BASIS OF BEARING AND COORDINATES:

THE BEARINGS AND COORDINATES OF THE INFORMATION DEPICTED HEREON ARE BASED UPON A PRIVATE BOUNDARY SURVEY CONDUCTED BY KLEIN & ASSOCIATES, INC. FOR THE OREGON DEPARTMENT OF TRANSPORTATION IN APRIL OF 2017. SURVEY CONTROL POINT 1 IS

NGS STATION DESIGNATION 'PONDER 2', PID RC1674, ESTABLISHED IN 1975 BY THE NATIONAL GEODETIC SURVEY AND IS A BRASS CAP

MONUMENT SET IN CONCRETE NEAR THE EASTERLY TRAVEL LANE OF THE HIGHWAY OFF-RAMP TO THE U.S. HIGHWAY 84 AT CASCADE AVENUE.

SURVEY CONTROL POINT 2 IS A GPS CONTINUOUSLY OPERATING REFERENCE STATION DESIGNATION APPLETON CORS, CORS ID GWEN, PID AF9636

THE BASIS OF BEARING IS BASED ON THE OREGON COORDINATE SYSTEM NORTH ZONE 1983(2011 ADJUSTED) (EPOCH:2010.00000)

THIS SURVEY UTILIZES A LOCAL DATUM PLANE (LDP) WHICH IS RELATIVE TO THE OREGON COORDINATE SYSTEM (OCS) OF 1983(2011) NORTH ZONE WITH RESPECT TO THE LOCAL LATITUDE AND GROUND ELEVATION. THE LDP COORDINATES DEFINE GROUND DISTANCES.

TO CONVERT LDP COORDINATES TO OREGON COORDINATE SYSTEM, MULTIPLY LDP COORDINATES BY 0.999907984

RESOLUTION:

ALL SURVEYS OF RECORD RESOLVED THE HWY ROW USING THE EXISITING ROAD ALIGNMENT, SEE ROAD ESTABLISHMENT FOR NOTES BELOW FOR RESOLUTION OF TUCKER ROAD, GUIGNARD ROAD, ORCHARD ROAD, COUNTRY CLUB ROAD AND BARRETT DRIVE.

ROAD ESTABLISHMENT

TUCKER ROAD TUCKER ROAD ORDERED OPEN BY WASCO COUNTY BOARD OF COMMISSIONERS IN AUGUST OF 1880, RECORDED IN BOOK 1, PAGE 420, WASCO COUNTY RECORDS, AS A 60 FOOT RIGHT-OF-WAY. TUCKER ROAD CENTERLINE WAS SHOWN TO BE CENTERED ON THE NORTH-SOUTH MID-SECTION LINE OF THE SOUTHEAST QUARTER, ALONG WITH THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 2. A WAGON SKEIN WAS SET FOR THE 1/16 CORNER, BY P.M. MORSE, MAY 14, 1909, AND RESET BY TERRA SURVEYING IN COUNTY SURVEY NO. 2009-028, LCR 1189 AND WAS RECOVERED AND FOUND TO BE S 32°04'26" E, 4.65 FEET FROM THE COMPUTED POSITION OF THE 1/16 CORNER, A FURTHER INVESTIGATION WAS PERFORMED AND CONCLUDED THAT

MOST SURVEYS PERFORMED IN THE AREA HELD THE COMPUTED POSITION OF SAID 1/16 CORNER TO ESTABLISH THE CENTERLINE OF TUCKER ROAD AND NOT THE 1/16 CORNER SET BY P.M. MORSE, AS THE WAGON SKEIN WAS SET IN 1909 AND THE ROAD WAS OPENED IN 1880. THE CENTERLINE OF TUCKER ROAD WAS COMPUTED BASED ON HOLDING THE COMPUTED POSITION OF THE NORTH-SOUTH MID-SECTION LINE ALONG WITH THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER PER A SECTION BREAKDOWN OF THE SOUTH HALF OF SECTION 2. SEE THE FACE OF THIS PLAT FOR FURTHER DETAILS.

