

CARSON CITY PURCHASING AND CONTRACTS
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<http://www.carson.org/index.aspx?page=998>

NOTICE TO CONTRACTORS
BID #1516-014

**Carson City Fiber Optic – Dispatch to Public Works and
Community Center to Public Works**
PWP # CC-2015-245

Addendum No. 3

1. A revised sheet C2 is included in this addendum due to changes made around the Snyder Bridge. Please see response to question “4-i” below for additional information.
2. Please use the attached revised bid schedule when completing the bid schedule. The revised bid schedule includes an additional item for boring 3-2” HDPE conduits near the Snyder Bridge as well as adjusting the quantity for 2-4” PVC conduits accordingly.
3. The bid item description for the 3-2” HDPE conduits is as follows:

Bore and Install 3-2” HDPE Conduits

- A. Measurement for this item will be per Lineal Foot of trench
 - B. Payment for boring and installing 3-2” HPDE conduits shall be made at the unit price named in the bid response.
 - C. This item excludes boring for the 2-4” PVC conduits which is paid under “SC 6.4 Install 2-4” PVC Conduit.”
4. The following responses are to questions received by 8/11/2015, responses are in *italics*
 - a. Could you please clarify that we are to follow the direction of #2 and not #6?

The Contractor is to follow the slack requirements shown in the conduit schedule under “extra slack” on page C26

- b. Installation note #3, The 72F that you are placing has a max short term pull tension of 600 lb and a long term tension of 200 lb. According to Corning and American Poly Water with the length of pull and the number of radius's on most of the runs that spec will be met.

The Contractor is to use a breakaway swivel rated per the pull tension specifications of the fiber optic manufacturer. The Contractor is to contact the Construction Manager if the fiber fails to be pulled within the specification in order to remedy the problem

- c. Installation note #4, I have never heard the term witness acceptance testing. Does that mean pre-test all 72 strands before installation?

Correct, the Contractor has the option to have the City pre-test and Contractor to witness acceptance testing, or contractor may acceptance test with their your own equipment prior to installation.

- d. There is not a line item for testing, would you like to incorporate all of the testing into Item BP.6 and BP.7?

Yes, fusion splice testing will be incorporated under their respective splice bid items

- e. Would you like a flash drive of all pre and post testing for your records?

The City would like the testing records in a digital format by flash drive or DVD.

- f. At the dispatch center there will be approximately 11 bushes and 1 tree that will need to be removed. We can replant all of the bushes with no problem but the tree will be in your stub out location. I don't think you want a tree trying to grow over a location that will potentially be repetitively dug up. Should we just remove the tree?

The Contractor is to restore the existing landscaping and improvements to their original condition prior to construction. Removed bushes around the Dispatch Center will need to be replanted. The conduit stub-out to the west at the Dispatch Center shall only extend 5' beyond the box to avoid removal of the existing tree. The end of the stub shall be marked with a wooden stake.

- g. Also at dispatch, there should be a cabinet mounted to the wall where the penetration point is going to take place. Is that what you prefer? And if so what size would you like?

Per Detail 1 on page C1 an 8"x8"x6" rigid metal junction box has been specified at the penetration point.

- h. At Silver Sage the print asks for a bore with slurry backfill? Do you want slurry at the entrance and exit pits?

Entrance and exit pits will not need to be backfilled with slurry.

- i. At the new highway over pass I found a no. 7 box at each end of the bridge with 3 - 2" conduits. The box is at the top of the bridge and there is no shoulder to dig along the back side of the concrete barrier. Is there a stub or do we have to dig down the bank?

The Contractor will be required to bore from station 74+85 to 78+84 and 83+34 to 88+30 along Snyder Avenue with 3-2" hdpe conduits. These two conduit runs are just prior to and after the Snyder overpass where there are 3-2" existing conduits. Pull box number 5 is to be installed at station 74+85 at the start of the bore rather than 75+59.5 as shown on the plans. Pull box number 8 has been moved to station 88+30 from station 88+20 to give added space from the existing gas line.

