July 17, 2020

RFP# 2020-0220-PW/CW
Construction Services for the Canoncito-Eldorado Waterline Project

ADDENDUM #3
*****ADDITIONAL INFORMATION *****

Dear Proponents,

This addendum is issued to reflect the following immediately. It shall be the responsibility of interested Offerors to adhere to any changes or revisions to the IFB as identified in this Addendum No. 3. This documentation shall become permanent and made part of the departmental files.

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Please note that the Santa Fe County Public Works Department and the Purchasing Division for the County have provided additional information relating to the Request for Proposals # 2020-0220-PW/CW.

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RESPONSES TO QUESTIONS
Responses are shown in bold.

1. There is a conflict between the drawings W-104 and W-107. Keyed Note #18 on W-104 calls for Aluminum Grating and detail #15 on W-107 calls for galvanized grating for the upper landing. Can we supply galvanized grating for the upper landing and stair treads?
   Response: **Change Keyed Note #18 on Sheet W-104 to read:**
   "UPPER LANDING AND STAIR TREADS: 1-1/2" GALVANIZED STEEL GRATING, SERRATED. SEE DETAILS ON SHEETS W-105, W-106, AND W-107."

2. Can the handrail shown on detail #9 on drawing W-107 just be painted to match tank? If galvanized there will be weep holes throughout the rail for venting the galvanizer.
   Response: **Change note on Partial Stair Elevation, Detail 9, Sheet W-107 to read:**
   "1 ½" SCHEDULE 40 STEEL HANDRAIL, PAINT TO MATCH TANK."

3. Contract drawings W-104 & W-105 calls out "Hondo Fire Storage Tank". Is this a fire protection tank that would require insulation or a heater per NFPA-22?
   Response: **NFPA 22 applies to private fire protection and does not apply to this public water supply project. No insulation or heater is required.**

4. Section 01 51 00. Are contractors allowed to obtain water from the Rancho Viejo tank feeder line?
   Response: **The Contractor will be required to obtain an independent water source**

5. What is the cost of construction water?
   Response: **The Contractor is required to identify and procure water at their own expense.**

6. If not from the Rancho Viejo line, where is construction water available?
   Response: **Contractor is required to identify and procure water at their own expense.**

7. Section 01 52 13. Is the field office for Engineers Representative required?
   Response: **There is no physical office for the Engineers Representative required for this project.**

8. Question: Is the Santa Fe County Hondo #2 Fire Storage Tank that was specified to contain a submersible mixer the same tank as the Cañoncito-Eldorado Waterline Fire Water Tank that is currently out for bid?
   Response**: Yes. The submersible mixer is specified in Section 33 16 97 - Water Storage Tank Submersible Mixers**.

9. RFP Page 7, General Description of Work Sequence.
   a. September, 2020 is the date set forth to complete Phase I. Can you confirm? Is the date intended to be September, 2021?
   b. Item C states that Phase 2 cannot begin until Phase 1 is complete. We would like to request that Phase 2 be allowed to begin concurrently with Phase 1. This would allow for a more rapid completion of the project.

   Response: **As stated on June 26th in Addendum #1, Question #4, "There is a deadline for water delivery to the Village of Canoncito by December 14, 2020. This may be accomplished from the water supply of Eldorado per Phase III of the RFP 2020-0220-PW/CW." Please be advised that the deadline of December 14th is required to meet funding obligations for Phase II Construction in the Village of Canoncito, that has already commenced.**

10. There is no item for Trenching and Backfilling for the 6" waterline, as there is on the base bid schedule. Can an item for T&B of 6" WL be added to the Add Alt #1 bid schedule?
    Response: **A line item for costs for the Trenching and Backfilling for the 6" waterline is now inserted in the revised Proposed Cost form (see attachments to this addendum).**

11. Contractor's Qualification Package – Technical Response. Will the Contractor's Health and Safety Plan count toward the 50-page limit? (Most of these Plans are larger than 50 pages themselves)
    Response: **The Health and Safety Plan is to be included in Volume 1, Technical Response, Appendices m. It will not count in the 50-page limit.**

12. Sheet W-229. Jack and Bore at STA 102+76:
    a. Plans are calling for 2 bores at this location? 1 for each 6" Line.

Response: **Only one Jack and Bore will be conducted, 6" PRV relief line will be placed alongside the 6" DIP stub-out line in one single 14" casing, as described in the note on Sheet W-229.**

b. Should bid item Add Alternate #1 be revised to show 1,000 lf if there is in fact 2 bores at STA 102+76?
Response: **No. Only one Jack and Bore for both lines.**

c. Is top of pipe elevations available? FH at the north end of the bore is shown, but no cut. From the drawings and our site visit, the ground at the approximate location of the FH is 7-8' above the surface of the Old Las Vegas Highway. Is it the intent to have the waterline at 13' bury, or are vertical bends going to be required?
Response: **4' minimum cover over all waterlines is required.**

d. South end of the bore, the tee is shown approximately 30' south of the shoulder stripe. This would put the tee and most of the PRV station past the edge of the existing vertical rock surface. Is it the intent of the design to remove the entirety of the rock wall? If so what are the removal limits? Can a separate bid item be created for this work?
Response: **Jack and Bore moved to Station 101+56 to avoid large rock ledge. Reissue of sheet W-229 with this Addendum.**

e. If the rock will have to be removed, will blasting be required?
Response: **Blasting is not allowed per Rock Excavation Specification Section 31 23 18, Paragraph 3.02 A.**

13. Will rock excavation required for bore pits be paid for under the rock excavation bid items?
Response: **Rock Excavation for Jack and Bore pits will be paid under the Jack and Bore bid items. Bid form adjusted to reflect this and will be reissued with this Addendum.**

14. Are pump station suction and discharge header isolation valves required within the building? None are shown on Dwg W-101
Response: **No. The pump station can be isolated by a buried valve on the suction side, and an isolation valve in the meter vault on the discharge side.**

15. Specification Section 43 23 32 Paragraph 2.02.I.3 requires pressure gauges on the suction and discharge sides of each pump while Dwg W-101 only shows gauges on the suction and discharge headers. Please confirm the required location of gauges.
Response: **Provide pressure gauges on inlet and outlet of each pump, as specified in Section 43 23 32, 2.02 I.4.**

16. Specification Section 43 23 32 Paragraph 2.02.L.4 states "Provide standalone Allen Bradley Programmable Logic Controller (PLC)…" Is it the intent for the PLC to be contained within a separate enclosure (standalone) or within the main Power and Control Panel?
Response: **The PLC will be housed in the same panel as the VFDs and other equipment. The control/power panel is noted on Sheet W-101 as Keyed Note 7.**

17. Please provide specific model number required for the Allen Bradley PLC. Is the AB Micrologix 1400 with 12" HMI screen acceptable?
Response: **The Micrologix 1400 with 12" HMI screen is acceptable.**

18. Specification Section 43 23 32 Paragraph 2.02.G specifies an industrial style butterfly valve that is not available to meet NSF-61 requirements for drinking water. Please verify this is acceptable or update paragraph to require flanged AWWA style butterfly valves meeting AWWA C504 with NSF-61 approvals.
    Response: **Revise paragraph 43 23 32, 2.02 G. to read as follows:**
    "G. Butterfly Isolation Valves: Lug style compatible with ANSI Class 150 lb. pattern flanges, meets intent of AWWA C504, certified NSF/ANSI 61 water quality, certified NSF/ANSI 372 lead free, one-piece ductile iron body, fusion bonded epoxy coating, Type 316 stainless steel disc, EPDM seat in body, 10-position locking lever handle, 200 psi pressure rating, bi-directional bubble tight close off, Pro Valve Series 500-LF, or Engineer reviewed equivalent."

19. Specification Section 43 23 32 Paragraph 3.05.D Pressure Relief Valve – Please clarify whether a stainless steel seat and a stainless steel pilot system with gauges are required for consistency with other control valves on the project.
    Response: **Add new paragraph 3.05 D. 11 to Section 43 23 32 as follows:**
    "11. Furnish skid-mounted Pressure Relief Valve with stainless steel seat, stainless steel pilot system, and inlet and outlet pressure gauges, to be consistent with other control valves on the Project furnished under Specification 40 27 02.13 – Self-Contained Control Valves."

20. Please further clarify Addendum 2 Question 26 – If "electrical connections are not included" then shall paragraphs 8.d&e for all 4 valves in this section be replaced with a simple "visual position indicator"?
    Response: **Revise the following paragraphs in Specification 40 27 02.13 – Self-Contained Control Valves, for the three control valves located in the PRV Vault on Pipe Line 3 as follows:**

    "3.03 B.8.d. Visual Position Indicator.
    3.03 B.8.e. Not used.

    "3.03 C.8.d. Visual Position Indicator.
    3.03 C.8.e. Not used.

    "3.03 D.8.d. Visual Position Indicator.
    3.03 D.8.e. Not used."

