                                                          |
|          |          | TERMINAL CABINET 36" X 36" X 6" or 8"                                                                                                                                                                                                                                                                                                                                                                                                          |
|          |          | UNDERWRITER LABORATORY APPROVED, RAIN-TIGHT WITH A NON-LOCKING, SIDE-HINGED DOOR, EQUIPPED INSIDE WITH A 3/4" PLYWOOD BACKBOARD (1" SMALLER ON ALL SIDES, CENTERED IN CABINET) SECURED WITH RECESSED MOUNTING HARDWARE AND A #6 GROUND WIRE CONNECTED TO THE APPROVED COMMUNICATION GROUNDING SOURCE AS DETERMINED BY THE ELECTRICAL ENGINEER FOR THIS BUILDING OR DEVELOPMENT. MOUNT CABINET AT EYE LEVEL A MINIMUM OF 48" ABOVE FINISH GRADE |
|          |          | TELEPHONE TERMINAL BACKBOARD (T.T.B.) - 3/4" PLYWOOD BACKBOARD TREATED WITH FIRE RETARDANT PAINT OR SEALER AND A #6 GROUND WIRE CONNECTED TO THE APPROVED COMMUNICATION GROUNDING SOURCE AS DETERMINED BY THE ELECTRICAL ENGINEER FOR THIS BUILDING OR DEVELOPMENT. BACKBOARDS SMALLER THAN 4' X 8' (i.e. 2' X 2' & 4' X 4') SHOULD BE MOUNTED 40" ABOVE THE FLOOR.                                                                            |

### PROFILE VIEW - 4'x4'x6" LCP PAD



### PLAN VIEW - 4'x4'x6" LCP PAD N.T.S.



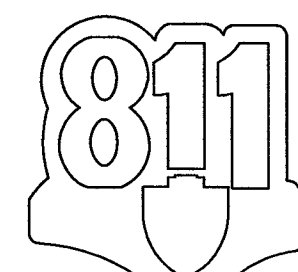
PROJECT NAME: ELKHORN AND GRAND CANYON SUBDIVISION  
GRAND CANYON DR & ELKHORN RD

