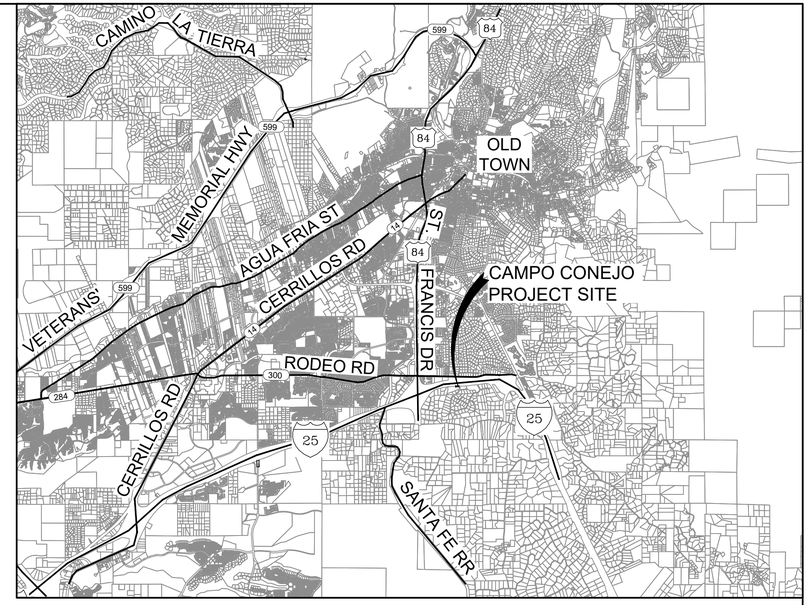
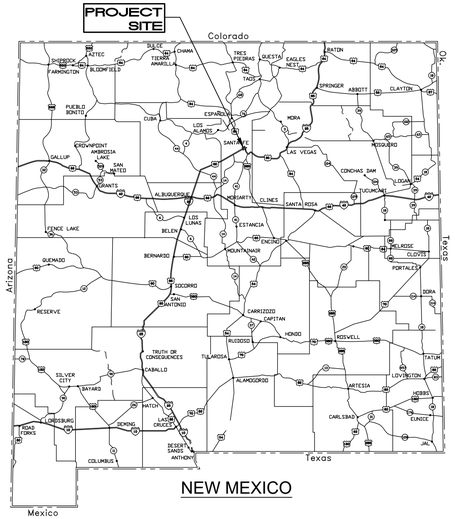
CONSTRUCTION PLANS FOR
CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
CIP PROJECT #960
MARCH 2021



VICINITY MAP



NEW MEXICO

INDEX

SHEET NUMBER	DWG NUMBER	DESCRIPTION
1	G-01	COVER, INDEX OF DRAWINGS AND VICINITY MAPS
2	G-02	TOPOGRAPHICAL SURVEY AND CONTROL
3	G-03	WATER VALVE SHUT-OFF PLAN
4	C-01	CAMPO CONEJO SITE PLAN
5	D-01	CAMPO CONEJO VAULT PLAN AND DETAILS
6	D-02	MISCELLANEOUS DETAILS
7	E-01	ELECTRICAL SITE PLAN
8	E-02	TYPICAL VAULT, PLAN AND SECTION, AND ELECTRICAL DETAILS
9	E-03	ELECTRICAL DETAILS
10	E-04	ELECTRICAL ONE-LINES AND SCHEDULES
11	TC-01	TRAFFIC CONTROL PLAN

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ENGINEERS STAMP & SIGNATURE

ANDREW MARK SWARTSWALTER NEW MEXICO 24195 PROFESSIONAL ENGINEER

APPROVED:

KRISTIN JOHANSEN
CITY OF SANTA FE
WATER DIVISION

DATE

Bohannan Huston
www.bhinc.com 800.877.5332

CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
COVER, INDEX OF DRAWINGS, AND VICINITY MAPS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	G-01	1	11

P:\20190555\WR\Design\plans\Campo Conejo MM Vault Plans\20190555_01_CC-CoverSheet.dwg
Tue, 2-Mar-2021 - 8:56:am, Plotted by: DDEPAULI

Project Control Specifications:

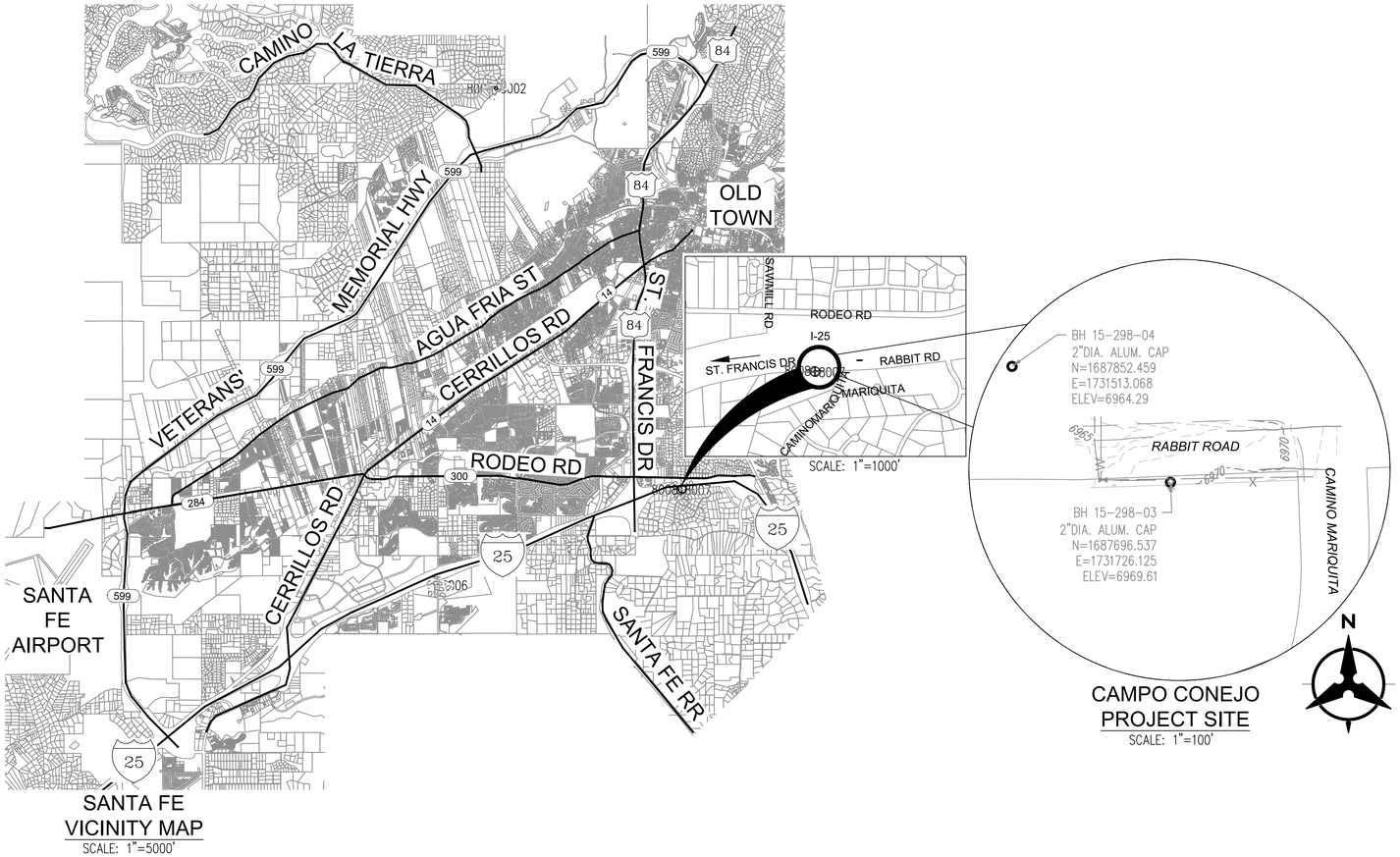
Units:	US Survey Foot
Horizontal Datum:	NAD_83(2011)(EPOCH:2010.0000)
Vertical Datum:	NAVD88
Geoid Model:	GEOID12A – for new control monumentation
Projection:	Transverse Mercator
State Plane and/or UTM Zone:	New Mexico Central Zone (3002)
Basis of Bearing:	Grid Bearings
Project Combined Factor:	0.99958981402158
Modification Method Used:	Scaled State Plane coordinates about origin (0,0) no truncation
Field Methodology:	RTK Solution
Equipment Used:	Trimble GPS Equipment (5700, 5800, and R8 Dual Frequency Receivers)
Control Set Date:	December 23, 2014
Observation Date:	December 23, 2014
Adjustment/ Publication Date:	February 5, 2015

I, Robert Gromatzky, New Mexico Professional Surveyor No.16469, do hereby certify that this Control Survey Report was prepared by me or under my direct supervision based on an actual survey on the ground as described herein; that I am responsible for this survey; and that the survey and report meets the minimum standards for surveying in New Mexico.

