

SHEET INDEX

- 1). SURVEY NARRATIVE, CONTROL NARRATIVE, NETWORK SCHEMATIC, CONTROL POINT TABLE AND BASIS OF COORDINATES AND BEARINGS.
- 2-3). SURVEY SHEETS.

SW 1/4 SEC. 13, T. 39 S, R. 1 E, W.M.
 SE 1/4 SEC. 14, T. 39 S, R. 1 E, W.M.
 NE 1/4 SEC. 14, T. 39 S, R. 1 E, W.M.
 NW 1/4 SEC. 24, T. 39 S, R. 1 E, W.M.

** RECEIVED **
 DATE 2/9/18 BY LB
 This survey consists of:
3 sheet(s) Map
0 page(s) Narrative
 JACKSON COUNTY
 SURVEYOR

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO PROVIDE FOR THE PERPETUATION OF THE LOCATIONS OF SURVEY MONUMENTS OF RECORD THAT MAY BE DESTROYED BY THIS PROJECT'S CONSTRUCTION. PERPETUATION OF THE MONUMENT LOCATIONS WAS ACCOMPLISHED BY TYING THE MONUMENTS TO THE PROJECT CONTROL NETWORK. THIS SURVEY MEETS THE REQUIREMENTS FOR A RECOVERY SURVEY AS OUTLINED IN THE OREGON REVISED STATUTES CHAPTER 209.155. THIS SURVEY WAS MADE IN SUPPORT OF OREGON DEPARTMENT OF TRANSPORTATION PROJECT TO REPAIR THE BRIDGE DECKS ON I-5 AT THE CROWSON ROAD UNDER CROSSING.

THIS SURVEY DOES NOT CONSTITUTE A PROPERTY BOUNDARY SURVEY OR RIGHT-OF-WAY RETRACEMENT SURVEY. ALL PROPERTY LINES AND RIGHT-OF-WAY LINES AS SHOWN HEREON ARE APPROXIMATE. SAID LINES ARE SHOWN FOR GRAPHIC REPRESENTATION ONLY.

ALL DISTANCES, COORDINATES AND BEARINGS SHOWN HEREON ARE PROJECTED (GRID) VALUES BASED ON THE OREGON COORDINATE REFERENCE SYSTEM GRANTS PASS-ASHLAND ZONE PROJECTION PARAMETERS. THIS SURVEY USES INTERNATIONAL FEET UNITS.

SURVEY EQUIPMENT USED CONSISTED OF TWO LEICA GNSS GS14 GPS HEADS, ONE LEICA 1200 GPS SYSTEM AND ONE LEICA CS20 SURVEY CONTROLLER.

REFERENCES

- COUNTY SURVEYS 16686, 17931 AND 20261.
 ODOT DRAWING NO'S. 8B-15-23 AND 10B-10-22.
 JACKSON COUNTY CORNER RE-ESTABLISHMENT (THIRD)
 FOR THE NW CORNER OF DLC NO. 54. T.39S, R.1E, W.M.

CONTROL NARRATIVE

PROJECT: I-5 - OVER CROWSON ROAD
 NORTH AND SOUTH BOUND BRIDGES
 LOCATION: JACKSON COUNTY, OREGON
 KEY NUMBER: K21228
 SURVEY DATUM:
 HORIZONTAL - OCRS: GRANTS PASS - ASHLAND ZONE
 NAD83(2011) EPOCH 2010 (INTERNATIONAL FEET)
 VERTICAL - NAVD88 (GEOID 12A)