GUIGNARD ROAD ORIGINALLY KNOWN AS (44" STREET) WAS CREATED AS A 60 FOOT RIGHT-OF-WAY BASED ON THE PLAT OF GUIGNARD SUBDIVISION, RECORDED MARCH 16, 1966, FILED AS COUNTY SURVEY NO. 1692. ACCORDING TO HOOD RIVER COUNTY ENGINEERING DEPARTMENT, HOOD RIVER COUNTY HAS ACCEPTED SAID ROAD IN THE COUNTY ROADS SYSTEM. GUIGNARD ROAD WAS ESTABLISHED BY HOLDING A 60 FOOT OFFSET NORTHERLY OF THE SOUTH LINE OF GUIGNARD ROAD, WHICH WAS ESTABLISHED BY HOLDING THE MEAN POSITION OF RECORDED MONUMENTS TIED ALONG THE SOUTH RIGHT-OF-WAY OF GUIGNARD ROAD. THE ESTABLISHED NORTH RIGHT-OF-WAY OF GUIGNARD ROAD WAS THEN COMPARED TO TIED MONUMENTS AND FOUND TO BE WITHIN ACCEPTABLE TOLERANCES.

ORCHARD ROAD WAS OPENED BY WASCO COUNTY BOARD OF COMMISSIONERS ON JUNE 6, 1891 AND RECORDED IN BOOK F, PAGE 112, WASCO COUNTY RECORDS. NO WIDTH WAS STATED IN THE COMMISSIONER JOURNAL, BUT IT APPEARS TO HAVE BEEN ACCEPTED AS A FORTY FOOT (40') RIGHT-OF-WAY BASED ON PAST SURVEYS PERFORMED BY HOOD RIVER COUNTY, ALONG WITH ADDITIONAL ROAD RIGHT-OF-WAY ACQUIRED BY BARGAIN AND SALES DEEDS RECORDED IN BOOK 44, PAGE 273, AND BOOK 44, PAGE 300, WHICH ALSO INDICATE SAID RIGHT-OF-WAY AS 40 FEET IN WIDTH. IN 2010 HOOD RIVER COUNTY ENGINEER, ALONG WITH THE COUNTY SURVEYOR, WHICH DETERMINED ORCHARD ROAD TO HAVE A 60 FOOT RIGHT-OF-WAY BASED ON TERRITORY LAW, WHICH WAS BASED ON THE DATE OF JUNE 6, 1891 WHEN SAID ROAD WAS ACCEPTED INTO THE COUNTY ROAD SYSTEM, ACCORDING TO STATUTORY COUNTY ROAD WIDTH OF OREGON BETWEEN MAY 21, 1889 AND MAY 22, 1915, IF NO WIDTH IS STATED, LAW PRESCRIBES 60 FEET AS STANDARD WIDTH. THE CENTERLINE OF ORCHARD ROAD WAS COMPUTED BASED ON HOLDING THE COMPUTED POSITION OF THE 1/16 CORNER AND THE 1/16 CORNER FROM FOUND MONUMENTS RECOVERED IN THE CERTAIN PROPERTY LINE ADJUSTMENT SURVEY, PERFORMED BY KLEIN & ASSOCIATES, INC, FILED AS COUNTY SURVEY NO. 2009-035, DATED AUGUST 6, 2009.

COUNTRY CLUB ROAD WAS OPENED BY WASCO COUNTY COURT ON NOVEMBER 10,1876 AND RECORDED ON PAGE 332, WASCO COUNTY RECORDS. SAID ROAD IS DESCRIBED AS BEING CENTER ON THE MID SECTION LINE AND THE SOUTH LINE OF THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 2 NORTH, RANGE 10 EAST. THE PLAT OF DAVENPORT SUBDIVISION PERFORMED BY JOHN L. HENDERSON RECORDED JULY 27,1903 SHOWS SAID ROAD AT 60 FEET IN WIDTH, ALSO THE PLAT OF ALBEE TRACTS, PERFORMED BY P.M. HALL LEWIS, RECORDED IN OCTOBER 2, 1907 SHOWN SAID ROAD AT 60 FEET IN WIDTH. COUNTRY CLUB ROAD WAS ESTABLISHED BY HOLDING A 3' BRASS CAP IN A MONUMENT CASE FOR THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 4 AND THE COMPUTED POSITION OF THE CENTER-CENTER EAST 1/16 CORNER PER THAT SURVEY PERFORMED BY DANNY L. CRON, FILED AS COUNTY SURVEY NO. 78028. THE ESTABLISHED RIGHT-OF-WAY OF COUNTY CLUB ROAD WAS THEN COMPARED TO TIED MONUMENTS AND FOUND TO BE WITHIN ACCEPTABLE TOLERANCES.