February 5, 2015
Date

Robert Gromatzky, P.S.
Bohannan Huston, Inc.
Courtyard I / 7500 Jefferson St. NE
Albuquerque, NM 87109-4335
(505).823.1000

ROBERT GROMATZKY NEW MEXICO 16469 LICENSED PROFESSIONAL SURVEYOR



SANTA FE
VICINITY MAP
SCALE: 1"=5000'

Overall Control Listing:

Bohannan Huston

Name	Latitude	Longitude	Grid Northing	Grid Easting	Ellipsoid	Orthometric Height	Horizontal Accuracy	Vertical Accuracy	Stamping
BH 15-298-01	N 35° 37' 8.481621"	W 105° 0' 0.8503855"	1680686.655	1714646.175	6552.626	6615.101	0.049	0.057	BH 15 298-01
BH 15-298-02	N 35° 37' 5.1007697"	W 105° 0' 2.3983389"	1680344.509	1714519.246	6535.716	6598.222	0.002	0.073	BH 15 298 02
BH 15-298-03	N 35° 38' 10.5098841"	W 105° 56' 42.3283072"	1687004.271	1731015.780	6908.426	6969.614	0.050	0.083	BH 15 298 03
BH 15-298-04	N 35° 38' 12.057807"	W 105° 56' 44.9030148"	1687160.117	1730802.820	6903.110	6964.292	0.059	0.085	BH 15 298 04

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ANDREW MARK SWARTSWALTER NEW MEXICO 24195 PROFESSIONAL ENGINEER

AS-BUILT INFORMATION

CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

BENCH MARKS

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY AMS DATE 11/2020
DRAWN BY NEC DATE 11/2020
CHECKED BY TAB DATE 11/2020

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CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
TOPOGRAPHICAL SURVEY AND CONTROL

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	G-02	2	11

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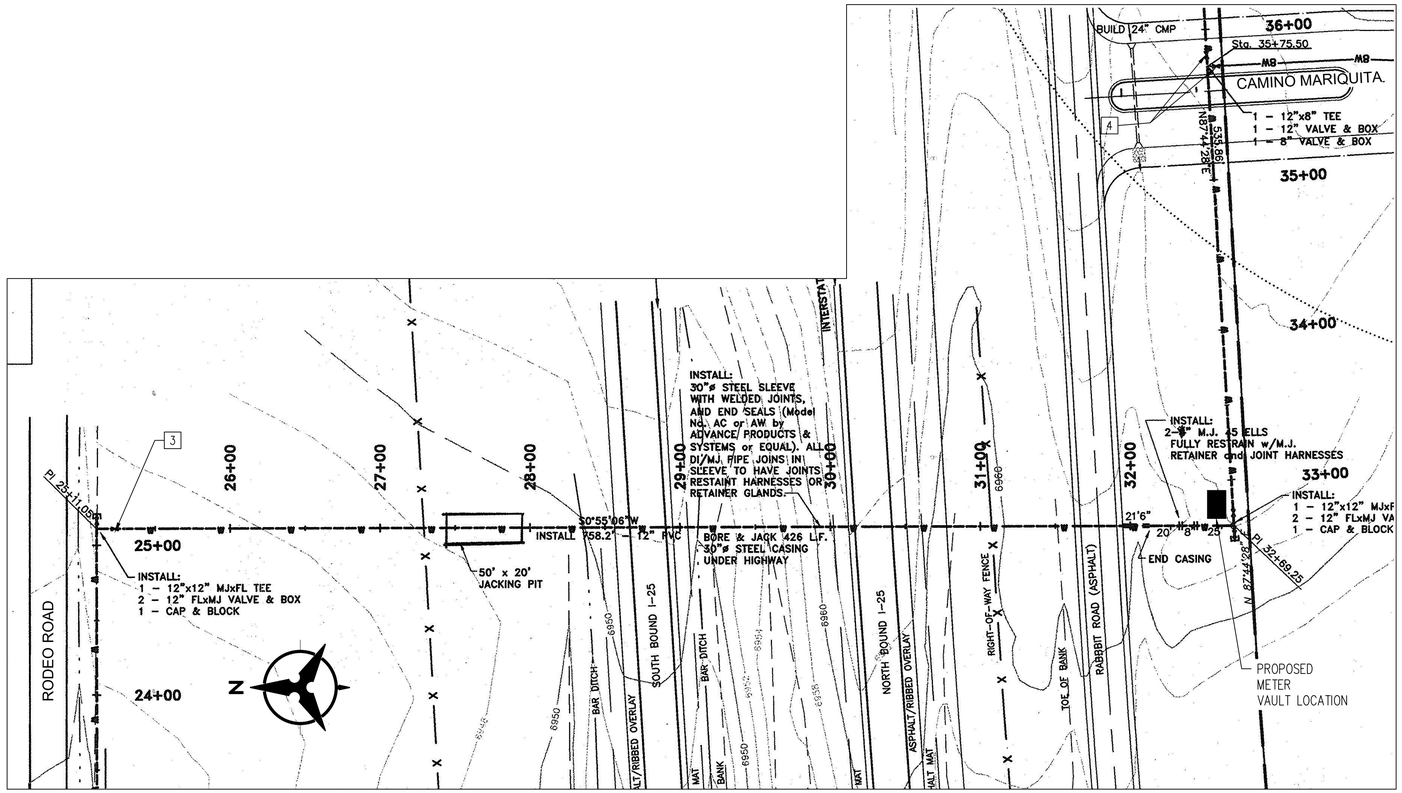

1 CAMPO CONEJO PROJECT SITE FROM RECORD DRAWINGS
SCALE: N.T.S.

CAMPO CONEJOS PROJECT	(MAXIMUM 12HR WATER SHUT-OFF, EXCEPT FOR EMERGENCIES)			
KEYED NOTE NUMBER	VALVE NUMBER	SIZE	LOCATION	VALVE INSTRUCTIONS
3	7	12"	APPROXIMATELY STATION 25+22 (CAMPO CONEJOS WL ALIGNMENT ,1999) NORTH OF I-25, JUST SOUTH OF RODEO ROAD	SHUT-OFF VALVE 7
4	8 AND 9	12"	APPROXIMATELY STATION 35+75 (CAMPO CONEJOS WL ALIGNMENT, 1999) JUST SOUTH OF INTERSECTION OF RABBIT ROAD AND CAMINO MARIQUITA, IN NORTH BOUND LANE OF CAMINO MARIQUITA	SHUT-OFF VALVE 8 AND 9

CONSTRUCTION NOTES:

1. HAVE ALL FITTINGS, MATERIALS AND EQUIPMENT ON SITE PRIOR TO VALVE SHUT OFF FOR REQUIRED ELEMENT. ALL EXCAVATION SHALL BE COMPLETE EXCEPT AS NECESSARY TO MAINTAIN SAFE SYSTEM OPERATION WHILE UNDER PRESSURE.
2. CONTRACTOR SHALL NOT OPERATE ANY VALVES (NEW OR EXISTING) ON OR CONNECTED TO THE SFCU SYSTEM.
3. DO NOT REMOVE ANY VALVES OR PIPING UNTIL REPLACEMENT VALVES AND PIPING ARE IN PLACE AND TESTED AND REMOVAL IS APPROVED BY THE OWNER.
4. DISINFECT FITTINGS BY SWABBING WITH STRONG (50 PPM) SOLUTION OF CHLORINE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION SECTION 15141. APPLY SOLUTION TO ALL WATER SIDE SURFACES IN THE PRESENCE OF SFCU REPRESENTATIVE. THOROUGHLY CLEAN ALL FITTINGS, VALVES, ETC., PRIOR TO APPLYING CHLORINE SOLUTION. DO NOT ALLOW DELETERIOUS MATERIALS, MUD, DRAINED WATER, ETC., TO ENTER FITTINGS OR EXPOSED PIPELINES.
5. DISINFECT NEW SECTIONS OF PIPELINES AND EXISTING PIPELINES AS PRESCRIBED IN THE CITY OF SANTA FE PUBLIC UTILITIES DEPARTMENT WATER DIVISION CONSTRUCTION STANDARDS AND SPECIFICATIONS, SECTION 801.17.
6. ONCE SHUT-DOWN HAS BEEN ACHIEVED, THE WORK OF THE CONTRACTOR SHALL PROCEED IN A CONTINUOUS UNINTERRUPTED MANNER UNTIL THAT WORK IS COMPLETE. WORK SHALL CONTINUE 24 HOURS PER DAY/ 7 DAYS A WEEK UNTIL THE SYSTEM IS OPERATIONAL. REFER TO SPECIFICATION 1010 SUMMARY OF WORK FOR ADDITIONAL DETAILS AND CONSTRUCTION SEQUENCE REQUIREMENTS FOR THIS PROJECT.
7. PRIOR TO BEGINNING CONSTRUCTION CONTACT CITY AND COUNTY TO SCHEDULE A PRE-CONSTRUCTION MEETING. AN APPROVED CONSTRUCTION SCHEDULE IS REQUIRED.
8. PRIOR TO ANY UTILITY SERVICE DISRUPTION, AN OPERATIONS AND NOTIFICATION PLAN APPROVED BY THE CITY AND COUNTY IS REQUIRED.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POTHOLE AND LOCATE EXISTING UTILITIES.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCURE ALL PERMITS PRIOR TO CONSTRUCTION.

