

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO MONUMENT THE PACIFIC CONNECTOR GAS PIPELINE TEMPORARY CONSTRUCTION EASEMENT WITHIN THE FEDERAL INTEREST LANDS...

THIS SURVEY IS LOCATED IN PORTIONS OF SECTION 25 TOWNSHIPS 29 SOUTH, RANGE 4 WEST AND SECTION 31 TOWNSHIP 29 SOUTH, RANGE 3 WEST OF THE WILLAMETTE MERIDIAN.

THE PUBLIC LAND SURVEY SYSTEM MONUMENTS WERE FOUND AND TIED BY LEONIDES J. SANDOVAL PLS 58608, CERTIFIED FEDERAL SURVEYOR 1504...

THE INTERSECTION OF THE TEMPORARY CONSTRUCTION EASEMENT AND THE FEDERAL LANDS AND THE TEMPORARY CONSTRUCTION EASEMENT FOR THE PACIFIC CONNECTOR GAS PIPELINE WAS SURVEYED AND MONUMENTED BY OR UNDER THE DIRECT SUPERVISION OF MICHAEL W. ERICKSON.

REFERENCES:

- R1) SURVEY PERFORMED BY DAVID EDWARDS LAND SURVEYING, FOR SENECA JONES TIMBER CO. FILED 1-15-2009, CS. NO. 65/67-1
R2) DOUGLAS COUNTY SURVEY MAP, M1-31
R3) SURVEY M160-11 PERFORMED BY DAVID EDWARDS LAND SURVEYING, FOR SENECA JONES TIMBER CO. FILED 11-13-2009.
R4) BLM DEPENDENT RESURVEY, APPROVED JULY 8, 1965 C.S. 1966
R5) USLO 1858 ORIGINAL SURVEY T.29S., R.3W.
R6) SURVEY M160-11 PERFORMED BY KLEIN & ASSOCIATES, FOR WILLIAMS PIPELINE, FILED 9-21-2015.

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...

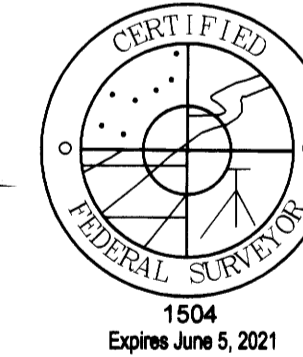


FURTHERMORE, I APPROVE THE LOCATION OF THE MONUMENTS AS DEPICTED ON THIS SURVEY DRAWING TO BE IN THEIR PROPER LOCATION.

Signature of Michael W. Erickson, PLS. 2340

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...



Signature of Leonides J. Sandoval, PLS. 58608

SHEET INDEX:

- SHEET 1 = COVER PAGE TOWNSHIP OVERVIEW
SHEET 2 = SECTION 25, TOWNSHIP 29 SOUTH, RANGE 4 WEST
SHEET 3 = SECTION 31, TOWNSHIP 29 SOUTH, RANGE 3 WEST

