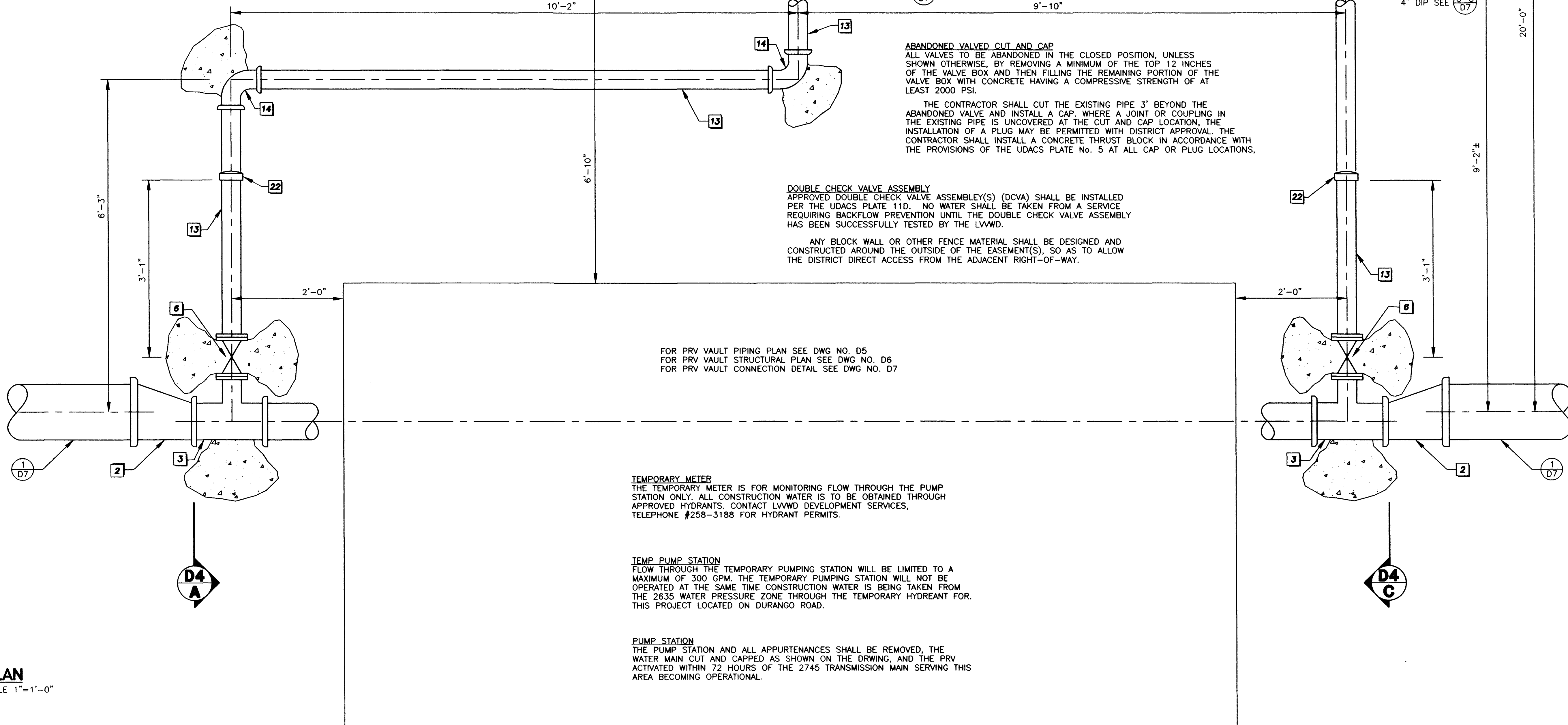


CONSTRUCTION NOTES

- 1 30 hp CENTRIFUGAL PUMP, 300 GPM AT 205 TDH. FAIRBANKS MORSE MODEL 2" 2873A, 3550 RPM, 400V, 60hz, SINGLE PHASE.
- 2 12"x8" ECCENTRIC REDUCER FLG x FLG
- 3 8"x8"x4" FLG DUCTILE IRON TEE WITH THRUST BLOCK, SEE (1 D2)
- 4 PIPE SUPPORT GRINNELL FIG 264 WITH BASE, SEE (3 D6)
- 5 4" FLANGED DUCTILE IRON ELBOW
- 6 4" FLANGED RESILIENT WEDGE GATE VALVE, WITH HAND WHEEL (2 D2)
- 7 2" STEEL 90° ELBOW, NPT
- 8 2"x9" REDUCING FLANGE, FOR 2" STEEL NPT NIPPLE
- 9 2" STEEL NIPPLE, NPT x NPT
- 10 2 1/2" STEEL NIPPLE, NPT x NPT
- 11 2 1/2" FLOW CONTROL VALVE, CLA-VAL 40-01
- 12 2" STEEL COMPANION FLANGE, FOR 2" STEEL NPT NIPPLE
- 13 4" DUCTILE IRON FLG X PE SPOOL
- 14 4" 90° DUCTILE IRON ELBOW WITH THRUST BLOCK, SEE (1 D2)
- 15 4" DUCTILE IRON ELBOW, FLG x FLG
- 16 4" DUCTILE IRON SPOOL, FLG x GROOVED END
- 17 2 1/2"x9" STEEL REDUCING FLANGE, FOR 2 1/2" STEEL NPT NIPPLE
- 18 2 1/2"x4" FLANGED STEEL REDUCER
- 19 3'x6'x4" 3000 PSI @ 28 DAY CONCRETE PAD W/ WWF
- 20 4" ROCKWELL TURBO W-1000 WITH STRAINER TURBINE METER, MODEL MHR
- 21 2 1/2" ORIFICE PLATE, CLA-VAL 40-01
- 22 CUT & CAP (WHEN TEMPORARY PUMPING STATION IS REMOVED)
- 23 4" DCVA, CLA-VAL MODEL D-4
- 24 4" MECHANICAL COUPLING

NOTE:
1. ALL 2" AND 2 1/2" DIA STEEL PIPE WITH THREADED ENDS SHALL BE CUT FROM STOCK MATERIAL AND THREADED IN THE FIELD TO FIT.
2. RESTRAIN ALL JOINTS.



PLAN
SCALE 1"=1'-0"

FOR PRV VAULT PIPING PLAN SEE DWG NO. D5
FOR PRV VAULT STRUCTURAL PLAN SEE DWG NO. D6
FOR PRV VAULT CONNECTION DETAIL SEE DWG NO. D7

TEMPORARY METER
THE TEMPORARY METER IS FOR MONITORING FLOW THROUGH THE PUMP STATION ONLY. ALL CONSTRUCTION WATER IS TO BE OBTAINED THROUGH APPROVED HYDRANTS. CONTACT LVWD DEVELOPMENT SERVICES, TELEPHONE #258-3188 FOR HYDRANT PERMITS.

TEMP PUMP STATION
FLOW THROUGH THE TEMPORARY PUMPING STATION WILL BE LIMITED TO A MAXIMUM OF 300 GPM. THE TEMPORARY PUMPING STATION WILL NOT BE OPERATED AT THE SAME TIME CONSTRUCTION WATER IS BEING TAKEN FROM THE 2635 WATER PRESSURE ZONE THROUGH THE TEMPORARY HYDREANT FOR THIS PROJECT LOCATED ON DURANGO ROAD.

PUMP STATION
THE PUMP STATION AND ALL APPURTENANCES SHALL BE REMOVED, THE WATER MAIN CUT AND CAPPED AS SHOWN ON THE DRWG, AND THE PRV ACTIVATED WITHIN 72 HOURS OF THE 2745 TRANSMISSION MAIN SERVING THIS AREA BECOMING OPERATIONAL.

ABANDONED VALVED CUT AND CAP
ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2000 PSI.
THE CONTRACTOR SHALL CUT THE EXISTING PIPE, 3' BEYOND THE ABANDONED VALVE AND INSTALL A CAP. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE UDACS PLATE No. 5 AT ALL CAP OR PLUG LOCATIONS.

