MAP FILE M171-16

RECORD OF SURVEY

LOCATED IN THE
NE 1/4 OF SECTION 15
TOWNSHIP 29 SOUTH, RANGE 9 WEST, W.M.
DOUGLAS COUNTY, OREGON

FILED
Date: 11-29-2016 By: JK
This survey consists of:
Map: M171-16
Narrative:
Corner Rpt:
DOUGLAS COUNTY SURVEYOR

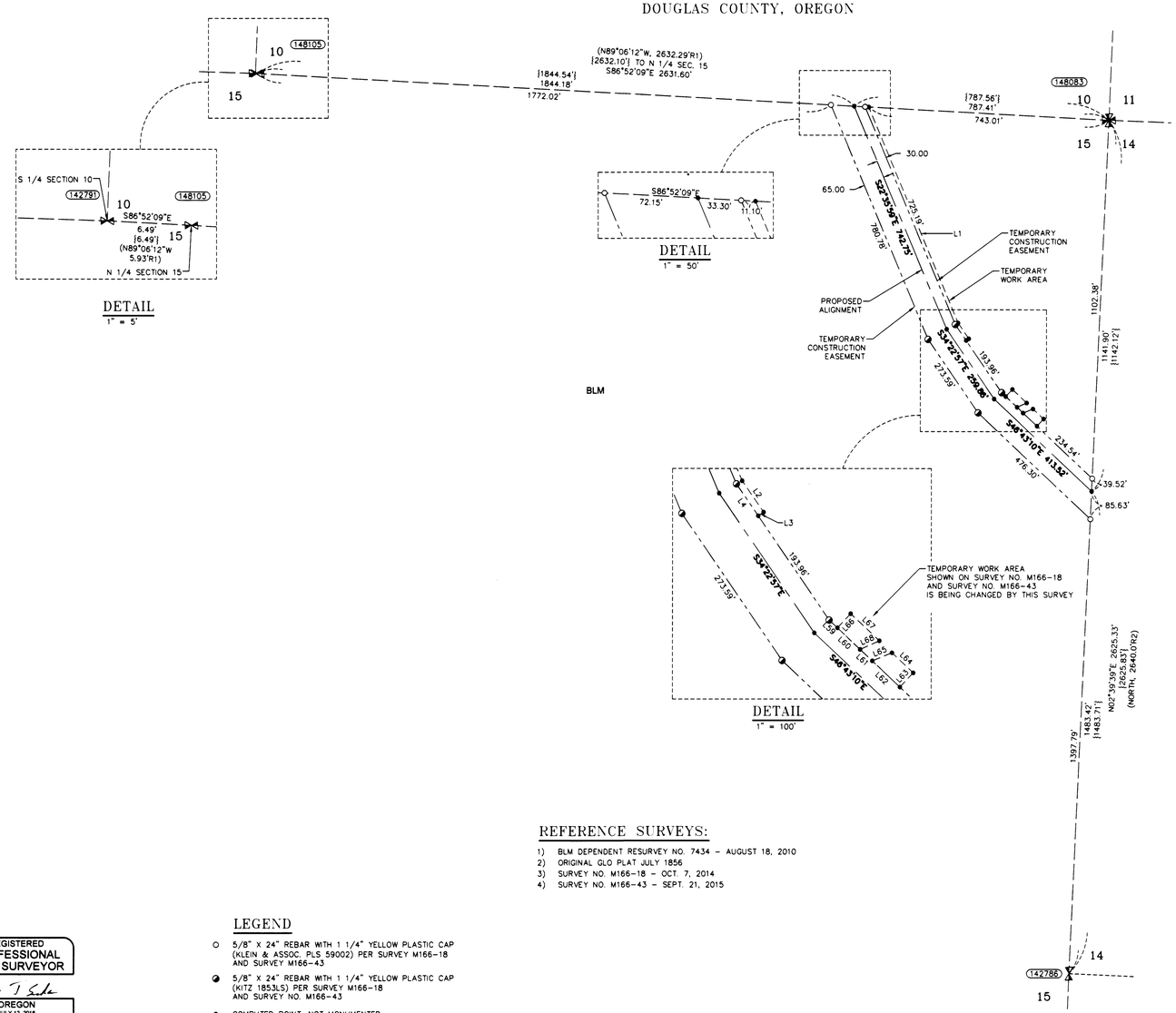
CORNER NOTES:

(142786)
1/4 CORNER COMMON TO SECTIONS 14/15
FOUND 2" BRASS CAP
STAMPED COUNTY SURVEYOR'S OFFICE 1974
BT REFERENCES:
1) 11-1/2" FIR WITH HEALED FACE AND ROSEBURG RESOURCES TAG DATED 9/04 N 2-1/2° E - 35.2' TO NAIL IN SIDE CENTER
2) 19.5" FIR WITH ROSEBURG RESOURCE TAG DATED 9/04 S 56° E - 33.7' TO NAIL IN SIDE CENTER
3) 30" DIA. 22 FT. TALL SNAG WITH HEALED FACE AND BLM TAG DATED 9/59 S 3-1/2° E - 30.6'
4) 11.5" FIR WITH HEALED FACE AND ROSEBURG RESOURCES TAG DATED 9/04 S 80-1/2° W - 48.2' TO NAIL IN SIDE CENTER
5) 28" FIR WITH HEALED FACE AND ROSEBURG RESOURCES TAG DATED 9/04 N 63-1/2° W - 44.2' TO NAIL IN SIDE CENTER

(142791)
SOUTH 1/4 CORNER SECTION 10
FOUND 2-1/2" BRASS CAP
STAMPED COUNTY SURVEYOR'S OFFICE 1959
BT REFERENCES:
1) 13" WHITE FIR WITH HEALED FACE WITH TAG DATED 01/01 N 55° E - 9.1' TO NAIL IN SIDE CENTER

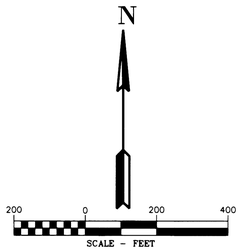
(148083)
NORTHEAST CORNER SECTION 15
FOUND 2-1/2" BRASS CAP
STAMPED COUNTY SURVEYOR 1959
STAMPED BLM 1966
BT REFERENCES:
1) 47" FIR WITH HEALED FACE AND ROSEBURG RESOURCES TAG DATED 09-04 N 08° E - 33.8' TO NAIL IN SIDE CENTER
2) 23-1/2" FIR WITH HEALED FACE AND ROSEBURG RESOURCES TAG DATED 9/04 N 50° E - 11.8' TO NAIL IN SIDE CENTER
3) 37" FIR WITH HEALED FACE AND ROSEBURG RESOURCES TAG DATED 9/04 S 44-1/2° E - 21.1' TO NAIL IN SIDE CENTER
4) 16" FIR WITH HEALED FACE AND ROSEBURG RESOURCES TAG DATED 09/04 S 36-1/2° W - 3.5' TO NAIL IN SIDE CENTER
5) 12" FIR WITH HEALED FACE AND ROSEBURG RESOURCES TAG DATED 09-04 N 55° W - 14.8' TO NAIL IN SIDE CENTER

(148105)
NORTH 1/4 CORNER SECTION 15
FOUND 3-1/4" ALUMINUM CAP
STAMPED BLM 2005
BT REFERENCES:
1) 13" HEMLOCK WITH VISIBLE SCRIBE AND BLM TAG DATED 09/05 S 58-1/4° E - 5.0' TO NAIL IN SIDE CENTER
2) 7" HEMLOCK WITH VISIBLE SCRIBE AND BLM TAG DATED 09/05 S 27 1/2° W - 6.7' TO NAIL IN SIDE CENTER



AREA SECTION 15

TEMPORARY CONSTRUCTION EASEMENT	3.15 ACRES
TEMPORARY WORK AREA	0.25 ACRES



LINE TABLE

Line #	Direction	Length
L1	S22°35'59"E	719.34'
L2	S34°22'57"E	58.53'
L3	S55°37'03"W	10.00'
L4	S34°22'57"E	59.56'
~~L5~~	~~S46°43'10"E~~	~~49.99'~~
~~L6~~	~~S46°43'10"E~~	~~25.83'~~
~~L7~~	~~S46°43'10"E~~	~~50.03'~~
~~L8~~	~~S43°16'50"W~~	~~30.00'~~
~~L9~~	~~S46°43'10"E~~	~~50.03'~~
~~L10~~	~~N43°16'50"E~~	~~30.00'~~
~~L11~~	~~S43°16'50"W~~	~~30.00'~~
~~L12~~	~~S46°43'10"E~~	~~49.99'~~
~~L13~~	~~N43°16'50"E~~	~~30.00'~~

NOTE:
LINES 1-13 REFERENCED IN THIS LINE TABLE ARE PER COUNTY SURVEY NO. M166-18 AND SURVEY NO. M166-43

LINES 5-13 ARE BEING CHANGED BY IN THIS SURVEY.

LINE TABLE

Line #	Direction	Length
L59	S46°43'10"E	17.45'
L60	S46°43'10"E	48.14'
L61	S46°43'10"E	25.77'
L62	S46°43'10"E	58.65'
L63	N43°13'29"E	30.00'
L64	N46°43'10"W	44.96'
L65	S67°45'58"W	32.96'
L66	S43°13'29"W	30.00'
L67	N46°43'10"W	60.75'
L68	N66°01'36"E	32.53'

NOTE:
LINES 59-68 REFERENCED IN THIS LINE TABLE ARE ADDED PER THIS SURVEY

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO MODIFY A PORTION OF THE TEMPORARY WORK AREA LOCATED IN A PORTION OF SECTION 15, TOWNSHIP 29 SOUTH, RANGE 9 WEST.

