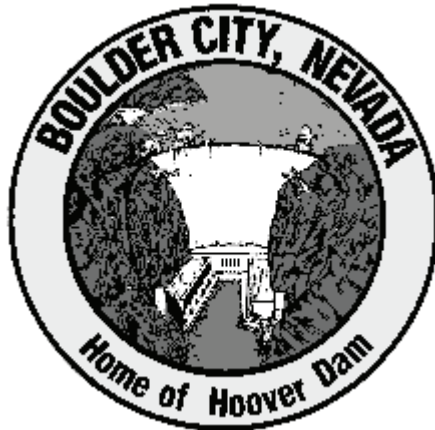


**OVERHEAD TO UNDERGROUND
ELECTRIC CONVERSION-
633 NEVADA WAY**

**B.C. PROJECT NO. 11-0841-ED
BID DATE: DECEMBER 1, 2011 - 5:00 PM
INFORMAL BID**



**FUNDED BY:
CITY OF BOULDER CITY**

SET NO. _____

B. C. PROJECT NO. 11-0841-ED
OVERHEAD TO UNDERGROUND ELECTRIC CONVERSION
633 NEVADA WAY
INFORMAL BID

RECEIPT OF PROPOSAL

The City of Boulder City is requesting bids by 5:00 PM, Thursday, December 1, 2011, in the Engineering Office, 401 California Avenue, Boulder City, Nevada, for Overhead to Underground Electrical Conversion – 633 Nevada Way, B.C. Project No. 11-0841-ED.

Bid documents and requirements may be obtained from the Engineering Office, 401 California Avenue, Boulder City, Nevada, Monday through Thursday, 7:00 a.m. to 6:00 p.m. at no charge. This is an informal bid and, therefore, cannot exceed \$100,000.00. Please contact Elaine Delp, Department Secretary, at (702) 293-9200 to obtain bid documents. Bid documents may also be available on the City of Boulder City, Nevada website at bcnv.org/publicworks/projects.asp.

PROJECT DESCRIPTION

This project shall consist of supplying and installing 4" Schedule 40 PVC electric conduit, transformer pads, electric boxes and other miscellaneous related items. The project also includes the replacement of grass sod, irrigation and concrete sidewalk. This project does not include wiring or breaker panels.

SITE OF WORK

The site of work is located at 633 Nevada Way, within the City limits of Boulder City, Nevada.

LICENSE & INSURANCE REQUIREMENTS

The Bidder shall provide proof of Contractor's Public Liability and Property Damage Liability Insurance coverage, if awarded the project.

The Contractor shall also furnish the City a Certificate of Workman's Compensation Insurance, Nevada Industrial Commission, or equal.

At time of the proposal submittal, the Contractor must hold a valid license of a class corresponding to the work to be performed in accordance with the provisions of the Nevada State Contractors License Law.

The Contractor must possess a valid Boulder City, Nevada, Business License at the start of construction.

PAYMENT REQUIREMENTS

Prior to acceptance and final payment, the Contractor shall submit to the Engineer, an unconditional lien release from his subcontractors and material suppliers that all bills have been paid and that Boulder City is not responsible for any labor, materials, etc., for this project. The Contractor shall also submit a signed expressed Warranty and Guarantee, which is part of this document. No Bid Bond or Performance/Labor and Material Bond is being required.

TIME LIMIT

All work must be completed within 30 calendar days after date of the Notice to Proceed.

Published:

bcnv.org website
November 17, 2011

**PROPOSAL
OVERHEAD TO UNDERGROUND ELECTRICAL CONVERSION
633 NEVADA WAY
B.C. PROJECT NO. 11-0841-ED
THURSDAY, DECEMBER 1, 2011 - 5:00 PM**

ITEM NO.	DESCRIPTION	QTY	UNIT	AMOUNT (UNIT PRICE X QTY.)
200.01	Force Account	1	LS	\$ <u>10,000.00</u>
401.01	Asphalt Patching (3-inch)	1,840	SF	\$ _____
613.01	Sidewalk Reconstruction	72	SF	\$ _____
623.01	4-Inch PVC Electrical Conduit	1,875	LF	\$ _____
623.02	Transformer Pad	3	EA	\$ _____
623.03	Secondary Junction Box	15	EA	\$ _____
623.04	RS-82 Electric Vault	2	EA	\$ _____
624.01	Barricading	1	LS	\$ _____
637.01	Dust Control	1	LS	\$ _____
TOTAL BID				\$ _____

DATE _____

BIDDER: _____

BY: _____

TITLE: _____

ADDRESS: _____

PHONE NO.: _____

NOTE: These are estimated quantities only.