- j. The whole area around the overpass has been hydro seeded. Do we have to re hydro seed when we go through? If so what will the seed, mulch and fertilizer spec be? will it have to be maintained and what Item should we add it to?

All disturbed areas around the overpass will need to be hydro seeded. Please refer to the hydro seed spec on the following page. In all locations within the project scope the Contractor will be required to restore all existing landscaping and improvements to their original condition prior to the start of the project. This work will be paid under the Mobilization, Demobilization and Clean-Up bid item.

- k. Item BP.11 Does this mean Clear & Grub?

No, this item is to cover cases where soil that is unsuitable for backfill is encountered when trenching and additional soil needs to be removed and replaced to meet compaction and backfill requirements.

REVEGETATION

1. General.

1. All areas disturbed during construction, supplemental access corridors, storage areas, staging areas, and construction areas shall be revegetated according to these specifications. Upon completion of grading and construction, and prior to revegetation, all areas to be revegetated will be inspected by the Engineer's Revegetation Specialist. The Contractor shall notify the Engineer at least five working days prior to initiation of revegetation work to schedule the required inspection. Final limits of seeding treatment areas will be staked in the field at that time. Revegetation treatments shall not be initiated without the approval of the Construction Manager.

2. Revegetation treatments shall be installed as per these specifications and the notes on the plan sheets and shall consist of seeding and hydromulch application.

2. Seeding

1. All areas disturbed during construction shall be seeded immediately upon completion of final grading. No further vehicular access will be allowed on treatment areas upon completion of seeding and mulching.

2. Seedbed Preparation

All areas to be seeded, with the exception of rock slopes, shall be scarified or disked parallel to the slope contour to a minimum depth of four (4) to six (6) inches in preparation for seeding. Seedbed preparation shall not occur more than three days prior to seeding. The Contractor shall notify the Engineer's Revegetation Specialist not less than 48 hours in advance of any seeding, and shall not begin seeding until the prepared treatment areas have been approved.

3. Seed

Seed shall be clean, new crop seed purchased pre-mixed on a Pure Live Seed basis. Large and small sized seed, as defined in the Tables below shall be ordered as separate mixes to be broadcast in separate applications. Seed shall be delivered to the site in original unopened containers bearing the dealer's guaranteed analysis and germination percentage, and shall meet the freedom from noxious weeds requirements as defined by the Nevada Department of Agriculture.

No substitutions in the seed mixtures will be accepted without written approval from the Engineer's Revegetation Specialist.

Seed Mixture:

SPECIES	PURE LIVE SEED POUNDS per ACRE	
	SMALL SEED MIXTURE	LARGE SEED MIXTURE
<i>Chrysothamnus nauseosus</i> Rabbitbrush Rubber	0.5	
<i>Ephedra viridis</i> Mormon Tea Green	1.0	
<i>Elymus lanceolatus ssp. psammophilus</i> 'Sodar' Streambank Wheatgrass		4.0

<i>Prunus andersonii</i> Desert Peach	1.0	
<i>Leymus cinereus</i> 'Magnar' Great Basin Wildrye		3.0
<i>Poa sandbergii</i> Blurgrass Sandberg	1.0	
<i>Achnatherum hymenoides</i> Indian ricegrass rimrock		2.0
<i>Artemisia tridentate ssp. wyomingensis</i> Sagebrush Big Wyoming	0.5	
<i>Purshia tridentata</i> Bitterbrush		1.0
Total PLS Pounds Per Acre	4.0	10.0

3. Broadcast Seed Application

The Contractor shall provide the Engineer's Revegetation Specialist a written statement or site demonstration to verify that the seeding broadcast equipment has been calibrated to the specified application rates.

The Engineer's Revegetation Specialist shall remove seed labels from the seed sacks at the time of seeding. Seed labels will include documentation for each type of seed certifying that a recognized laboratory tested the seed within 6 months of the date of delivery. Certification shall include the following:

- a. Name and address of testing laboratory.
- b. Date of test.
- c. Seed identification – Scientific and Variety names, Lot Number, and Net Weight.
- d. Test results showing the percentages of purity, germination, and weed content.
- e. Noxious weed-free certification.

