

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO MONUMENT THE PACIFIC CONNECTOR GAS PIPELINE TEMPORARY CONSTRUCTION EASEMENT WITHIN THE FEDERAL INTEREST LANDS, DOUGLAS COUNTY SURVEY M166-42 ALSO MONUMENTED THE AFOREMENTIONED CONSTRUCTION EASEMENT, HOWEVER THIS SURVEY REFLECTS THE ADJUSTED PIPELINE ALIGNMENT. A PORTION OF THE REROUTE LOCATED IN SECTION 9 WAS NOT COMPLETED AND THE EXISTING MONUMENTS AND STAKING IN THE ABANDONED ROUTE WILL BE REMOVED AT A LATER DATE WHEN THE REROUTE THRU SECTION 9 IS COMPLETED.

THIS SURVEY IS LOCATED IN PORTIONS OF 2, 3, 9 AND 10, TOWNSHIP 29 SOUTH, RANGE 5 WEST OF THE WILLAMETTE MERIDIAN.

THE PUBLIC LAND SURVEY SYSTEM MONUMENTS WERE FOUND AND TIED BY LEONIDES J. SANDOVAL. THE TEMPORARY CONSTRUCTION EASEMENT AS WELL AS THE INTERSECTION OF THE FEDERAL LANDS AND THE TEMPORARY CONSTRUCTION EASEMENT WAS SURVEYED AND MONUMENTED UNDER THE DIRECT SUPERVISION OF MICHAEL W. ERICKSON.

REFERENCE SURVEYS:

- 1) BLM DEPENDENT RESURVEY APPROVED JANUARY 9, 1992
2) RECORD OF SURVEY BY BTS SURVEYING SURVEY M 157-37 DATED 2011
3) RECORD OF SURVEY RM 2-47 BY H.N. HOOVER DATED APRIL, 1973
4) RECORD OF SURVEY BY MARK SMALLEY SURVEY M 119-2 DATED 1993
5) RECORD OF SURVEY BY BTS SURVEYING SURVEY M157-36 DATED DECEMBER, 30, 2010
6) RECORD OF SURVEY BY GEO. J. WENDEROTH SURVEY M5-38 DATED 1957

SCALE FACTOR NOTE

THE DISTANCES SHOWN ON THIS SURVEY ARE GRID DISTANCES UNLESS NOTED. THE COMBINED SCALE FACTOR = 0.999800382 TO CONVERT FROM GRID TO GROUND MULTIPLY THE DISTANCE BY 1.000199658.

EXAMPLE: 300.00' GRID DISTANCE
300.00' x 1.000199658 = 300.06' GROUND DISTANCE.

SHEET INDEX:

- SHEET 1 = COVER PAGE TOWNSHIP OVERVIEW
SHEET 2 = SECTION 2
SHEET 3 = SECTION 3
SHEET 4 = SECTION 3

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.

NOTE:

DISTANCES ARE IN US SURVEY FEET. MEAN MERIDIAN CONVERGENCE ANGLE = -1°53'20"

CORNER NOTES:

CORNERS VISITED THIS SURVEY

(141815) NORTHWEST CORNER SECTION 10, T29S-R5W FOUND 2" ALUMINUM CAP "LS 2354" DATED 1993

- BT REFERENCES:
1) FOUND 46" DOUBLE FIR WITH ROSEBURG RESOURCES TAG, VISIBLE BLAZE N 64° W - 15.0'
2) FOUND 20" CEDAR WITH ROSEBURG RESOURCES TAG, BLAZED AND SCRIBED N 68° E, 22.8'
3) FOUND 11.5" FIR WITH ROSEBURG RESOURCES TAG S 58° E, 12.4'
4) FOUND 40.5" FIR WITH ROSEBURG RESOURCES TAG, BLAZED N 2° W, 43.8'

(143858) WEST 1/16 CORNER SECTION 35, T28S-R5W AND SECTION 2, T29S-R5W FOUND 3-1/4" BLM BRASS CAP DATED 1988

- BT REFERENCES:
1) FOUND 25" FIR WITH HEALED FACE N 34° E - 18.15'
2) FOUND 8" FIR WITH HEALED FACE S 30° E - 15.51'

(1829703005) NORTH 1/4 CORNER SECTION 10, T29S-R5W FOUND 2-1/2" COUNTY SURVEYOR BRASS CAP DATED 1973

- BT REFERENCES:
1) SET 9.5" PINE SCRIBED "BT" N 32° E - 7.8' TO NAIL SIDE CENTER
2) SET 11.5" FIR SCRIBED "BT" N 30° E, 55.5' TO NAIL SIDE CENTER