ATTACHMENTS
Addendum #3 Drawings
Addendum #3 Revised Projected Cost Sheets

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Please add this Addendum #3 to the original proposal documents and refer to proposal documents, hereto as such. This and all subsequent addenda will become part of any resulting contract documents and have effects as if original issued. All other unaffected sections will have their original interpretation and remain in full force and effect. Offerors are reminded that any questions or need for clarification must be addressed to Coralie Whitmore, Senior Procurement Specialist at cgwhitmore@santafecountynm.gov

Santa Fe County - Canoncito-Eldorado Waterline
BProjected Cost Sheets

BID					
Item No.	Description	Unit	Quantity	Unit Price	Amount
Bid Lot 1:	**Water Transmission Line #1 (Sheets: W-202 to W-218)**				
1.01	Horizontal wet tap connection to existing 16-inch ductile iron pipe shown on Sheet W-202 (Station 10+00), including: excavation, backfill, wet tap connection and 12" tapping valve, valve box, fittings, pipe, installation, all appurtenances, and all incidental work, complete in place.	LS	1		
1.02	Vertical wet tap connection to existing 16-inch ductile iron pipe for 3-inch air valve shown on Sheet W-202, including: excavation, backfill, wet tap connection and 4" tapping valve, fittings, pipe, installation, all appurtenances, and all incidental work, complete in place.	LS	1		
1.03	Connection Detail 1, including: piping, fittings, and all appurtenances, complete in place, excluding Pipe. (Connection Detail W-508) Stations: 54+10, 90+63, 116+85, 130+69, and 162+95.	LS	5		
1.04	8-inch Polyvinyl Chloride Pipe, including: pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components for corrosion protection, and all incidental work, complete in place.	LF	100		
1.05	12-inch Polyvinyl Chloride Pipe, including: pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components for corrosion protection, and all incidental work, complete in place.	LF	15,505		
1.06	Trenching for 8-inch water transmission line for limits shown on Drawings, including: trenching, backfill, compaction, shoring, riprap, all associated appurtenances, and incidental work, complete in place. Excluding HDD pits.	LF	100		
1.07	Trenching for 12-inch water transmission line for limits shown on Drawings, including: trenching, backfill, compaction, shoring, riprap, all associated appurtenances, and incidental work, complete in place. Excluding HDD pits.	LF	15,505		

1.08	Rock Excavation for waterlines; include removal and disposal of unsuitable backfill material, and supply and hauling of imported backfill material. Does not include placement and compaction of backfill.	LF	500		
1.09	Pressure testing, flushing, and disinfection of all waterlines, including: all temporary piping connections, hauling or pumping of water as needed, all incidental work to complete the work, and bacteriological testing costs.	LF	20,200		
1.10	Pipe Detection System and Pipe Markers, including: underground cable tracing equipment, identification tape, tracer wire and terminal boxes, pipe markers, field testing of tracer wire, install tracer wire and identification tape continuously in trench over all pipe and valves, and all incidental work, complete in place. Excludes tracing wire in horizontal directional drills.	LF	15,605		
1.11	8-inch Buried Valves, including fittings, external restraint devices and valve box, complete in place.	EA	5		
1.12	12-inch Buried Valves, including fittings, external restraint devices and valve box, complete in place.	EA	15		
1.13	1-inch, 2-inch and 3-inch Combination Air Valve Stations, including: precast manhole vault, piping, insulated wraps, all appurtenances, and all incidental work, complete in place.	EA	11		
1.14	Flushing Port Station, including: piping, fittings, valve with box, concrete pad, and all appurtenances, complete in place.	EA	8		
1.15	HDD - Pull head rental fee	LS	1		
1.16	Pair of HDD pits, to include earthwork, stabilization and shoring.	EA	8		
1.17	Arroyo Crossing 1 - Horizontal Directional Drill (HDD), 14-inch HDPE pipe, Station 31+47 to Station 42+73 (1,126 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires, and all incidental work, complete in place.	LF	1,126		

1.18	Arroyo Crossing 2 - Horizontal Directional Drill (HDD), 14-inch HDPE pipe, Station 72+15 to Station 80+21 (806 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires, and all incidental work, complete in place.	LF	806		
1.19	Arroyo Crossing 3 - Horizontal Directional Drill (HDD), 14-inch HDPE pipe, Station 102+57 to Station 109+45 (688 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	688		
1.20	Arroyo Crossing 4 - Horizontal Directional Drill (HDD), 14-inch HDPE pipe, Station 113+53 to Station 116+08 (255 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	255		
1.21	Arroyo Crossing 5 - Horizontal Directional Drill (HDD), 14-inch HDPE pipe, Station 131+56 to Station 137+33 (577 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	577		
1.22	Arroyo Crossing 6 - Horizontal Directional Drill (HDD), 14-inch HDPE pipe, Station 147+12 to Station 151+75 (463 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	463		

1.23	Arroyo Crossing 7 - Horizontal Directional Drill (HDD), 14-inch HDPE pipe, Station 180+07 to Station 183+89 (382 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	382		
1.24	Arroyo Crossing 8 - Horizontal Directional Drill (HDD), 14-inch HDPE pipe, Station 194+04 to Station 197+02 (298 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	298		
1.25	County-to-District Connection Vault - Water Master Meter: All work associated with the installation of the Water meter, all fittings and appurtenances, trenching, backfilling, compaction, and all incidental work. See Sheet W-218 and W-510.	LS	1		
1.26	Revegetative Seeding of all areas scheduled in the Construction Notes on Sheet G-002, including: all work, all appurtenances and incidental work for all open-cut trenching, complete in place.	LF	15,605		
Bid Lot 2:	**Water Transmission Line #2 (Sheets: W-220 to W-222)**				
2.01	Remove 8" Cap and Connect to waterlines extension from the District's Master Meter Flow Control Valve Vault, Including All materials. All work associated with the connection, all fittings and appurtenances, trenching, backfilling, compaction. Connection at Existing EAWSD Meter, See Sheet W-220.	LS	1		
2.02	8-inch Polyvinyl Chloride Pipe, including: pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components for corrosion protection, and all incidental work, complete in place.	LF	2,354		
2.03	Trenching for 8-inch water transmission line for limits shown on Drawings, including: trenching, backfill, compaction, shoring, riprap, all associated appurtenances, and incidental work, complete in place. Excluding HDD Pits	LF	2,354		

2.04	Rock Excavation for waterlines; include removal and disposal of unsuitable backfill material, and supply and hauling of imported backfill material. Does not include placement and compaction of backfill.	LF	589		
2.05	Pressure testing, flushing, and disinfection of all waterlines, including: all temporary piping connections, hauling or pumping of water as needed, all incidental work to complete the work, and bacteriological testing costs.	LF	2,972		
2.06	Pipe Detection System and Pipe Markers, including: underground cable tracing equipment, identification tape, tracer wire and terminal boxes, pipe markers, field testing of tracer wire, install tracer wire and identification tape continuously in trench over all pipe and valves, and all incidental work, complete in place. Excludes tracing wire in horizontal directional drills.	LF	2,354		
2.07	8-inch Buried Valves, including fittings, external restraint devices and valve box, complete in place.	EA	2		
2.08	1-inch, 2-inch and 3-inch Combination Air Valve Stations, including: precast manhole vault, piping, insulated wraps, all appurtenances, and all incidental work, complete in place.	EA	6		
2.09	Horizontal Directional Drill (HDD), 8-inch HDPE pipe, Station 29+52 to Station 30+20 (68 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	68		
2.10	Horizontal Directional Drill (HDD), 8-inch HDPE pipe, Station 31+70 to Station 35+80 (410 feet): including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	410		

2.11	Horizontal Directional Drill (HDD), 8-inch HDPE pipe, Station 36+00 to Station 37+40 (140 feet); including: all work associated with the HDD work, restrained transition couplings, all fittings and appurtenances, mud disposal, unloading, staging, installation, pipe rollers, earthwork, site power, diesel fuel, fittings for connection work, installation of 3 10-gauge insulated tracer wires and all incidental work, complete in place.	LF	140		
2.12	HDD - Pull head rental fee	LS	1		
2.13	Pair of HDD pits, to include earthwork, stabilization and shoring.	EA	3		
2.14	Revegetative Seeding of all areas scheduled in the Construction Notes on Sheet G-002, including: all work, all appurtenances and incidental work for all open-cut trenching, complete in place.	EA	2,354		
Bid Lot 3:	**Water Transmission Line #3 (Sheets W-223 to W-238)**				
3.01	6-inch Polyvinyl Chloride Pipe, including: pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components for corrosion protection, and all incidental work, complete in place.	LF	569		
3.02	8-inch Polyvinyl Chloride Stubout Pipes, including: pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components for corrosion protection, and all incidental work, complete in place.	LF	3,995		
3.03	10-inch Polyvinyl Chloride Pipe, including: pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components for corrosion protection, and all incidental work, complete in place.	LF	15,051		
3.04	6-inch Ductile Iron Carrier Pipe for Jack and Bore, Including pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components and ductile iron pipe for corrosion protection, and all incidental work, complete in place.	Not Used	0		
3.05	10-inch Ductile Iron Carrier Pipe for Jack and Bore, Including pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components and ductile iron pipe for corrosion protection, and all incidental work, complete in place.	LF	167		