Payment will be made on actual quantities
approved, performed, and measured in the field

NOTE: No bid bond is required for this project.
Boulder City reserves the right to reject any and all bids,
to waive any informalities in bidding, and to accept any
bid deemed most advantageous to the City.

ADDITIONAL WORK DESCRIPTION

The following gives additional explanation of work involved in the bid item.

200.01 Force Account

The Force Account shall only be used for work requested by the City in writing that is not already included in the Project Scope. Such work shall be performed in accordance with the Standard Specifications, Standard Drawings, these Special Provisions and as directed by the City.

This work shall not be performed until the Contractor is instructed to proceed by the City in writing. Payment for Force Account work shall be per unit price for bid items, per agreed unit price for non-bid items or agreed lump sum.

Ten thousand dollars (\$10,000) has been entered into the bid schedule under Bid Item No. 200.01, Force Account. The bidder shall include this amount in the total bid amount.

401.01 Asphalt Patching (3-inch)

This bid item shall include all materials and work necessary to install a 3-inch thick permanent asphalt patch (1/2-inch hot mix) over all backfilled and compacted trenches including but not limited to sawcutting, removal and replacement to minimum 9 inches beyond the edge of trench. Patches shall be four feet minimum width in accordance with Clark County Specifications. Asphalt trench repair payment quantity is based on a 3-foot wide trench.

The Contractor is responsible for all asphalt trench repair necessary in excess of a 3-foot wide trench at no additional cost to the City. All existing asphalt edges will be tack coated prior to paving. All patches will be fog-sealed when completed. A pneumatic rubber tire and steel drum roller must be used for the final asphalt patch. All final patching must be completed on each individual trench within 14 days of installing the conduit.

Unsuitable material, including all concrete structures, asphalt and etc., excavated from the construction site, shall be properly disposed of in the Boulder City Landfill. The Contractor shall pay all fees. No other public or private property in the Boulder City limits shall be designated as a disposal site for this type of material unless otherwise approved by the City Engineer. The Contractor shall be responsible for contacting Boulder City Disposal, Inc. at 293-2276 to determine appropriate costs and scheduling.

613.01 Sidewalk Reconstruction

This bid item shall include all work necessary to remove and dispose of the existing sidewalk, without damaging adjacent structures and all work necessary to construct the sidewalk, including but not limited to the following:

The existing subbase shall be scarified, graded, and uniformly compacted to at least ninety percent (90%). The Contractor shall be responsible for providing and preparing any additional backfill that is required, at no additional cost. The sidewalk shall be constructed as shown in Standard Drawing No. 234.

623.01 4-Inch PVC Electrical Conduit

This bid item shall consist of furnishing and installing four-inch (4") Schedule 40 PVC electrical conduit as shown on the plans, details and staked in the field. Work shall also include, but is not limited to, excavation, watering, backfilling, compaction, joints and all miscellaneous related work to complete the project. Where two 4" conduits are shown side by side they shall be in one common trench. This bid item shall also include supplying and installing the #2 bare copper wire as shown in the electrical Trench Detail. City will furnish and install the cable. Replacement of sod and repair of the irrigation system shall be incidental to this bid item. NOTE: The Contractor shall coordinate this work with CenturyLink and Cox Communications to allow each company to install a 2" conduit as shown on the Trench Detail.

623.02 Transformer Pad

This bid item shall consist of furnishing and installing the transformer pad as shown on the plans and marked in the field. Pad shall be pre-formed, set on leveled and compacted Type II aggregate base with 17" x 30" x 12" deep junction box located directly below the pad opening (Model #RS-13 with RC-30 box below or approved equal). City will supply and set transformer.