THE TEMPORARY WORK AREA BEING MODIFIED BY THIS SURVEY IS SHOWN IN SURVEY NO. M166-43 ON PAGE 2 OF 3.

THE CORNER NOTES ARE PER SURVEY NO. M166-43.

THE ONLY FIELD WORK WAS TO RE-FLAG THE MODIFIED TEMPORARY WORK AREAS A FROM EXISTING PROJECT CONTROL POINTS.

ALL OTHER ITEMS PER SURVEY NO. M166-43 HAS REMAINED THE UNCHANGED.

NO NEW MONUMENTS WERE SET FOR THIS SURVEY.

SURVEYOR'S CERTIFICATE

I, LEONIDES J. SANDOVAL BEING DULY SWORN AS A PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON DO HEREBY CERTIFY THAT THIS MAP CORRECTLY REPRESENTS A SURVEY CONDUCTED UNDER MY DIRECT SUPERVISION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING LAW, AS ESTABLISHED BY ORS CHAPTER 209.

NO MONUMENTS WERE SET IN THIS SURVEY.

Leonides J Sandoval

LEONIDES J. SANDOVAL PLS. 58608
CFEDS 1504

REGISTERED
PROFESSIONAL
LAND SURVEYOR
OREGON
JULY 12, 2016
LEONIDES J. SANDOVAL
58608
Expires 6-30-2018

CERTIFIED FEDERAL SURVEYOR
1504
Expires June 3, 2017

T.29S., R.09W

		15			

SURVEY PERFORMED FOR:
WILLIAMS PACIFIC CONNECTOR
DATE: OCTOBER 14, 2016
PROJECT: 14-02-05 DRAFT: GD, LS
FILE: RS-29S-R09W-A2.DWG

LEGEND

- ○ 5/8" X 24" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KLEIN & ASSOC. PLS 59002) PER SURVEY M166-18 AND SURVEY M166-43
- ◐ 5/8" X 24" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KITZ 1853LS) PER SURVEY M166-18 AND SURVEY NO. M166-43
- ● COMPUTED POINT, NOT MONUMENTED
- QUARTER CORNER PER SURVEY NO. M166-43 SEE CORNER NOTES
- SECTION CORNER PER SURVEY NO. M166-43 SEE CORNER NOTES
- (100000) POINT NUMBER
- {XXX.XX'} GROUND DISTANCE
- (XXX.XX') RECORD DISTANCE PER REFERENCED SURVEY
- R1 REFERENCED SURVEY
- PROPOSED ALIGNMENT
- TEMPORARY CONSTRUCTION EASEMENT
- TEMPORARY WORK AREA

REFERENCE SURVEYS:

1) BLM DEPENDENT RESURVEY NO. 7434 - AUGUST 18, 2010
2) ORIGINAL GLO PLAT JULY 1856
3) SURVEY NO. M166-18 - OCT. 7, 2014
4) SURVEY NO. M166-43 - SEPT. 21, 2015

BASIS OF BEARINGS NOTE:

THE PROJECT DATUM IS BASED ON PREVIOUSLY ESTABLISHED PROJECT CONTROL.

THE DATUM IS VERY CLOSE BUT NOT EXACTLY OREGON SOUTH ZONE 3602

THE PROJECT BEARINGS MATCH THE OREGON SOUTH ZONE 3602 BEARINGS IN US SURVEY FEET.

NOTE:

DISTANCES ARE IN US SURVEY FOOT.

MEAN MERIDIAN CONVERGENCE ANGLE = -2°12'40"

SCALE FACTOR NOTE

THE DISTANCES SHOWN ON THIS SURVEY ARE GRID DISTANCES UNLESS NOTED.
THE COMBINED SCALE FACTOR = 0.999804944
TO CONVERT FROM GRID TO GROUND MULTIPLY THE DISTANCE BY 1.000195094.

EXAMPLE: 300.00' GRID DISTANCE
300.00' x 1.000195094 = 300.06' GROUND DISTANCE.

Klein & Associates, Inc.
ENGINEERING • SURVEYING • PLANNING
1411 13th Street • Hood River, OR 97031
TEL: 541-386-3322 • FAX: 541-386-2515

PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
SECTION 15
RECORD OF SURVEY
TOWNSHIP 29 SOUTH, RANGE 9 WEST, W.M.
DOUGLAS COUNTY, OREGON

Pacific Connector GAS PIPELINE

DRAWN BY: LJS	DATE: 10-17-2016	ISSUED FOR BID:	SCALE: 1" = 200'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	SHEET 1 OF 1

MAP FILE M171-16