BARRETTE DRIVE WAS OPENED BY FINAL ORDER BY WASCO COUNTY COURT ON SEPTEMBER 6,1878 AND RECORDED ON PAGE 281, WASCO COUNTY RECORDS AND TRANSCRIBED FROM WASCO COUNTY RECORDS VOLUME B OF COUNTY COURT JOURNAL PAGE 400. SAID ROAD IS DESCRIBED AS BEING CENTER ON THE SOUTH LINE OF THE EAST HALF OF THE SOUTHEAST QUARTER OF SECTION 4, TOWNSHIP 2 NORTH, RANGE 10 EAST. BARRETT DRIVE WAS ESTABLISHED BY HOLDING A 3' BRASS CAP IN A MONUMENT CASE FOR THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF SECTION 4 AND A 3' BRASS CAP IN A MONUMENT CASE LOCATED AT THE SOUTHEAST CORNER OF THE SOUTHEAST QUARTER OF SECTION 4. THE ESTABLISHED RIGHT-OF-WAY OF BARRETT DRIVE WAS THEN COMPARED TO TIED MONUMENTS AND FOUND TO BE WITHIN ACCEPTABLE TOLERANCES.

THE FOLLOWING IS A LIST OF SURVEYS WHICH WHERE UTILIZED FOR RESEARCH OF THE PROJECT CORRIDOR, A SEARCH WAS MADE FOR 0R281 (TUCKER ROAD) WITHIN ODOT AND HOOD RIVER COUNTY SURVEYOR OFFICE.IT WAS CONCLUDED THAT NO HIGHWAY MAPS WERE FOUND WITHIN THE IMMEDIATE AREA. OR 281 RIGHT OF WAY WAS ESTABLISH AS NOTED IN ROAD ESTABLISHMENT NOTE, EACH SURVEY WITHIN OR NEAR THE PROJECT LIMITS WAS REVIEWED FOR MONUMENTATION HAVING BEEN SET OR FOUND THAT MAY BE SUBJECT TO DISTURBANCE BY THE ROAD PRESERVATION PROJECT. A SEARCH WAS THEN CONDUCTED TO ASCERTAIN THE CURRENT PRESENCE OF SAID MONUMENT AND THE LIKELIHOOD THAT IT MAY BE DISTURBED. IF THE MONUMENT WAS DETERMINED TO BE AT RISK THE MONUMENT WAS LOCATED BY SURVEY AND IS DEPICTED HEREON. THOSE MONUMENTS NOT FOUND OR DETERMINED TO NOT BE AT RISK ARE NOT SHOWN OR DEPICTED HEREON.

COUNTY SURVEY NO	TAX MAP REF.
1342	2N 10E 02DC
7339	2N 10E 09
2009-062	2N 10E 02DD
2000-079	2N 10E 02DD
77042	2N 10E 02DD
78010	2N 10E 02DD
79030	2N 10E 02DC
80030	2N 10E 04D
80067	2N 10E 09
80075	2N 10E 04D
80098	2N 10E 02DC
81082	2N 10E 02DD
86033	2N 10E 04D
92057	2N 10E 04D
92100	2N 10E 02DC
95046	2N 10E 04D
96009	2N 10E 02DC
96070	2N 10E 11A
2005-054	2N 10E 04D
2006-030	2N 10E 09
2009-035	2N 10E 11A
2015-018	2N 10E 20DD

