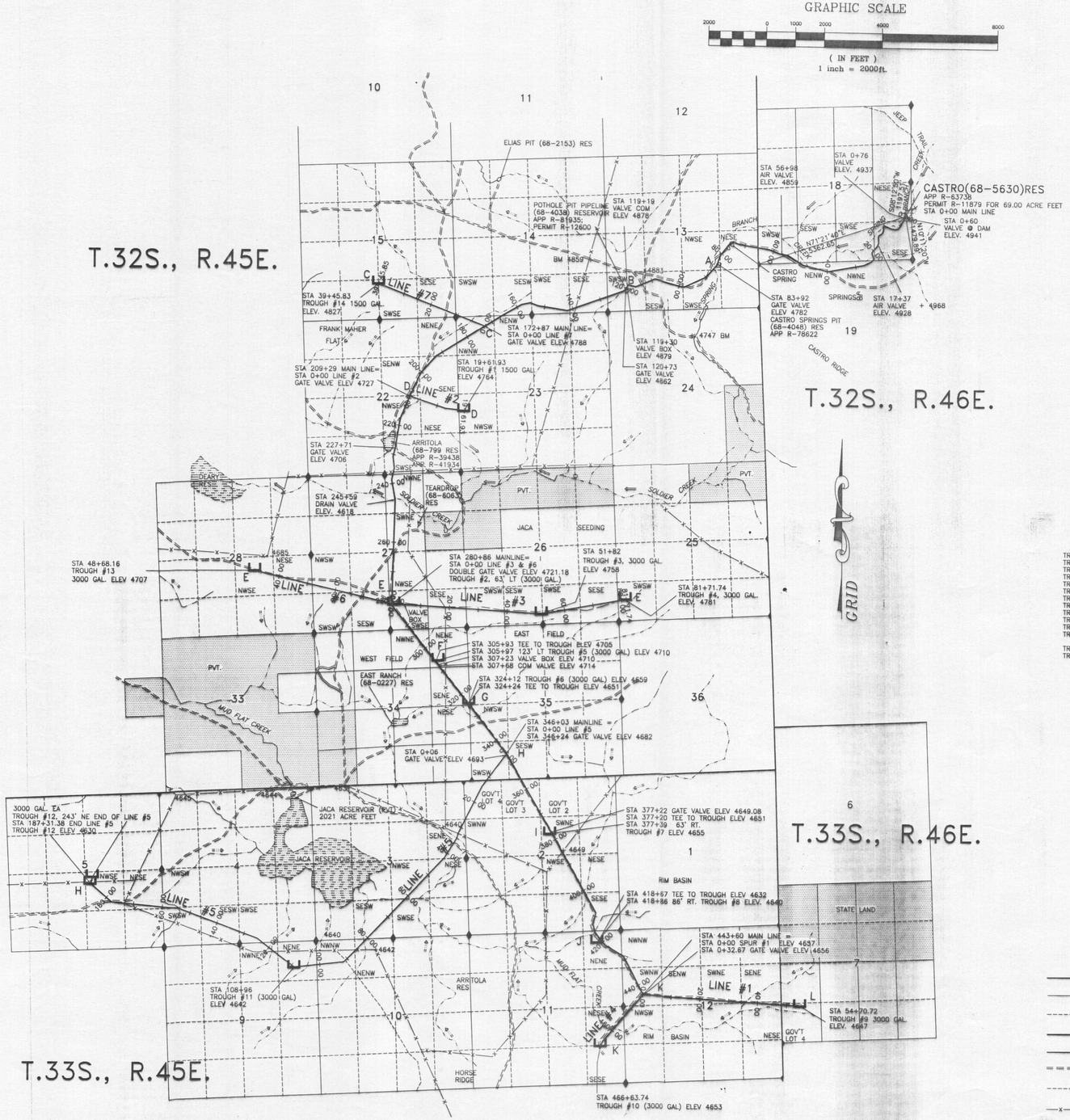
CASTRO PIPELINE AS BUILT



DESCRIPTION

THIS MAP WAS DRAWN IN NAD 27 OREGON SOUTH STATE PLANE COORDINATES. DATA FOR SECTION CORNERS, PIPELINES, TROUGHS AND VALVES WAS COLLECTED USING A TRIMBLE PRO-XR AND A TRIMBLE PRO-XRS GPS UNIT. THERE WAS LESS THAN ONE FOOT HORIZONTAL ERROR AND THREE FOOT VERTICAL ERROR. OTHER CORNERS WERE CALCULATED OR OBTAINED FROM GIS GCDB DATA. THE BACKGROUND DATA WAS DIGITIZED FROM U.S.G.S. QUAD MAPS. THE CONGERENCE ANGLE WAS 2°18'22.459" AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 32 SOUTH, RANGE 46 EAST, W.M.