HORIZONTAL CONTROL

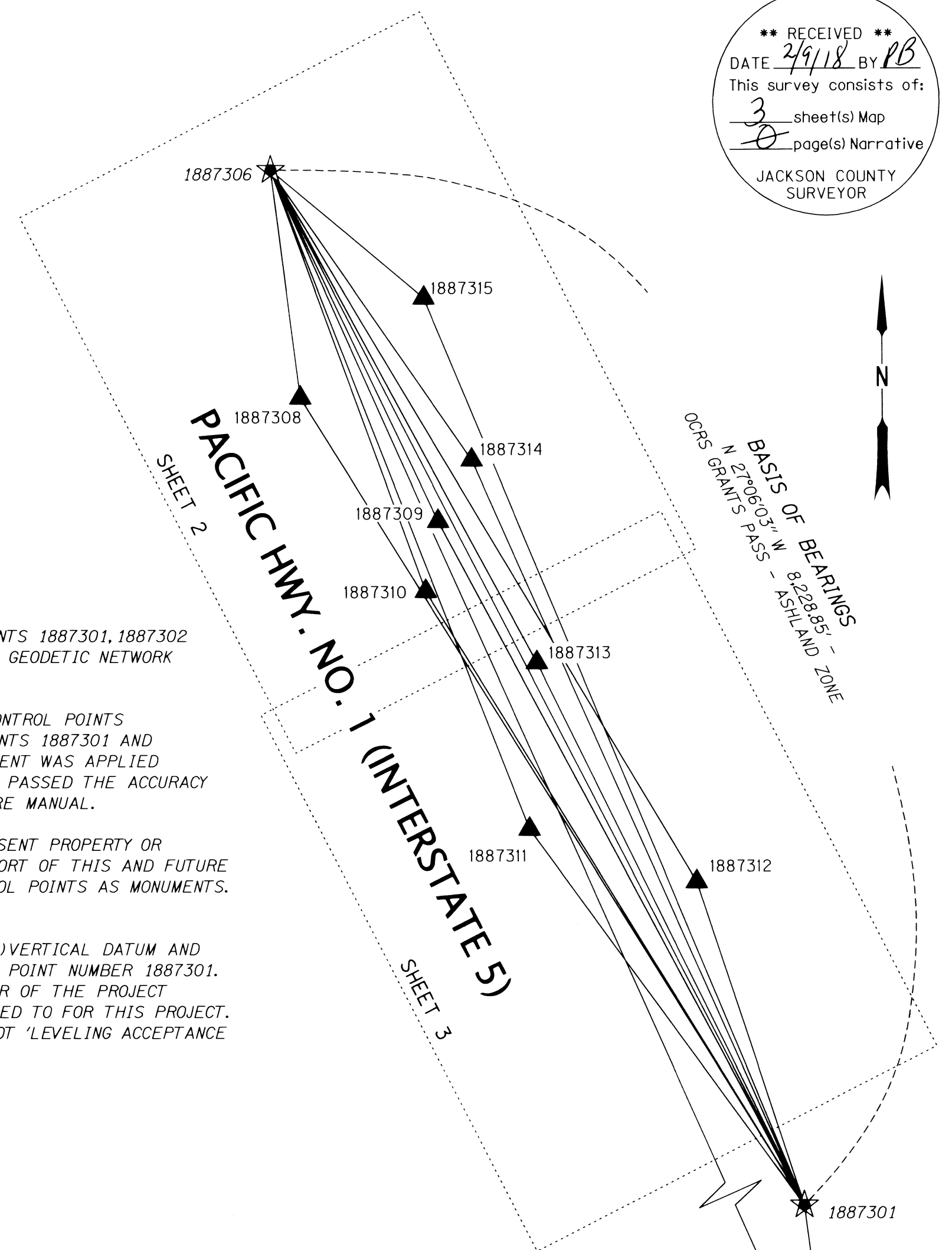
A STATIC GPS NETWORK WAS PERFORMED TO DERIVE COORDINATES ON POINTS 1887301, 1887302 AND 1887306 THIS NETWORK WAS PROCESSED HOLDING OREGON REAL TIME GEODETIC NETWORK (ORGN) STATION, 'ASHL' AND THE NGS CORS STATION P794.

A SUBSEQUENT STATIC GPS CONTROL NETWORK WAS THEN RAN THROUGH CONTROL POINTS 1887308-1887315 AS SHOWN HEREON. THE ADJUSTED COORDINATES OF POINTS 1887301 AND 1887306 WERE HELD FIXED AND A HORIZONTAL LEAST SQUARES ADJUSTMENT WAS APPLIED TO THE NETWORK CONTROL. THE HORIZONTAL LEAST SQUARES ADJUSTMENT PASSED THE ACCURACY STANDARDS FOR A 2D NETWORK PER ODOT'S SURVEY POLICY AND PROCEDURE MANUAL.

CONTROL POINTS FOR THIS SURVEY WERE NOT SET ON AND DO NOT REPRESENT PROPERTY OR RIGHT-OF-WAY LINES AND ARE INTENDED FOR THE USE BY ODOT IN SUPPORT OF THIS AND FUTURE PROJECTS. IT IS NOT THE INTENT OF ODOT TO PERPETUATE THESE CONTROL POINTS AS MONUMENTS.