COVER SHEET for  
RESIDENTIAL TRENCH & SUBSTRUCTURE  
COPPER DESIGN SUBDIVISION  
CLARK COUNTY AREAS

W.O. N.308172  
ENGINEER: LORI JOHNSON  
DATE: 04/03/2018

SHT. NO. 1 of 2

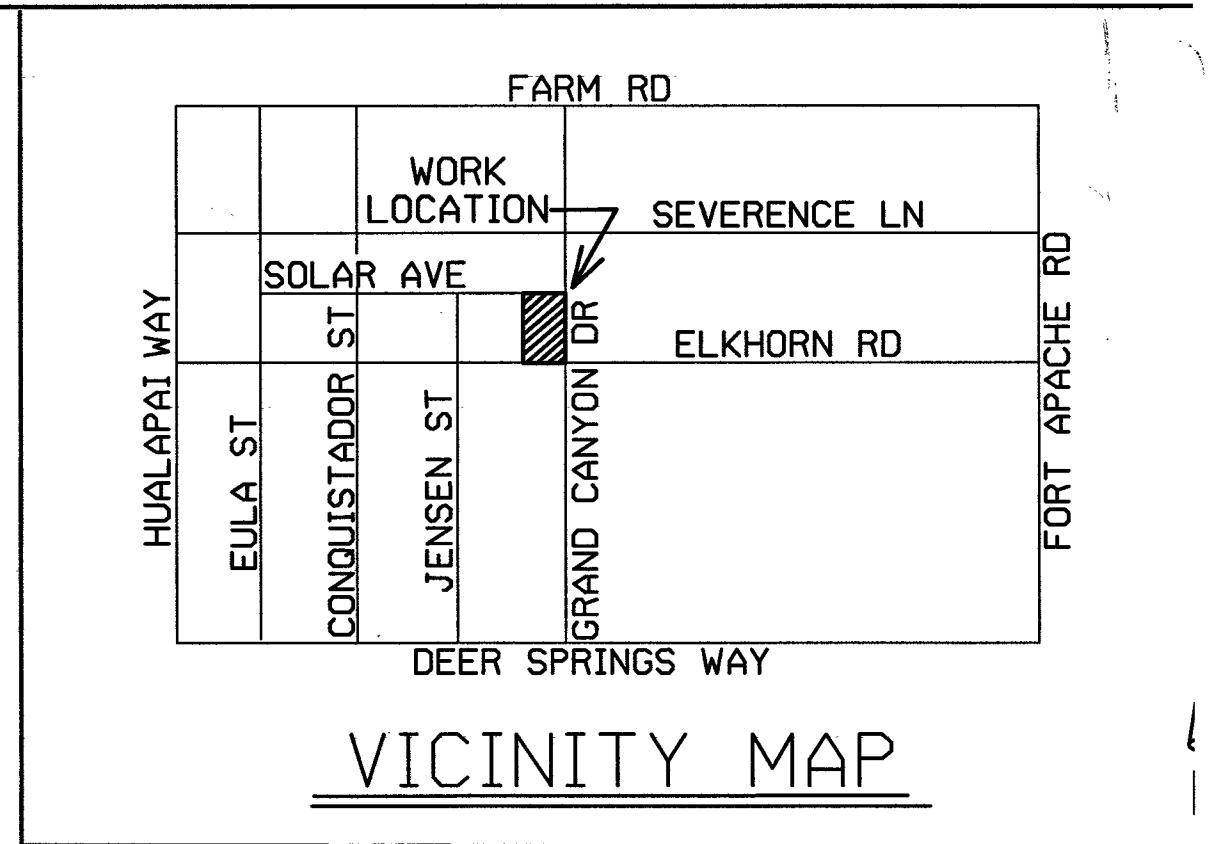
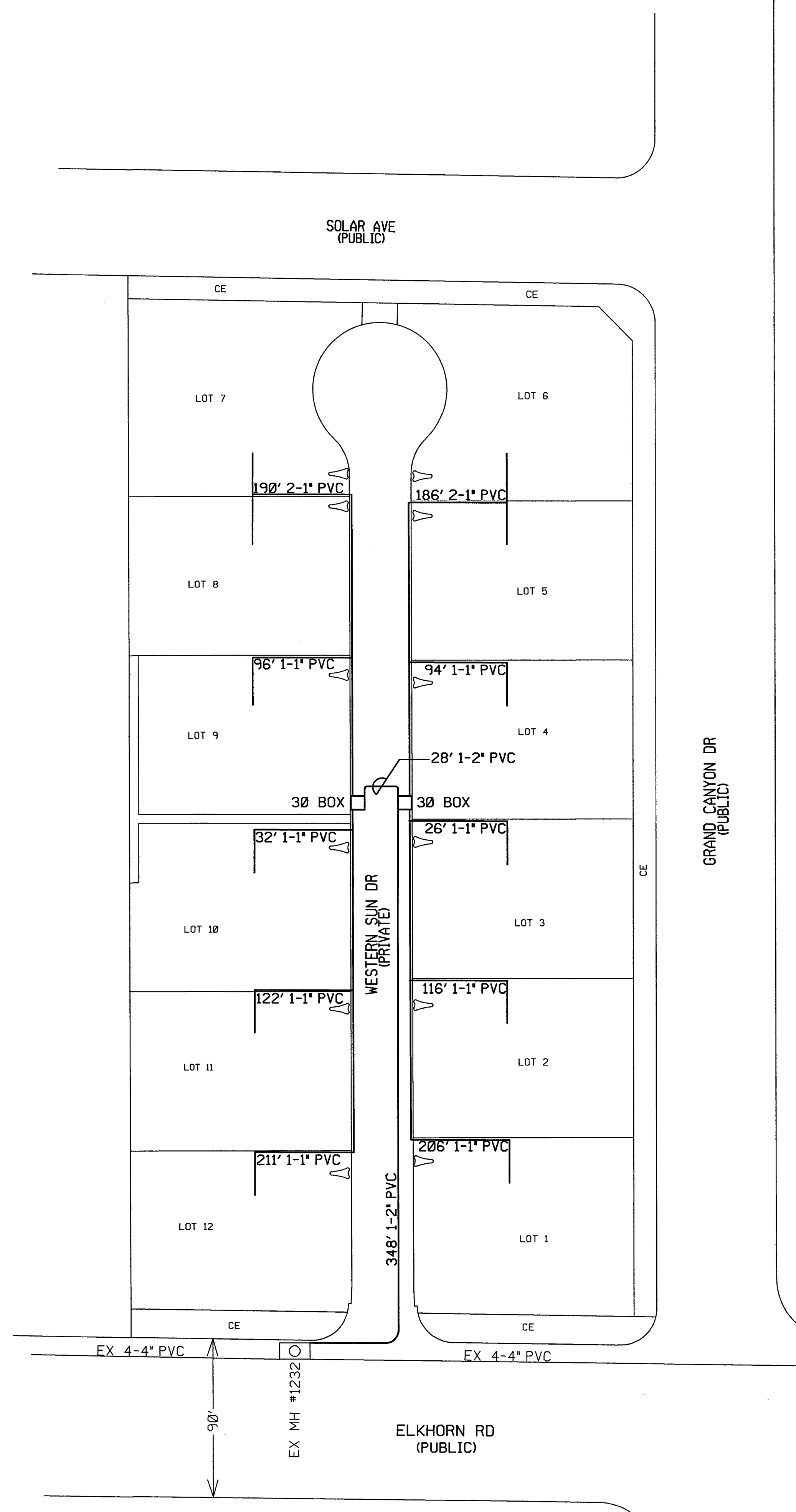
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.  
CALL



OR  
1-800-227-2600

CITY OF LAS VEGAS PERMIT REQUIRED \*  
CONTACT CLV LAND DEVELOPMENT (229-6371)  
CLV CONSTRUCTION SERVICES MUST BE NOTIFIED 24 HOURS PRIOR TO COMMENCING CONSTRUCTION (229-6337)

\*CENTURYLINK INSPECTOR WILL VERIFY COUNTY PERMIT FOR WORK DONE WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY  
INSPECTOR: DATE:



CONTACT: THM ENTERPRISES  
CONTACT NAME: JASON THOMPSON - 702-257-1188  
NUMBER OF UNITS: 12

FOR CONSTRUCTION SPECIFICATIONS  
SEE CENTURYLINK SPECS

**CONSTRUCTION NOTE**  
SOLE TRENCH IS TO BE PAID  
FOR BY THE DEVELOPER PER  
NEVADA STATE STATUE 704A.490

**INSPECTION REQUIREMENT**  
CALL 244-7811 BETWEEN  
7 A.M. AND 3 P.M.  
24 HOURS IN ADVANCE FOR  
FINAL INSPECTION. CABLE  
WILL NOT BE PLACED UNTIL  
FINAL INSPECTION IS COMPLETED.