(1829903005) WEST 1/16 CORNER SECTION 3/10, T29S-R5W FOUND 3/4" IRON PIPE

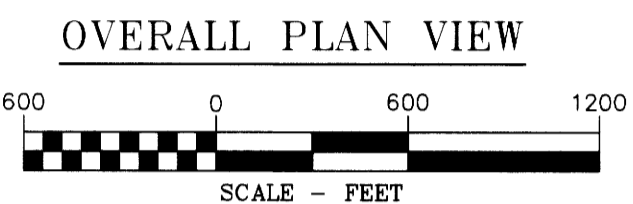
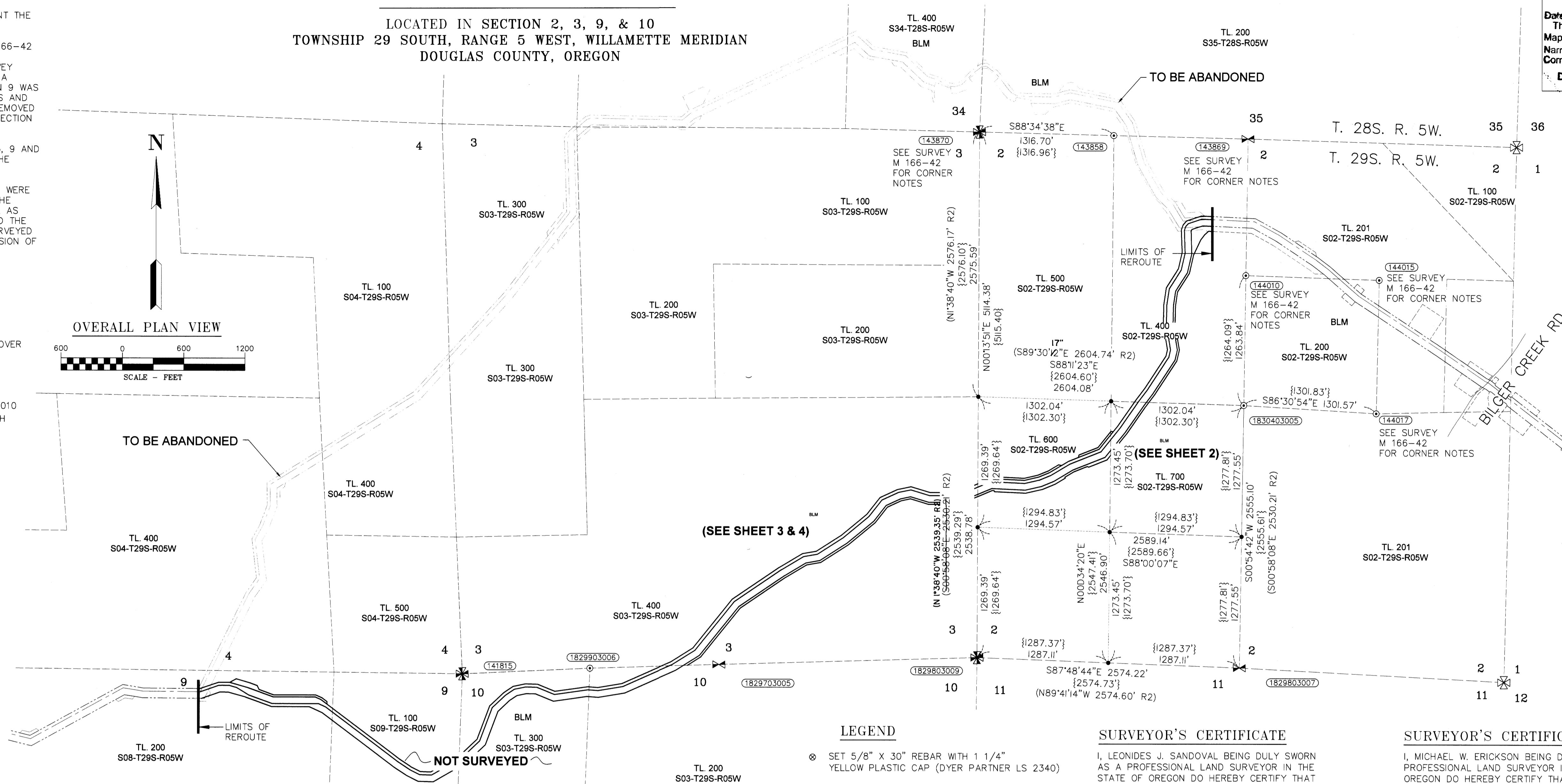
- BT REFERENCES:
1) SET 13" FIR SCRIBED "BT" N 54° E, 9.45' TO NAIL SIDE CENTER
2) SET 9" FIR SCRIBED "BT" S 42° W, 14.2' TO NAIL SIDE CENTER