623.03 Secondary Junction Box

This bid item shall include all materials, labor and equipment necessary to install the secondary electric junction box as shown on the Plans and marked in the field. The junction box shall be concrete 17" x 30" x 12" deep with a 12" extension giving a total depth of 24", Brooks #66 or approved equal. Lids are to be galvanized steel marked "Electric". The City will complete the wire makeup. Stubbing a 2" Schedule 40 PVC conduit from the J-box to the building wall and 6" above ground (9 locations) shall be incidental to this bid item.

623.04 RS-82 Electric Vault

This bid item shall include all materials, labor and equipment necessary to install the RS-82 Electric Vault as shown on the Plans and marked in the field. The Electric Vault shall be concrete 3' x 7' x 4' with two piece galvanized hinged torsion assisted cover, Rockway #RS-82 or approved equal. The City will complete the wire makeup.

624.01 Barricading

This lump sum bid item shall include all work, materials and equipment necessary to provide barricading at the work site to protect pedestrians and not interfere with residents of the complex. The Contractor shall contact, cooperate with, and give notice to the owner and residents prior to beginning work and when installing barricading, etc.

637.01 Dust Control

This bid item shall consist of all necessary permits, labor and materials required to comply with all Pollution Control Regulations of Clark County for Control of Fugitive Dust.

General

- 1) It is the responsibility of the Contractor to protect all property and life from this construction and restore all damaged property to its original condition.
- 2) The Contractor's construction materials, equipment, methods and workmanship, shall be in accordance with applicable local ordinances and state laws, including the Federal and the Nevada Occupational Safety and Health Act.
- 3) The Contractor shall not disrupt traffic during the construction period without approval by the City.
- 4) Dust control shall be the responsibility of the Contractor.
- 5) Pedestrian walkways must be kept clear or barricaded at all times.
- 6) The Contractor shall be required to obtain all permits and licenses at the Contractor's expense.
- 7) The "Uniform Standard Specifications for Public Works Construction Off-Site Improvements, Clark County Area, Nevada," latest revision, constitute the Standard Specifications for this project, are an integral

part of the contract, and are hereby incorporated herein by reference. All requirements and provisions of said specifications shall be adhered to in the performance of this Contract except where otherwise provided herein.

- 8) The "Uniform Standard Drawings for Public Works Construction, Off-Site Improvements, Clark County Area, Nevada," latest revision, constitutes the Standard Drawings for this project, are an integral part of the Contract, and are hereby incorporated herein by reference. All requirements and provisions of said specifications shall be adhered to in the performance of this contract except where otherwise provided herein.
- 9) The Contractor shall submit to the owner for approval complete mix designs prepared and certified by the laboratory, if applicable.

TECHNICAL PROVISIONS

1. All excavated material shall be immediately removed from the site and disposed of in a manner acceptable to the Engineer. The Boulder City Landfill shall be used for disposal and the Contractor shall pay all fees. No other City or private property within the City limits of Boulder City shall be designated as a dumpsite for this type of material.
2. Scheduled work hours shall be between 7:00 AM and 6:00 PM, Monday through Friday, unless prior approval by the City is obtained.
3. Prior to leaving an area, that area shall be thoroughly cleaned of all project-related debris, which shall include, but is not limited to, asphalt, concrete, soil, sod, construction material and trash.
4. Compaction requirements
 - a) Type II - 95% compaction
5. Contractor is responsible for replacing the grass sod, decorative rock/weed block, stack block walls and any landscaping damaged during construction. This includes any areas that receive excessive rutting from equipment as determined by the City.