Seeding shall not occur under conditions that would allow the seed to become wind born.

Seed shall not be incorporated and applied with a hydromulch application.

Prepared seedbeds shall be uniformly broadcast seeded. Small four-wheel drive off road vehicles (Quads) equipped with electric rotary broadcast seeders may be used for seeding, or seed may be broadcast with hand operated canister type seeders. Large and small size seed shall be broadcast in separate applications. Immediately following broadcasting, the seeded areas shall be lightly hand-raked to place the seed at a depth of ¼ to ½ inch into the soil. If a Quad vehicle is used for seeding, a small harrow drag behind the quad will be an acceptable method of raking as long as seed is covered with the proper depth of ¼ to ½ inch.

4. Mulching shall be done immediately following seeding to prevent seed loss by wind activity and to provide favorable conditions for plant growth. Under no circumstances shall seeded areas be left overnight without receiving completed mulch treatments.

Hydromulch application shall not occur when temperatures are less than 40 degrees F.

All surfaces to be treated shall be lightly sprayed with water immediately prior to application. The emulsion shall be diluted with water as per the manufacturer's recommendation, and on drying form a net-like film. The dried film permeability shall allow exchange of air and moisture, have an effective life of at least one year, and shall not re-emulsify when cured. The hydromulch slurry shall consist of:

Tackifier:

The tackifier agent in the hydromulch slurry shall be a Psillium-seed based natural tackifier applied at a rate of 1200 pounds per acre, or per the manufacturer's recommendation.

Fertilizer:

Fertilizer shall consist of complete, granular, slow release formula 17-7-12 (Nitrogen: Phosphorus: Potassium ratio). Fertilizer shall be incorporated and applied with the hydromulch application at a rate of 150 pounds per acre.

Wood Fiber Mulch:

Mulch shall consist of specially prepared wood fibers from whole wood chips. Wood fiber mulch shall contain no growth or germination inhibiting factors, and shall be colored green with a non-toxic dye to facilitate visual metering during application. Wood fiber mulch shall disperse rapidly in water to form a homogeneous slurry, and remain in such state when agitated in the hydraulic mulching unit. Wood fiber mulch shall be incorporated into the hydromulch slurry at a rate of 1,500 pounds per acre.