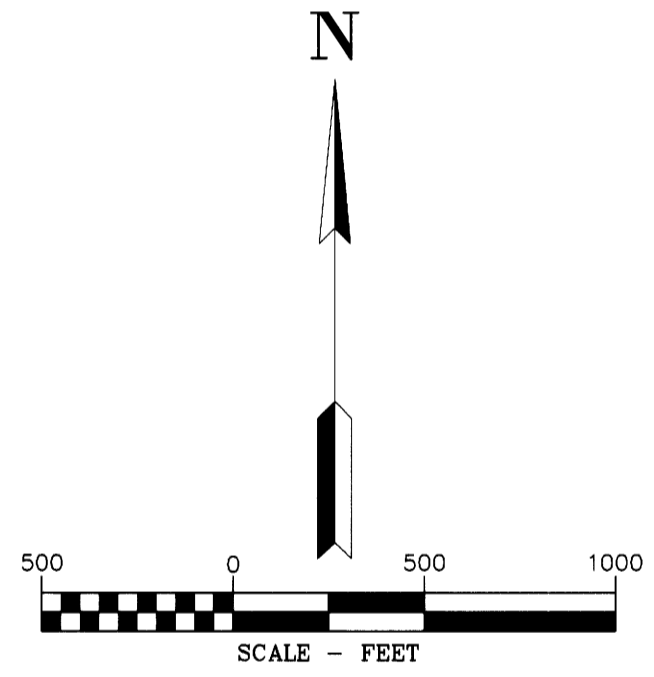
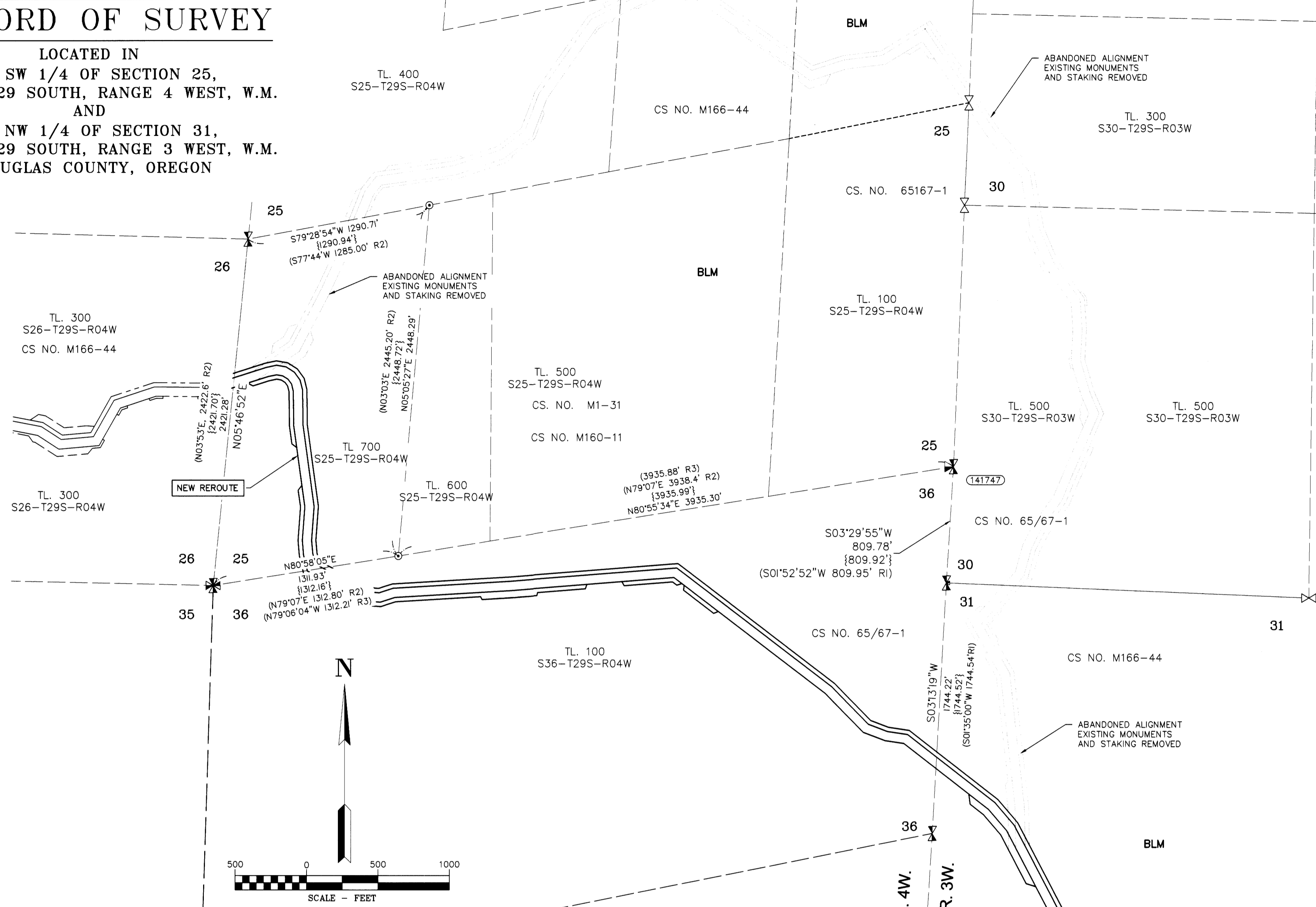
WILLAMETTE MERIDIAN DOUGLAS COUNTY, OREGON

Table with 2 columns: T.29S., R.04W and T.29S., R.03W. Row 1: Section 25. Row 2: Section 31.