3.06	Trenching for 6-inch water stubout lines for limits shown on Drawings, including: trenching, backfill, compaction, shoring, riprap, all associated appurtenances, and incidental work, complete in place.	LF	569		
3.07	Trenching for 8-inch water transmission line for limits shown on Drawings, including: trenching, backfill, compaction, shoring, riprap, all associated appurtenances, and incidental work, complete in place.	LF	3,995		
3.08	Trenching for 10-inch water transmission line for limits shown on Drawings, including: trenching, backfill, compaction, shoring, riprap, all associated appurtenances, and incidental work, complete in place.	LF	15,148		
3.09	Rock Excavation for waterlines; include removal and disposal of unsuitable backfill material, and supply and hauling of imported backfill material. Does not include placement and compaction of backfill.	LF	1,000		
3.10	Pressure testing, flushing, and disinfection of all waterlines, including: all temporary piping connections, hauling or pumping of water as needed, all incidental work to complete the work, and bacteriological and radionuclides testing costs.	LF	19,782		
3.11	Pipe Detection System and Pipe Markers, including: underground cable tracing equipment, identification tape, tracer wire and terminal boxes, pipe markers, field testing of tracer wire, install tracer wire and identification tape continuously in trench over all pipe and valves, and all incidental work, complete in place. Includes tracing wire in jack and bores	LF	19,782		
3.12	6-inch Buried Valves, including fittings, external restraint devices and valve box, complete in place.	EA	10		
3.13	8-inch Buried Valves, including fittings, external restraint devices and valve box, complete in place.	EA	3		
3.14	10-inch Buried Valves, including fittings, external restraint devices and valve box, complete in place.	EA	14		
3.15	1-inch, 2-inch and 3-inch Combination Air Valve Stations, including: precast manhole vault, piping, insulated wraps, all appurtenances, and all incidental work, complete in place.	EA	6		

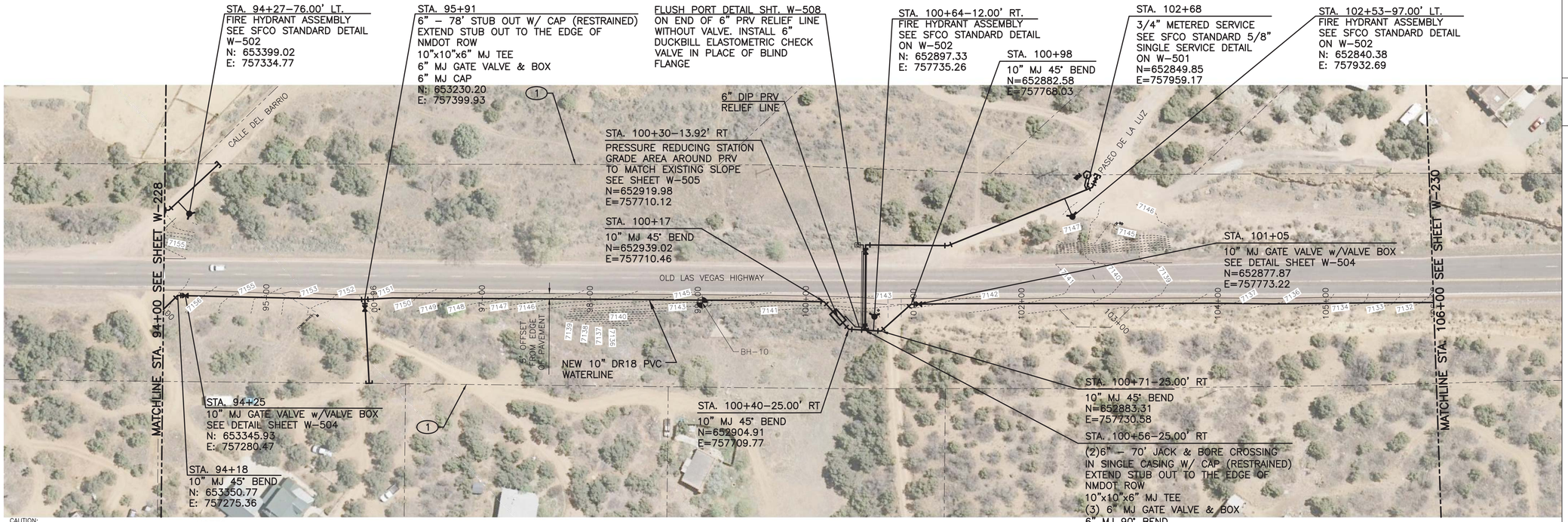
3.16	Fire Hydrant Assembly, including hydrant, gate valve and valve box, piping, fittings, external restraint devices, all appurtenances, and all incidental work, complete in place.	EA	24		
3.17	5/8" Residential water single service connection and meter box assembly, including saddle tap, corporation stop, service line, meter yoke and tubing, and all associated appurtenances, and all incidental work, complete in place for properties adjacent to the waterline. See Detail Sheet W-501.	EA	22		
3.18	5/8" Residential water double service connection and meter box assemblies, including saddle tap, corporation stop, service line, meter yoke and tubing, and all associated appurtenances, and all incidental work, complete in place for properties adjacent to the waterline. See Detail Sheet W-501.	EA	3		
3.19	Horizontal Directional Drilling under Old Las Vegas Highway for residential water service connections, see sheet W-513.	LF	1,010		
3.20	Jack and bore underneath Old Las Vegas HWY For 10" Waterline (18" CASING) Including: Materials, Bore pits, Rock Excavation, Complete in Place, Excluding Carrier pipe. See sheet W-232	LF	70		
3.21	Not Used	Not Used	0		
3.22	Open-Cut Trench through the Arroyo For 10" Waterline (18" CASING) Including: Materials, bore pits, Rip-Rap, Flowable lean Backfill, Complete in Place, Excluding Carrier pipe. See Sheet W-223	LF	97		
3.23	10" waterline offset around culvert on Old Las Vegas HWY including flowable lean backfill. See Sheet W-235.	LS	1		
3.24	PRV Station, Complete In Place	LS	1		
3.25	Revegetative Seeding of all areas scheduled in the Construction Notes on Sheet G-002, including: all work, all appurtenances and incidental work for all open-cut trenching, complete in place.	LF	19,712		
Bid Lot 4:	**Hondo 2 Fire Storage Tank**				
4.01	157,000 Gallon Ground Steel Tank, complete in place. Including tank disinfection, area sitework, yard piping, tank engineered fill and ring wall foundation and asphalt base, access stairway, overflow structure, rip-rap, retention pond and appurtenances and tank foundation.	LS	1		

4.02	Tank Mixer and Davit Crane, Complete in Place	LS	1		
4.03	Altitude Control Valve Vault. Include control valve, piping, valve vault structure, excavation and backfill, all appurtenances, and incidental work, complete in place.	LS	1		
4.04	Fire Hydrant assembely at Tank	EA	1		
4.05	8" Isolation gate valve before and 12" Isolation gate valve after storage tank including, fittings, external restraint devices, and valve boxes, complete in place.	LS	1		
Bid Lot 5:	**Hondo 2 Pump Station and Yard Piping**				
5.01	Construct Pump station building with concrete masonry unit walls with a metal truss roof and roofing system, including: foundation requirements, subgrade preparation, fill material, structural work, pump skid system, discharge hydropneumatic tank assembly, piping systems, gantry crane, architectural work and features, HVAC and plumbing work, coating systems, all appurtenances, including riprap swale, and all incidental work, complete in place.	LS	1		
5.02	Site Work for Pump Station. Include clearing and grubbing, all grading and drainage work, retention pond, subsurface drain, gravel surfaces, drive pad, sidewalk, removal of existing pavement and or foundations, tree removal, removal of containers, removal of all other material located on site, all appurtenances, and all incidental work, complete in place.	LS	1		
5.03	Yard Piping for Pump Station and Tank Site. Construct all piping work from the altitude valve vault to the meter vault, including connection to and from the Tank and connection to the fire station, including: trenching, backfill, compaction, pipe, fittings, fire hydrant assembly, isolation valves, restraint devices, installation in trench, all appurtenances, and all incidental work, complete in place.	LS	1		
5.04	Meter Vault. Include meter and transmitter, piping, fittings, vault structure, excavation and backfill, all appurtenances and incidental work, Complete in Place.	LS	1		

5.05	Electrical Power, Diesel Engine Generator, Controls and Instrumentation associated with the Tank and Pump Station. Coordinate with PNM for construction of extension of underground primary electrical service.	LS	1		
Bid Lot 6:	**Other Project Construction Requirements**				
6.01	Mobilization, Insurance, and Bonds.	LOT	1		
6.02	Demobilization and Submittal of All Closeout Documents.	LOT	1		
6.03	Traffic Control	LS	1		
6.04	Prepare and execute Storm Water Pollution Prevention Plan (SWPPP)	LS	1		
6.05	Construction Staking by New Mexico Registered Surveyor and Record	LS	1		
6.06	Relocation of Underground Utilities Allowance	ALLOW	1	$300,000.00	$300,000.00
6.07	Testing Allowance	ALLOW	1	$125,000.00	$125,000.00
6.08	Electrical Service Allowance	ALLOW	1	$30,000.00	$30,000.00
6.09	Pre-Authorized Changes During Construction Allowance	ALLOW	1	$150,000.00	$150,000.00
6.10	Residential Water Meter Allowance	ALLOW	1	$6,800.00	$6,800.00

	Additive Alternative 1:				
1	Jack and bore underneath Old Las Vegas HWY For 6" Waterline Stubouts (14" CASING) Including: Materials, Bore pits, Rock Excavation, Complete in Place, Excluding Carrier pipe.	LF	930		
2	6-inch Polyvinyl Chloride Pipe, including: pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components for corrosion protection, and all incidental work, complete in place.	LF	845		
3	6-inch Ductile Iron Carrier Pipe for Jack and Bore, Including pipe, all fittings, restraint devices, installation in trench, wrapping of metallic fitting components and ductile iron pipe for corrosion protection, and all incidental work, complete in place.	LF	1050		