VERTICAL CONTROL

ELEVATIONS FOR THE PROJECT ARE BASED UPON THE NAVD88 (GEOID 12A) VERTICAL DATUM AND WAS ESTABLISHED BY HOLDING THE GPS DERIVED ELEVATION AT CONTROL POINT NUMBER 1887301. DIFFERENTIAL LEVEL CIRCUITS WERE THEN RUN THROUGH THE REMAINDER OF THE PROJECT CONTROL SHOWN HEREON. CONTROL POINT NUMBER 1887302 WAS NOT LEVELED TO FOR THIS PROJECT. THE PROCEDURES FOR ESTABLISHING VERTICAL CONTROL PASSED THE ODOT 'LEVELING ACCEPTANCE CRITERIA' DESCRIBED IN ODOT'S SURVEY POLICY AND PROCEDURE MANUAL.



GEODETIC DATA TABLE

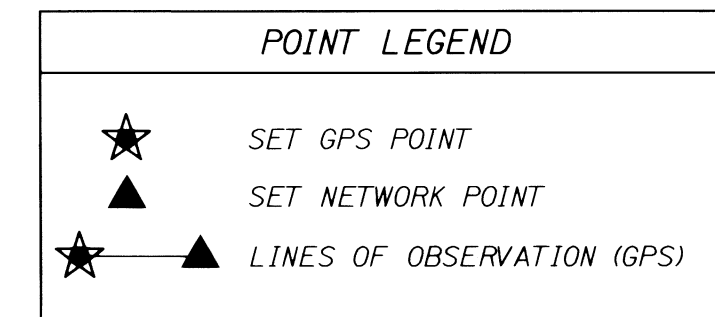
OCRS=OREGON COORDINATE REFERENCE SYSTEM

PT. NO.	OCRS NORTHING	OCRS EASTING	LATITUDE (N)	LONGITUDE (W)	ELL. HT.	GEOID SEP.	ORTHO. HT.
1887301	150466.41	349413.74	42° 09' 39.05456" N	122° 38' 58.83011" W	2091.77	-77.79	2169.56
1887302	114846.77	362134.34	42° 03' 46.18201" N	122° 36' 13.98957" W	4220.37	-77.01	4297.38
1887306	157791.78	345665.02	42° 10' 51.70436" N	122° 39' 47.83476" W	1939.64	-77.99	2017.63

1.96 SIGMA (95%) CONFIDENCE LEVEL LIMITS (GPS)

PT. NO.	SEMI MAJOR	SEMI MINOR	ORIENTATION *
1887301	0.01	0.01	348°
1887302	0.01	0.01	22°
1887306	0.01	0.01	357°
1887308	0.01	0.01	3°
1887309	0.01	0.01	3°
1887310	0.01	0.01	4°
1887311	0.01	0.01	18°
1887312	0.01	0.01	351°
1887313	0.01	0.01	342°
1887314	0.01	0.01	351°
1887315	0.01	0.01	356°

* NORTH AZIMUTH



BASIS OF BEARING AND
 CONTROL NETWORK SCHEMATIC
 NOT TO SCALE

PROJECT CONTROL POINT TABLE

IR=IRON ROD AC= ALUMINUM CAP
 OCRS = OREGON COORDINATE REFERENCE SYSTEM

PT. NO.	OCRS NORTHING	OCRS EASTING	DATE	DESCRIPTION
1887301	150466.41	349413.74	3/29/2017	SET 1" COPPER PLUG IN CONCRETE STAMPED "ODOT 18873-1"
1887306	157791.78	345665.02	3/29/2017	FOUND 3" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE" PER ODOT DRG. 8B-15-23
1887308	156486.09	346224.65	3/29/2017	SET 5/8" x 30" IR w/ AC STAMPED "ODOT CONTROL POINT 18873-8"
1887309	155309.04	346841.75	3/29/2017	SET 5/8" x 30" IR w/ AC STAMPED "ODOT CONTROL POINT 18873-9"
1887310	155061.40	346972.99	3/29/2017	SET 5/8" x 30" IR w/ AC STAMPED "ODOT CONTROL POINT 18873-10"
1887311	153310.92	347871.56	3/29/2017	SET 5/8" x 30" IR w/ AC STAMPED "ODOT CONTROL POINT 18873-11"
1887312	152994.68	348227.17	3/29/2017	SET 5/8" x 30" IR w/ AC STAMPED "ODOT CONTROL POINT 18873-12"
1887313	154306.99	347534.73	3/29/2017	SET 5/8" x 30" IR w/ AC STAMPED "ODOT CONTROL POINT 18873-13"
1887314	155600.12	346872.60	3/29/2017	SET 1" COPPER PLUG IN CONCRETE STAMPED "ODOT 18873-14"
1887315	156662.43	346325.64	3/29/2017	SET 5/8" x 30" IR w/ AC STAMPED "ODOT CONTROL POINT 18873-15"