SURVEY PERFORMED FOR: ENSITE USA DATE: JULY, 2019 PROJECT: 900.127 DRAFT: GD, LS, RAA FILE: 181010-R5-T29S-R3-4W_RA.DWG

RECORD OF SURVEY

LOCATED IN THE SW 1/4 OF SECTION 25, TOWNSHIP 29 SOUTH, RANGE 4 WEST, W.M. AND THE NW 1/4 OF SECTION 31, TOWNSHIP 29 SOUTH, RANGE 3 WEST, W.M. DOUGLAS COUNTY, OREGON



CORNER NOTES:

CORNERS VISITED DURING M 166-44:

- (141739) NORTHWEST CORNER SECTION 31 FOUND 3-1/4" BRASS CAP STAMPED BLM 1964
(141735) 1/4 CORNER COMMON TO SECTIONS 25 AND 26 FOUND 3-1/4" BRASS CAP STAMPED BLM 1967
(141729) CENTER-WEST 1/6 CORNER SECTION 25 FOUND 3/4" IRON PIPE

- (140411) NORTHWEST CORNER SECTION 31 FOUND 3-1/4" BRASS CAP STAMPED BLM 1964
BT REFERENCES: 1) FOUND 21" CEDAR WITH HEALED FACE AND TAG DATED 9/64 N 46°45' E - 42.9' 2) FOUND 24" FIR 6' TALL STUMP S 38° E - 60.7' 3) FOUND 11" FIR WITH (SCRIBED X BT) SET TAG DATED 11/13 N 80° W - 3.75' TO NAIL SIDE CENTER

- (141747) SOUTHEAST CORNER SECTION 25 TOWNSHIP 29 SOUTH RANGE 4 WEST FOUND 2-1/2" BRASS CAP STAMPED COUNTY SURVEYORS OFFICE 1962
BT REFERENCES: 1) FOUND 13" CEDAR (SCRIBED X BT) N 08° E - 20.7' TO NAIL SIDE CENTER 2) FOUND BEARING TREE 7" CEDAR (SCRIBED X BT) S 18° W - 16.4' TO NAIL SIDE CENTER 3) FOUND BEARING TREE 10" CEDAR (SCRIBED T29S R4W S25 BT) N 35° W - 12.4' TO NAIL SIDE CENTER

- (141729) CENTER-WEST 1/6 CORNER SECTION 25 FOUND 3/4" IRON PIPE
BT REFERENCES: 1) FOUND 28" FIR STUMP WITH VISIBLE SCRIBING S 15° E - 19.6' PER RI 2) FOUND 20" FIR STUMP WITH VISIBLE SCRIBING N 65° W - 16.3' 3) FOUND 10" CEDAR (CW 1/6 S25 BT) AND TAG DATED 6/14 N 54° W - 7.3' TO NAIL SIDE CENTER PER RI

CORNERS VISITED THIS SURVEY:

- (1830503006) E 1/4 CORNER SECTION 36 ONLY. FOUND 3" BRASS CAP STAMPED BLM 1964
BT REFERENCES: 1) 15" CEDAR WITH HEALED BLAZE N 22° W - 26.0' TO FACE 2) 15" MADRONE WITH VISIBLE BLAZE S 0° E - 9.0' TO FACE 3) 14" CEDAR WITH HEALED BLAZE S 57° W - 11.0' TO FACE

- (8030203002) W 1/16TH CORNER SECTIONS 25/36 FOUND 3/4" GALVANIZED PIPE
BT REFERENCES: 1) FOUND 9" CEDAR SNAG WITH VISIBLE BLAZE AND SCRIBING "W 1/16TH S 25 BT" N 80° W - 6.4' (N 80° E, 6.9' R3) 2) FOUND 20" CEDAR WITH VISIBLE BLAZE S 05° E - 7.5'(7.1' R2)

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 FEET. MEAN MERIDIAN CONVERGENCE ANGLE = -1'48"12"

SCALE FACTOR NOTE

THE DISTANCES SHOWN ON THIS SURVEY ARE GRID DISTANCES UNLESS NOTED. THE COMBINED SCALE FACTOR = 0.999825488 TO CONVERT FROM GRID TO GROUND MULTIPLY THE DISTANCE BY 1.000174525.

EXAMPLE: 300.00' GRID DISTANCE 300.00' x 1.000174525 = 300.05' GROUND DISTANCE.