OVERHEAD TO UNDERGROUND ELECTRIC CONVERSION
633 NEVADA WAY
BOULDER CITY PROJECT NO. 11-0841-ED
EXPRESSED WARRANTY AND GUARANTEE

The CONTRACTOR, _____
of _____, County of _____, State of _____,
hereinafter referred to as the "Contractor", in accordance with the CITY OF
BOULDER CITY, NEVADA, hereinafter referred to as the "City", expressly
warrants and guarantees, for the time period of one year from the date
hereof, that all materials used in this project, will be of good quality and free
from faults or defects and in accordance and conformance with City
standards and specifications, the contract documents and any inspections,
tests or approvals required by the City. All unsatisfactory, faulty or
defective materials not conforming to City standards and specifications,
contract documents or city inspections, tests or approvals, shall be
considered defective. Prompt notice of all defects shall be given to the
Contractor.

If, after the City acceptance of the said project and prior to the
expiration of one year as required by the contract documents, any materials,
or work are found to be defective, the Contractor will promptly without cost
to the City, and in accordance with the City's written instructions, either
replace, repair or correct said defective materials or work, or, if any such
materials or work have been rejected by the City, remove such from the site
and replace it with conforming materials or work. If the Contractor does not
promptly comply with the terms of such agreement, the City may have the
materials or work corrected, removed or replaced, and all direct or indirect
costs of such correction, removal and replacement, including compensation
for additional professional services, will be paid by the contractor.

DATED this _____ day of _____, 2011.

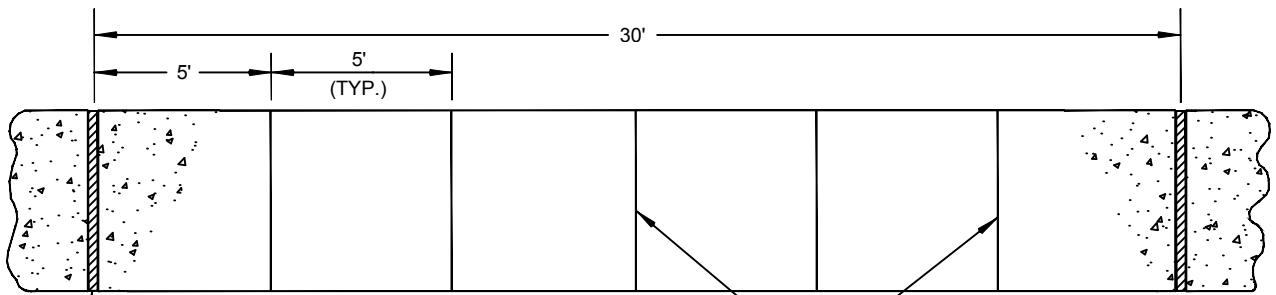
CITY OF BOULDER CITY, NEVADA

BY: _____
Jim Keane, P.E.
City Engineer

ATTEST:

CONTRACTOR

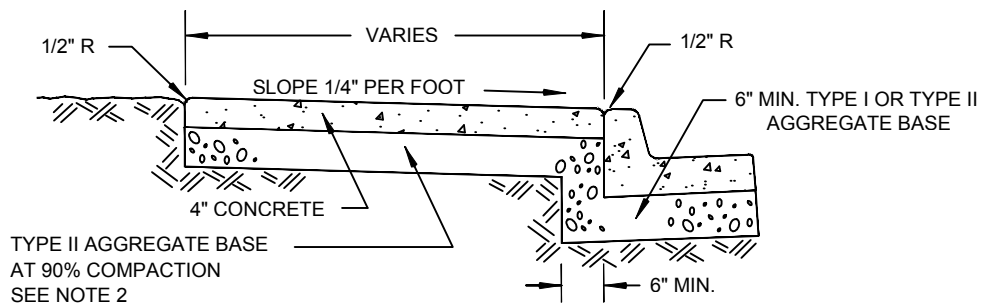
BY: _____



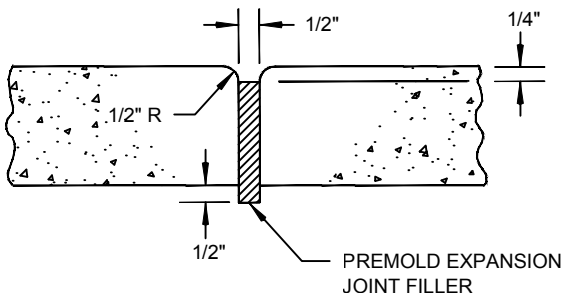
1/2" EXPANSION JOINT AT 30' INTERVALS,
AT COLD JOINTS AND AT BEGINNING
AND END OF RETURN.
EXPANSION JOINTS TO MATCH LOCATION
MATCH LOCATION OF CURB AND GUTTER
EXPANSION JOINT.