4	Trenching for 6-inch water stubout lines for limits shown on Drawings, including: trenching, backfill, compaction, shoring, riprap, all associated appurtenances, and incidental work, complete in place.	LF	845		
5	Rock Excavation for waterlines; include removal and disposal of unsuitable backfill material, and supply and hauling of imported backfill material. Does not include placement and compaction of backfill.	LF	100		
6	Pressure testing, flushing, and disinfection of all waterlines, including: all temporary piping connections, hauling or pumping of water as needed, all incidental work to complete the work, and bacteriological testing costs.	LF	1895		
7	Pipe Detection System and Pipe Markers, including: underground cable tracing equipment, identification tape, tracer wire and terminal boxes, pipe markers, field testing of tracer wire, install tracer wire and identification tape continuously in trench over all pipe and valves, and all incidental work, complete in place. Includes tracing wire in jack and bores	LF	1895		
8	6-inch Buried Valves, including fittings, external restraint devices and valve box, complete in place.	EA	25		
9	Fire Hydrant Assembly, including hydrant, gate valve and valve box, piping, fittings, external restraint devices, all appurtenances, and all incidental work, complete in place.	EA	9		



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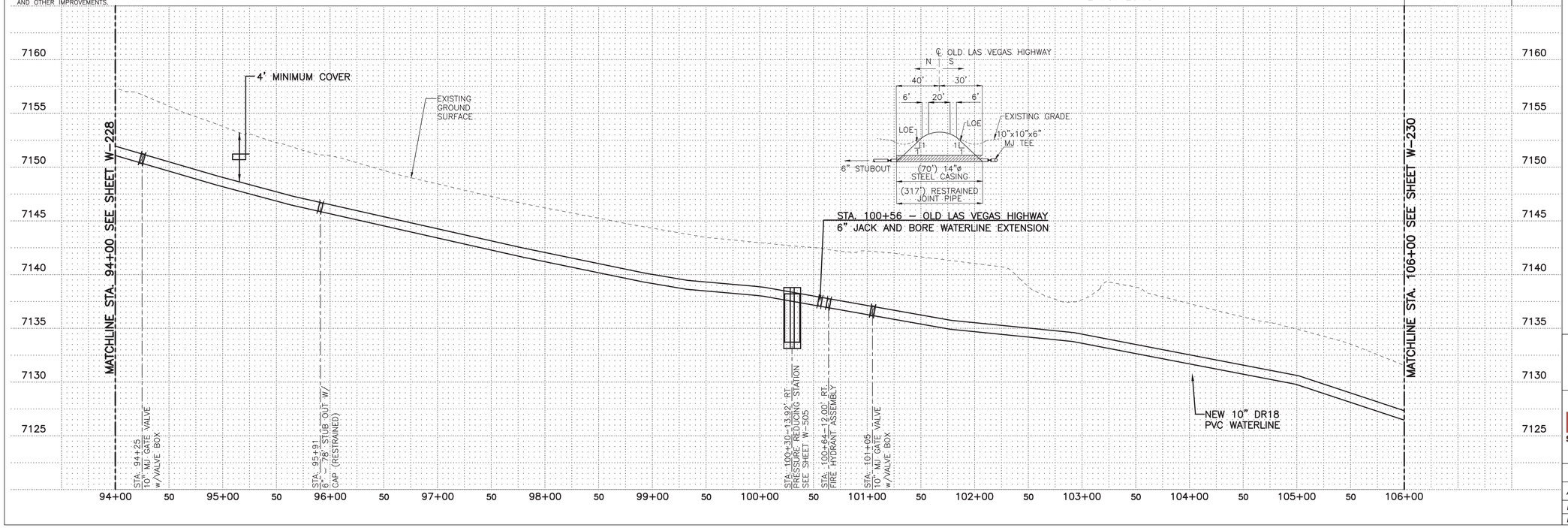

MOLZENCORBIN

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NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

KEYED NOTES

(1) NMDOT ROW

ADDENDUM 3 DRAWING

1. WATER METERED SERVICE ADDRESS ADDED
2. WATER METERED SERVICE ADDED
3. JACK AND BORE CROSSING RELOCATED
4. PRV VAULT RELOCATED

REVISION		
SYMBOL	DATE:	BY:

SANTA FE COUNTY
UTILITIES DIVISION 424 NM 599, SANTA FE, NM 87507

SANTA FE COUNTY

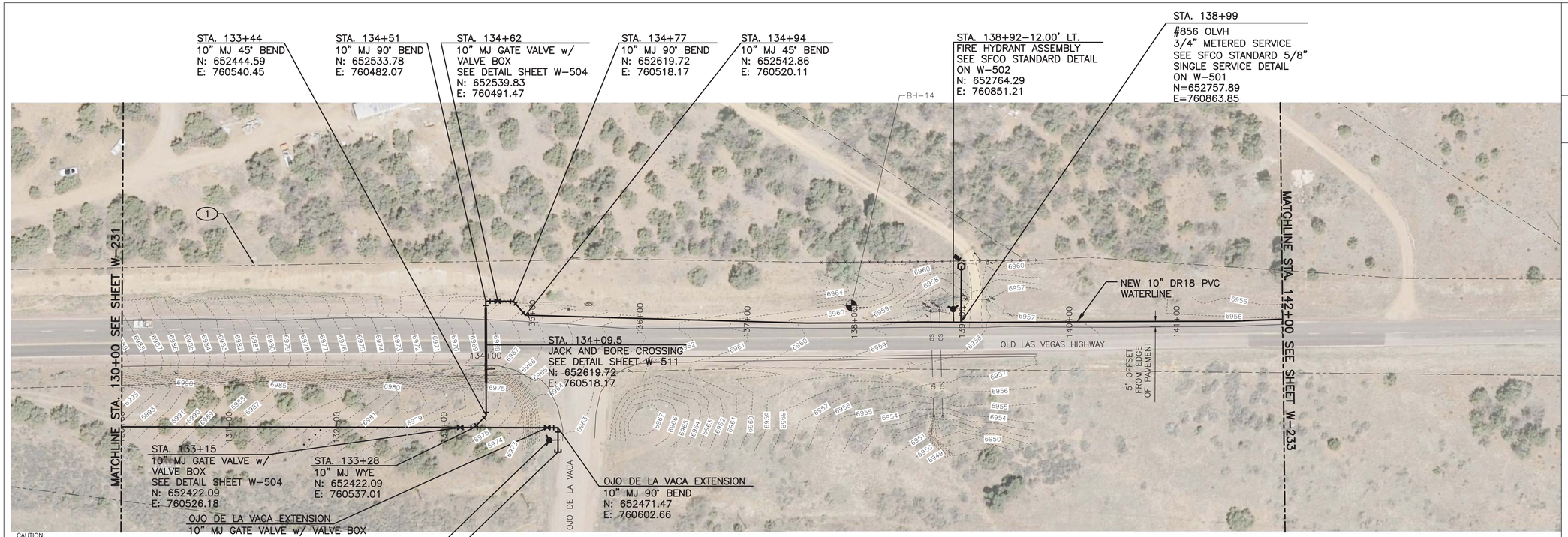
PROJECT NAME:
CANONCITO-ELDORADO WATERLINE

LINE 3 PLAN AND PROFILE STA. 94+00 TO 106+00

APPROVED: *REVIEWED BY: S. MORROW*

DATE: FEBRUARY 2020 *SHEET : W-229*

DRAWN BY: P. DE LA ROSA



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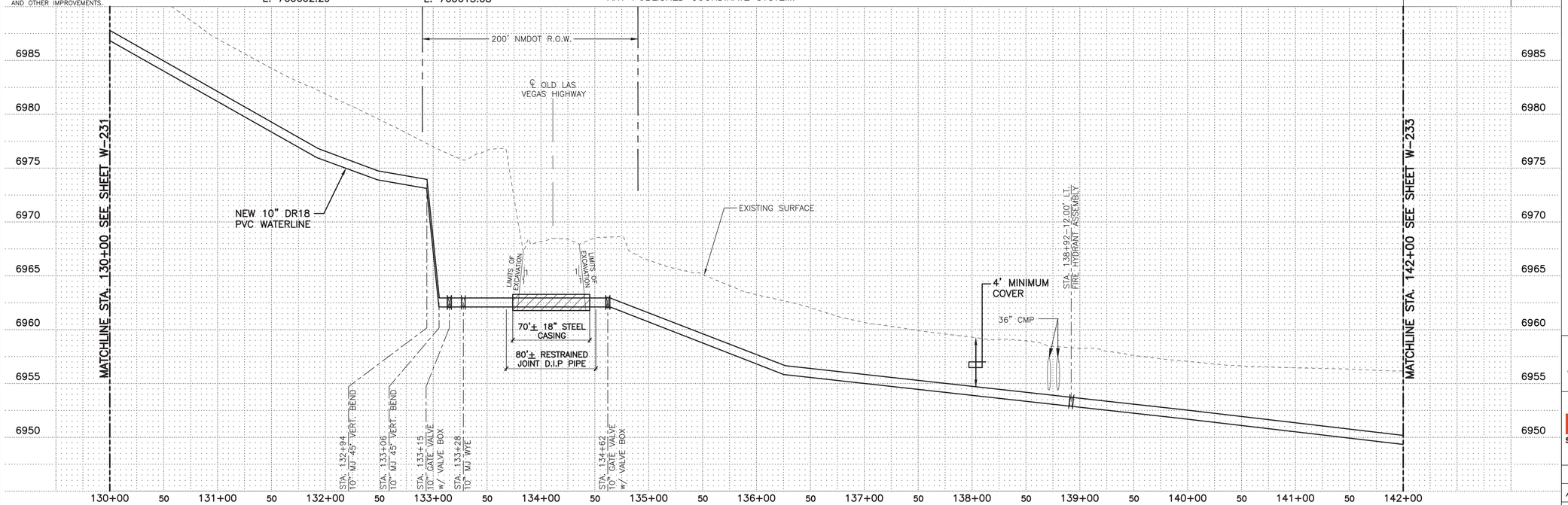
N