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ENGINEER'S SEAL

ANDREW MARK SWARTSWALTER
NEW MEXICO
24195
6/12/20
PROFESSIONAL ENGINEER

AS-BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

BENCH MARKS

NO.	DATE	REMARKS	BY
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		DESIGN	
		DESIGNED BY AMS	DATE 11/2020
		DRAWN BY NEC	DATE 11/2020
		CHECKED BY TAB	DATE 11/2020

Bohannan Huston
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CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
WATER VALVE SHUT-OFF PLAN

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	G-03	3	11

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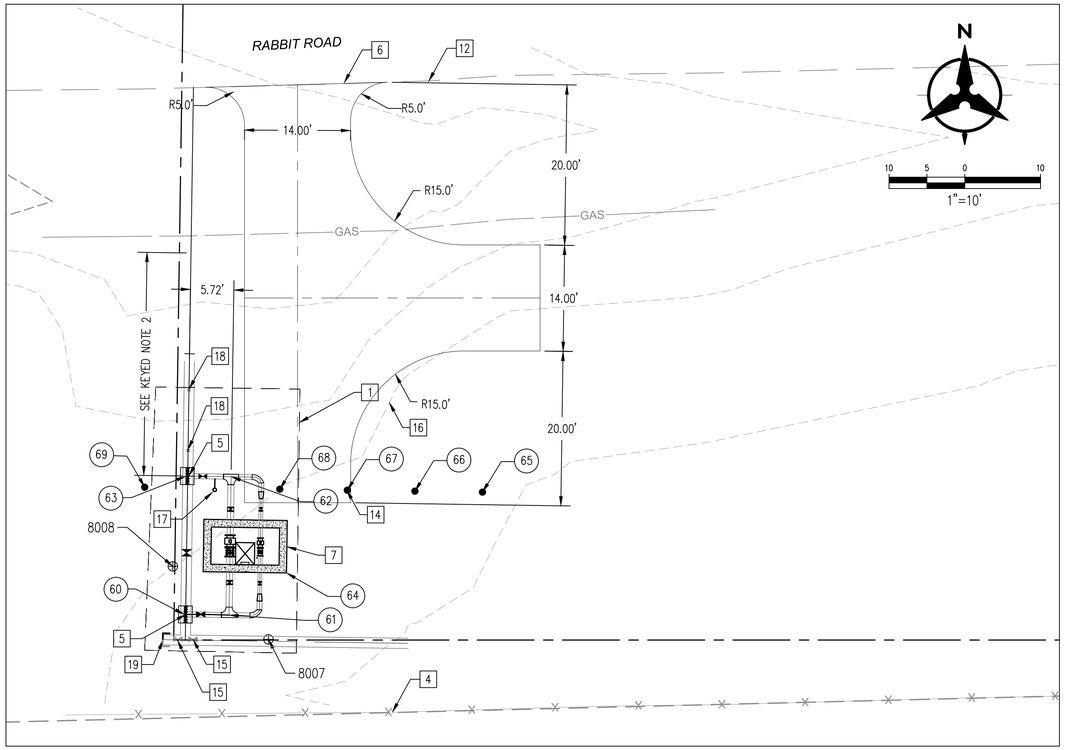
Tue, 2-Mar-2021 - 8:57:am, Plotted by: DDEPAULI

POT HOLE POINT TABLE						
POINT #	NORTHING	EASTING	EG ELEVATION	TOP ELEVATION	WL DIA.	℄ ELEVATION
8007	1687700.079	1731645.278	6968.63	6964.70	12" WL	6964.20
8008	1687709.523	1731632.507	6967.99	6964.20	12" WL	6963.67

POINT TABLE				
◯	NORTHING	EASTING	℄ ELEVATION	DESCRIPTION
60	1687703.18	1731632.77	ME	TIE POINT
61	1687703.18	1731638.48	ME	TEE
62	1687721.45	1731638.48	ME	TEE
63	1687721.45	1731632.77	ME	TIE POINT
64	1687708.86	1731645.98	6968.50	VAULT CORNER
65	1687719.90	1731653.86	EG	BOLLARD
66	1687719.90	1731644.95	EG	BOLLARD
67	1687719.90	1731636.02	EG	BOLLARD
68	1687719.90	1731627.09	EG	BOLLARD
69	1687719.90	1731627.09	EG	BOLLARD

ME = MATCH EXISTING
EG = EXISTING GROUND



1 CAMPO CONEJO SITE PLAN
SCALE: 1" = 10'

KEYED NOTES:

1. SEE DWG. D-01 FOR PIPING AND VAULT DETAIL.
2. CONTRACTOR SHALL CONFIRM A MINIMUM OF 40' OF WATER LINE IS RESTRAINED. IF IT IS FOUND NOT TO BE RESTRAINED, THEN RESTRAINT SHALL BE INSTALLED TO MEET THIS RESTRAINT LENGTH, USING EBAA IRON MODEL 1900, OR ENGINEER APPROVED EQUAL.
4. APPARENT ROW.
5. 12"X8" TAPPING SADDLE, ROMAC STAINLESS STEEL TAPPING TEE, MODEL STS420, OR ENGINEER APPROVED EQUAL, PRESSURIZED CONNECTION. CONNECTION TO EXISTING 12" DIP, SEE DWG. D-02
6. ACCESS DRIVEWAY, SEE DETAIL G ON DWG. D-02
7. METER VAULT, SEE DWG. E-02 FOR VAULT DETAILS.
12. EXISTING EDGE OF PAVEMENT.
14. STATIONARY POSTS (4) PER APWA STD. DWG. 2250, PAINTED SAFETY YELLOW
15. EXISTING VALVE, NORMALLY OPEN
16. GRADE TO DRAIN AROUND PERIMETER OF VAULT AT A MAX. OF 3:1 SLOPE.
17. 1" TAPPING SADDLE AND ABOVE GRADE SAMPLING STATION, HYDRO-GUARD BLOW-OFF SAMPLING STATION (B.O.S.S.) WITH MECHANICAL THERMAL CONTROL VALVE FREEZE PROTECTION OR EQUAL. SEE DWG. MMD-04 DETAIL D
18. EXISTING 12" RESTRAINED 45 DEGREE BEND
19. EXISTING 12" CAP

GENERAL NOTES

1. THE CONTRACTOR MUST PROVIDE ACCESS TO EACH HOUSEHOLD OR BUSINESS THROUGHOUT CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THIS ACTIVITY WITH THE RESPECTIVE PROPERTY OWNER OR RESIDENT.
2. VIBRATORY COMPACTION SHALL NOT BE USED WHEN CONSTRUCTION ACTIVITIES ARE WITHIN 100 FEET OF A RESIDENTIAL OR COMMERCIAL STRUCTURE.
3. SOILS IN THE PROJECT AREA ARE ASSUMED TO BE ACCEPTABLE AS BACKFILL. UNSUITABLE EXCAVATED MATERIAL SHALL BE DISPOSED OF AND REPLACED WITH ENGINEERED FILL. A PROCTOR ANALYSIS SHALL BE CONDUCTED ON ONE REPRESENTATIVE SAMPLE AT EACH PROJECT SITE, AND BACKFILL SHALL BE TESTED FOR COMPACTION AND MOISTURE TO MEET DETAILED REQUIREMENTS. ALL TRENCHING AND EXCAVATION, IMPORTED ENGINEERED FILL, AND BACKFILL COSTS SHALL BE INCIDENTAL TO THE ASSOCIATED WL BID ITEM.
4. PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS, BUSINESSES OR OTHER CONTRACTORS NEAR THE PROJECT SITE.
5. MAINTAIN ACCESS TO PRIVATE PROPERTIES, SCHOOLS AND BUSINESSES AT ALL TIMES DURING CONSTRUCTION.
6. CONTRACTOR MUST REMAIN IN ROW OR OPEN SPACE LIMITS AT ALL TIMES
7. MECHANICAL JOINTS SHALL BE RESTRAINED WITH EBAA IRON SERIES 1100
8. MAXIMUM DEFLECTION ON PIPE JOINTS AS ALLOWED BY PIPE MANUFACTURER
9. ALL NEW PIPE AND FITTINGS SHALL BE DUCTILE IRON PIPE, PRESSURE CLASS 200
10. DUCTILE IRON PIPE SHALL BE WRAPPED IN BLACK POLYETHYLENE ENCASEMENT CONFORMING TO AWWA C105
11. ALL FLANGED JOINTS WITH DISSIMILAR MATERIALS SHALL BE MADE USING A FLANGE INSULATION GASKET KIT, THAT INCLUDES AN INSULATING GASKET, BOLT SLEEVES, AND WASHERS SUCH AS PSI LINEBACKER
12. ALL BURIED FLANGED JOINTS SHALL BE WRAPPED IN WAX TAPE COATING, PER SPECIFICATION SECTION 09955 COLD APPLIED WAX TAPE COATING
13. ALL JOINTS SHALL BE RESTRAINED

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ENGINEER'S SEAL

ANDREW MARK SWARTSWALTER
NEW MEXICO
24195
PROFESSIONAL ENGINEER

AS-BUILT INFORMATION

	CONTRACTOR	WORK STAKED BY	INSPECTOR'S ACCEPTANCE BY	FIELD VERIFICATION BY	DRAWINGS CORRECTED BY
DATE					

BENCH MARKS

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY AMS	DATE 11/2020
		DRAWN BY NEC	DATE 11/2020
		CHECKED BY TAB	DATE 11/2020

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CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
CAMPO CONEJO SITE PLAN