(1829703007) CENTER-WEST 1/16 CORNER SECTION 10, T29S-R5W FOUND 5/8" IRON ROD

- BT REFERENCES:
1) SET 9" MAPLE SCRIBED "BT" N 52° E - 9.8' TO NAIL SIDE CENTER

RECORD OF SURVEY

LOCATED IN SECTION 2, 3, 9, & 10 TOWNSHIP 29 SOUTH, RANGE 5 WEST, WILLAMETTE MERIDIAN DOUGLAS COUNTY, OREGON



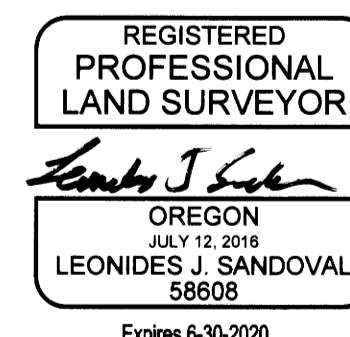
LEGEND

- SET 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (DYER PARTNER LS 2340)
FOUND MONUMENT AS NOTED
COMPUTED POINT, NOT MONUMENTED
CORNER NOT SEARCHED
FOUND QUARTER CORNER SEE CORNER NOTES
FOUND SECTION CORNER SEE CORNER NOTES
COMPUTED QUARTER CORNER
COMPUTED SECTION CORNER
POINT NUMBER
GROUND DISTANCE
RECORD DISTANCE PER REFERENCED SURVEY REFERENCED SURVEY
PROPOSED ALIGNMENT
TEMPORARY CONSTRUCTION EASEMENT
TEMPORARY WORK AREA

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.

Leonides J. Sandoval
LEONIDES J. SANDOVAL PLS. 58608

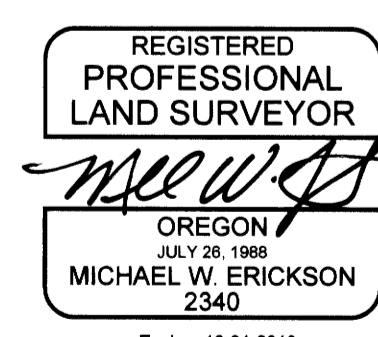


SURVEYOR'S CERTIFICATE

I, MICHAEL W. ERICKSON 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, AND HAVE SET THE PROPER MONUMENTS AS REFERENCED IN THE LEGEND BY MY REGISTRATION NUMBER AND SEAL.

FURTHERMORE, I APPROVE THE LOCATION OF THE MONUMENTS AS DEPICTED ON THIS SURVEY DRAWING TO BE IN THEIR PROPER LOCATION.

Michael W. Erickson
MICHAEL W. ERICKSON PLS. 2340



WILLAMETTE MERIDIAN DOUGLAS COUNTY, OREGON

Grid table showing township and range coordinates: T.29S., R.5W. with cells for sections 3, 2, 9, 10.

SURVEY PERFORMED FOR: ENSITE USA
DATE OF MONUMENTATION: JULY, 2019
PROJECT: 18-10-10 DRAFT: GD, LS, RA
FILE: 181010-RS-28S-05W_RA.DWG

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1330 Teakwood Avenue / Coos Bay, Oregon 97420
(541) 269-0732 / WWW.DYERPART.COM

PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
RECORD OF SURVEY
SECTIONS 2, 3, 9 & 10
TOWNSHIP 29 SOUTH, RANGE 5 WEST, W.M.
DOUGLAS COUNTY, OREGON



Table with columns: DRAWN BY, CHECKED BY, APPROVED BY, DATE, ISSUED FOR CONSTRUCTION, DRAWING NUMBER, SCALE, SHEET OF.