ASSESSOR'S MAP NO.'S 39 1E 14AA, 39 1E 14AC, 39 1E 14AD, 39 1E 14D & 39 1E 24

REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

 OREGON
 JULY 09, 2001
 STUART E. CAPPELLO
 52908LS
 EXPIRES: 12/31/2019

OREGON DEPARTMENT OF TRANSPORTATION
 HORIZONTAL CONTROL & RECOVERY MAP
 I-5 OVER CROWSON RD NORTH AND
 SOUTH BOUND BRIDGES (ASHLAND) SEC
 PACIFIC HIGHWAY
 JACKSON COUNTY

ENGLISH

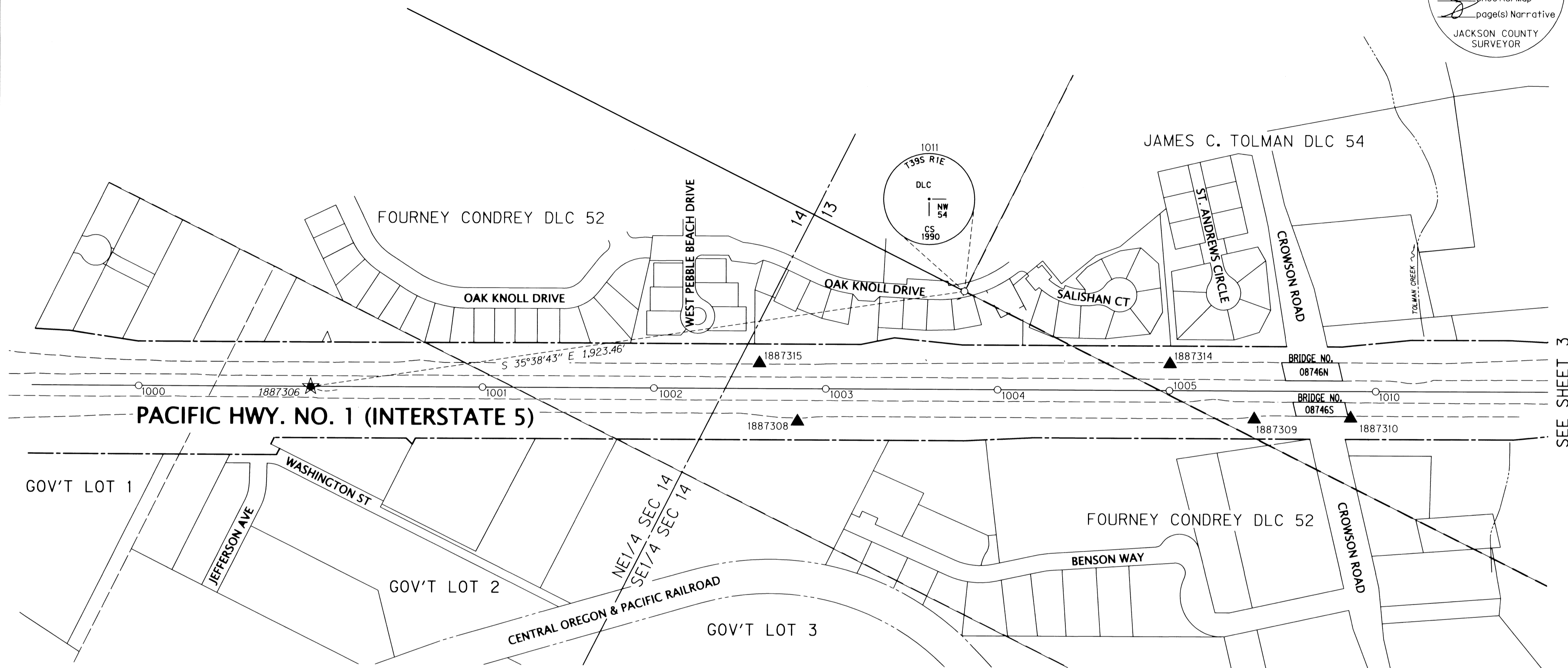
KEY NO. K21228
 REGION 3 TECH CENTER
 100 ANTELOPE ROAD
 WHITE CITY, OREGON, 97503