LEGEND

- SET 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (DYER PARTNER LS 2340)
REMOVED 5/8" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KITZ LS 1853)
FOUND 5/8" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KLEIN & ASSOC. LS 59002)
FOUND MONUMENT AS NOTED (SEE CORNER NOTES)
COMPUTED POINT, NOT MONUMENTED
FOUND QUARTER CORNER SEE CORNER NOTES
FOUND SECTION CORNER SEE CORNER NOTES
COMPUTED QUARTER CORNER
COMPUTED SECTION CORNER
POINT NUMBER
{XXX.XX'} GRID DISTANCE
{XXX.XX'} RECORD DISTANCE PER REFERENCED SURVEY
R1 REFERENCED SURVEY
CS. NO. COUNTY SURVEY NUMBER
PROPOSED ALIGNMENT
TEMPORARY CONSTRUCTION EASEMENT
TEMPORARY WORK AREA

FILED Date: 7-30-19 By: DJ This survey consists of: Map: M171-67A-C Narrative: Corner Rpt: DOUGLAS COUNTY SURVEYOR

THE DYER PARTNERSHIP ENGINEERS & PLANNERS, INC. 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 - TOWNSHIP 29 SOUTH SECTION 25 RANGE 4 WEST, W.M. SECTION 31 RANGE 3 WEST, W.M. DOUGLAS COUNTY, OREGON