CASTRO PIPELINE IS SITUATED WITHIN THE FOLLOWING U.S.G.S. QUADS:
- JUNIPER POINT, OREG-IDAHO – 7 1/2'
- JUNIPER RIDGE, OREG – 7 1/2'
- PARSNIP PEAK, OREG-IDAHO – 7 1/2'
- WHITEHORSE BUTTE, OREG. – 7 1/2'

CASTRO PIPELINE IS SITUATED IN MALHEUR COUNTY. THE POINT OF DIVERSION IS LOCATED IN THE NE1/4 SE1/4 OF SECTION 18, TOWNSHIP 32 SOUTH, RANGE 46 EAST OF THE WILLAMETTE BASE AND MERIDIAN AND LIES NORTH 71°21'40" EAST, A DISTANCE OF 5362.65 FEET FROM THE SOUTHWEST CORNER OR SAID SECTION 18. THIS POINT IS ALSO SOUTH 8°12'50" WEST, A DISTANCE OF 1197.51 FEET FROM THE EAST 1/4 CORNER OF SAID SECTION 18 AND NORTH 10°11'20" WEST, A DISTANCE OF 1479.89 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 18. THIS TIE WAS DESCRIBED AS 1491.02 FEET NORTH AND 5034.58 FEET EAST FROM THE SOUTHWEST CORNER OF SAID SECTION 18 IN THE PERMIT. THE ACTUAL POINT OF DIVERSION IS THE SAME.

THE PIPELINE AND SPUR LINES ARE SITUATED IN THE FOLLOWING QUARTERS;
TOWNSHIP 32 SOUTH, RANGE 46 EAST, WILLAMETTE BASE & MERIDIAN:
- SECTION 18: NE1/4SE1/4, SE1/4SE1/4, SE1/4 SW1/4, SW1/4SW1/4;
- SECTION 19: NW1/4NE1/4, NE1/4NW1/4;

TOWNSHIP 32 SOUTH, RANGE 45 EAST, WILLAMETTE BASE & MERIDIAN:
- SECTION 13: NE1/4SE1/4, NW1/4SE1/4, SW1/SE1/4, SE1/4SW1/4, SW1/4SW1/4;
- SECTION 14: SE1/4SE1/4, SW1/4SE1/4, SE1/4SW1/4, SW1/4SW1/4;
- SECTION 15: SE1/4SE1/4, SW1/4SE1/4
- SECTION 22: NE1/4NE1/4, SE1/4NE1/4, SE1/4NW1/4, NW1/4SE1/4, NE1/4SE1/4, SW1/4SE1/4;
- SECTION 23: NE1/4NW1/4, NW1/4NW1/4, NW1/4SW1/4;
- SECTION 25: SW1/4SW1/4;
- SECTION 26: SE1/4SE1/4, SW1/4SE1/4, SE1/4SW1/4, SW1/4SW1/4;
- SECTION 27: NW1/4NE1/4, SW1/4NE1/4, NW1/4SE1/4, SE1/4SE1/4, SW1/4SE1/4, SE1/4SW1/4, SW1/4SW1/4, NW1/4SW1/4;
- SECTION 28: NE1/4SE1/4, NW1/4SE1/4;
- sECTION 34: NW1/4NE1/4, NE1/4NE1/4, SE1/4NE1/4, NE1/4SE1/4;
- SECTION 35: NW1/4SW1/4, SE1/4SW1/4, SW1/4SW1/4;

TOWNSHIP 33 SOUTH, RANGE 45 EAST, WILLAMETTE MERIDIAN:
- SECTION 2: GOV'T LOT 2, GOVT LOT 3, GOV'T LOT 4, SW1/4NE1/4, NE1/4SE1/4, SE1/4SE1/4, NW1/4SE1/4;
- SECTION 3: SE2/4NE1/4, NE2/4SE1/4, SW1/4SE1/4, NW1/4SE1/4, SE1/4SW1/4;
- SECTION 4: SW1/4SE1/4, SE1/4SW1/4, SW1/4SW1/4, NW1/4SW1/4;
- SECTION 5: NE2/4SE1/4, NW1/4SE1/4;
- SECTION 9: NE1/4NE1/4, NW1/4SE1/4;
- SECTION 10: NE1/4NW1/4, NW1/4NW1/4;
- SECTION 11: NE1/4NE1/4, NE1/4SE1/4, SE1/4SE1/4;
- SECTION 12: SE1/4NE1/4, SW1/4NE1/4, NE1/4SE1/4, SE1/4NW1/4, SW1/4NW1/4, NW1/4NW1/4, NW1/4SW1/4;

TOWNSHIP 33 SOUTH, RANGE 46 EAST:
- SECTION 7: GOV'T LOT 4.