FEBRUARY, 2018
 SHEET 1 OF 3

DESIGNED BY: L. MILES DRAFTED BY: L. MILES CHK'D BY: S. CAPPELLO

SW 1/4 SEC. 13, T. 39 S, R. 1 E, W.M.
 SE 1/4 SEC. 14, T. 39 S, R. 1 E, W.M.
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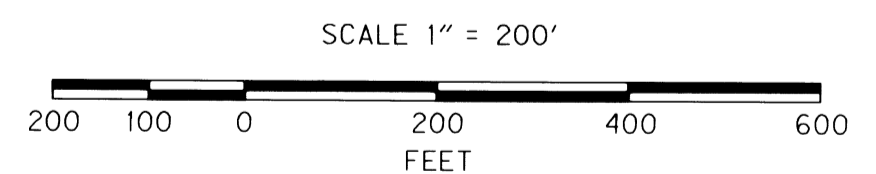
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SEE SHEET 3

LINE LEGEND	
EXISTING STATE RIGHT-OF-WAY (ACCESS CONTROLLED)	GOVERNMENT SECTION LINE
EXISTING PROPERTY LINE	GOVERNMENT 1/4 SECTION LINE
EDGE OF PAVEMENT	GOVERNMENT 1/16 SECTION LINE
GOVERNMENT CORNER TIE LINE	DONATION LAND CLAIM (THIS SIDE)
	DONATION LAND CLAIM (BOTH SIDES)

POINT LEGEND	
○	RECOVERED MONUMENT
★	SET GPS POINT
▲	SET NETWORK POINT



RECOVERED MONUMENT TABLE:

PT. NO.	OCRS NORTHING	OCRS EASTING	DATE	DESCRIPTION	REFERENCE DOCUMENT
1000	158237.20	345437.27	4/25/2017	FD 2.5" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE"	ODOT DRG. 8B-15-23
1001	157346.64	345892.58	4/25/2017	FD 2.5" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE"	ODOT DRG. 8B-15-23
1002	156902.17	346119.85	4/25/2017	FD 3" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT ELEVATION"	ODOT DRG. 8B-15-23
1003	156456.83	346347.58	4/25/2017	FD 3" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT ELEVATION"	ODOT DRG. 8B-15-23
1004	156011.60	346575.20	4/25/2017	FD 3" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT ELEVATION"	ODOT DRG. 8B-15-23
1005	155566.28	346802.82	4/25/2017	FD 5/8" IR IN BUSTED CONCRETE	ODOT DRG. 8B-15-23
1010	155031.99	347076.11	4/25/2017	FD 2.75" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE"	ODOT DRG. 8B-15-23
1011	156228.70	346785.94	5/17/2017	FD 2.5" BRASS DISK STAMPED AS INDICATED	J.C.C.R. THIRD RE-ESTAB

FD=FOUND IR=IRON ROD
 OCRS = OREGON COORDINATE REFERENCE SYSTEM
 DRG.= DRAWING J.C.C.R = JACKSON COUNTY CORNER RECORD

REGISTERED PROFESSIONAL LAND SURVEYOR
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 OREGON
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 JACKSON COUNTY

KEY NO. K21228
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 100 ANTELOPE ROAD
 WHITE CITY, OREGON, 97503