**DESIGN VALIDITY**  
THESE PLANS WILL BE VALID  
FOR ONLY SIX MONTHS FROM  
THE DATE OF ISSUE

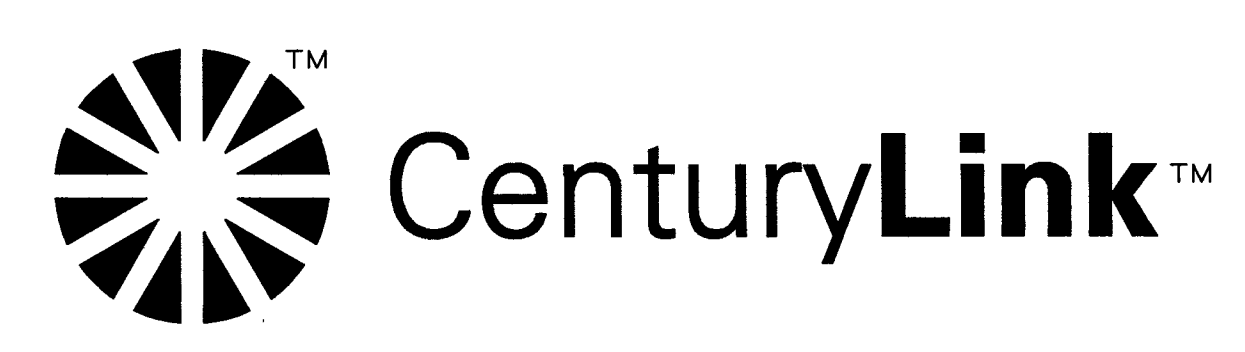
**SPECIAL NOTE:**  
ANY MODIFICATIONS TO THE  
CENTURYLINK DESIGN MUST BE  
APPROVED BY THE  
ENGINEER: LORI JOHNSON  
TEL #: 702-244-7899

**NOTE:**  
DO NOT START ANY WORK ON THIS PROJECT UNTIL YOUR PROPOSAL  
HAS BEEN SUBMITTED AND ACCEPTED BY CENTURYLINK.

T-19, R-60  
S-18, APN 12'

CENTURYLINK  
PROPRIETARY

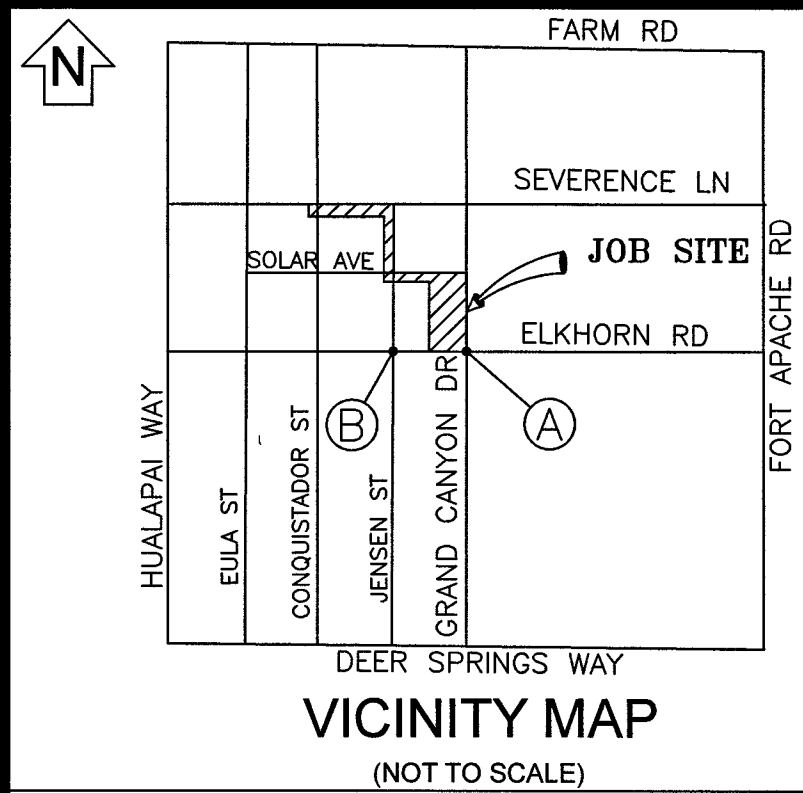
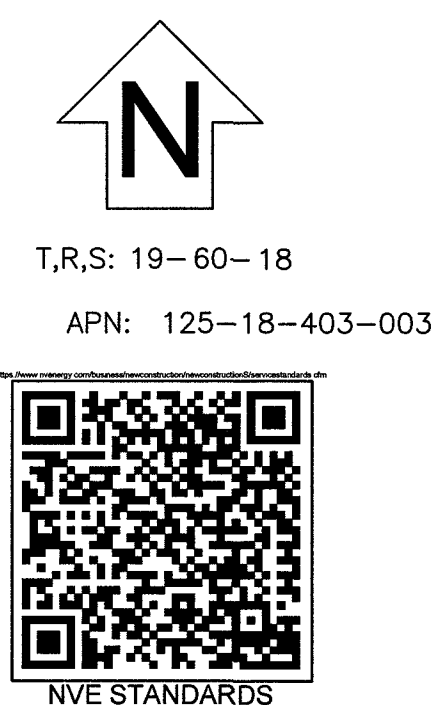
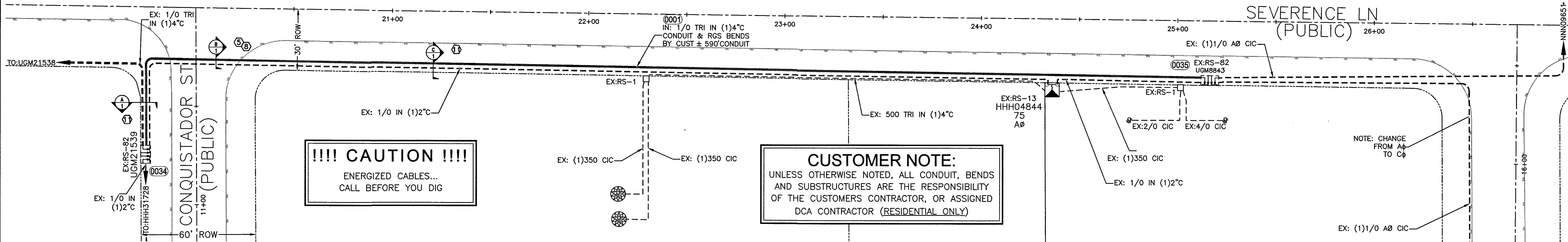
CONSTRUCTION PERMIT REQUIRED  
BY CONTRACTOR



| NO. | REVISION                       | ENGR.     | MGR.     | DATE:      |
|-----|--------------------------------|-----------|----------|------------|
| 1   | CHNG ST NAME TO WESTERN SUN DR | L.JOHNSON | D.HOWARD | 04/03/2018 |
| 2   |                                |           |          |            |

|                                               |                        |                        |
|-----------------------------------------------|------------------------|------------------------|
| TITLE<br>ELKHORN AND GRAND CANYON SUBDIVISION | ENG:<br>LORI JOHNSON   | W.O.<br>N.308172       |
| T&S DESIGN                                    | PHONE<br>702-244-7899  | C.O.<br>LSVGNVXU       |
| LOC.<br>GRAND CANYON DR AND ELKHORN RD        | APV'D.<br>BY D. HOWARD | ISSUE<br>DATE 04/03/18 |
| SCALE<br>1"= 50'                              | SHT. NO.<br>2 of 2     |                        |