PLAN

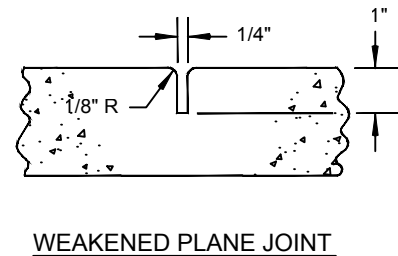
WEAKENED PLANE JOINT



TYPICAL SECTION



EXPANSION JOINT



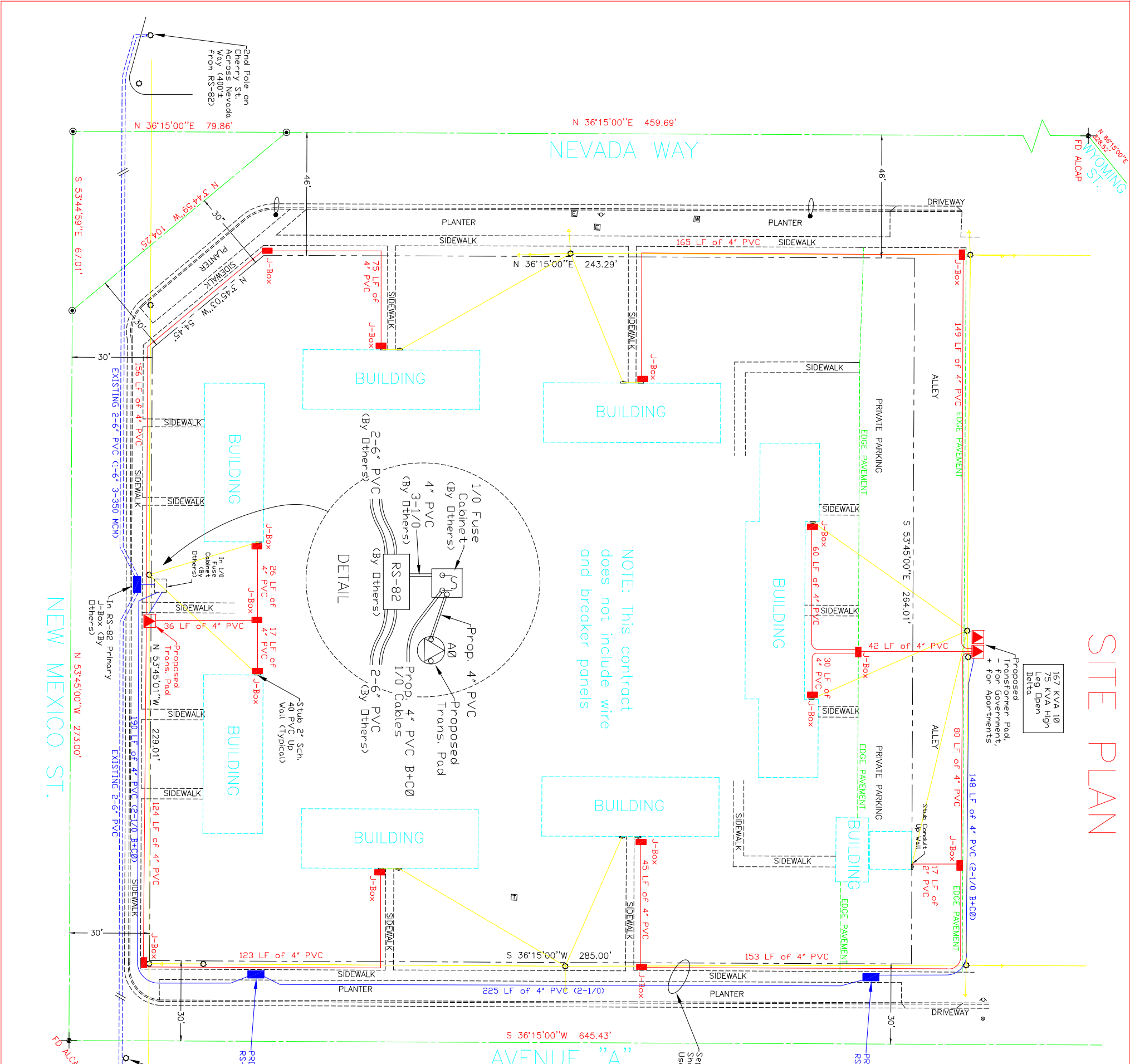
WEAKENED PLANE JOINT

NOTES:

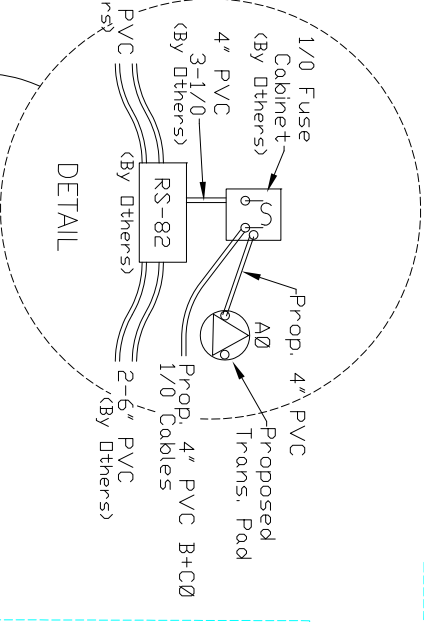
1. ON ALL CURB RETURNS A 1/2" EXPANSION JOINT SHALL BE CONSTRUCTED BETWEEN THE BACK OF CURB AND THE SIDEWALK FOR THE ENTIRE LENGTH OF THE RETURN.
2. THE TYPE II AGGREGATE BASE THICKNESS IS SHOWN ON THE TYPICAL SECTION DRAWINGS 202 - 207.
3. LONGITUDINAL WEAKENED PLANE JOINT REQUIRED AT MIDPOINT OF SIDEWALK 10' OR WIDER.

		AGENCY APPROVED	B	C	H	L	M	N
SPECIFICATION REFERENCE		UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA						
302	AGGREGATE BASE	SIDEWALK						
501	CONCRETE							
502	CONCRETE STRUCTURES							
707	JOINT MATERIAL							
		DATE 12-14-00	DWG. NO.	234				

SITE PLAN



NOTE: This contract does not include wire and breaker panels