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	C-01	4	11

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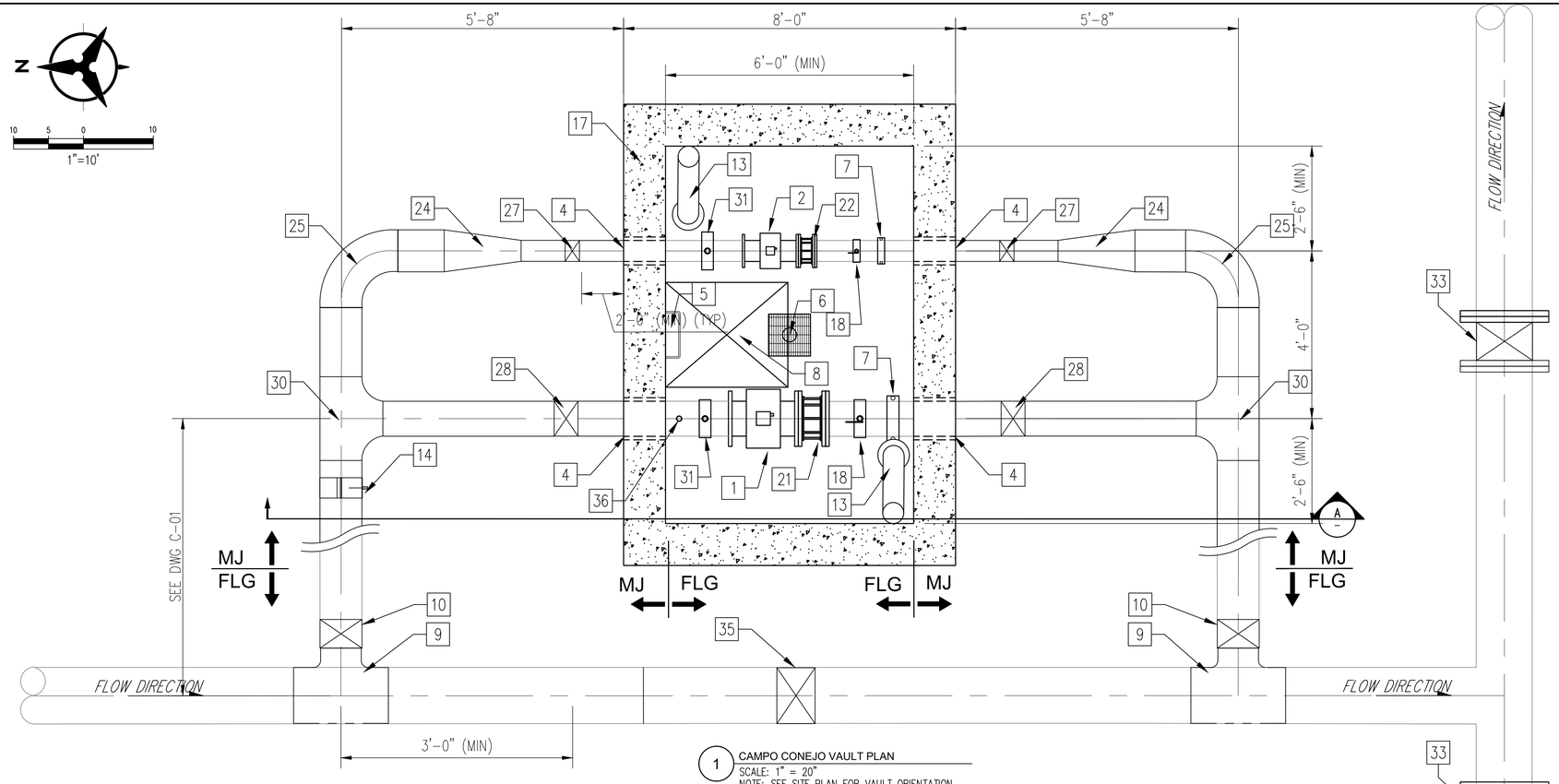
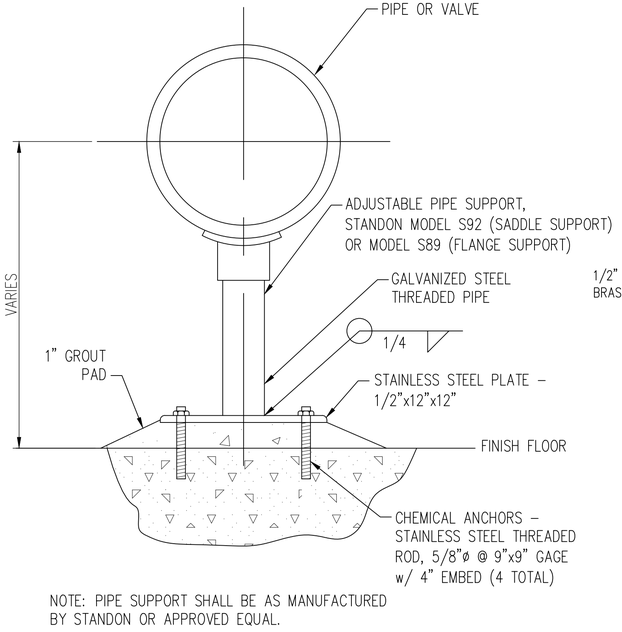
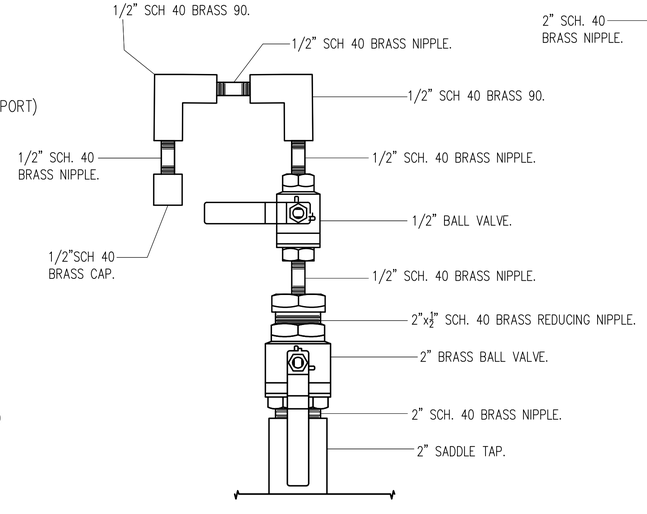


1 CAMPO CONEJO VAULT PLAN
SCALE: 1" = 20"
NOTE: SEE SITE PLAN FOR VAULT ORIENTATION
PIPING ASSEMBLY SHOWN FOR LEFT TO RIGHT FLOW DIRECTION.

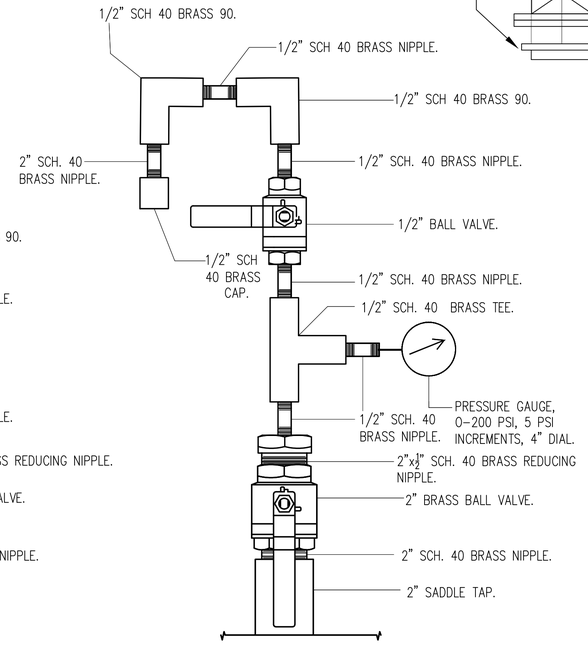


NOTE: PIPE SUPPORT SHALL BE AS MANUFACTURED BY STANDON OR APPROVED EQUAL.

A PIPE STAND DETAIL
SCALE: N.T.S.



B AIR BLOWOFF ASSEMBLY
SCALE: N.T.S.



C PRESSURE SENSOR ASSEMBLY
SCALE: N.T.S.

GENERAL NOTES

1. ALL JOINTS SHALL BE RESTRAINED.
2. ALL PIPE SHALL BE CLASS 200, DUCTILE IRON PIPE
3. PRECAST CONCRETE METER VAULT SHALL BE DESIGNED TO ACCOMMODATE LIFTING, TRANSPORT, AND SERVICE CONDITIONS. THE VAULT DESIGN MUST BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW MEXICO. VAULT FLOOR SHALL BE SLOPED TO DRAIN TO SUMP AT A MAX. OF 2%.
4. METERS AND FLOW TRANSMITTERS TO BE PROVIDED BY THE CITY
5. ALL BORED GV SHALL HAVE VALVE BOX AND COVER PER APWA STD. DWG 2323 AND 2326
6. CITY OF SANTE FE SHALL PROVIDE TEMP SENSOR IFM TN2511 TO BE INSERTED INTO THERMOWELL.

KEYED NOTES:

1. 8" FLOW METER, BADGER M2000, WITH AWWA 150# FLANGES.
2. 6" FLOW METER, BADGER M2000, WITH AWWA 150# FLANGES.
4. WALL PENETRATION SEALED WITH LINK SEAL MODEL C, OR EQUAL (6 LOCATIONS).
5. ACCESS LADDER, SEE DETAIL A, DWG D-03.
6. 12"X12"X4" DEEP FLOOR DRAIN, WITH STEEL GRATE FLUSH WITH VAULT FLOOR, WITH 4" DIA. DRAIN TO PEA GRAVEL POCKET.
7. FORD STYLE 101B SINGLE STRAP BRASS SADDLE, 3/4" TAP
8. 3'X3.5' ACCESS CLEAR OPENING, WITH ACCESS HATCH, CENTERED ON METER. TRAFFIC RATED COVER, PADLOCK INSET, BILCO OR HALLIDAY.
9. 12" X 8" TEE
10. 8" GATE VALVE
13. 6" SCH. 40 GALVANIZED STEEL VENT WITH STAINLESS STEEL INSECT SCREEN. INSTALL SCREEN BETWEEN (2) OPEN FLANGES, WELD NUTS TO BOLTS
14. INSTALL 1" TAPPING SADDLE FOR SAMPLING STATION
17. PRE-CAST CONCRETE VAULT.
18. 2" SADDLE TAP, PRESSURE GAUGE ASSEMBLY. SEE DETAIL C, THIS SHEET, ON DOWNSTREAM SIDE OF FLOW METER.
21. 8" DISMANTLING JOINT, ROMAC DI400
22. 6" DISMANTLING JOINT, ROMAC DI400
24. 8"X6" REDUCER MJXMJ.
25. 8" 90° BEND, MJXMJ.
26. 10"X8" REDUCER, MJXMJ.
27. 6" GATE VALVE MJXMJ.
28. 8" GATE VALVE MJXMJ.
30. 8"X8" TEE, MJXMJ.
31. AIR BLOWOFF. SEE DETAIL B, THIS SHEET.
33. EXISTING 12" GATE VALVE
34. EXISTING 12" CAP
35. NEW 12" GATE VALVE (MJXMJ)
36. CONTRACTOR SHALL INSTALL THERMOWELL MODEL NO. UT0028

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ENGINEER'S SEAL

ANDREW MARK SWARTSWALTER NEW MEXICO 24195 PROFESSIONAL ENGINEER 11-12-20

AS-BUILT INFORMATION

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CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
CAMPO CONEJO VAULT PLAN AND DETAILS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	D-01	5	11