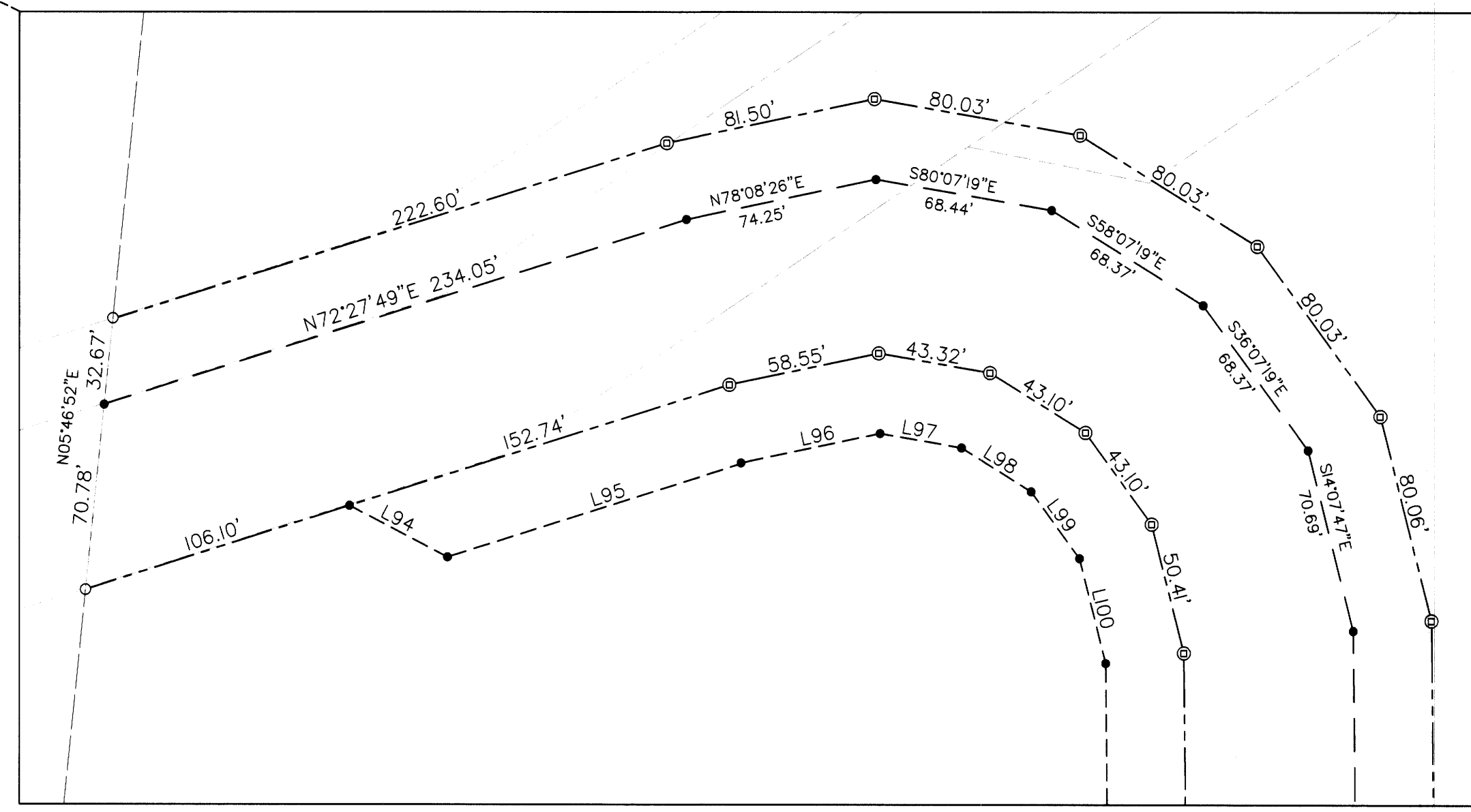
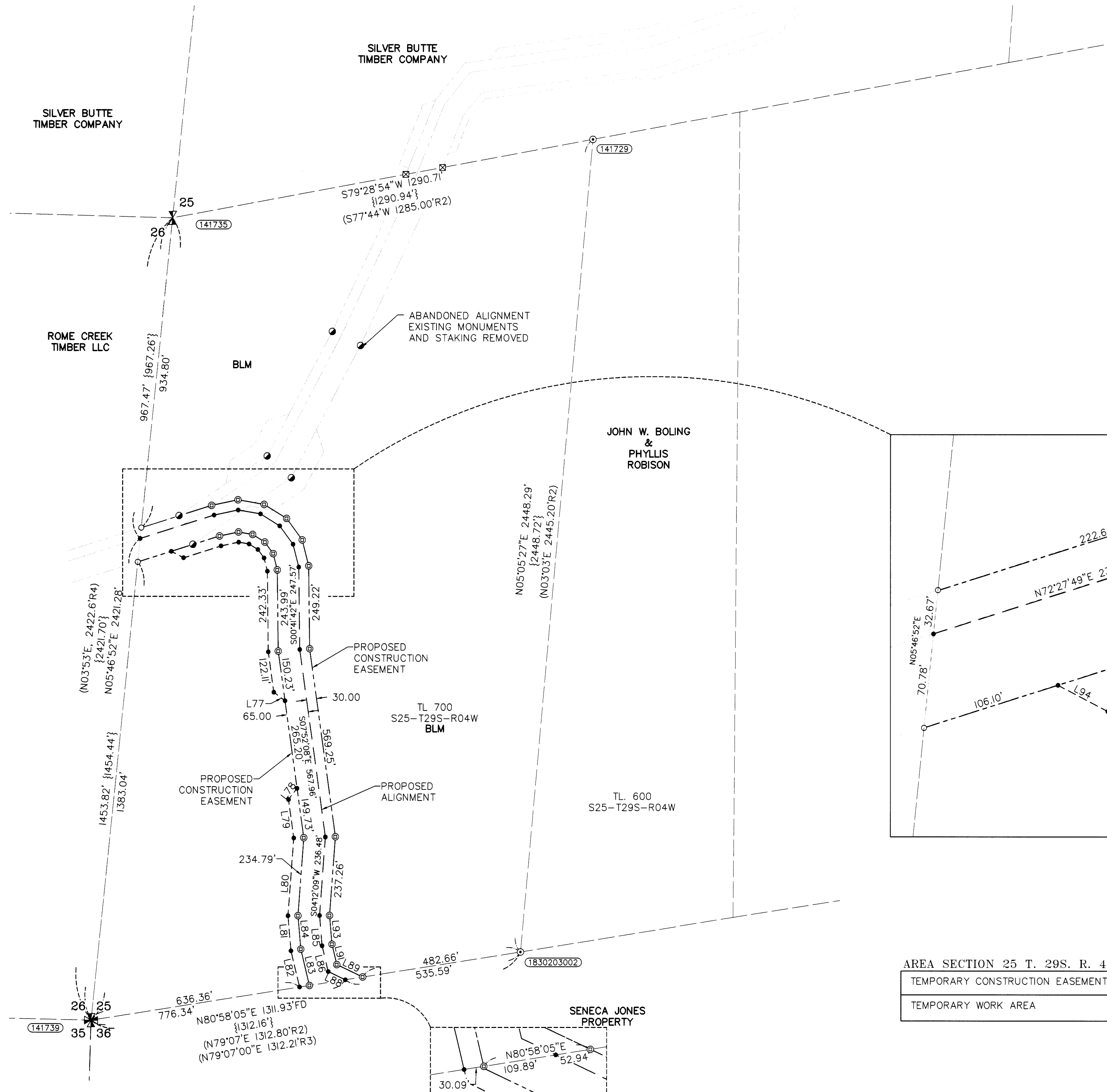
RECORD OF SURVEY