LINE STATIONING

MAIN LINE STA 0+00 TO 443+60 = 7.80 MILES
LINE #7 STA 0+00 (MAIN LINE STATION 172+87) TO 39+45.85 = 0.75 MI.
LINE #2 STA 0+00 (MAIN LINE STA 209+29) TO 19+61.93 = 0.37 MI.
LINE #6 STA 0+00 (MAIN LINE SAT 280+86) TO 48+68.16 = 0.92 MI
LINE #3 STA 0+00 (MAIN LINE STA 280+86) TO 81+71.74 = 1.55 MI.
LINE #5 STA 0+00 (MAIN LINE STA 346+03) TO 187+31.28 = 3.55 MI.
LINE #1 STA 0+00 (MAIN LINE STA 443+60) TO 54+70.72 = 1.04 MI.
LINE #4 STA 443+60 (MAIN LINE) TO STA 466+63.74 = 1.04 MI.

TROUGH LOCATIONS

TROUGH #1 NW1/4SE1/4, SEC 23, T.32S., R.45E. STA 19+01.93 LINE #2 (1500 GAL.)
TROUGH #2 SW1/4SE1/4, SEC 27, T.32S., R.45E. STA 280+86 MAIN LINE (3000 GAL.)
TROUGH #3 SE1/4SW1/4, SEC. 26, T.32S., R.45E. STA 51+82 LINE #3 (3000 GAL.)
TROUGH #4 SW1/4SW1/4, SEC. 25, T.32S., R.45E. STA 81+71.74 LINE #3 (3000 GAL.)
TROUGH #5 NE1/4NE1/4, SEC 34, T.32S., R.45E. STA 305+97 MAIN LINE (3000 GAL.)
TROUGH #6 SE1/4NE1/4, SEC 34, T.32S., R.45E. STA 324+12 MAIN LINE (3000 GAL.)
TROUGH #7 SW1/4NE1/4, SEC 2, T.33S., R.45E. STA 377+39 MAIN LINE (3000 GAL.)
TROUGH #8 NE1/4NE1/4 SEC 11, T.33S., R.45E. STA 4+18.86 MAIN LINE (3000 GAL.)
TROUGH #9 GOV'T LOT 4, SEC 7 T.33S., R.46E. STA 54+70.72 LINE #1 (3000 GAL.)
TROUGH #10 SE1/4SE1/4, SEC 11, T.33S., R.45E. STA 466+63.74 LINE #4 (3000 GAL.)
TROUGH #11 NE1/4NE1/4, SEC 9, T.33S, R.45E. STA 108+96 LINE #5 (3000 GAL.)
TROUGH #12 (2 TROUGHS) NW1/4SE1/4, SEC 5, T.33S., R.45E. STA 187+31.38 LINE #5 (3000 GAL. EA.)
TROUGH #13 NW1/4SE1/4, SEC 28, T32.S, R.45E. STA 48+68.16 LINE #6 (3000 GAL.)
TROUGH #14 SW1/4SE1/4, SEC 15, T.32S., R.45E. STA 19+61.93 LINE #2 (1500 GAL.)