DESIGNED BY: L.MILES DRAFTED BY: L.MILES CHK'D BY: S.CAPPELLO

FEBRUARY, 2018
 SHEET 2 OF 3

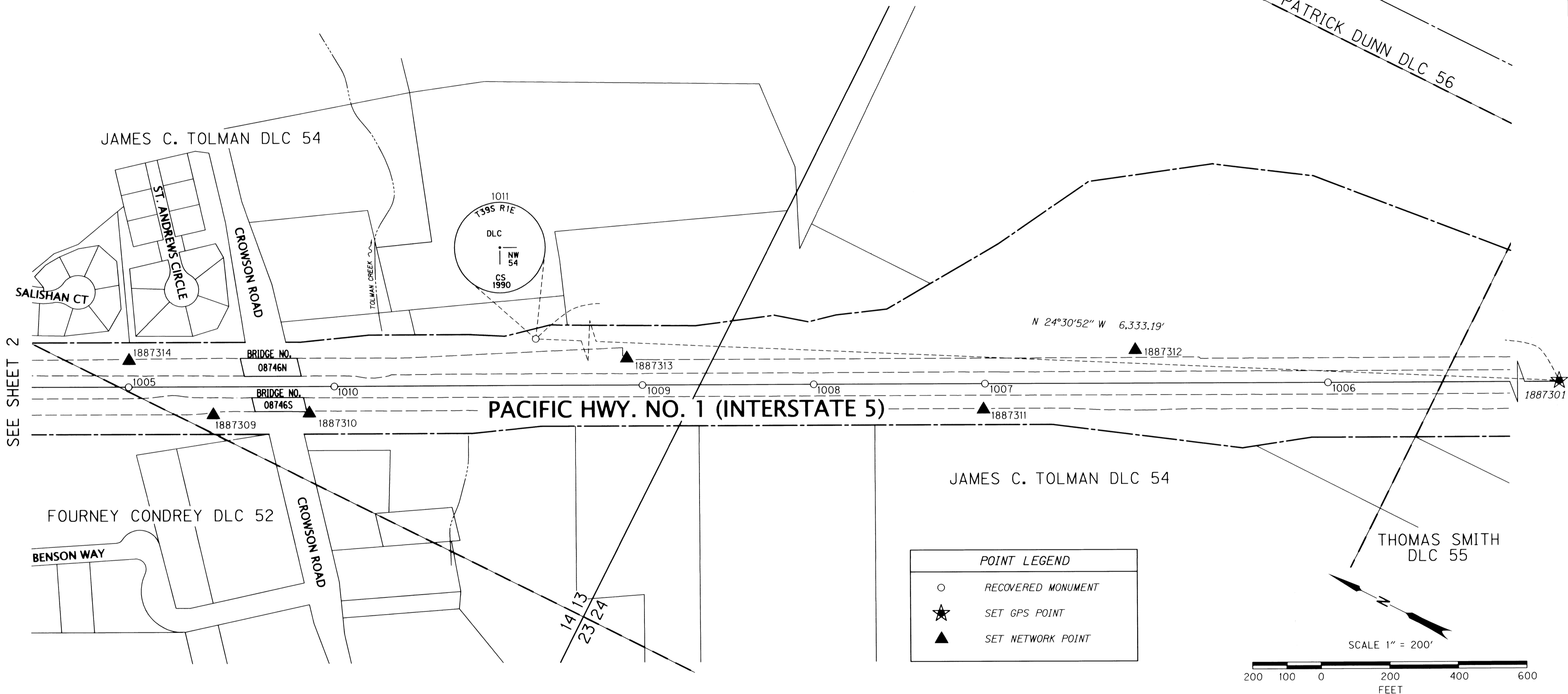
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SEE SHEET 2

POINT LEGEND	
○	RECOVERED MONUMENT
★	SET GPS POINT
▲	SET NETWORK POINT

RECOVERED MONUMENT TABLE:

PT. NO.	OCRS NORTHING	OCRS EASTING	DATE	DESCRIPTION	REFERENCE DOCUMENT
1005	155566.28	346802.82	4/25/2017	FD 5/8" IR IN BUSTED CONCRETE	ODOT DRG. 8B-15-23
1006	152450.23	348396.30	4/25/2017	FD 2.5" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT ELEVATION"	ODOT DRG. 8B-15-23
1007	153341.07	347940.79	4/25/2017	FD 3" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT ELEVATION"	ODOT DRG. 8B-15-23
1008	153786.17	347713.17	4/25/2017	FD 2.5" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE"	ODOT DRG. 8B-15-23
1009	154231.14	347485.66	4/25/2017	FD 3" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT ELEVATION"	ODOT DRG. 8B-15-23
1010	155031.99	347076.11	4/25/2017	FD 2.75" BRASS DISK STAMPED "STATE HIGHWAY DEPARTMENT REFERENCE"	ODOT DRG. 8B-15-23
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 FEBRUARY, 2018
 SHEET 3 OF 3