0 10' 25' 50' 100'

SCALE: 1"=50' HORIZ
1"=5' VERT



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NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

KEYED NOTES

(1) NMDOT ROW

ADDENDUM 3 DRAWING

1. **WATER METERED SERVICE ADDRESS ADDED**
2. **WATER METERED SERVICE ADDED**

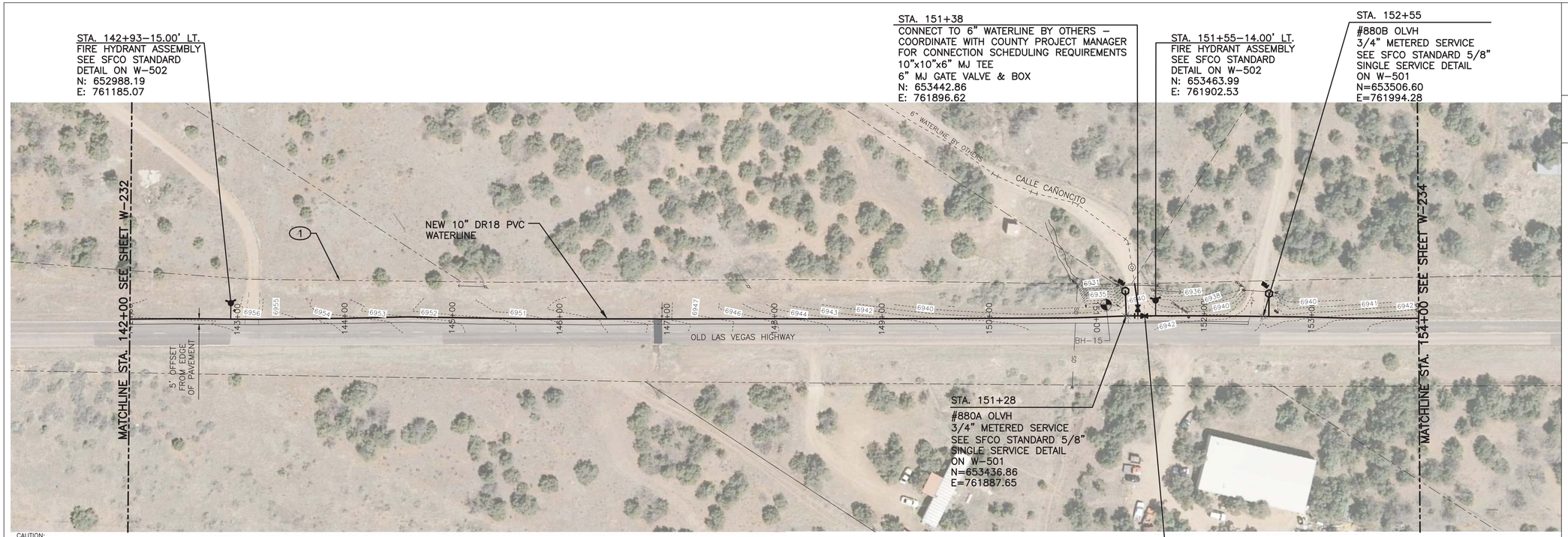
REVISION		
SYMBOL	DATE:	BY:

SANTA FE COUNTY
UTILITIES DIVISION 424 NM 599, SANTA FE, NM 87507

PROJECT NAME:
CANONCITO-ELDORADO WATERLINE

LINE 3 PLAN AND PROFILE STA. 130+00 TO 142+00

APPROVED BY: *REVIEWED BY: S. MORROW*
DATE: FEBRUARY 2020 *SHEET : W-232*
DRAWN BY: P. DE LA ROSA



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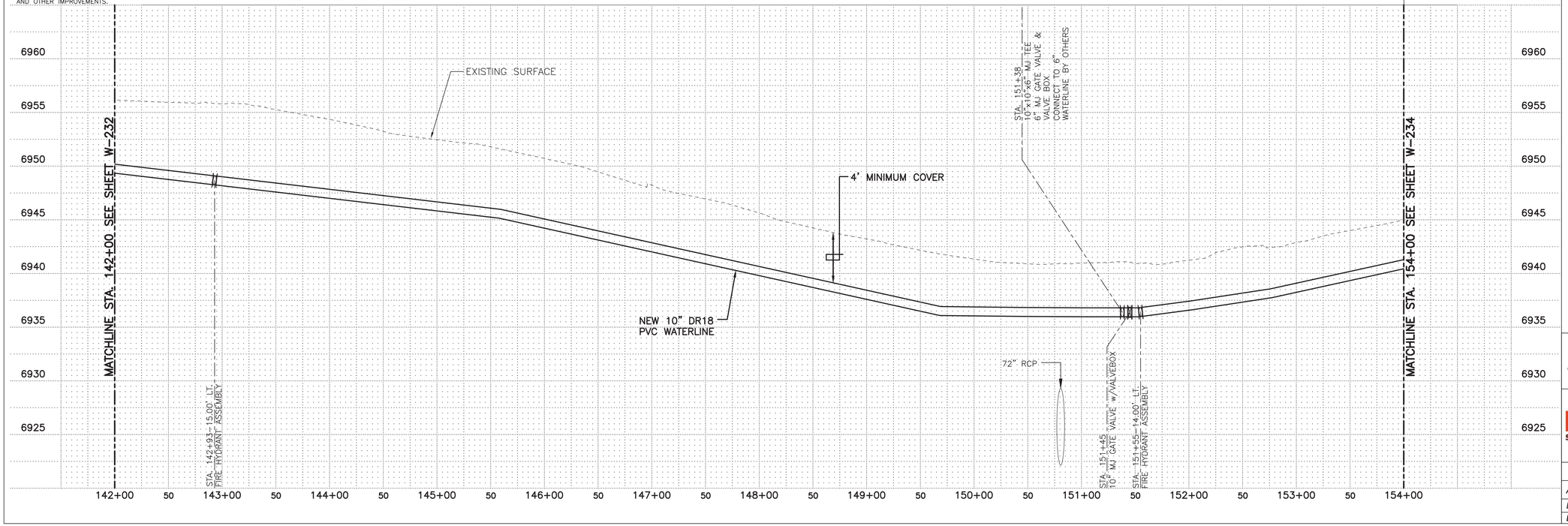

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NOTICE OF EXTENDED PAYMENT PROVISION:
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KEYED NOTES

(1) NMDOT ROW

ADDENDUM 3 DRAWING

1. **WATER METERED SERVICE ADDRESS ADDED**
2. **WATER METERED SERVICE ADDED**

REVISION		
SYMBOL	DATE:	BY:

SANTA FE COUNTY
UTILITIES DIVISION 424 NM 599, SANTA FE, NM 87507

PROJECT NAME:
CANONCITO-ELDORADO WATERLINE

LINE 3 PLAN AND PROFILE STA. 142+00 TO 154+00

APPROVED BY: *REVIEWED BY: S. MORROW*
DATE: FEBRUARY 2020 *SHEET : W-233*
DRAWN BY: P. DE LA ROSA

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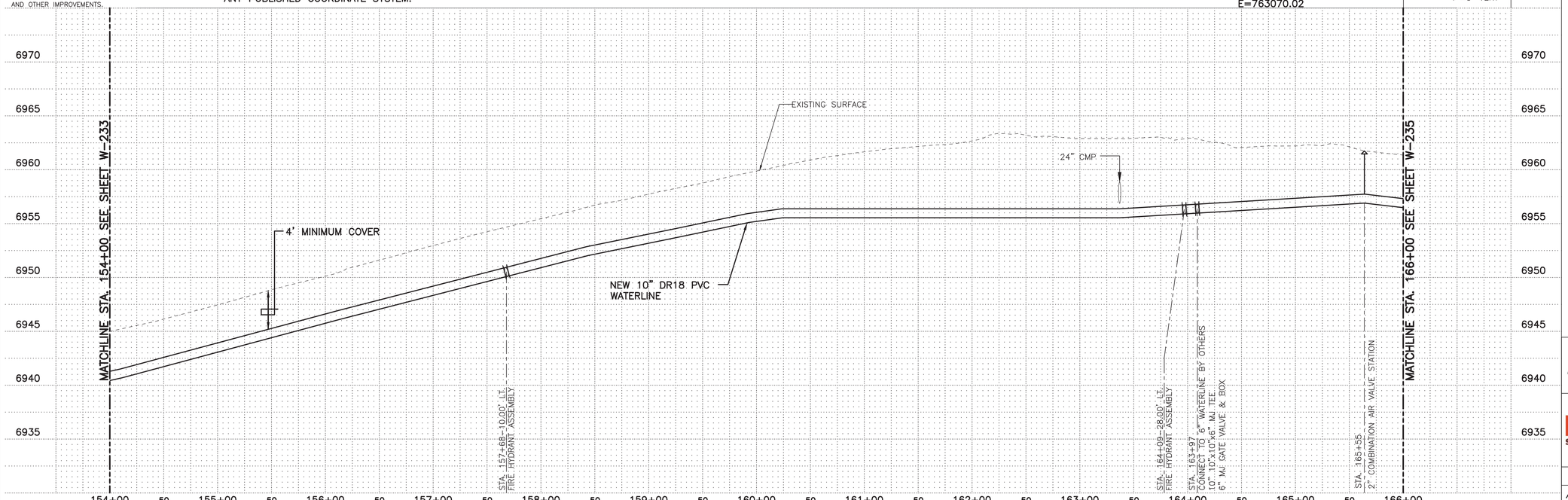