SECTION CORNERS

LEGAL DESCRIPTION (FOUND CORNERS ARE STONES)				NAD 27 (CONUS)		U.S. STATE PLANE 1927 OREGON SOUTH (FEET)	
CORNER	SEC.	TSHP	RANGE	LATITUDE	LONGITUDE	NORTHING	EASTING
E 1/4	18	T32S	R46E	42°46'19.534"	117°06'32.644"	421290.023	2910202.592
NE COR	18	T32S	R46E	42°46'45.673"	117°06'31.776"	423936.536	2910160.131
SE COR	18	T32S	R46E	42°45'53.422"	117°06'32.863"	418648.245	2910293.286
SW COR	18	T32S	R46E	42°45'53.012"	117°07'44.578"	418390.880	2904950.123
SE COR	13	T32S	R45E	42°45'38.492"	117°07'44.569"	416922.195	2905009.957
SW COR	13	T32S	R45E	42°45'38.268"	117°08'55.332"	416687.775	2899736.462
S 1/4	14	T32S	R45E	42°45'38.153"	117°09'30.608"	416570.966	2897107.648
SE COR	15	T32S	R45E	42°45'38.064"	117°10'05.889"	416457.068	2894478.313
S 1/4	15	T32S	R45E	42°45'37.980"	117°10'41.298"	416343.716	2891839.345
SE COR	22	T32S	R45E	42°44'45.915"	117°10'05.815"	411182.488	2894693.803
S 1/4	22	T32S	R45E	42°44'45.801"	117°10'41.214"	411066.070	2892055.075
SE COR	27	T32S	R45E	42°43'53.799"	117°10'05.658"	405911.525	2894915.403
S 1/4	27	T32S	R45E	42°43'53.744"	117°10'41.120"	405800.777	2892271.149
SW COR	27	T32S	R45E	42°43'53.615"	117°11'16.534"	405683.050	2889630.769
SW COR	25	T32S	R45E	42°43'53.928"	117°08'55.113"	406134.576	2900175.435
S 1/4	26	T32S	R45E	42°43'53.870"	117°09'30.350"	406023.603	2897548.049
SW COR	33	T32S	R45E	42°43'01.382"	117°12'27.214"	400191.559	2884567.842
E 1/4	34	T32S	R45E	42°43'27.543"	117°10'05.488"	403256.132	2895033.805
W1/4	34	T32S	R45E	42°43'26.982"	117°11'16.442"	402989.312	2889744.204
S 1/4	34	T32S	R45E	42°43'01.507"	117°10'40.975"	400517.378	2892491.705
E 1/4	35	T32S	R45E	42°43'27.859"	117°08'55.095"	403497.743	2900282.450
S 1/4	35	T32S	R45E	42°43'01.703"	117°09'30.229"	400747.265	2897767.801
SW COR	35	T32S	R45E	42°43'01.637"	117°10'05.604"	400635.402	2895129.475
SE COR	1	T33S	R45E	42°42'09.394"	117°07'45.007"	395771.201	2905829.219
SW COR	1	T33S	R45E	42°42'09.398"	117°08'58.770"	395550.529	2900326.096
NW COR	2	T33S	R45E	42°43'01.614"	117°10'09.368"	400621.935	2894848.701
W 1/4	2	T33S	R45E	42°42'35.495"	117°10'09.244"	397980.336	2894963.238
SW COR	2	T33S	R45E	42°42'09.384"	117°10'09.171"	395339.467	2895073.773
S 1/4	2	T33S	R45E	42°42'09.333"	117°09'33.918"	395439.105	2897704.050
S 1/4	3	T33S	R45E	42°42'09.323"	117°10'44.763"	395227.706	2892418.616
SW COR	3	T33S	R45E	42°42'09.284"	117°11'20.127"	395119.246	2889780.367
S 1/4	4	T33S	R45E	42°42'09.149"	117°11'55.498"	395001.375	2887141.965
NW COR	4	T33S	R45E	42°43'01.364"	117°12'30.659"	400179.676	2884310.896
W 1/4	4	T33S	R45E	42°42'35.258"	117°12'30.629"	397539.095	2884417.021
SW COR	4	T33S	R45E	42°42'09.117"	117°12'30.609"	394894.902	2884522.525
SE COR	12	T33S	R45E	42°41'17.213"	117°07'45.530"	390491.550	2906002.804
W 1/4	12	T33S	R45E	42°41'43.306"	117°08'58.741"	392911.388	2900433.440
SW COR	12	T33S	R45E	42°41'17.174"	117°08'58.797"	390268.063	2900535.537
SW COR	7	T33S	R46E	42°41'29.079"	117°07'45.405"	391692.179	2905963.809

LEGEND

- TOWNSHIP LINE
- SECTION LINE
- 40 LINE
- MAIN PIPELINE
- SPUR PIPELINE
- ROAD
- TRAIL
- FENCE
- CHANNEL
- FOUND SECTION CORNER
- TROUGH
- PRIVATE PROPERTY
- + 4688 BM BENCHMARK (U.S.G.S. QUAD)
- RESERVOIR (NOT ON QUAD)
- RESERVOIR (ON QUAD)

Certified Water Right Examiner
Vernon R. Pritchard
May 17, 1988
STATE OF OREGON

RECEIVED
SEP 27 2000
WATER RESOURCES DEPT.
SALEM, OREGON

REV. NO.	DESCRIPTION	DATE	APPROVED
1			

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VALE DISTRICT OREGON

AS BUILT
CASTRO PIPELINE

DESIGNED
REVIEWED
APPROVED
CHIEF, BRANCH OF ENGINEERING OR DISTRICT ENGINEER

DRAWN: CG | SCALE: 1"=2000'
DATE: 09/08/00 | SHEET 2 OF 4
DRAWING NO. OR-03-9172.45-1041

ACAD14/SDSK8.0
CASTROPPL.DWG

COBU MAP # 0124-2