LOCATED IN THE
SOUTHWEST 1/4 OF SECTION 25,
TOWNSHIP 29 SOUTH, RANGE 4 WEST, W.M.
DOUGLAS COUNTY, OREGON

Date: 9-30-19 By: BJ
This survey consists of:
Map: M171-67 A-C
Narrative:
Corner Rpt:
DOUGLAS COUNTY
SURVEYOR

LEGEND

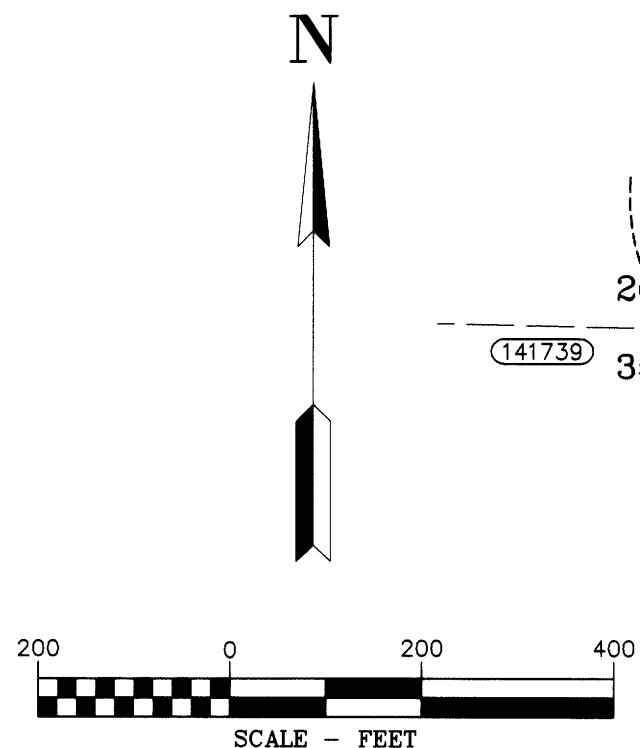
- ⊙ SET 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (DYER PARTNER LS 2340)
- ⊠ REMOVED 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KLEIN & ASSOC. LS 58608)
- REMOVED 5/8" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KITZ LS 1853)
- FOUND 5/8" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KLEIN & ASSOC. LS 59002)
- ⊙ FOUND MONUMENT AS NOTED (SEE CORNER NOTES)
- COMPUTED POINT, NOT MONUMENTED
- ⊠ 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
- CS. NO. COUNTY SURVEY NUMBER
- PROPOSED ALIGNMENT
- - - - - TEMPORARY CONSTRUCTION EASEMENT
- - - - - TEMPORARY WORK AREA



DETAIL
1"=50'

LINE TABLE

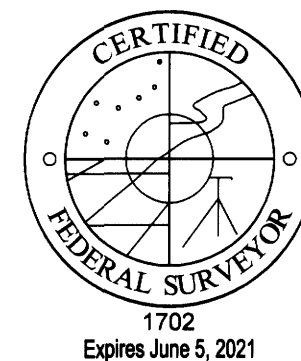
LINE #	DIRECTION	LENGTH
L77	S52°52'08"E	42.43'
L78	S37°08'08"W	42.42'
L79	S07°52'08"E	116.56'
L80	S04°12'09"W	234.01'
L81	S04°54'58"E	105.50'
L82	S13°24'43"E	112.02'
L83	S13°24'43"E	112.09'
L84	S04°54'58"E	100.88'
L85	S04°54'58"E	90.87'
L86	S13°24'43"E	79.69'
L88	S64°30'36"E	57.26'
L89	S64°30'36"E	86.54'
L91	S13°24'43"E	63.12'
L93	S04°54'58"E	86.25'
L94	S62°28'48"E	42.38'
L95	N72°27'49"E	121.31'
L96	N78°08'26"E	51.30'
L97	S80°07'19"E	31.73'
L98	S58°07'19"E	31.43'
L99	S36°07'19"E	31.44'
L100	S14°07'47"E	41.05'



AREA SECTION 25 T. 29S. R. 4W.