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



## GENERAL NOTES:

ANY NOTES LOCATED IN DRAWING AREA TAKE PRECEDENCE OVER STANDARD NOTES.

REFER TO A CURRENT NVEnergy ELECTRIC SERVICE REQUIREMENTS HANDBOOK FOR FURTHER CLARIFICATION OF NVEnergy STANDARDS. THE APPLICANT SHALL INFORM THE INSPECTOR AT LEAST 48 HOURS BEFORE COMMENCING ANY ITEM OF CONSTRUCTION OR INSTALLATION OF MATERIAL TO ENABLE PROPER INSPECTION OF MATERIALS AND WORKMANSHIP. MAIN TRENCH WIRE PULLS TO BE SCHEDULED 72 HOURS IN ADVANCE OF INSTALLATION. APPLICANT'S PROJECT WILL NOT BE SCHEDULED UNTIL FINAL APPROVAL FROM NVEnergy UNDERGROUND & ELECTRICAL INSPECTORS.

ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE ELECTRIC SERVICE REQUIREMENTS HANDBOOK, AS CURRENTLY ADOPTED BY NVEnergy. THE CONTRACTOR SHALL SECURE COPIES OF THE AFOREMENTIONED CONSTRUCTION SPECIFICATIONS ON HIS OR HER OWN BEHALF. SYMBOLS ARE NOT TO SCALE AND DO NOT NECESSARILY REPRESENT ACTUAL LOCATIONS OF FACILITIES.

THIS DRAWING ILLUSTRATES DATA COLLECTED FROM VARIOUS SOURCES AND MAY NOT REPRESENT A SURVEY OF THE PREMISES. APPLICANT SHALL FIELD DETERMINE POSITION AND DEPTH OF EXISTING UTILITY EQUIPMENT PRIOR TO COMMENCING CONSTRUCTION.

USE CAUTION PRIOR TO EXCAVATION. CHECK TO ENSURE ADDITIONAL DEPTH IS NOT REQUIRED TO ACCOMMODATE GAS AND/OR WATER FACILITIES AND DRAINAGE CHANNELS.

CALL NVEnergy UNDERGROUND INSPECTORS 48 HOURS PRIOR TO START OF CONSTRUCTION FOR TRENCH INSPECTION BEFORE COVERING TRENCH.

ALL NVEnergy CABLE TO BE INSTALLED BEHIND CURB, UNLESS OTHERWISE STATED.

APPLICANT IS RESPONSIBLE FOR STAKING OF PROPERTY CORNERS & ELEVATIONS.

ALL HANDHOLES AND PULLBOXES SHALL BE INSTALLED TO FINISHED GRADE OR 6" ABOVE IF GRADE IS NOT ESTABLISHED.

ANY SUBSTRUCTURE VAULT INSTALLED IN GRAVEL, GRASS, OR BARE GROUND WILL REQUIRE A CONCRETED 8" WIDE AND 6" DEEP COLLAR AROUND BOX IN ACCORDANCE TO RS-G6.

2" PLASTIC CONDUIT BENDS (90°, 45°) WITH 36" MIN. RADIUS. (USE FIBERGLASS IF CONDUIT LENGTH IS OVER 500')

3" & 4" PLASTIC CONDUIT BENDS (90°, 45°) WITH 36" MIN. RADIUS. (USE RGS IF CONDUIT LENGTH IS OVER 100')

6" PLASTIC CONDUIT BENDS (90°, 45°) WITH 48" MIN. RADIUS. (USE RGS IF CONDUIT LENGTH IS OVER 100')

WHEN INSTALLING CONDUIT IN FIELD, USE APPROPRIATE BENDS TO COMPLETE THE INSTALLATION.

DEFLECTION OF CONDUIT BENDS AND CONDUIT NOT TO EXCEED NVEnergy STANDARDS.

EXISTING STUB-OUT/CONDUIT INSTALLED BY PREVIOUS CONTRACTOR / DEVELOPER. NVEnergy DOES NOT GUARANTEE LOCATION, LENGTH, OR ACCESSIBILITY OF EXISTING STUB-OUT/CONDUIT. IF UTILIZING ANY PORTION OF EXISTING CONDUIT, IT MUST BE MANDEOLED PRIOR TO FINAL RELEASE.

PREVIOUSLY MANDEOLED CONDUIT WHICH HAS BEEN IN THE GROUND FOR OVER 6 MONTHS MUST BE RE-MANDRILLED PRIOR TO FINAL RELEASE.

WHEN NVEnergy FACILITIES ARE TO BE REMOVED, NVEnergy WILL REMOVE ALL WIRES AND EQUIPMENT. NVEnergy IS NOT RESPONSIBLE FOR THE REMOVAL OF CONDUIT RUNS OR SUBSTRUCTURES FROM THE PROPERTY.