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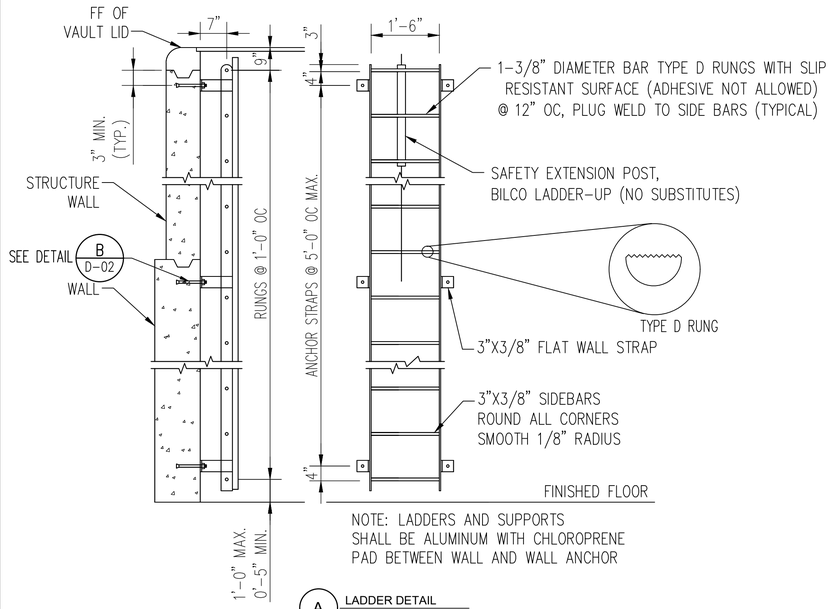
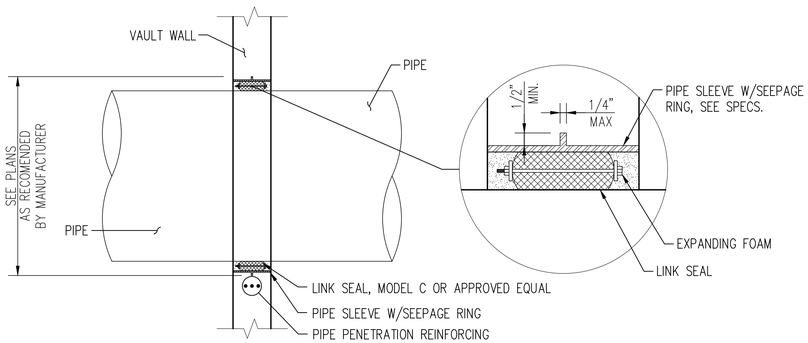


NOTE: LADDERS AND SUPPORTS SHALL BE ALUMINUM WITH CHLOROPRENE PAD BETWEEN WALL AND WALL ANCHOR

A LADDER DETAIL
SCALE: N.T.S



C LINK SEAL DETAIL
SCALE: N.T.S

CONSTRUCTION NOTES:

A. STEEL CASING PIPE 40" DIAMETER AND WALL THICKNESS= 0.375" .

B. BELL DIA. OF CARRIER PIPE.

C. CARRIER PIPE.

D. STEEL CASING SPACER AS MANUFACTURED BY PSI MODEL S12 W/G2 RUNNERS, BWM COMPANY, MODEL BWM SS-12 OR EQUAL, CONTAINING INTEGRAL SUPPORTS THAT ALLOW 4-INCH CONDUITS TO CLEAR BELLS OF CARRIER PIPE.

5/8" DIA. DRILLED CONC. SST EXP ANCHOR (TYP) WITH 4" EMBED DEPTH. INSTALL CHLOROPRENE PAD (1/4" THICK) BETWEEN WALL AND WALL STRAP

NOTE: LADDER AND SUPPORTS SHALL BE ALUMINUM.

B LADDER ANCHOR DETAIL
SCALE: N.T.S.

D SAMPLING STATION DETAIL
SCALE: N.T.S

G ACCESS DRIVES DETAIL
SCALE: N.T.S

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NEW MEXICO
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PROFESSIONAL ENGINEER

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CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
MISCELLANEOUS DETAILS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	D-02	6	11

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Tue, 2-Mar-2021 - 8:59:am, Plotted by: DDEPAULI

GENERAL ELECTRICAL NOTES

1. IF ANY UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH LINES ARE SHOWN, THE LOCATION IS BASED ON INFORMATION PROVIDED BY THE UTILITY OR PIPELINE COMPANY, THE OWNER OR OTHERS, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

2. THE DRAWINGS INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF THE ELECTRICAL WORK. INFORMATION PRESENTED ON THESE DRAWINGS ARE AS ACCURATE AS PLANNING CAN DETERMINE, BUT FIELD VERIFICATION OF ALL DIMENSIONS, LOCATIONS, LEVELS, ETC., TO SUIT FIELD CONDITIONS IS REQUIRED. REVIEW ALL ARCHITECTURAL AND STRUCTURAL DRAWINGS AND ADJUST ALL WORK TO MEET THE REQUIREMENTS OF CONDITIONS SHOWN. THE ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER ALL OTHER DRAWINGS. DISCREPANCIES BETWEEN DIFFERENT PLANS, OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR REGULATIONS AND CODES GOVERNING THE INSTALLATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE THE DATE OF BID OPENING. WHERE DISCREPANCIES OR CONFLICTS OCCUR, THE BID SHALL REFLECT THE MOST STRINGENT REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO FIELD MEASURE AND CONFIRM MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT. DO NOT SCALE DISTANCES OFF THE ELECTRICAL DRAWINGS. USE ACTUAL DIMENSIONS.

3. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY AND CONFIRM THAT EQUIPMENT SUBMITTED SHALL FIT WITHIN THE ALLOTTED SPACE REQUIREMENTS SHOWN ON THE PLANS. IF ANY SPACE OR SIZE DISCREPANCIES ARE ANTICIPATED IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER PRIOR TO SUBMITTAL. ONCE THE SUBMITTALS HAVE BEEN APPROVED IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INSTALL THE EQUIPMENT WITHIN THE ALLOTTED SPACE AT NO ADDITIONAL COST TO THE OWNER.

4. PRIOR TO SUBMITTING A BID FOR ELECTRICAL WORK, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE OF THE PROPOSED CONSTRUCTION AND SHALL THOROUGHLY ACQUAINT HIMSELF WITH EXISTING UTILITIES AND WORKING CONDITIONS TO BE ENCOUNTERED, ETC. ALLOWANCE WILL NOT BE MADE FOR NON-COMPLIANCE WITH THIS CONDITION AFTER BIDDING.

5. THE WIRING DIAGRAMS, BLOCK DIAGRAMS, QUANTITY, SIZE OF WIRES, AND CONDUIT REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFIED.

6. CONDUCTORS IN CONDUIT IN DIRECT SOLAR EXPOSURE MUST BE DE-RATED USING A 140 DEGREE AMBIENT TEMPERATURE. THE CONTRACTOR IS RESPONSIBLE FOR REVISING CONDUCTOR SIZE BASED ON ACTUAL CONDUIT ROUTING.

7. ELECTRICAL DRAWINGS IDENTIFY UTILITY SERVICE REQUIREMENTS FOR POWER WITHIN AND UP TO FIVE FEET OUTSIDE THE STRUCTURE. UTILITY CONDUIT SYSTEMS PULL BOXES, AND OTHER STRUCTURES, WHERE SHOWN ON THE SITE PLAN INDICATE THE PREFERRED ROUTING. THE ELECTRICAL CONTRACTOR SHALL REFER TO UTILITY SERVICE DRAWINGS FOR ACTUAL UTILITY SERVICE REQUIREMENTS FOR THIS PROJECT. UTILITY SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED UTILITY SERVICE DRAWINGS.

8. PERFORM THE EXCAVATION, CUTTING, FITTING, REPAIRING AND FINISHING OF THE WORK NECESSARY FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT HOWEVER, NO CUTTING OF THE WORK OF OTHER TRADES OR OF ANY STRUCTURAL MEMBER SHALL BE DONE WITHOUT THE CONSENT OF THE ENGINEER.

9. PERFORM ALL EXCAVATION AND BACKFILLING REQUIRED FOR WORK PERFORMED UNDER THIS DIVISION OF THE SPECIFICATIONS. TRENCH BOTTOMS SHALL BE GRADED TRUE AND FREE FROM STONES OR SOFT SPOTS. USE EXCAVATED MATERIALS FOR BACKFILL UNLESS OFF SITE MATERIALS ARE DEEMED NECESSARY BY THE ENGINEER. TRENCHING AND BACKFILLING FOR ELECTRICAL AND TELEPHONE UTILITY SERVICES TO BUILDING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS. PROVIDE MINIMUM 95% COMPACTION FOR BACKFILL.

10. ALL CONDUCTORS AND DEVICES TO HAVE A PROPER GROUNDING SYSTEM INSTALLED PER NEC 250. ALL FEEDER AND BRANCH CONDUITS ARE TO BE CONSTRUCTED WITH A PROPERLY COORDINATED GROUND CONDUCTOR SIZED FOR EACH BRANCH CIRCUIT.

11. ALL CONDUIT INSTALLATIONS TO HAVE 24" MIN. BURY. CONDUIT ROAD CROSSINGS TO HAVE CONCRETE ENCASEMENT WHERE SHOWN ON THE PLAN LAYOUTS. ALL CONDUITS TO HAVE 6" RED METALLIC ELECTRIC WARNING TAPE INSTALLED 12" BELOW FINISHED GRADE.