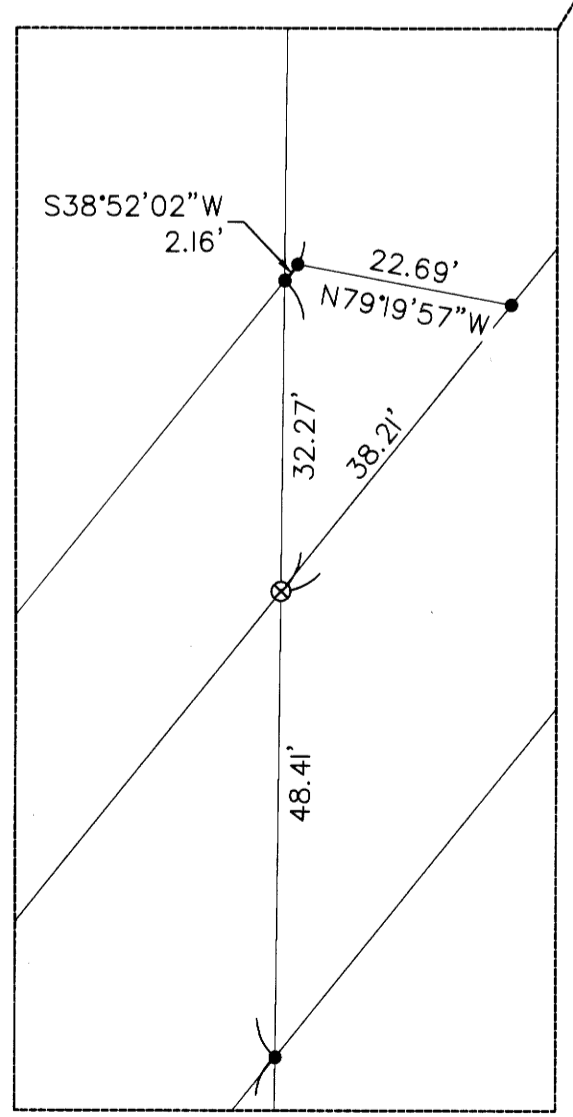
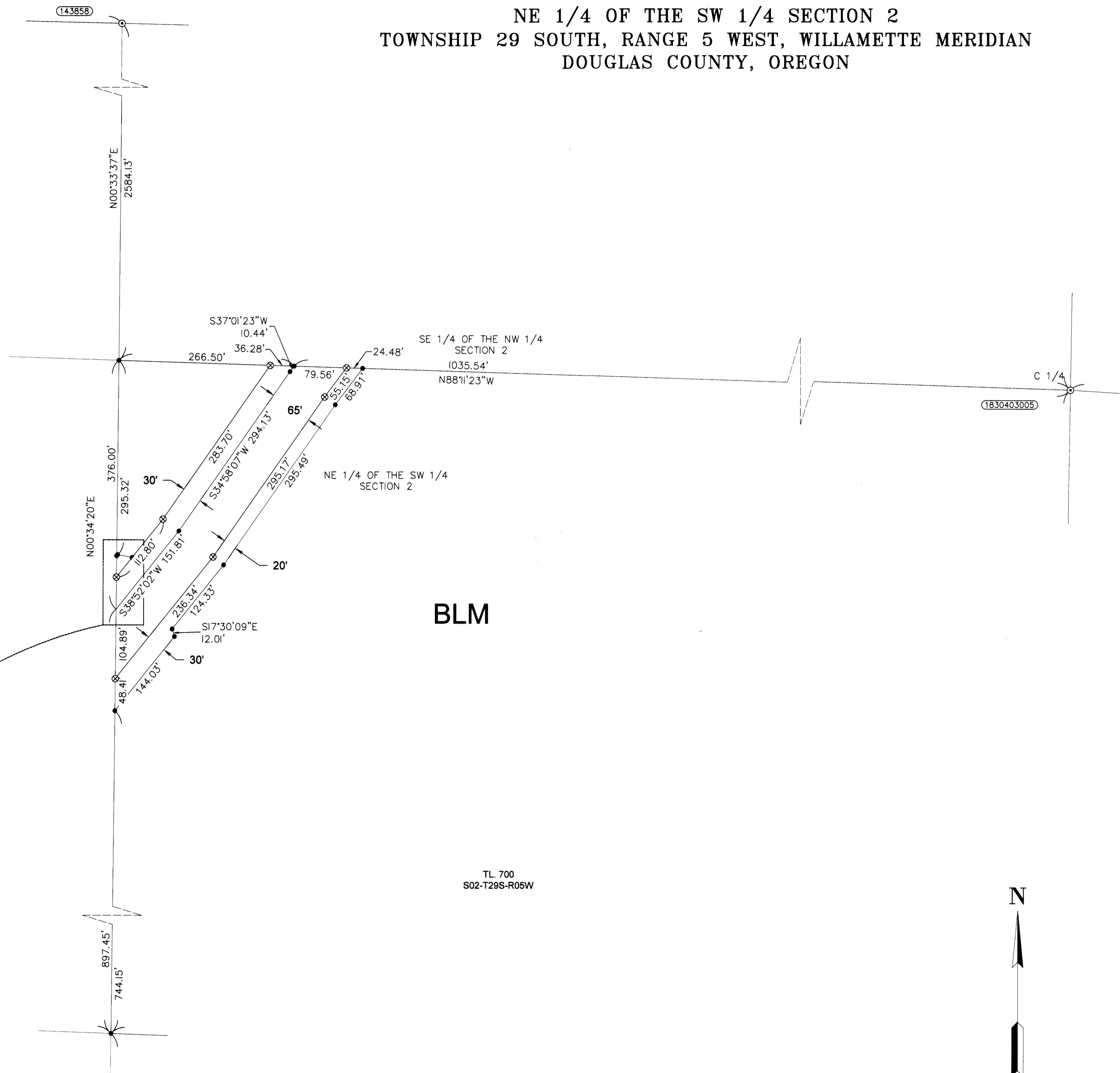
RECORD OF SURVEY

LOCATED IN THE
NE 1/4 OF THE SW 1/4 SECTION 2
TOWNSHIP 29 SOUTH, RANGE 5 WEST, WILLAMETTE MERIDIAN
DOUGLAS COUNTY, OREGON

FILED
Date: 12-3-19 By: J
This survey consists of:
Map: M171-73 A-D
Narrative:
Corner Rpt:
DOUGLAS COUNTY
SURVEYOR

LEGEND

- ⊗ SET 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (DYER PARTNER LS 2340)
- ⊙ FOUND MONUMENT AS NOTED (SEE CORNER NOTES)
- COMPUTED POINT, NOT MONUMENTED
- △ CORNER NOT SEARCHED
- ⊗ FOUND QUARTER CORNER SEE CORNER NOTES
- ⊗ FOUND SECTION CORNER SEE CORNER NOTES
- ⊗ COMPUTED QUARTER CORNER
- ⊗ COMPUTED SECTION CORNER
- ⑩ POINT NUMBER
- {XXX.XX'} GROUND DISTANCE
- (XXX.XX') RECORD DISTANCE PER REFERENCED SURVEY
- R1 REFERENCED SURVEY
- PROPOSED ALIGNMENT
- TEMPORARY CONSTRUCTION EASEMENT
- TEMPORARY WORK AREA