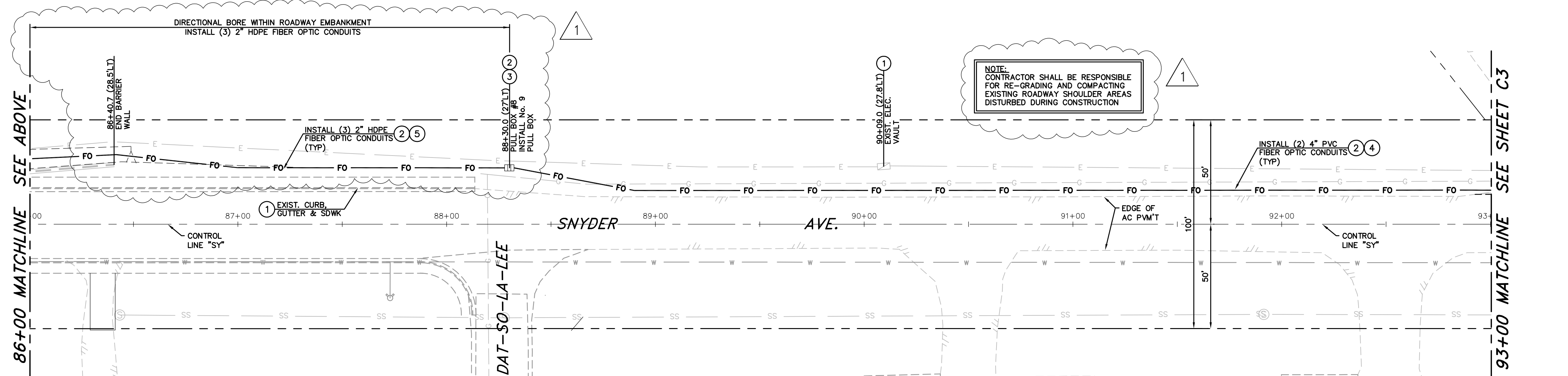
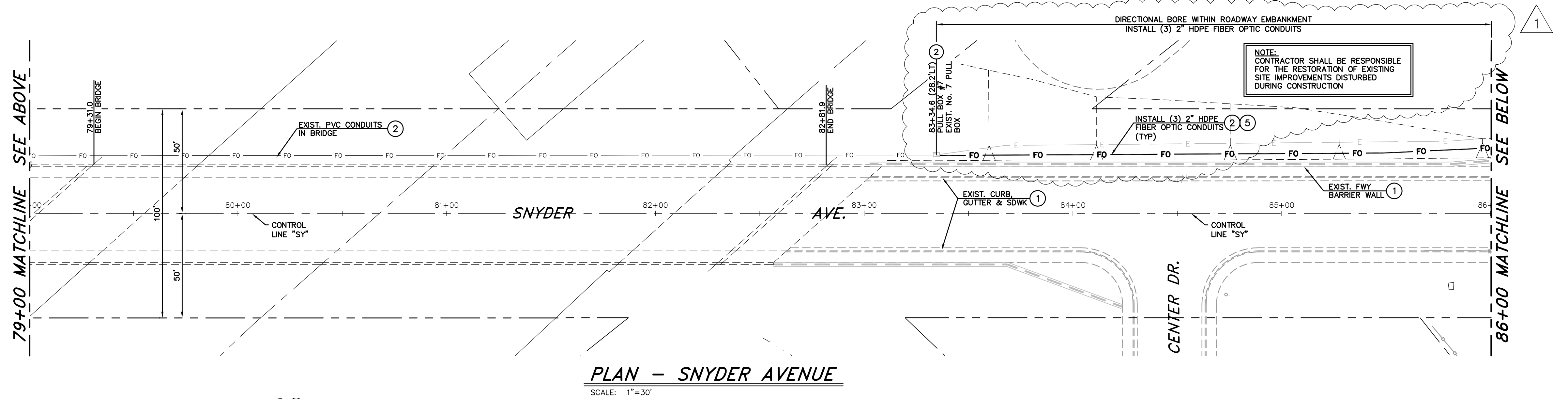
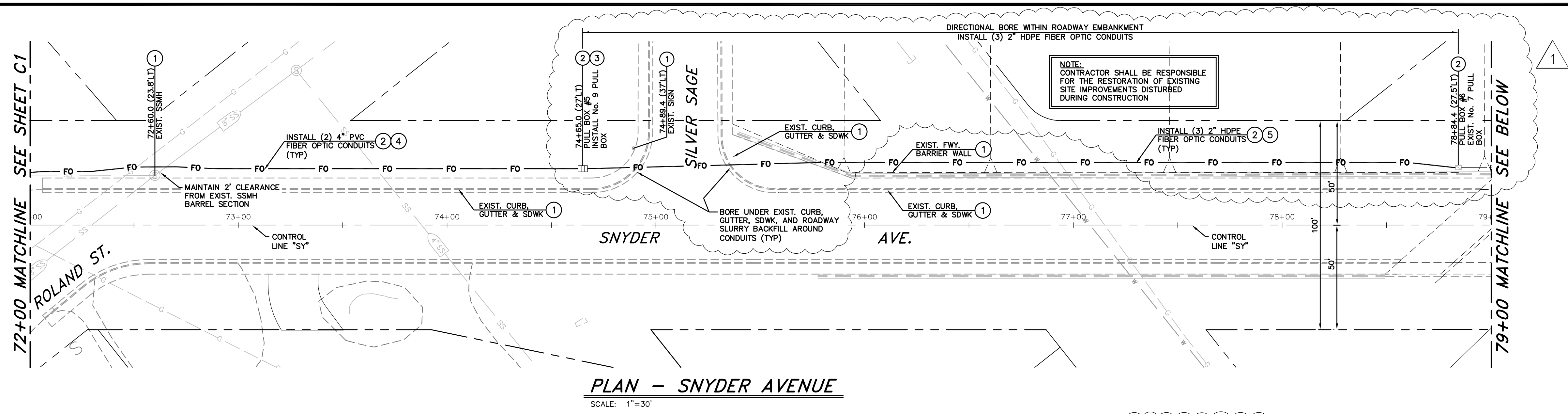
PROJECT : Dispatch Center to Public Works Fiber Optic & Community Center to Public Works Fiber Optic