DOUBLE CHECK VALVE ASSEMBLY
APPROVED DOUBLE CHECK VALVE ASSEMBLY(S) (DCVA) SHALL BE INSTALLED PER THE UDACS PLATE 11D. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE DOUBLE CHECK VALVE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

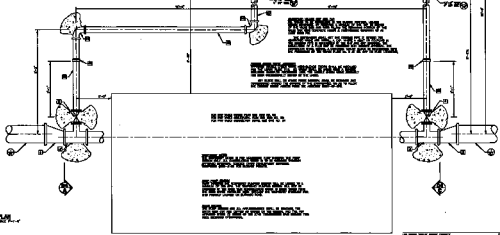
PUMP STATION
THE PUMP STATION AND ALL APPURTENANCES SHALL BE REMOVED, THE WATER MAIN CUT AND CAPPED AS SHOWN ON THE DRAWING, AND THE PRV ACTIVATED WITHIN 72 HOURS OF THE 2745 TRANSMISSION MAIN SERVING THIS AREA BECOMING OPERATIONAL.

PACIFIC COMMUNITIES DEVELOPMENT CORPORATION	
POST: 801 N. Green Valley Pk., Suite 200, Henderson, NV 89014 BUCKLEY, SCHULTZ & JEFFERSON TELEPHONE: 702/263-7275 FAX: 702/263-7200	
ENGINEERING PLANNING SURVEYING CONSTRUCTION SERVICES	
VERIFY SCALE 1/2" = 0' 1/2" = 1' 1" = 2'	
BAR REPRESENTS ONE AND ONE-HALF INCHES ON ORIGINAL	
DURANGO DRIVE / IRON MOUNTAIN ROAD 2745 ZONE RECIRCULATION PIPELINE	
PUMP STATION EQUIPMENT LAYOUT PLAN	
SCALE AS NOTED	
DWG/996/996/369-D1 DWG Plot @ 9-04-97 12:00 PM	
DRAWN BY: 08/04/97	CHECKED BY: 08/04/97
RECOMMENDED BY: 12/12/97	ACCEPTED BY: 1/10/97
LOUIS A. ATWELL	STEVEN BRIDGMAN
10583	10583
R.P.E. NO. DATE	R.P.E. NO. DATE
PROFESSIONAL ENGINEER - STATE OF NEVADA LOUIS A. ATWELL No. 12112	
CONTRACT NUMBER	
DRAWING NUMBER D3 SHEET 27 OF 32	