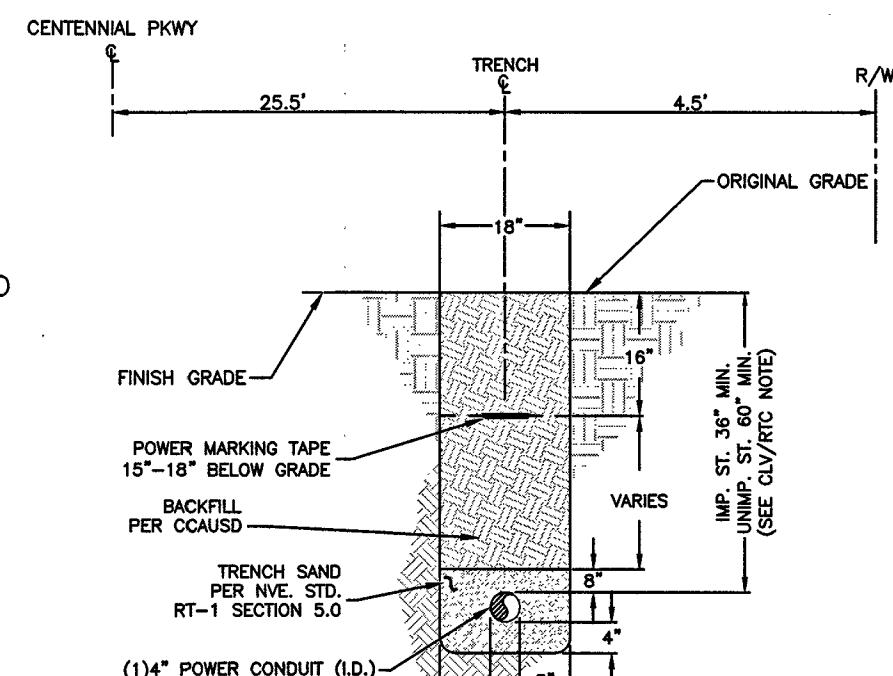
NO COVERED PARKING IN FRONT OF EQUIPMENT.

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.

## NV ENERGY SCHEDULING NOTE: DAY (LANE BLOCKS)

THIS PROJECT WAS ESTIMATED WITH THE ASSUMPTION THAT ALL THE WORK BEING PERFORMED ON THIS PROJECT BY NV ENERGY CREWS CAN BE DONE DURING THE DAYTIME AND WILL REQUIRE TRAFFIC CONTROL.

GOVERNMENT APPROVAL OF THESE DRAWINGS DOES NOT INDICATE APPROVAL OF TRAFFIC CONTROL. PLEASE REFER TO THE BARRICADE PLAN FOR APPROVED TRAFFIC CONTROL REQUIREMENTS.



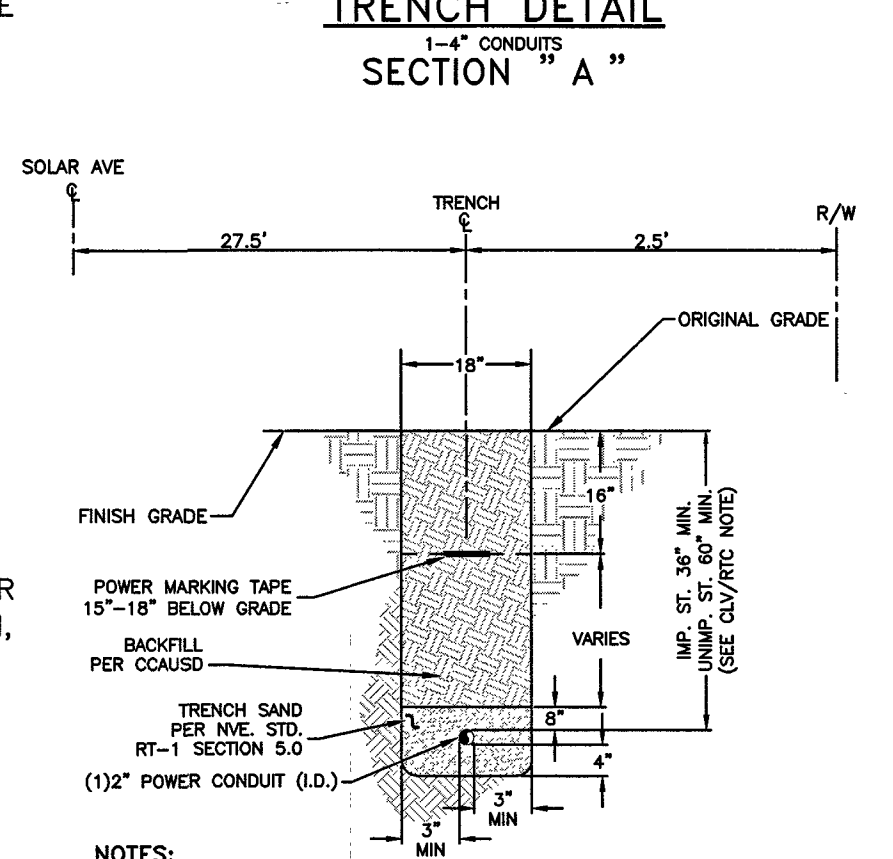
### NOTES:

CLV REQUIREMENTS (APPLICABLE WITHIN CITY OF LAS VEGAS LIMITS ONLY): IMPROVED AREA (IMP. ST.): (LOCATION OF TRENCH) AREA WILL BE CONSIDERED IMPROVED IF IT MEETS ONE OR MORE OF THE FOLLOWING CRITERIA(S):

- EXISTING PERMANENT PAVEMENT WITH CURB & GUTTER AND/OR ADJACENT PERMANENT SIDEWALK
- WITHIN AN IMPROVED TRAIL AREA
- LIMITS OF CONSTRUCTION INSTALLED CONCURRENT WITH A PRIVATE OR PUBLIC PROJECT

UNIMPROVED AREA (UNIMP. ST.): (LOCATION OF TRENCH) ANY OTHER SCENARIO THAT FAILS TO MEET THE IMPROVED AREA CRITERIA(S) WILL BE CONSIDERED AN UNIMPROVED AREA.