TEMPORARY CONSTRUCTION EASEMENT	4.00 ACRES
TEMPORARY WORK AREA	0.90 ACRES

DETAIL
1"=100'



THE DYER PARTNERSHIP ENGINEERS & PLANNERS, INC.
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
SECTION 25
TOWNSHIP 29 SOUTH, RANGE 4 WEST, W.M.
DOUGLAS COUNTY, OREGON

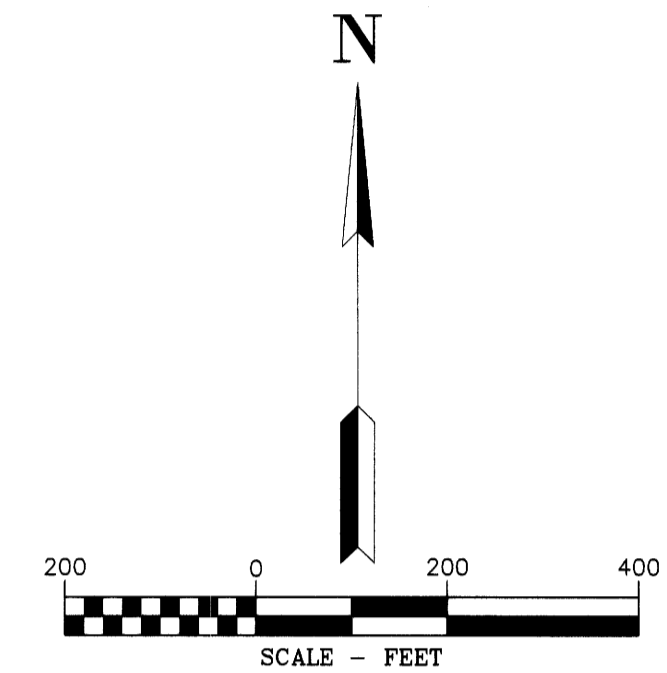


DRAWN BY: LJS	DATE: 7-26-2019	ISSUED FOR BID:	SCALE: 1"=200'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	SHEET 2 OF 3

RECORD OF SURVEY

LOCATED IN THE
NORTHWEST 1/4 OF SECTION 31,
TOWNSHIP 29 SOUTH, RANGE 3 WEST, W.M.
DOUGLAS COUNTY, OREGON

FILED
Date: 9-30-19 By: D
This survey consists of:
Map: M171-67A-C
Narrative:
Corner Rpt:
DOUGLAS COUNTY
SURVEYOR



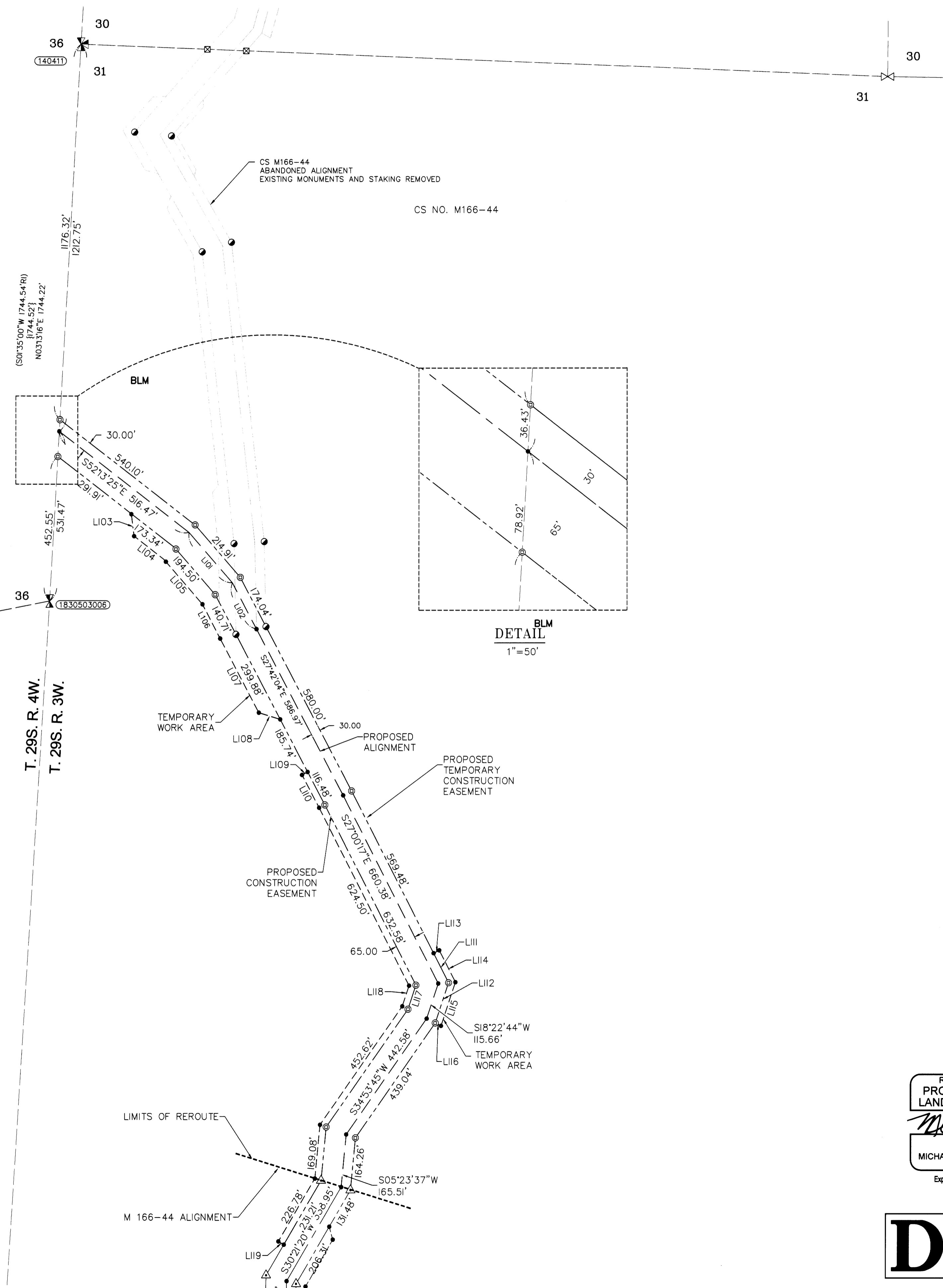
AREA SECTION 25 T. 29S. R. 4W.