CONSTRUCTION NOTES

1. ALL PIPING TO BE 2" DIA.
2. ALL PIPING TO BE 1" DIA.
3. ALL PIPING TO BE 1/2" DIA.
4. ALL PIPING TO BE 1/4" DIA.
5. ALL PIPING TO BE 1/8" DIA.
6. ALL PIPING TO BE 1/16" DIA.
7. ALL PIPING TO BE 1/32" DIA.
8. ALL PIPING TO BE 1/64" DIA.
9. ALL PIPING TO BE 1/128" DIA.
10. ALL PIPING TO BE 1/256" DIA.
11. ALL PIPING TO BE 1/512" DIA.
12. ALL PIPING TO BE 1/1024" DIA.
13. ALL PIPING TO BE 1/2048" DIA.
14. ALL PIPING TO BE 1/4096" DIA.
15. ALL PIPING TO BE 1/8192" DIA.
16. ALL PIPING TO BE 1/16384" DIA.
17. ALL PIPING TO BE 1/32768" DIA.
18. ALL PIPING TO BE 1/65536" DIA.
19. ALL PIPING TO BE 1/131072" DIA.
20. ALL PIPING TO BE 1/262144" DIA.
21. ALL PIPING TO BE 1/524288" DIA.
22. ALL PIPING TO BE 1/1048576" DIA.
23. ALL PIPING TO BE 1/2097152" DIA.
24. ALL PIPING TO BE 1/4194304" DIA.
25. ALL PIPING TO BE 1/8388608" DIA.
26. ALL PIPING TO BE 1/16777216" DIA.
27. ALL PIPING TO BE 1/33554432" DIA.
28. ALL PIPING TO BE 1/67108864" DIA.
29. ALL PIPING TO BE 1/134217728" DIA.
30. ALL PIPING TO BE 1/268435456" DIA.
31. ALL PIPING TO BE 1/536870912" DIA.
32. ALL PIPING TO BE 1/1073741824" DIA.
33. ALL PIPING TO BE 1/2147483648" DIA.
34. ALL PIPING TO BE 1/4294967296" DIA.
35. ALL PIPING TO BE 1/8589934592" DIA.
36. ALL PIPING TO BE 1/17179869184" DIA.
37. ALL PIPING TO BE 1/34359738368" DIA.
38. ALL PIPING TO BE 1/68719476736" DIA.
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41. ALL PIPING TO BE 1/549755813888" DIA.
42. ALL PIPING TO BE 1/1099511627776" DIA.
43. ALL PIPING TO BE 1/2199023255552" DIA.
44. ALL PIPING TO BE 1/4398046511104" DIA.
45. ALL PIPING TO BE 1/8796093022208" DIA.
46. ALL PIPING TO BE 1/17592186044416" DIA.
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52. ALL PIPING TO BE 1/1125899906842624" DIA.
53. ALL PIPING TO BE 1/2251799813685248" DIA.
54. ALL PIPING TO BE 1/4503599627370496" DIA.
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57. ALL PIPING TO BE 1/36028797018963968" DIA.
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59. ALL PIPING TO BE 1/144115188075855872" DIA.
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61. ALL PIPING TO BE 1/576460752303423488" DIA.
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63. ALL PIPING TO BE 1/2305843009213693952" DIA.
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65. ALL PIPING TO BE 1/9223372036854775808" DIA.
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68. ALL PIPING TO BE 1/73786976294838206464" DIA.
69. ALL PIPING TO BE 1/147573952589676412928" DIA.
70. ALL PIPING TO BE 1/295147905179352825856" DIA.
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82. ALL PIPING TO BE 1/1208925819614629174706176" DIA.
83. ALL PIPING TO BE 1/2417851639229258349412352" DIA.
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85. ALL PIPING TO BE 1/9671406556917033397649408" DIA.
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89. ALL PIPING TO BE 1/154742504910672534362390528" DIA.
90. ALL PIPING TO BE 1/309485009821345068724781056" DIA.
91. ALL PIPING TO BE 1/618970019642690137449562112" DIA.
92. ALL PIPING TO BE 1/1237940039285380274899124224" DIA.
93. ALL PIPING TO BE 1/2475880078570760549798248448" DIA.
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97. ALL PIPING TO BE 1/39614081257132168796771975168" DIA.
98. ALL PIPING TO BE 1/79228162514264337593543950336" DIA.
99. ALL PIPING TO BE 1/158456325028528675187087900672" DIA.
100. ALL PIPING TO BE 1/316912650057057350374175801344" DIA.

THE ABOVE NOTES ARE TO BE USED IN CONJUNCTION WITH THE DRAWING. ANY DISCREPANCY SHALL BE THE RESPONSIBILITY OF THE USER.



PLAN
Sheet No. 1

PROJECT: PUMP STATION EQUIPMENT LAYOUT PLAN

DATE: 10/10/2023

SCALE: 1" = 10'-0"

DESIGNER: [Signature]

CHECKER: [Signature]

APPROVER: [Signature]

PROJECT: PUMP STATION EQUIPMENT LAYOUT PLAN

DATE: 10/10/2023

SCALE: 1" = 10'-0"

DESIGNER: [Signature]

CHECKER: [Signature]

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PROJECT: PUMP STATION EQUIPMENT LAYOUT PLAN

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DESIGNER: [Signature]

CHECKER: [Signature]

APPROVER: [Signature]