12. NO CONDUIT SMALLER THAN 3/4" PIPE NOR WIRE SMALLER THAN NO. 12 A.W.G. SHALL BE USED UNLESS OTHERWISE NOTED.

13. CONDUIT INSTALLATIONS SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BEAMS AND WALLS.

14. CONDUITS SHALL BE TERMINATED SO AS TO PERMIT NEAT CONNECTIONS TO ENCLOSURES AND OTHER EQUIPMENT.

15. ALL 90 DEGREE ELBOWS IN DIRECT BURIED OR CONCRETE ENCASED UNDERGROUND CONDUIT DUCTBANK SYSTEM SHALL BE PVC COATED GALVANIZED RIGID STEEL.

16. COVER METALLIC CONDUIT IN CONTACT WITH EARTH OR FILL, WITH POLYETHYLENE TAPE SPIRAL WRAPPED, 1/2" LAPPED TO PROVIDE DOUBLE THICKNESS. TAPE SHALL BE SCOTCH NO. 50 TAPE. CONDUIT AND DUCTS NOT UNDER BUILDINGS AND FEEDER DUCTS SHALL BE INSTALLED PER NEC 300.5, EXCEPT THAT THE BENDS IN CONDUIT LARGER THAN 1" IN DIAMETER SHALL BE MADE WITH GALVANIZED STEEL CONDUIT TREATED AS NOTED ABOVE. MAKE JOINTS WITH COMPOUND TO BE WATERTIGHT.

17. PENETRATION THROUGH FLOOR SLABS SHALL BE IN WRAPPED RIGID STEEL.

18. ALL CONDUIT AND FITTINGS IN NEMA 4X HAZARDOUS AREAS INDICATED ON THE DRAWINGS SHALL BE PVC JACKETED RIGID METALLIC TYPE OR SCHEDULE 80 PVC.

19. ALL CONDUIT AND FITTINGS IN UNDERGROUND SUBMERSIBLE VAULTS SHALL BE PVC JACKETED RIGID METALLIC TYPE OR SCHEDULE 80 PVC WITH LOW POINT DRAIN.

20. ALL SHIELDED CABLES SHALL BE INSTALLED IN RIGID STEEL CONDUIT OR PVC COATED RIGID STEEL CONDUIT BASED ON THE NEMA RATING OF THE AREA.

21. ALL CONDUITS ENTERING NEMA 4X OR NEMA 3R BOXES, CONTROL STATIONS OR OTHER EQUIPMENT RATED NEMA 4X SHALL BE TERMINATED AT THE BOX WITH A MEYERS HUB OR EQUAL.

22. ALL EMPTY CONDUIT SYSTEMS SHALL HAVE A 210 POUND TEST PULL CORD INSTALLED TO FACILITATE INSTALLATION OF FUTURE WIRE.

23. FLEXIBLE METALLIC AND NON-METALLIC CONDUIT SYSTEMS SHALL HAVE A CODE SIZED COPPER GROUND CONDUCTOR. INCREASE CONDUIT SIZE AS REQUIRED.

24. ALL RECEPTACLE AND LIGHTING CONDUITS SHALL BE INSTALLED WITHIN BUILDING WALLS. ALL RECEPTACLE AND LIGHT SWITCH BOXES SHALL BE RECESSED INTO WALL SPACE AND FLUSH MOUNTED WITH WALL PLATES.

25. LIGHTING FIXTURES SHALL BE MOUNTED ACCORDING TO THE MOUNTING HEIGHT GIVEN ON THE DRAWINGS. THE MOUNTING HEIGHT SHALL BE MEASURED FROM THE BOTTOM OF THE LIGHTING FIXTURE TO FINISHED GRADE OR FINISHED FLOOR.

26. EXTERIOR LIGHTING SHALL COMPLY WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT OUTDOOR LIGHTING ORDINANCE IN THAT ALL FIXTURES WILL BE FULL CUT-OFF AND HAVE LESS THAN SEVENTY (70) LUMENS PER SQUARE FOOT AT GROUND LEVEL UNLESS INDICATED OTHERWISE.

27. ALL CONDUIT INFRASTRUCTURE AND FOUNDATIONS TO BE INSTALLED FOR UTILITY EQUIPMENT SHALL BE INSPECTED AND APPROVED BY UTILITY CONSTRUCTION PERSONNEL PRIOR TO BACKFILL OF ANY MATERIALS.

28. UPON COMPLETION OF THE WORK UNDER THESE DRAWINGS AND SPECIFICATIONS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE SET OF MARKED-UP ELECTRICAL DRAWINGS SHOWING THE "AS-BUILT" CONDITION OF THE WORK. BOND PRINTS OF THE DRAWINGS REQUIRED WILL BE FURNISHED BY THE OWNER, FOR THIS PURPOSE.

29. ALL CONDUIT PENETRATIONS INTO ENCLOSURES AND BOXES SHALL BE BOTTOM ENTRY ONLY.

SYMBOLS LEGEND

NOTE: SOME SYMBOLS/ ABBREVIATIONS MAY NOT BE USED.

LPA-5 — DUPLEX RECEPTACLE – GFI
LPA-5 – INDICATES CKT. (TYP)

J — CODE SIZE J-BOX

GROUND ROD

GROUND CONNECTION

100 / 3/P — CIRCUIT BREAKER
100A – TRIP RATING
3P – NUMBER OF POLES

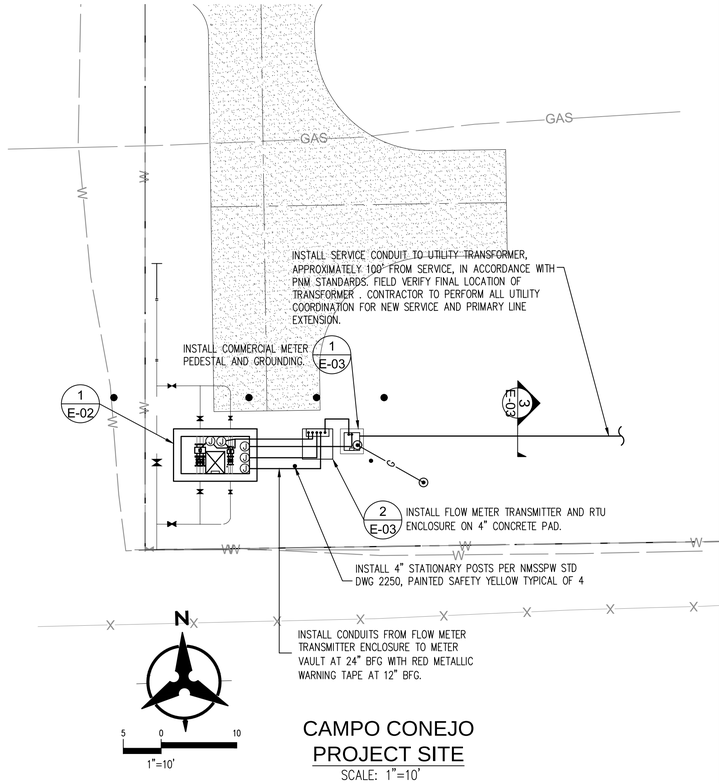
FUSE

240V / 50KVA / 120V — TRANSFORMER
240V – PRIMARY VOLTAGE
50KVA – RATING
120V – SECONDARY VOLTAGE

SURGE PROTECTIVE DEVICE (SPD)

ABBREVIATIONS

A	AMPS, AMPERES
AC	ALTERNATING CURRENT
ADA	AMERICANS WITH DISABILITIES ACT
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CURRENT
AL	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AT	AMP TRIP
ATO	AUTOMATIC THROWOVER SYSTEM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CCTV	CLOSED CIRCUIT TV
CKT	CIRCUIT
CLF	CURRENT LIMITING FUSE
CO	CONDUIT ONLY
CU	COPPER
DC	DIRECT CURRENT
DIA	DIAMETER
DMM	DIGITAL MULTIMETER
DS	DIGESTED SLUDGE
EPEC	EL PASO ELECTRIC COMPANY
FA	FIRE ALARM
FLA	FULL LOAD AMPS
GND	GROUND
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT
KVA	KILOVOLT AMPS
KW	KILOWATT
KWH	KILOWATT HOUR
LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MIN	MINIMUM
MVA	MEGAVOLT AMPS
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
N, NEMA	NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION
NEU	NEUTRAL
NIC	NOT IN CONTRACT
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO	NORMALLY OPEN
PC	PHOTOCELL
PH	PHASE
RSC	RIGID STEEL CONDUIT
RMC	RIGID METALLIC CONDUIT
RTU	REMOTE TELEMETRY UNIT
RVSS	REDUCED VOLTAGE SOFT STARTER
SS	SURGE SUPPRESSION
SPD	SURGE PROTECTION DEVICE
TWSH	TWISTED SHIELDED (SINGLE PAIR UNLESS INDICATED MULTIPAIR)
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
V	VOLTS, VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFER	TRANSFER
XP	EXPLOSION PROOF



CAMPO CONEJO
PROJECT SITE
SCALE: 1"=10'

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

ENGINEER'S SEAL

AS-BUILT INFORMATION

BENCH MARKS	CONTRACTOR DATE	WORK STAKED BY DATE	INSPECTOR'S ACCEPTANCE BY DATE	FIELD CERTIFICATION BY DATE	DRAWINGS CORRECTED BY DATE