NVE REQUIREMENTS: FOR ALL OTHER JURISDICTIONS REFER TO NVE STANDARDS. BACKFILL REQUIREMENTS NVE. STD. RT-1. TRENCH DEPTH REQUIREMENTS NVE. STD. RT-5.



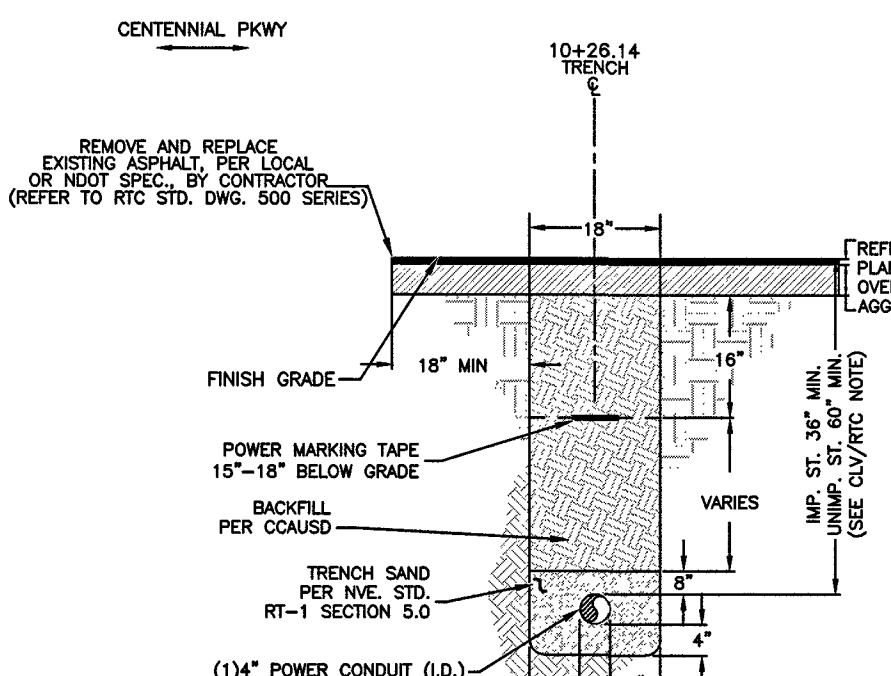
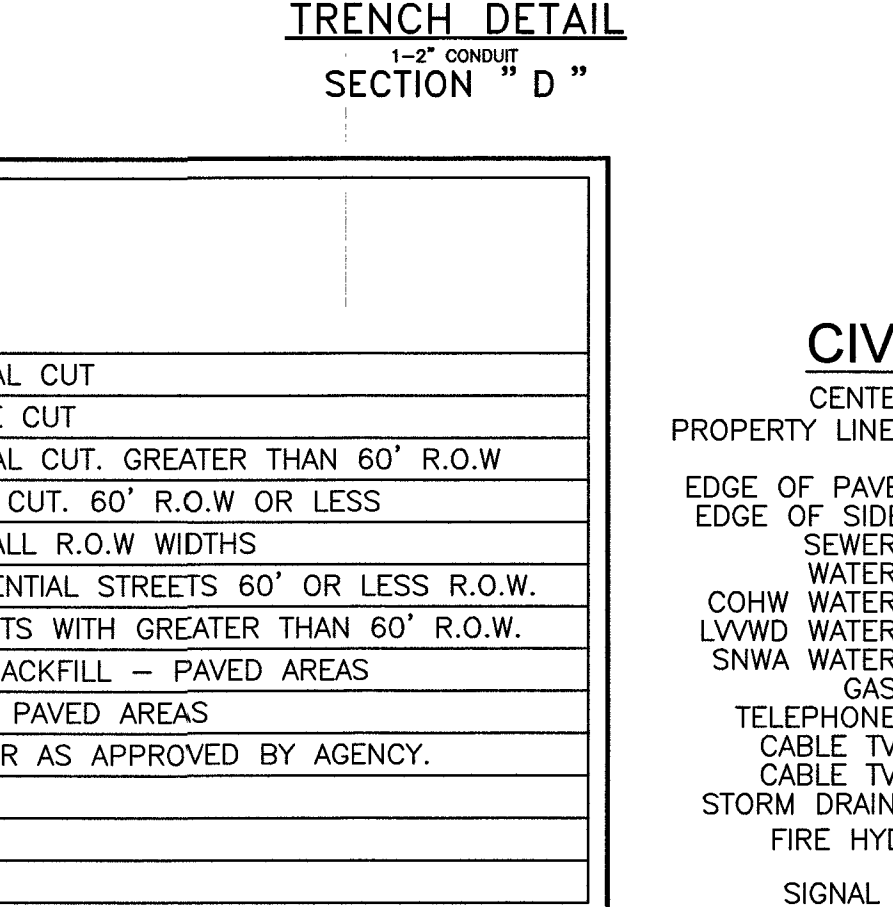
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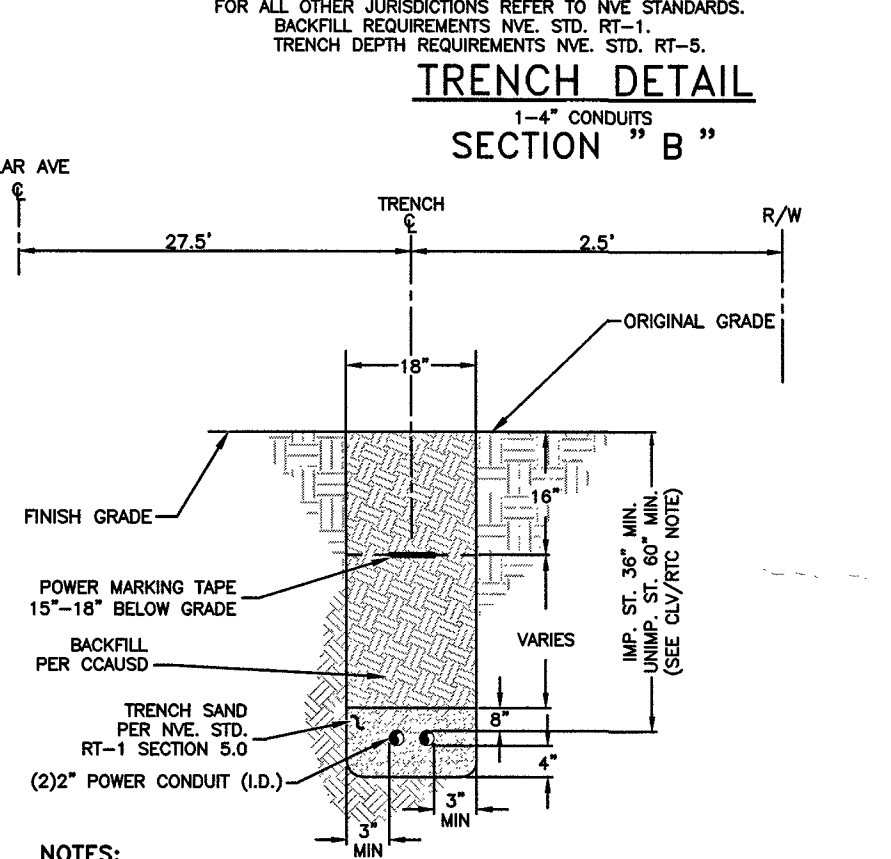