DETAIL
1" = 20'

CORNER NOTES:

CORNER VISITED DURING M166-42
(143858)
WEST 1/16 CORNER SECTION 35, T29S-R5W AND SECTION 2, T29S-R5W
FOUND 3-1/4" BLM BRASS CAP
DATED 1988
BT REFERENCES:
1) FOUND 25" FIR WITH HEALED FACE
N 34° E - 18.15'
2) FOUND 8" FIR WITH HEALED FACE
S 30° E - 15.51'

CORNER VISITED THIS SURVEY
(1830403005)
CENTER 1/4 CORNER SECTION 2, T29S-R5W
FOUND 2-1/2" BRASS CAP "PLS 2391"
DATED 1994
BT REFERENCES:
1) FOUND 48" FIR
W/ BLM TAG
N 29° E - 53.2' TO FACE
2) FOUND 10" OAK
OPEN FACED BLAZE "C1/2 S2"
S 54° W, 167'
3) FOUND 12" MAPLE
WITH HEALED BLAZE
N 72° E, 24.3'
4) FOUND 27" FIR
WITH HEALED BLAZE
N 11° W, 49.0'

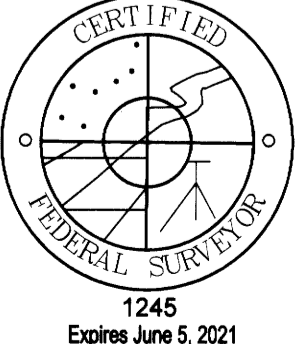
REFERENCE SURVEYS:

- 1) BLM DEPENDENT RESURVEY APPROVED JANUARY 9, 1992
- 2) RECORD OF SURVEY BY BTS SURVEYING SURVEY M 157-37 DATED 2011

AREAS NE 1/4 SW 1/4 SECTION 2 T.29S., R.5W.

TEMPORARY CONSTRUCTION EASEMENT	1.07 ACRES
TEMPORARY WORK AREA	.31 ACRES

REGISTERED PROFESSIONAL LAND SURVEYOR
Leonides J. Sandoval
OREGON
JULY 12, 2016
LEONIDES J. SANDOVAL
58608
Expires 6-30-2020



REGISTERED PROFESSIONAL LAND SURVEYOR
Michael W. Erickson
OREGON
JULY 26, 1988
MICHAEL W. ERICKSON
2340
Expires 12-31-2019



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PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
RECORD OF SURVEY
SECTION 2
TOWNSHIP 29 SOUTH, RANGE 5 WEST, W.M.
DOUGLAS COUNTY, OREGON

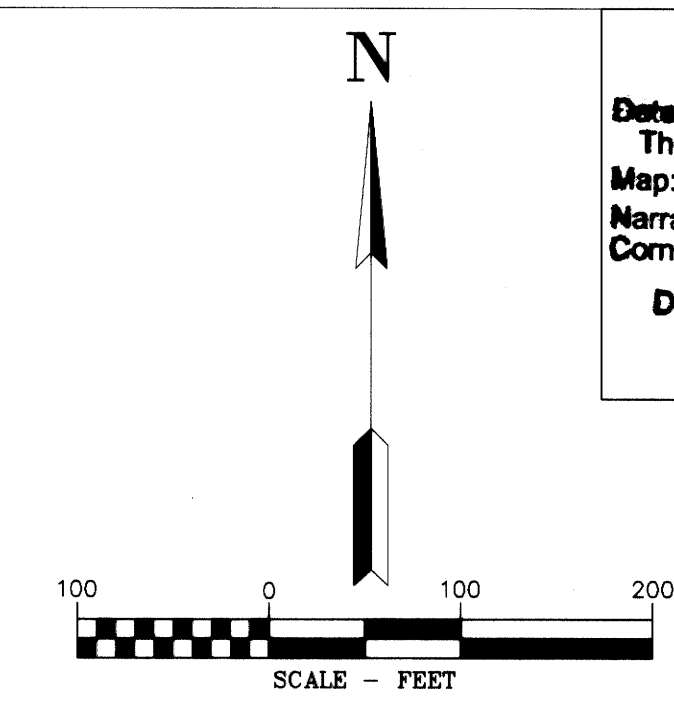


DRAWN BY: RAA	DATE: SEPT. 2019	ISSUED FOR BID:	SCALE: 1" = 100'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	SHEET 2 OF 4