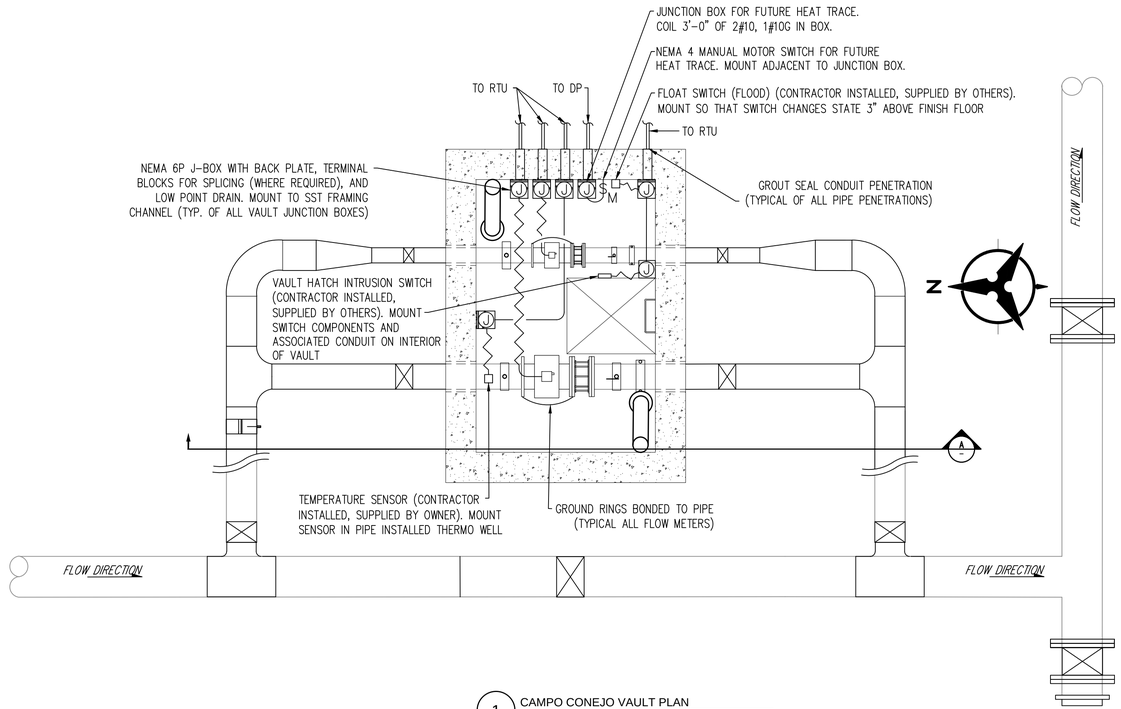
NO.	DATE	REMARKS / REVISIONS / DESIGN	BY
		DESIGNED BY ETF	DATE 06/2019
		DRAWN BY ETF	DATE 06/2019
		CHECKED BY MRT	DATE 06/2019

Bohannan Huston
www.bhinc.com 800.877.5332

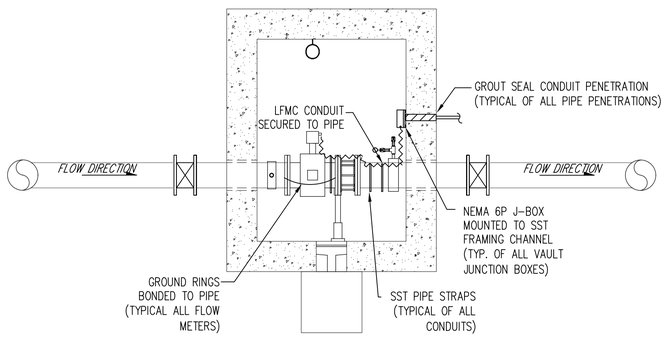
CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
ELECTRICAL SITE PLAN

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	E-01	7	11

P:\20190555\WR\Design\plans\Campo Conejo MM Vault Plans\20190555_07_CC-ElecSitePlans.dwg
Tue, 23-Mar-2021 - 11:51:am, Plotted by: PSCHMITTLE



1 CAMPO CONEJO VAULT PLAN
SCALE: 1" = 30'
E-01



A METER VAULT SECTION
SCALE: 1" = 30'

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ENGINEER'S SEAL

MATTHEW R. THOMPSON
NEW MEXICO
13868
PROFESSIONAL ENGINEER
3-24-2021

AS-BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

BENCH MARKS

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY ETF	DATE 06/2019
		DRAWN BY ETF	DATE 06/2019
		CHECKED BY MRT	DATE 06/2019

Bohannan Huston
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CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
TYPICAL VAULT, PLAN AND SECTION, AND ELECTRICAL DETAILS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	E-02	8	11

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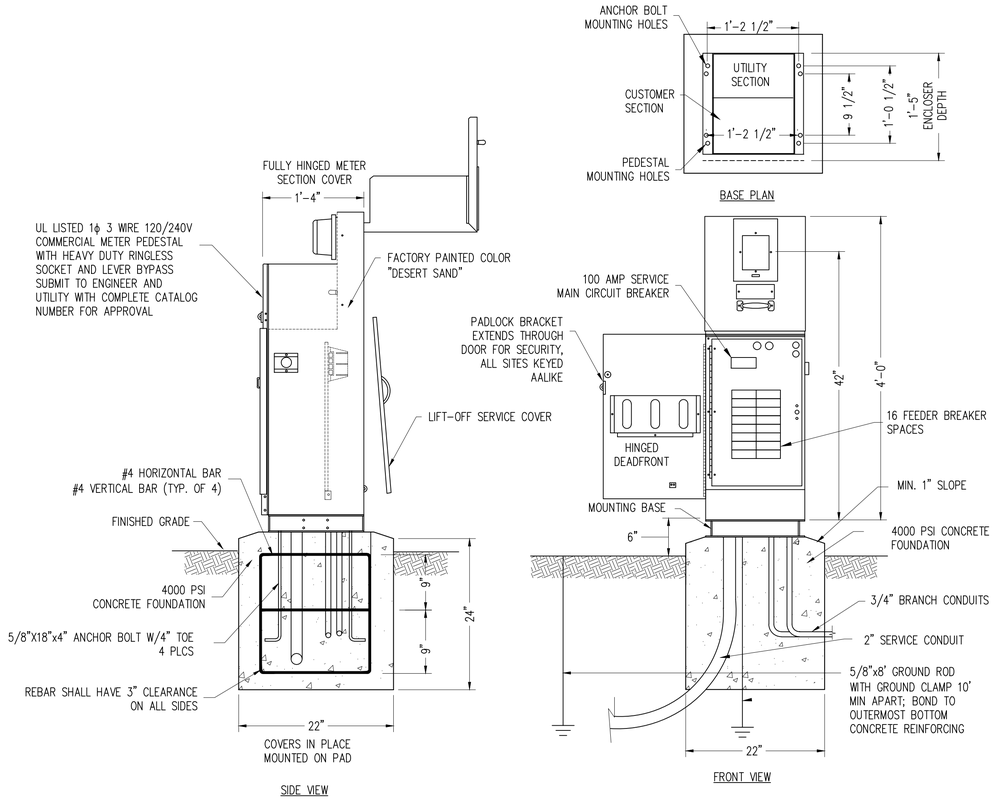
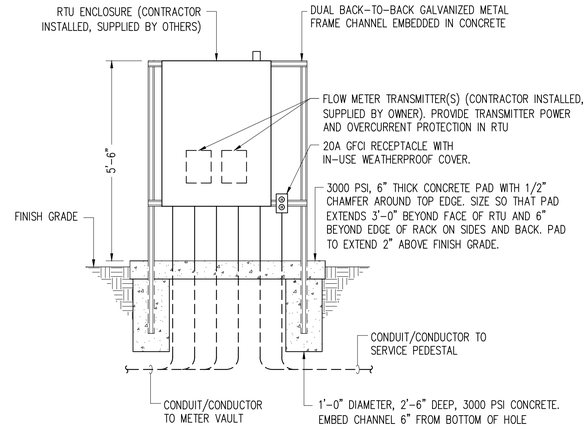
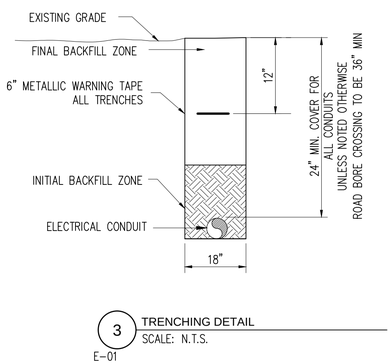


1 COMMERCIAL SERVICE PEDESTAL PER PNM MS-5-6.0
SCALE: N.T.S.
E-01



2 FLOW METER AMPLIFIER ENCLOSURE DETAIL
SCALE: N.T.S.
E-01



3 TRENCHING DETAIL
SCALE: N.T.S.
E-01

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ENGINEER'S SEAL

MATTHEW R. THOMPSON 21691 NEW MEXICO 13868 PROFESSIONAL ENGINEER
3-24-2021

AS-BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD CERTIFICATION BY	
DRAWINGS CORRECTED BY	

BENCH MARKS

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY ETF DATE 06/2019
DRAWN BY ETF DATE 06/2019
CHECKED BY MRT DATE 06/2019

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CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
ELECTRICAL DETAILS

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	E-03	9	11

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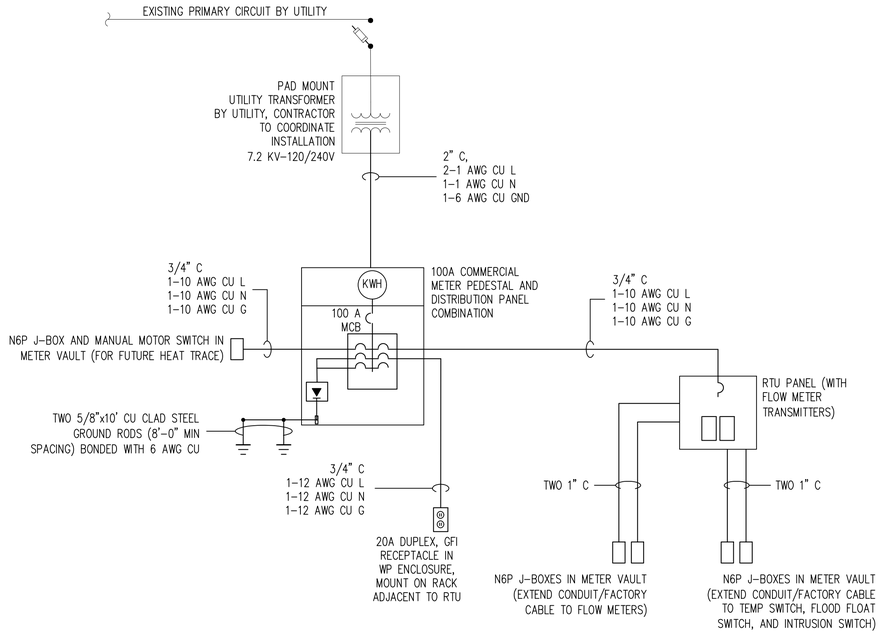