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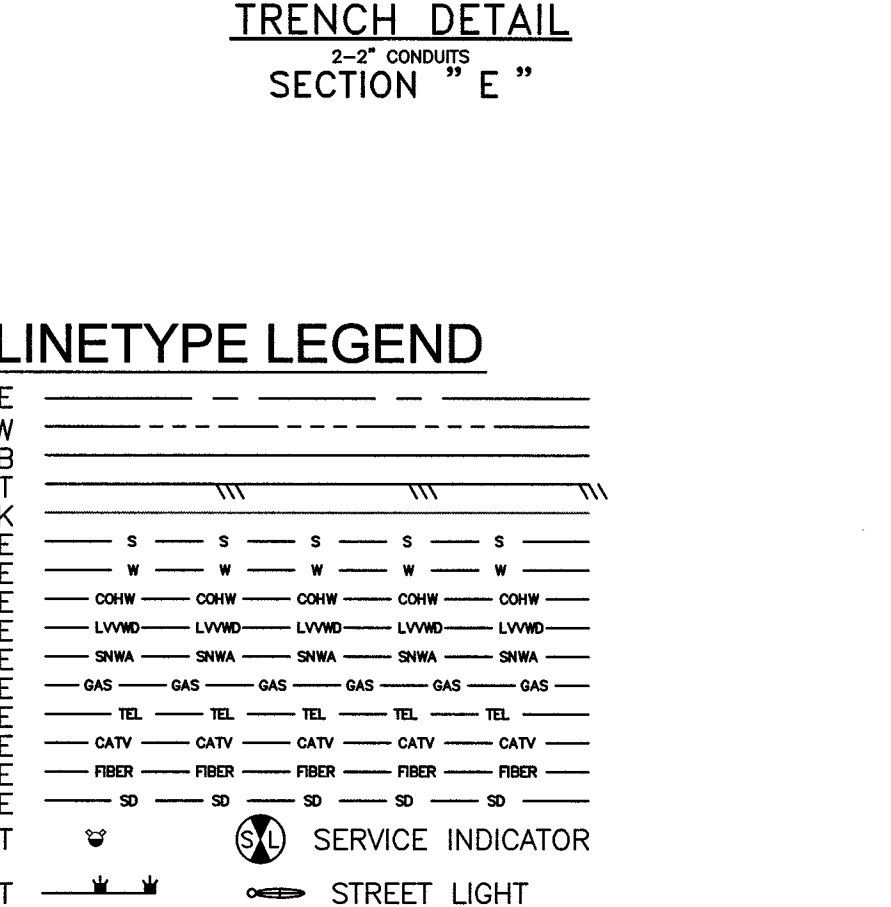
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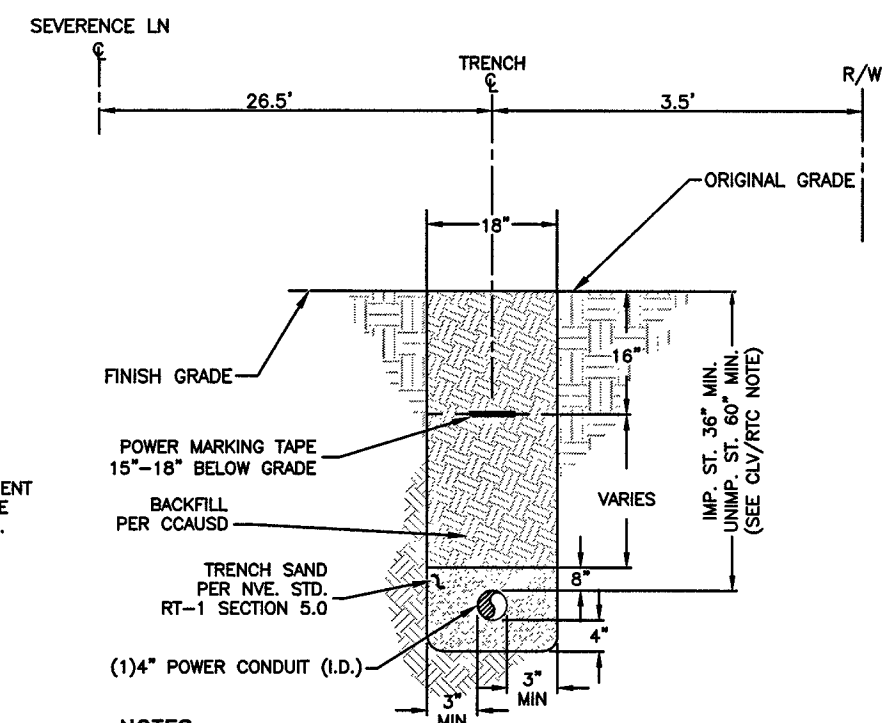
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## CUSTOMER NOTE:

UNLESS OTHERWISE NOTED, ALL CONDUIT, BENDS AND SUBSTRUCTURES ARE THE RESPONSIBILITY OF THE CUSTOMERS CONTRACTOR, OR ASSIGNED DCA CONTRACTOR (RESIDENTIAL ONLY)



### NOTES:

REGIONAL TRANSPORTATION COMMISSION, CITY OF HENDERSON, CITY OF NORTH LAS VEGAS AND UNINCORPORATED CLARK COUNTY REQUIREMENTS (SECTION 503.503.1 & 503.2):

1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
2. TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE ENTITY REQUIREMENTS.
3. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY.
4. LAS VEGAS VALLEY WATER DISTRICT REQUIRES PIPE BEDDING AND BACKFILL WITHIN THE PIPE ZONE TO BE OF THE SAME MATERIAL.

CLV REQUIREMENTS: FOR ALL AREAS EXCEPT NVEnergy PIPE ZONE, THE TRENCH, BACKFILL AND AC REPLACEMENT SHALL BE PER COASD.

NVE REQUIREMENTS: FOR ALL OTHER JURISDICTIONS REFER TO NVE STANDARDS. BACKFILL REQUIREMENTS NVE. STD. RT-1. TRENCH DEPTH REQUIREMENTS NVE. STD. RT-5.

**CITY OF LAS VEGAS**  
PERMIT REQUIRED\*

CONTACT CLV LAND DEVELOPMENT (229-6371)  
CLV CONSTRUCTION SERVICES MUST BE NOTIFIED 24 HOURS PRIOR TO COMMENCING CONSTRUCTION (229-6337)

HANSEN \_\_\_\_\_

DATE \_\_\_\_\_

\*NVE INSPECTOR MUST BE NOTIFIED BY FAX 48 HOURS PRIOR TO COMMENCING CONSTRUCTION & WILL VERIFY CITY PERMIT FOR WORK DONE IN STREETS OR SIDEWALK.  
FAX PERMIT TO:  
LAS VEGAS NORTH (RYAN CENTER): 402-4354  
LAS VEGAS SOUTH (BELTWAY CENTER): 402-6864

NOTE: ALL THE ABOVE GROUND UTILITY APPURTENANCES SHALL CONFORM TO THE REQUIREMENTS OF CLV UNIFIED DEVELOPMENT CODE TITLE 19.06 AND 19.08

**APPROVED FOR CONSTRUCTION**

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

APPROVAL BY: LH-00900-0001 (09/28/17) DATE 4 11 18

**CLARK COUNTY PUBLIC WORKS**  
PERMIT REQUIRED\*

DEVELOPER/CONTRACTOR SHALL OBTAIN A COUNTY PERMIT BEFORE ANY EXCAVATION WORK WITHIN CLARK COUNTY RIGHT-OF-WAY

HITE \_\_\_\_\_

DATE \_\_\_\_\_

\* NVE INSPECTOR WILL VERIFY COUNTY PERMIT FOR WORK DONE WITHIN COUNTY RIGHT-OF-WAY

ENERGIZING AND SETTING OF ELECTRIC METER MAY BE DELAYED IF OFF-SITE RESTORATION IS NOT COMPLETED TO THE SATISFACTION OF CLARK COUNTY INSPECTOR

**APPROVED FOR PERMITTING**

THIS APPROVAL IS FOR WORK IN CC R/W & EASEMENT ONLY. OBTAINING PERMISSIONS OR EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.

NIGHT WORK: YES ☐ NO ☒

ENCROACHMENT PERMIT # \_\_\_\_\_

APPROVAL BY: \_\_\_\_\_ DATE \_\_\_\_\_

## RTC NOTES:

BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM TO CLARK COUNTY UNIFORM STANDARD DRAWINGS

|    |       |                                                                                 |
|----|-------|---------------------------------------------------------------------------------|
| 1  | 500.1 | 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT                              |
| 2  | 500.2 | 0 TO 5 YEARS PAVEMENT RESTORATION TRANSVERSE CUT                                |
| 3  | 500.3 | OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT. GREATER THAN 60' R.O.W      |
| 4  | 500.4 | OVER 5 YRS PAVEMENT RESTORATION LONGITUDINAL CUT. 60' R.O.W OR LESS             |
| 5  | 500.5 | OVER 5 YRS PAVEMENT RESTORATION TRANSVERSE ALL R.O.W WIDTHS                     |
| 6  | 501   | TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W. |
| 7  | 501.1 | TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W.   |
| 8  | 503   | METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS              |
| 9  | 503.1 | METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS                        |
| 10 |       | BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.    |
| 11 | 234   | SIDEWALK                                                                        |
| 12 | 506   | UTILITY POTHOLE REPAIR                                                          |
| 13 | 216   | "L" TYPE CURB AND GUTTER                                                        |

## CIVIL LINETYPE LEGEND

|                   |     |
|-------------------|-----|
| CENTERLINE        | --- |
| PROPERTY LINE/ROW | --- |
| CURB              | --- |
| EDGE OF PAVEMENT  | --- |
| EDGE OF SIDEWALK  | --- |
| SEWER LINE        | --- |
| WATER LINE        | --- |
| COHW WATER LINE   | --- |
| LVWD WATER LINE   | --- |
| SNWA WATER LINE   | --- |
| GAS LINE          | --- |
| TELEPHONE LINE    | --- |
| CABLE TV LINE     | --- |
| CABLE TV LINE     | --- |
| STORM DRAIN LINE  | --- |
| FIRE HYDRANT      | --- |
| SIGNAL LIGHT      | --- |
| STREET LIGHT      | --- |