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KEYED NOTES

(1) NMDOT ROW

ADDENDUM 3 DRAWING

1. WATER METERED SERVICE ADDRESSES ADDED
2. WATER METERED SERVICE ADDED
3. SINGLE SERVICE CHANGED TO DOUBLE SERVICE

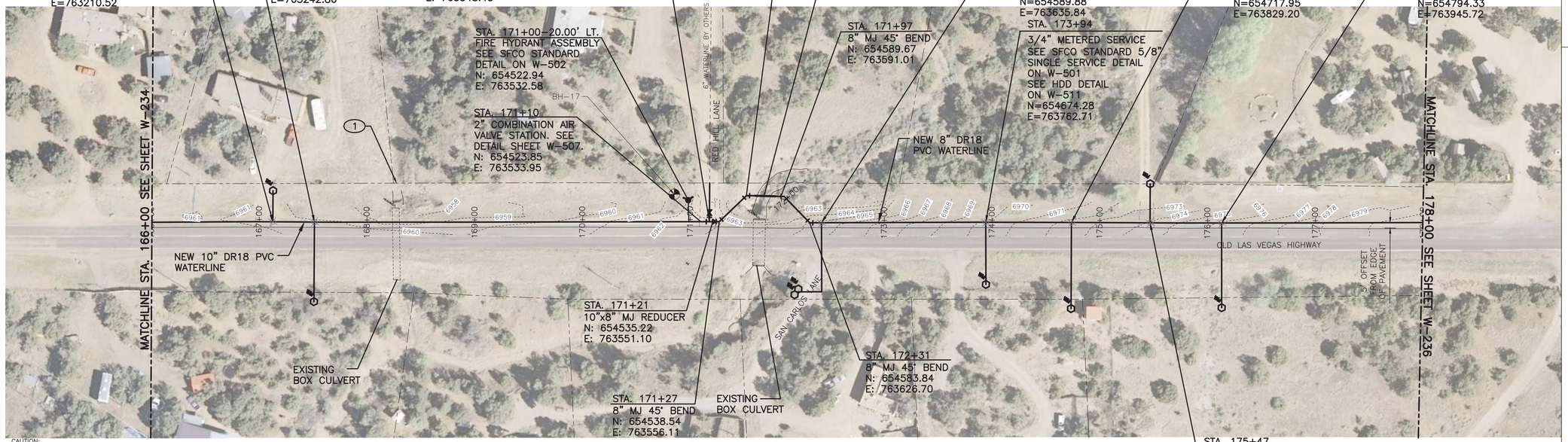
REVISION		
SYMBOL	DATE:	BY:

SANTA FE COUNTY
UTILITIES DIVISION 424 NM 599, SANTA FE, NM 87507

PROJECT NAME:
CANONCITO-ELDORADO WATERLINE

LINE 3 PLAN AND PROFILE STA. 154+00 TO 166+00

APPROVED BY: *REVIEWED BY: S. MORROW*
DATE: FEBRUARY 2020 *SHEET : W-234*
DRAWN BY: J. MARTINEZ



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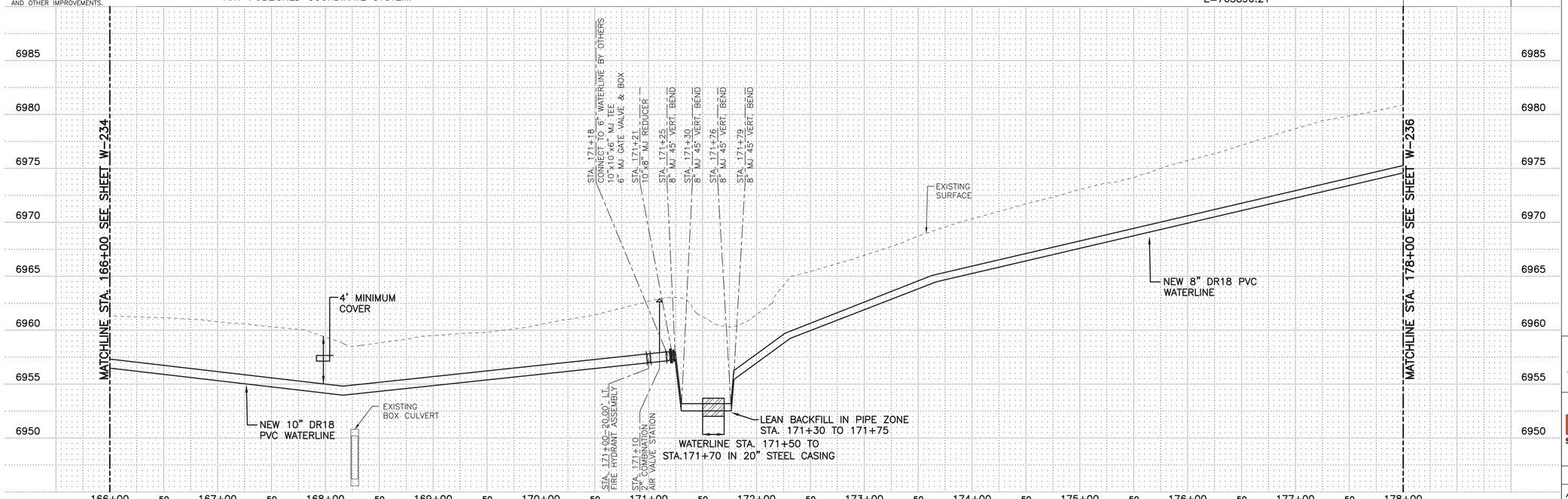

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NOTICE OF EXTENDED PAYMENT PROVISION:
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KEYED NOTES

(1) NMDOT ROW

ADDENDUM 3 DRAWING

1. WATER METERED SERVICE ADDRESSES ADDED
2. WATER METERED SERVICES ADDED
3. SINGLE SERVICE CHANGED TO DOUBLE SERVICE

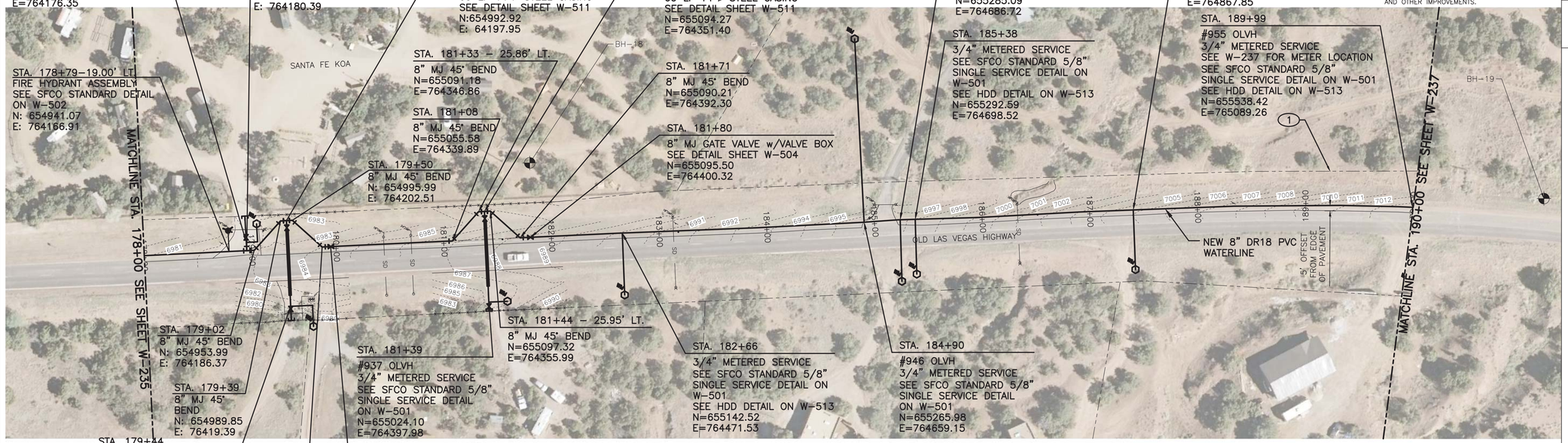
REVISION		
SYMBOL	DATE:	BY:

SANTA FE COUNTY
UTILITIES DIVISION 424 NM 599, SANTA FE, NM 87507

PROJECT NAME:
CANONCITO-ELDORADO WATERLINE

LINE 3 PLAN AND PROFILE STA. 166+00 TO 178+00

APPROVED BY: REVIEWED BY: S. MORROW
DATE: FEBRUARY 2020 SHEET : W-235
DRAWN BY: P. DE LA ROSA



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N

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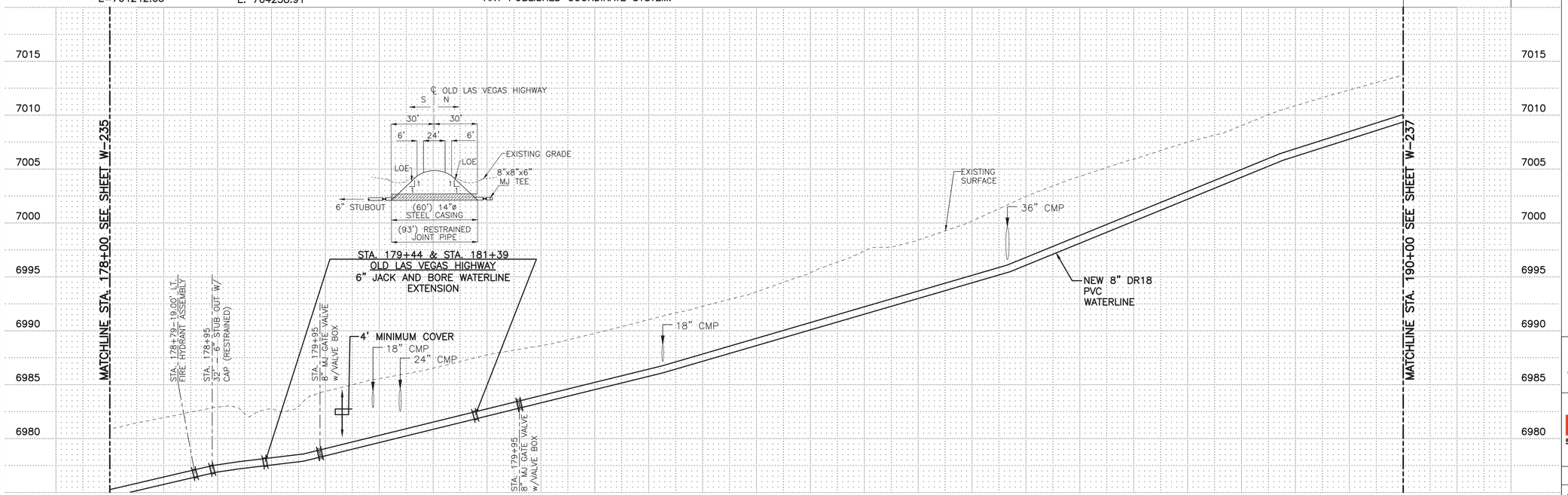
SCALE: 1"=50' HORIZ
1"=5' VERT



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NOTICE OF EXTENDED PAYMENT PROVISION:
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KEYED NOTES

(1) NMDOT ROW

ADDENDUM 3 DRAWING

1. **WATER METERED SERVICE ADDRESSES ADDED**
2. **WATER METERED SERVICE ADDED**

REVISION		
SYMBOL	DATE:	BY:

SANTA FE COUNTY
UTILITIES DIVISION 424 NM 599, SANTA FE, NM 87507

PROJECT NAME:
CANONCITO-ELDORADO WATERLINE

LINE 3 PLAN AND PROFILE STA. 178+00 TO 190+00

APPROVED BY: *REVIEWED BY: S. MORROW*
DATE: FEBRUARY 2020 *SHEET : W-236*
DRAWN BY: P. DE LA ROSA

STA. 193+64
CONNECT TO 6" WATERLINE BY OTHERS – COORDINATE WITH COUNTY PROJECT MANAGER FOR CONNECTION SCHEDULING REQUIREMENTS
8"x8"x6" MJ TEE
6" MJ GATE VALVE & BOX
N: 655689.15
E: 765420.95

STA. 193+73
8" MJ GATE VALVE w/VALVE BOX
SEE DETAIL SHEET W-504
N: 655692.09
E: 765429.44

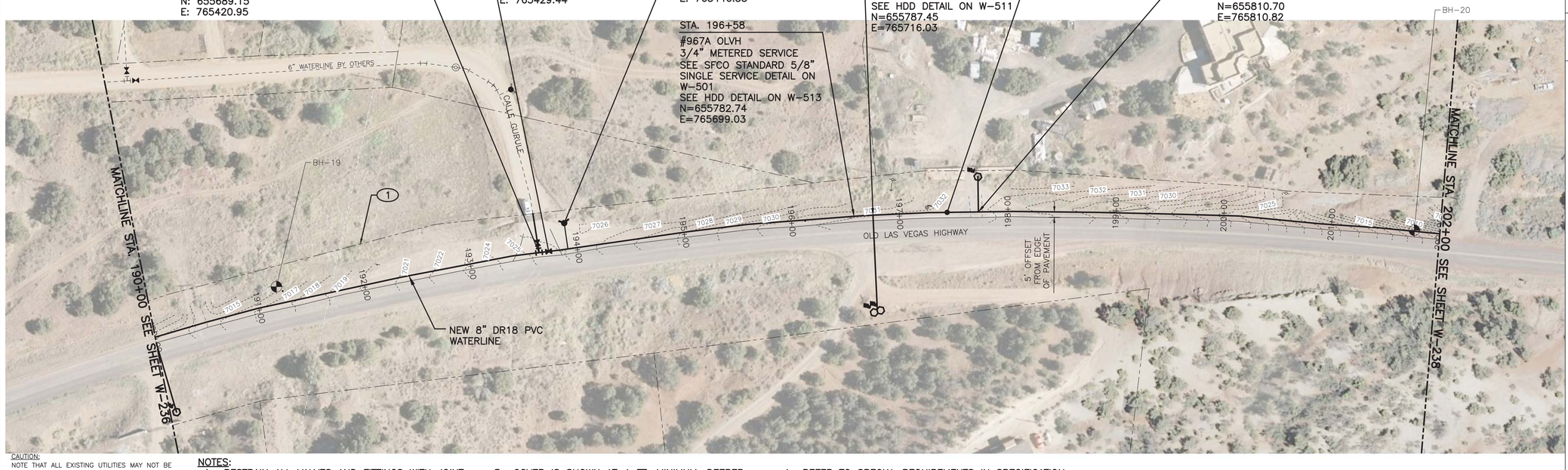
STA. 193+91-24.00' LT.
FIRE HYDRANT ASSEMBLY
SEE SFCO STANDARD DETAIL ON W-502
N: 655698.07
E: 765446.35

STA. 196+58
#967A OLVH
3/4" METERED SERVICE
SEE SFCO STANDARD 5/8" SINGLE SERVICE DETAIL ON W-501
SEE HDD DETAIL ON W-513
N=655782.74
E=765699.03

STA. 196+75
#967B OLVH
3/4" METERED SERVICE
SEE SFCO STANDARD 5/8" SINGLE SERVICE DETAIL ON W-501
SEE HDD DETAIL ON W-511
N=655787.45
E=765716.03

STA. 197+44
2" COMBINATION AIR VALVE STATION. SEE DETAIL SHEET W-507.
N: 655804.27
E: 765782.61

STA. 197+73
#968 OLVH
3/4" METERED SERVICE
SEE SFCO STANDARD 5/8" SINGLE SERVICE DETAIL ON W-501
N=655810.70
E=765810.82



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N

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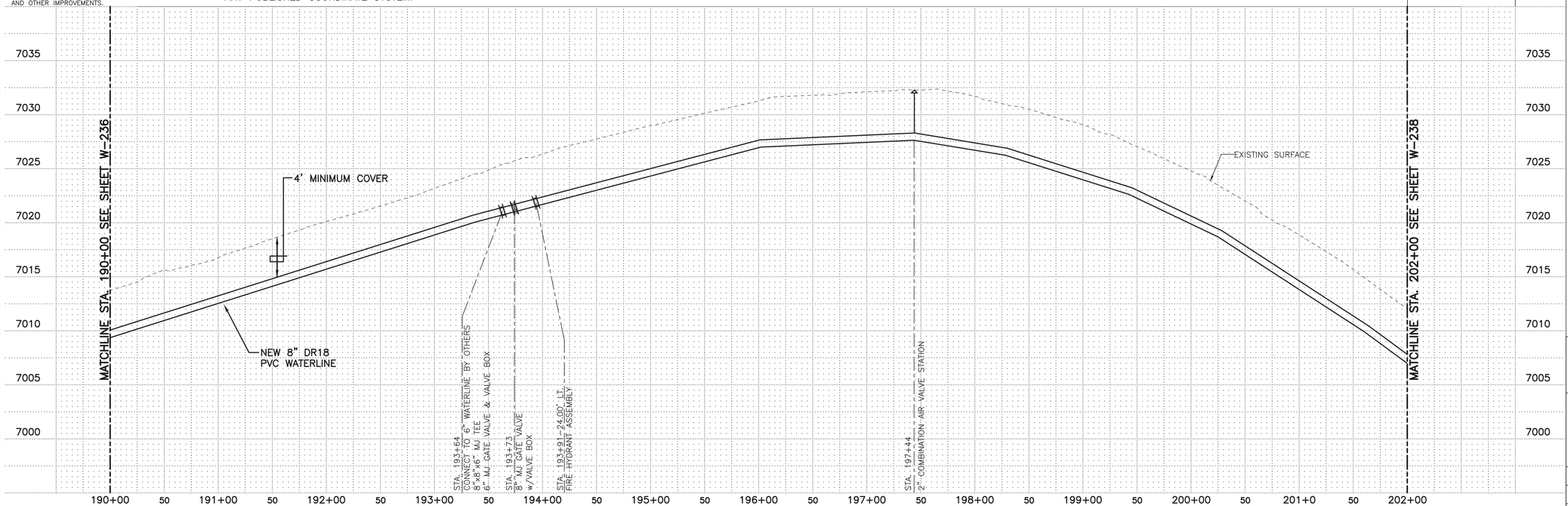
1"=5' VERT



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KEYED NOTES

(1) NMDOT ROW

ADDENDUM 3 DRAWING

1. WATER METERED SERVICE ADDRESSES ADDED
2. WATER METERED SERVICE ADDED
3. SINGLE SERVICE CHANGED TO DOUBLE SERVICE

REVISION		
SYMBOL	DATE:	BY:

SANTA FE COUNTY
UTILITIES DIVISION 424 NM 599, SANTA FE, NM 87507

PROJECT NAME:
CANONCITO-ELDORADO WATERLINE

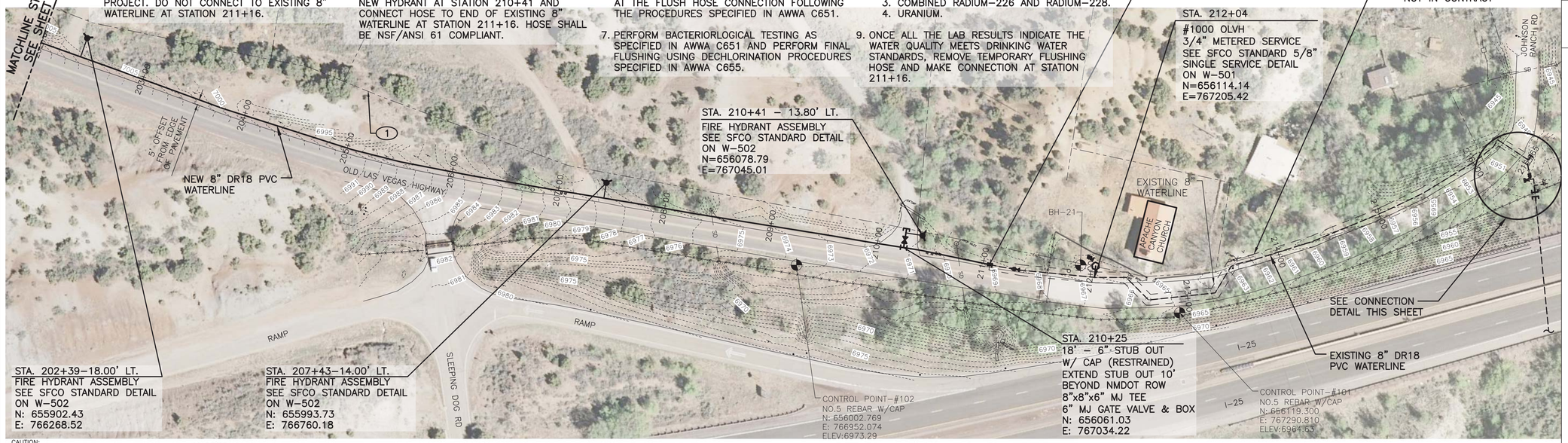
LINE 3 PLAN AND PROFILE STA. 190+00 TO 202+00

APPROVED BY: *REVIEWED BY: S. MORROW*
DATE: FEBRUARY 2020 *SHEET : W-237*
DRAWN BY: P. DE LA ROSA

FLUSHING/CONNECTION SEQUENCE STEPS

(REFER TO CONNECTION DETAIL)

1. COMPLETE INSTALLATION OF NEW 8" WATERLINE TO STATION 211+16 AND PLACE LINE INTO SERVICE, INCLUDING ALL CONNECTIONS TO THE CAÑONCITO REGIONAL WATER SYSTEM PHASE II PROJECT. DO NOT CONNECT TO EXISTING 8" WATERLINE AT STATION 211+16.
2. COORDINATE WITH COUNTY PROJECT MANAGER WHEN TO TURN OFF EXISTING WELL SUPPLY.
3. CUT EXISTING 3" WELL FEED LINE AND CAP BOTH SIDES OF THE CUT.
4. CONNECT TEMPORARY 4" FLUSHING HOSE TO NEW HYDRANT AT STATION 210+41 AND CONNECT HOSE TO END OF EXISTING 8" WATERLINE AT STATION 211+16. HOSE SHALL BE NSF/ANSI 61 COMPLIANT.
5. OPEN EXISTING 3" HYDRANT AND CONDUCT AN INITIAL FLUSHING OF THE EXISTING 8" AND 3" WATERLINES UNTIL THE WATER RUNS REASONABLY CLEAR.
6. DISINFECT THE EXISTING WATERLINES BY BLEEDING IN CHLORINE DISINFECTION SOLUTION AT THE FLUSH HOSE CONNECTION FOLLOWING THE PROCEDURES SPECIFIED IN AWWA C651.
7. PERFORM BACTERIORLOGICAL TESTING AS SPECIFIED IN AWWA C651 AND PERFORM FINAL FLUSHING USING DECHLORINATION PROCEDURES SPECIFIED IN AWWA C655.
8. SAMPLE FINISHED WATER AT HYDRANT AND OBTAIN ANALYSES FROM A LABORATORY CERTIFIED BY THE NMED–DWB FOR THE FOLLOWING CONTAMINANTS IN CONFORMANCE WITH SDWA PROCEDURES:
   1. BETA PARTICLES AND PHOTON EMITTERS.
   2. ALPHA EMITTERS.
   3. COMBINED RADIUM–226 AND RADIUM–228.
   4. URANIUM.
9. ONCE ALL THE LAB RESULTS INDICATE THE WATER QUALITY MEETS DRINKING WATER STANDARDS, REMOVE TEMPORARY FLUSHING HOSE AND MAKE CONNECTION AT STATION 211+16.



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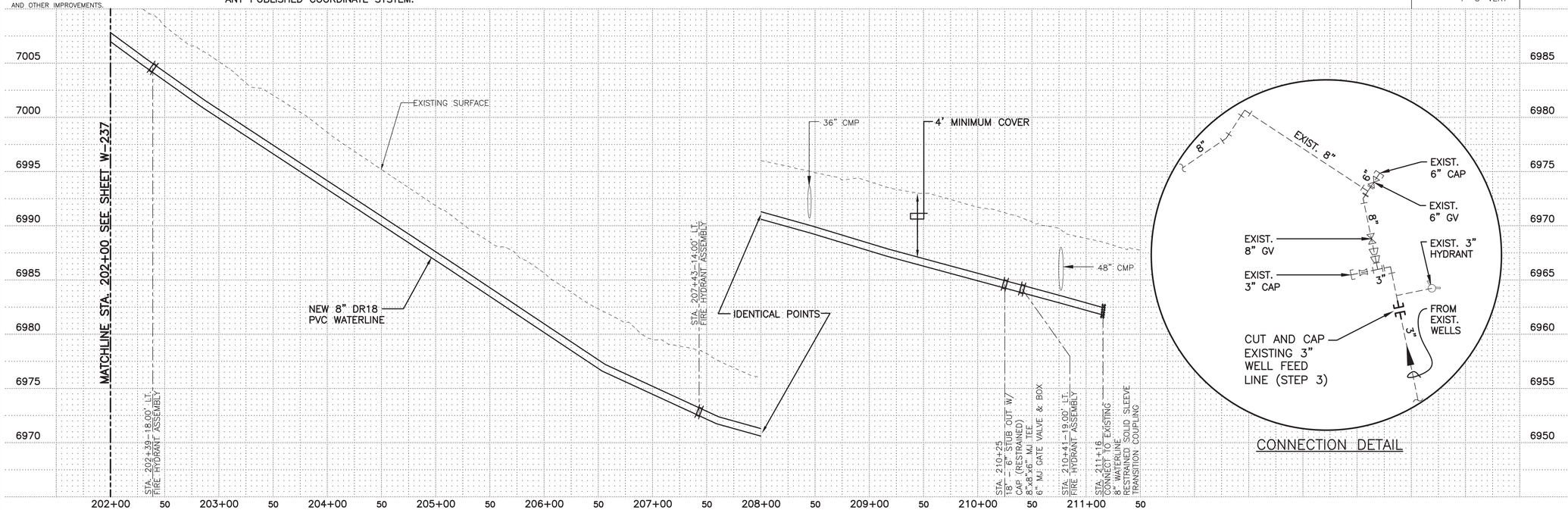
4. REFER TO SPECIAL REQUIREMENTS IN SPECIFICATION SECTION 01 12 16 FOR 15–FOOT OSHA CLEARANCE ENVELOPE AROUND HIGH VOLTAGE PNM LINES.
5. CONTRACTOR TO REMOVE OUT–OF–SERVICE 3" WATERLINE EXCEPT WHERE IT IS BENEATH PAVEMENT. THE OUT–OF–SERVICE 3" LINE THAT IS BENEATH PAVEMENT WILL REMAIN IN PLACE AND WILL BE FILLED WITH FLOWABLE FILL.

N

0 10' 25' 50' 100'

SCALE: 1"=50' HORIZ
1"=5' VERT



CONNECTION DETAIL

MOLZENCORBIN

2701 Miles Road SE
Albuquerque, New Mexico 87106
505 242 5700 office
505 242 0673 fax
MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

KEYED NOTES

(1) NMDOT ROW

ADDENDUM 3 DRAWING

1. **WATER METERED SERVICE ADDRESSES ADDED**
2. **WATER METERED SERVICES ADDED**

REVISION		
SYMBOL	DATE:	BY:

SANTA FE COUNTY
UTILITIES DIVISION 424 NM 599, SANTA FE, NM 87507

SANTA FE COUNTY

PROJECT NAME:
CANONCITO-ELDORADO WATERLINE

LINE 3 PLAN AND PROFILE STA. 202+00 TO 211+16

APPROVED BY: *REVIEWED BY: S. MORROW*

DATE: FEBRUARY 2020 *SHEET : W-238*

DRAWN BY: P. DE LA ROSA