RECORD OF SURVEY

LOCATED IN THE
SE 1/4 OF SECTION 3
TOWNSHIP 29 SOUTH, RANGE 5 WEST, WILLAMETTE MERIDIAN
DOUGLAS COUNTY, OREGON

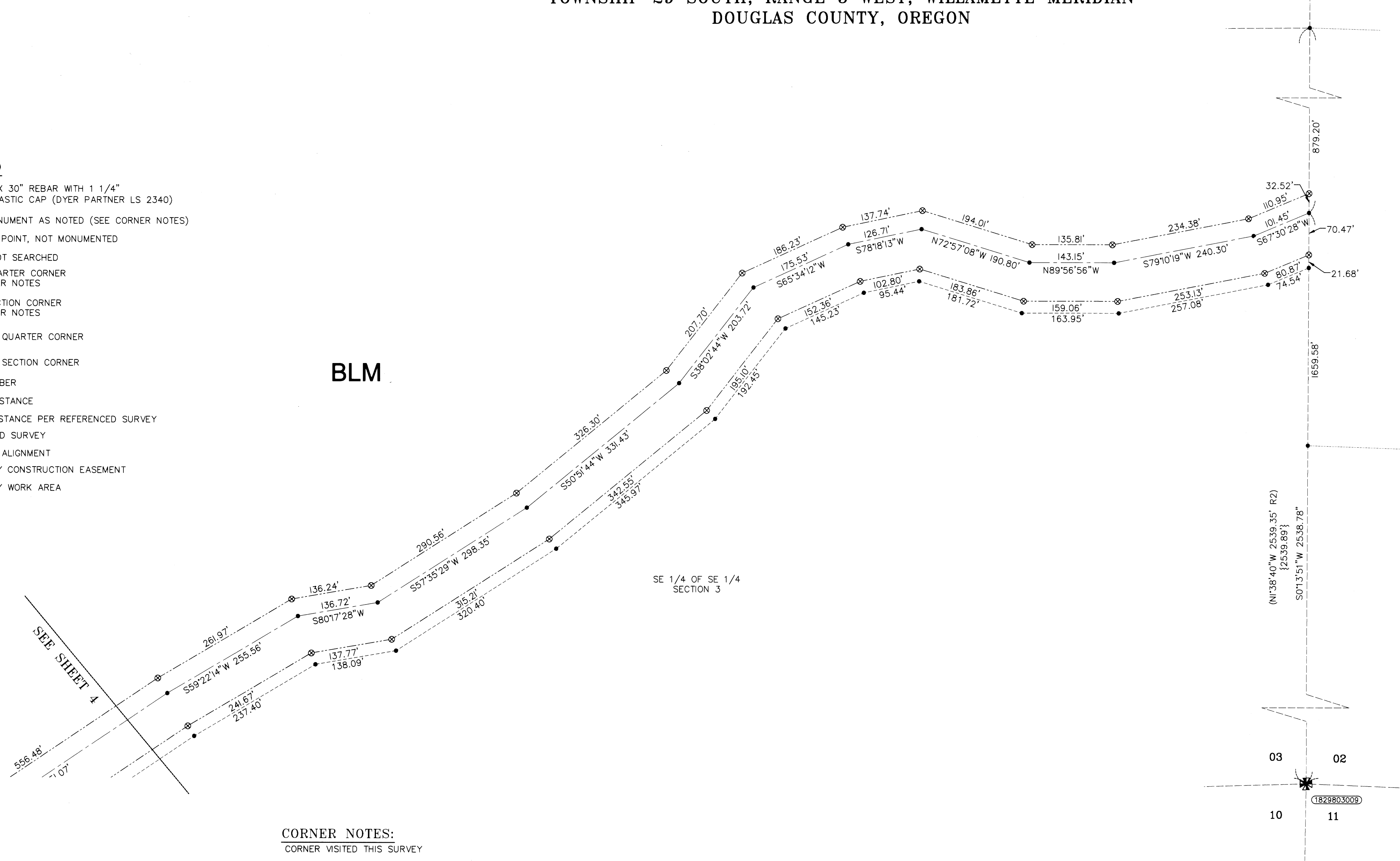
FILED
Date: 12-3-19 By: B
This survey consists of:
Map: M171-73 A-D
Narrative:
Corner Rpt.:
DOUGLAS COUNTY
SURVEYOR



LEGEND

- ⊗ SET 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (DYER PARTNER LS 2340)
- ⊙ FOUND MONUMENT AS NOTED (SEE CORNER NOTES)
- COMPUTED POINT, NOT MONUMENTED
- △ CORNER NOT SEARCHED
- ⊗ FOUND QUARTER CORNER SEE CORNER NOTES
- ✱ FOUND SECTION CORNER SEE CORNER NOTES
- ⊗ COMPUTED QUARTER CORNER
- ✱ COMPUTED SECTION CORNER
- (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

BLM



SE 1/4 OF SE 1/4 SECTION 3

CORNER NOTES:

CORNER VISITED THIS SURVEY

(1829803009)

- SOUTHEAST CORNER SECTION 3, T29S-R5W
FOUND 2-1/2" COUNTY SURVEYOR BRASS CAP
DATED 1962
- BT REFERENCES:
- 1) FOUND 29" PINE WITH VISIBLE SCRIBING N 32° W - 28.5' TO FACE
 - 2) FOUND 30" PINE WITH HEALED BLAZE N 32° E, 37.5'
 - 3) FOUND 37" FIR WITH HEALED FACE S 68° W, 63.3'
 - 4) FOUND 16.5" OAK WITH HEALED FACE S 25° E, 21.8'

PLSS RECORD DATA IS AS FOLLOWS
A W. OAK, 8" DIA., BEARS S.4°W., 475 LKS. (313.2')
A W. OAK, 4" DIA., BEARS S.20°E., 33 LKS. (21.8')
A B. OAK, 12" DIA., BEARS N.30°E., 223 LKS. (147.1')
A B. OAK, 10" DIA., BEARS N.87°W., 360 LKS. (237.4')

AREAS SECTION 3 T.29S., R.5W.