ELECTRIC TRENCH DETAIL
N.T.S.

Set 45' Pole & Down-Guy in Dead-End 470-12 KV Hardware, 600 Amp Blade Disconnects-By Others

Remove Existing 2-Dead End Pole-By Others

Stubb

2- 2" SCH. 40 PVC FIBER OPTIC & CATV (By others - Coord. with CenturyLink & Cox)

2- 2" MIN. BETWEEN CONDUIT AND SIDE OF TRENCH (TYP)

40"

18"

12" Min.

36" Min.

FINISH GRADE

12" OF TYPE II @ 95% COMPACTION

ORANGE CAUTION TAPE

RED CAUTION TAPE

APPROVED NATIVE

4" SCH. 40 PVC PRIMARY ELEC. CONDUIT

4" SCH. 40 PVC SECONDARY ELEC. CONDUIT

APPROVED SAND- 4" BELOW AND 4" ABOVE CONDUIT

6" Min.

#2 BARE COPPER GROUND WIRE

CITY OF BOULDER CITY
ENGINEERING DIVISION
401 CALIFORNIA AVENUE
BOULDER CITY, NEVADA 89005
(702) 293-9200 FAX(702) 293-9241

SCALE: 1" = 40'
DATE: NOVEMBER 16, 2011

B.C. PROJECT NO. 11-0841-ED
Overhead to Underground Electric Conversion-
633 Nevada Way

DWG# 4040031P