TEMPORARY CONSTRUCTION EASEMENT	10.37 ACRES
TEMPORARY WORK AREA	2.85 ACRES

LINE TABLE		
LINE #	DIRECTION	LENGTH
L101	S40°53'43"E	208.46'
L102	S27°42'04"E	163.52'
L103	S07°13'25"E	69.50'
L104	S52°13'25"E	118.39'
L105	S40°53'43"E	186.07'
L106	S27°27'03"E	120.91'
L107	S27°42'04"E	261.68'
L108	S72°43'27"E	70.68'
L109	S62°17'56"W	20.00'
L110	S27°42'04"E	115.95'
L111	S27°00'17"E	103.72'
L112	S18°22'44"W	132.56'
L113	N62°59'42"E	20.00'
L114	S27°00'17"E	112.09'
L115	S18°22'44"W	143.83'
L116	N63°21'45"W	20.21'
L117	S18°22'44"W	79.05'
L118	S18°22'44"W	67.78'
L119	S59°38'40"E	20.00'
L120	S35°16'29"E	313.23'

LEGEND

- ⊙ SET 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (DYER PARTNER LS 2340)
- ⊠ REMOVED 5/8" X 30" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KLEIN & ASSOC. LS 58608)
- REMOVED 5/8" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KITZ LS 1853)
- △ FND 5/8" X 24" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KITZ 1853LS) SURVEY NO. M166-44
- FOUND 5/8" REBAR WITH 1 1/4" YELLOW PLASTIC CAP (KLEIN & ASSOC. LS 59002)
- ⊙ FOUND MONUMENT AS NOTED (SEE CORNER NOTES)
- COMPUTED POINT, NOT MONUMENTED
- ⊠ FOUND QUARTER CORNER SEE CORNER NOTES
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- - - - - TEMPORARY WORK AREA



REGISTERED PROFESSIONAL LAND SURVEYOR
MICHAEL W. ERICKSON
2340
Expires 12-31-2019

CERTIFIED FEDERAL SURVEYOR
1702
Expires June 5, 2021

D THE DYER PARTNERSHIP ENGINEERS & PLANNERS, INC.
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
SECTION 31
TOWNSHIP 29 SOUTH, RANGE 3 WEST, W.M.
DOUGLAS COUNTY, OREGON

Pacific Connector GAS PIPELINE

DRAWN BY: BTB	DATE: 7-26-2019	ISSUED FOR BID:	SCALE: 1" = 200'
CHECKED BY:	DATE:	ISSUED FOR CONSTRUCTION:	
APPROVED BY:	DATE:	DRAWING NUMBER:	SHEET 3 OF 3