TEMPORARY CONSTRUCTION EASEMENT	7.89 ACRES
TEMPORARY WORK AREA	1.60 ACRES

REFERENCE SURVEYS:

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- 2) RECORD OF SURVEY BY BTS SURVEYING SURVEY M 157-37 DATED 2011



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PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
RECORD OF SURVEY
SECTION 3
TOWNSHIP 29 SOUTH, RANGE 5 WEST, W.M.
DOUGLAS COUNTY, OREGON

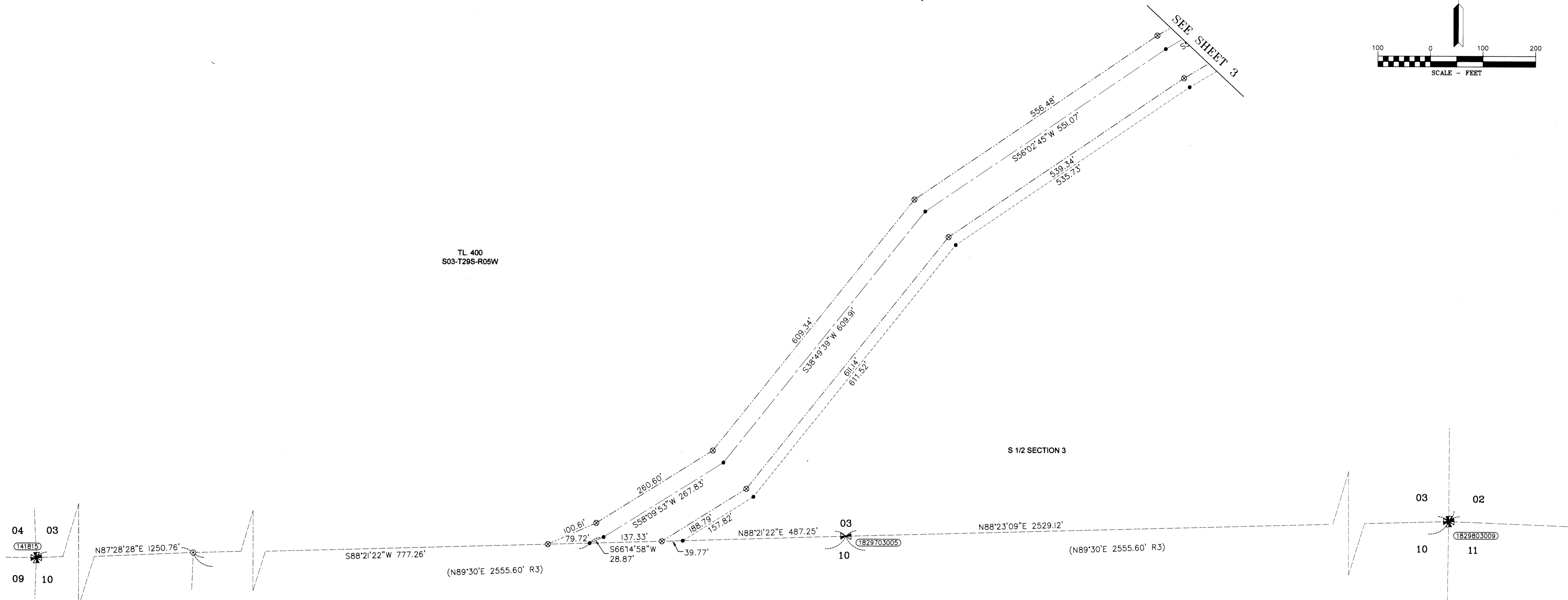
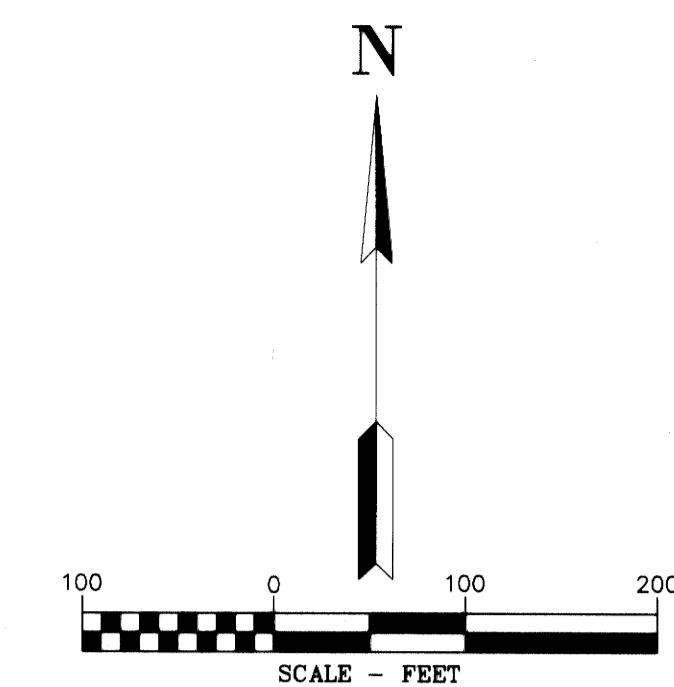
Pacific Connector
GAS PIPELINE