1 CAMPO CONEJO POWER AND CONTROL ONE LINE DIAGRAM
SCALE: N.T.S.
E-01

Project ID : 120/240 SERVICE (CAMPO CONEJO)	Date - 12/15/20	Single Phase System
(Assumes infinite primary fault current available)		
Power Co. Transformer (T1) =		
Transformer KVA >>	25	
Transformer Impedance (%Z) >>	1.20	
Voltage (line to line) >>	240	
Voltage (line to Neutral) >>	120	
Transformer full load amps =	104	
Available Fault current from system =	8,681	
Motor contribution >>	0	<< (Motor full load current X 4)
If available fault current is known, Enter Here >>	22,000	
Available Fault amps at transformer secondary lugs L-L =	**22,000**	
Available Fault amps at transformer secondary lugs L-N =	**33,000**	
Fault Point 1	Point 1 >> Description >>	METER PEDESTAL
Distance from Point No. 1 >>	250	
Conductor size >>	1	
No. of conductors per phase >>	1	
(C)u.or (A)l.wire + (M)agnetic or (N)on-magnetic conduit >>	CN	Copper Conductors, Non-Magnetic Conduit
Available Fault amps at Point No. 1 (L-L) =	**6,445**	Minimum Equipment Rating 22kAIC
Available Fault amps at Point No. 1 (L-N) =	**1,580**	

ELECTRICAL SERVICE LOAD SUMMARY SANTA FE COUNTY MASTER METERS (CAMPO CONEJO AND RICHARDS EAST PROJECT SITS)		
120/240 VOLT, 1 PHASE CONNECTED LOAD	**FLA**	**KVA**
RTU PANEL/INSTRUMENTS	2.5	0.6
RECEPTACLE (RACK MOUNT)	0.8	0.2
HEAT TRACE (FUTURE)	4.0	1.0
TOTAL CONNECTED LOAD AT 240V	**7.0**	**2.0**
DEMAND LOAD SUMMARY:	**ESTIMATED DEMAND (%)**	**ESTIMATED DEMAND (KVA)**
RTU PANEL/INSTRUMENTS	125%	0.8
RECEPTACLE (RACK MOUNT)	100%	0.2
HEAT TRACE (FUTURE)	125%	1.2
FEEDER RATING:	KVA =	2.1
	AMPS =	9
	VOLTS =	120/240
FEEDER CIRCUIT BREAKER RATING (AMPS) =	100	
PHASE CONDUCTOR =	1 AWG CU	
NEUTRAL CONDUCTOR =	1 AWG CU	
CONDUIT =	2"	
VOLTAGE =	240	
ASSUMED MAXIMUM KVA DEMAND =	2.1	

POWER PANEL SCHEDULE FOR CAMPO CONEJO PROJECT SITE (DP)
Ratings: 120/240 VAC, 1 phase, 3 Wire 100 AMP MCB, integrated into meter pedestal, 22kAIC MIN

CIRCUIT#	DESCRIPTION	CB SIZE	VA	Phase A	Phase B	VA	CB SIZE	DESCRIPTION	CIRCUIT#
1	SPD	30A/2P	0	180		180	20A/1P	RECEPTACLE (RACK MOUNT)	2
3		***	0		960	960	30A/1P GFI	HEAT TRACE (FUTURE)	4
5	SPARE	20A/1P GFI	0	600		600	20A/1P	RTU PANEL	6
7	SPARE	20A/1P	0		0	0	20A/1P	SPARE	8
9	SPARE	20A/1P	0	0		0	20A/1P	SPARE	10
11	SPACE	***	0		0	0	***	SPACE	12
13	SPACE	***	0	0		0	***	SPACE	14
15	SPACE	***	0		0	0	***	SPACE	16
	Total Connected Load			780	960	Estimated Demand			
	Phase Demand Load			**780**	**960**				
	Total Demand Load				**1740**				
	Feeder Voltage				**240**				
	Feeder Amps				**7**				

NAMEPLATE SCHEDULE

EQUIPMENT DESCRIPTION	NAMEPLATE INFORMATION	NAMEPLATE TYPE (SPEC 16195)	NOTES
Level Switch (Float)	LSH	316 SS; 3/16" Text Height	Hang Adjacent to Device with Stainless Steel Wire
Pipe Temperature Element	TE	316 SS; 3/16" Text Height	Hang Adjacent to Device with Stainless Steel Wire
Vault Hatch Intrusion Switch	ZSC	316 SS; 3/16" Text Height	Hang Adjacent to Device with Stainless Steel Wire
12" Flow Meter Element	FE-1	316 SS; 3/16" Text Height	Hang Adjacent to Device with Stainless Steel Wire
6" Flow Meter Element	FE-2	316 SS; 3/16" Text Height	Hang Adjacent to Device with Stainless Steel Wire
12" Flow Meter Transmitter	FIT-1	Phenolic; 3/8" Text Height	Mechanically Attach above Device on Subpanel
6" Flow Meter Transmitter	FIT-2	Phenolic; 3/8" Text Height	Mechanically Attach above Device on Subpanel
Remote Terminal Unit	REMOTE TERMINAL UNIT (RTU) SERVED FROM: DP	316 SS; 3/8" Text Height	Mechanically Attach to Enclosue Door
120/240V Service Pedestal/Distribution Panel	PANELBOARD DP SERVED FROM: UTILITY METER	316 SS; 3/8" Text Height	Mechanically Attach to Distribution Panel Door

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ENGINEER'S SEAL

MATTHEW R. THOMPSON NEW MEXICO 13868 PROFESSIONAL ENGINEER
3-24-2021

AS-BUILT INFORMATION

	CONTRACTOR	WORK STAKED BY	INSPECTOR'S ACCEPTANCE BY	FIELD VERIFICATION BY	DRAWINGS CORRECTED BY
DATE					

BENCH MARKS

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE 06/2019		DESIGNED BY ETF
	DATE 06/2019		DRAWN BY ETF
	DATE 06/2019		CHECKED BY MRT

Bohannan Huston
www.bhinc.com 800.877.5332

CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
ELECTRICAL ONE-LINES AND SCHEDULES

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	E-04	10	11

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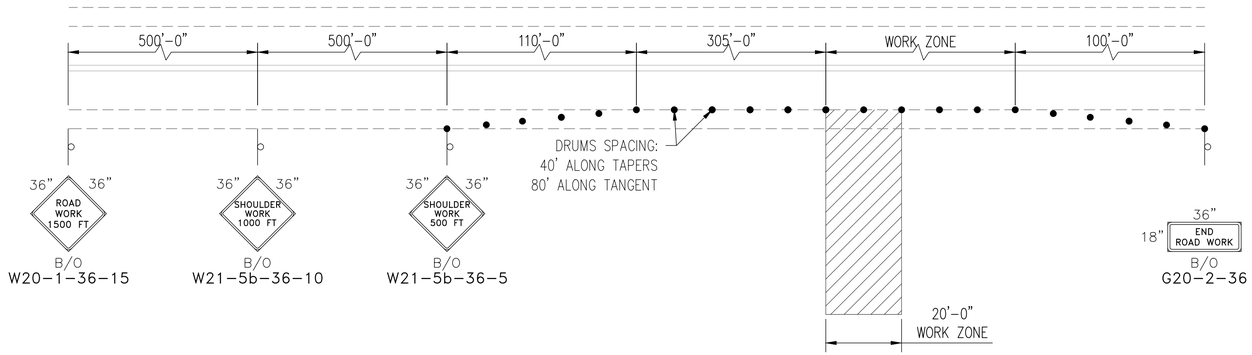
Tue, 23-Mar-2021 - 11:51:am, Plotted by: PSCHMITTE

NOTES:

1. TRAFFIC CONTROL SHALL BE COORDINATED BY THE CONTRACTOR AND TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE APPROPRIATE AUTHORITY (NMDOT OR SANTA FE COUNTY PRIOR TO WORK).
2. ANY AND ALL WORK WITHIN THE NMDOT RIGHT-OF-WAY WILL REQUIRE A PERMIT FROM NMDOT DISTRICT 5.
3. NO EQUIPMENT OR MATERIALS SHALL BE STORED WITHIN THE NMDOT RIGHT OF WAY.
4. NMDOT DISTRICT 5 SHALL APPROVE ALL TRAFFIC CONTROL PLANS.
5. CONTRACTOR SHALL USE FLAGGERS AS NEEDED TO CONSTRUCT ACCESS ROAD ADJACENT TO RICHARDS ROAD.



TYPICAL TRAFFIC CONTROL DETAIL
RABBIT ROAD
(CAMPO CONEJO PROJECT SITE)
N.T.S.
POSTED SPEED 40 MPH

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

ENGINEER'S SEAL

JEANETTE A. WALTHER
NEW MEXICO
11243
REGISTERED PROFESSIONAL ENGINEER
3/22/21

AS-BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

BENCH MARKS

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY	AMS
DRAWN BY	NEC
CHECKED BY	TAB
DATE	11/2020
DATE	11/2020
DATE	11/2020

Bohannan Huston
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CITY OF SANTA FE
CAMPO CONEJO MASTER METER VAULT
SUGGESTED TRAFFIC CONTROL PLAN

BHI PROJECT NO.	DWG NO.	SHEET	OF
20190555	TC-01	11	11

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Tue, 23-Mar-2021 - 12:08:pm, Plotted by: TDEPAUL