LOCATION : Carson City, NV

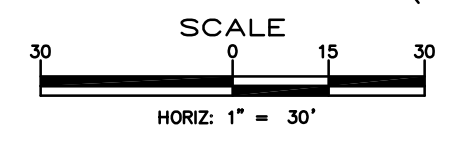
ITEM	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
	Schedule A:				
BP. 1	Mobilization, De-Mobilization & Clean Up	LS	1		
BP.2	Traffic Control	LS	1		
BP.3	Install 2-4" PVC Conduits	LF	3,910		
BP.4	Install No. 9 Pull Box with Extensions	EA	8		
BP.5	Place Fiber	LF	45,000		
BP.6	End Fusion Splice	EA	216		
BP.7	Midspan Fusion Splice	EA	24		
BP.8	Remove Existing Asphalt	SF	2,550		
BP.9	Permanent Asphalt Patch	SF	2,550		
BP.10	Penetrate Into Dispatch	LS	1		
BP.11	Over Excavation of Unsuitable Materials	CY	25		
BP.12	Bore and Install 3-2" HDPE Conduits	LF	950		
BP.13				Total Bid Price	

BP.14 Total Bid Price Written in Words: _____

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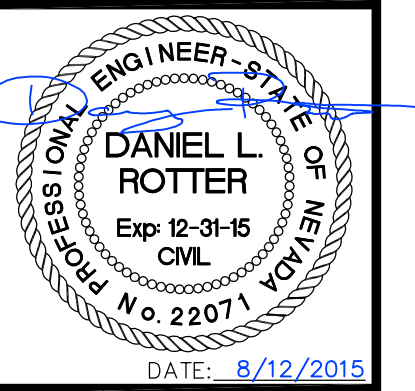


- CONSTRUCTION NOTES:**
- 1 PROTECT-IN-PLACE
 - 2 INSTALL CITY FURNISHED, 72 STRAND FIBER OPTIC CABLE IN NEW/EXISTING CONDUIT, (PROVIDE EXTRA SLACK CABLE IN PULL BOXES AS INDICATED)
 - 3 INSTALL TRAFFIC RATED CONCRETE PULL BOX WITH, BOLT DOWN, TRAFFIC RATED STEEL COVER MARKED "FIBER OPTIC" (SIZE PER PLAN), PER DETAIL 2, SHEET C25.
 - 4 INSTALL TWO 4" DIAMETER, SCH 40 PVC CONDUITS WITH PULL ROPE, PER TYPICAL TRENCH SECTION.
 - 5 INSTALL THREE 2" DIAMETER, HDPE CONDUITS WITH PULL ROPE, IN BORE LOCATIONS AS NOTED.



DESIGNED BY: DGR/DSA
DRAWN BY: DGR
CHECKED BY: DSA/DLR
DWG NO.: 2-1503-FO-CENTRING
SCALE (HORIZ): 1"=30'
SCALE (VERT): N/A
PLOT DATE: 7/13/15

CARSON CITY PUBLIC WORKS DEPARTMENT
3505 BUTTI WAY CARSON CITY, NEVADA 89701
PH: 775-887-2355 FAX: 775-887-2112



REV	DATE	DESCRIPTION	BY	APP'D
1	8/12/15		DGR	DLR

CARSON CITY FIBER OPTIC DISPATCH CENTER to PUBLIC WORKS PROJECT No. 2-1503 SNYDER AVENUE LAYOUT PLAN 72+00 to 93+00

SHEET
C2
OF
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