DRAWN BY: RAA	DATE: SEPT., 2019	ISSUED FOR BID:	SCALE: 1" = 100'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	SHEET 3 OF 4

RECORD OF SURVEY

LOCATED IN THE
SE 1/4 AND THE SW 1/4 OF SECTION 3
TOWNSHIP 29 SOUTH, RANGE 5 WEST, WILLAMETTE MERIDIAN
DOUGLAS COUNTY, OREGON

FILED
Date: 12-2-19 By: [Signature]
This survey consists of:
Map: M171-73 A-D
Narrative:
Corner Rpt:
DOUGLAS COUNTY SURVEYOR



CORNER NOTES:
CORNERS VISITED THIS SURVEY

REFERENCE SURVEYS:

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- 2) RECORD OF SURVEY BY BTS SURVEYING SURVEY M 157-37 DATED 2011
- 3) RECORD OF SURVEY BY GEO. J. WENDEROTH SURVEY M5-38 DATED 1957

AREAS SECTION 3 T.29S., R.5W.

TEMPORARY CONSTRUCTION EASEMENT	7.89 ACRES
TEMPORARY WORK AREA	1.60 ACRES

LEGEND

- ⊗ SET 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (DYER PARTNER LS 2340)
- ⊙ FOUND MONUMENT AS NOTED (SEE CORNER NOTES)
- COMPUTED POINT, NOT MONUMENTED
- △ CORNER NOT SEARCHED
- ⚡ FOUND QUARTER CORNER SEE CORNER NOTES
- ⊗ FOUND SECTION CORNER SEE CORNER NOTES
- ⊗ COMPUTED QUARTER CORNER
- ⊗ COMPUTED SECTION CORNER
- ⑩ POINT NUMBER
- {XXX.XX'} GROUND DISTANCE
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- TEMPORARY WORK AREA

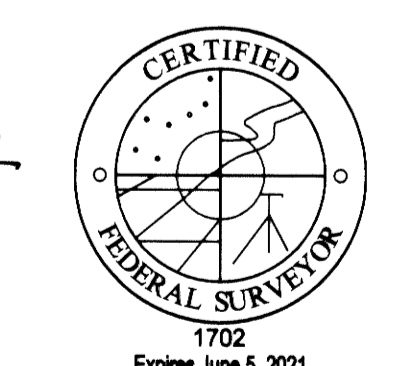
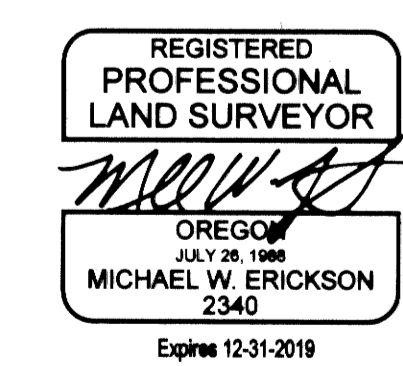
1829803009
SOUTHEAST CORNER SECTION 3, T29S-R5W
FOUND 2-1/2" COUNTY SURVEYOR BRASS CAP
DATED 1962
BT REFERENCES:
1) FOUND 29" PINE WITH VISIBLE SCRIBING N 32° W - 28.5' TO FACE
2) FOUND 30" PINE WITH HEALED BLAZE N 32° E, 37.5'
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A B. OAK, 10" DIA., BEARS N.87 1/2°W., 360 LKS. (237.4')

141815
SOUTHWEST CORNER SECTION 3, T29S-R5W
FOUND 2" ALUMINUM CAP "LS 2354"
DATED 1993
BT REFERENCES:
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1829903006
WEST 1/16 CORNER SECTION 3/10, T29S-R5W
FOUND 3/4" IRON PIPE
BT REFERENCES:
1) SET 13" FIR SCRIBED "BT" N 54° E, 9.45' TO NAIL SIDE CENTER
2) SET 9" FIR SCRIBED "BT" S 42° W, 14.2' TO NAIL SIDE CENTER

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SOUTH 1/4 CORNER SECTION 3, T29S-R5W
FOUND 2-1/2" COUNTY SURVEYOR BRASS CAP
DATED 1973
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1) SET 9.5" PINE SCRIBED "BT" N 32° E - 7.8' TO NAIL SIDE CENTER
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PACIFIC CONNECTOR GAS PIPELINE PROJECT
PACIFIC CONNECTOR GAS PIPELINE, LP
RECORD OF SURVEY
SECTION 3
TOWNSHIP 29 SOUTH, RANGE 5 WEST, W.M.
DOUGLAS COUNTY, OREGON

DRAWN BY: RAA	DATE: SEPT., 2019	ISSUED FOR BID:	SCALE: 1" = 100'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	SHEET 4 OF 4