REFERENCE DOCUMENT (CONT.):

GUIGNARD SUBDIVISION

CORNER RECORD:

LCR 457 - SECTION CORNER COMMON TO 3, 4, 9 AND 10 LCR 558 - E 1/16 CORNER COMMON TO 4 AND LCR 505 - QUARTER SECTION CORNER COMMON TO 4 AND 9 LCR 569 - CENTER E 1/16 CORNER SECTION 4 LCR 516 - QUARTER SECTION CORNER COMMON TO 3 AND 4 LCR 599 - 1/64 CORNER SECTION 4 LCR 1189 - CENTER E 1/16 CORNER SECTION 2

FIELD TRAVERSE PROCEDURES: A G.P.S. NETWORK WAS PERFORMED TO ESTABLISH A PRIMARY CONTROL NETWORK_TO ODOT STANDARDS, ALONG WITH A TRAVERSE NETWORK PERFORMED TO ODOT STANDARDS, TURNING TWO SETS OF ANGLES WITH DIRECTIONAL READING TOTAL STATION, RECORDING DATA ELECTRONICALLY. A LEAST SQUARES ADJUSTMENT WAS PERFORMED USING TRIMBLE BUSINESS CENTER VERSION 3.90 SOFTWARE.

EQUIPMENT:

WE UTILIZED TWO INSTRUMENT IN CONDUCTING THIS SURVEY AS DEPICTED. A TRIMBLE RIØ G.P.S. UNITS WERE UTILIZED TO PERFORM STATIC SESSION ON THE PRIMARY CONTROL POINTS WITHIN THE PRIMARY CONTROL NETWORK AND A TRIMBLE S6 TOTAL STATION WAS USED FOR THE SECONDARY TRAVERSE NETWORK READING TO 3 SECOND OF ARC WITH DISTANCE READOUT TO 0.001 FEET. THE TRIMBLE S6 WAS USED IN TIEING MONUMENTS FOR THE MONUMENT RECOVERY SURVEY AND FOR MONUMENT TIES INCORPORATED INTO THE RIGHT-OF-WAY RESOLUTION.

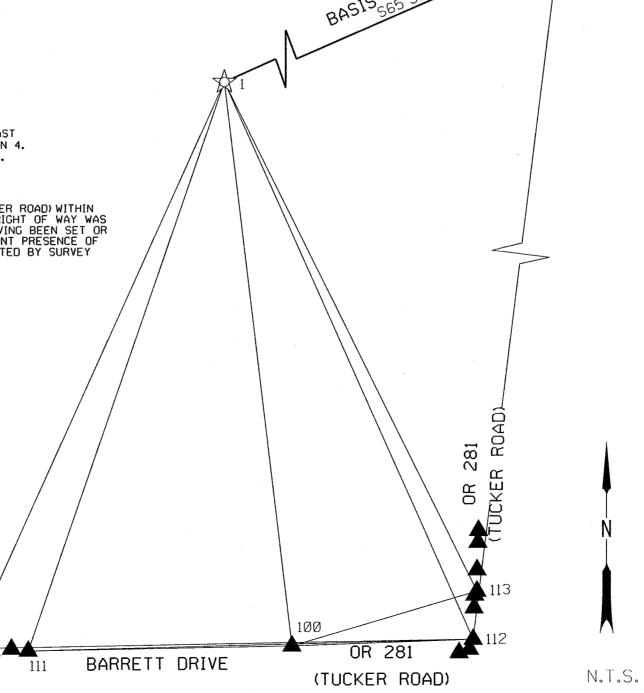
TRIPODS WERE UTILIZED FOR EACH PRISM POINTING SETUP WITH A SECO TRI-BRACH WITH AN 8 MINUTE PER MILLIMETER CIRCULAR BUBBLE, TIES TO MONUMENTS WERE MADE UTILIZING A SEKO

SHEET INDEX:

1 NARRATIVE, REFERENCE DOCUMENTS, EQUIPMENT, PROCEDURES, AND INDEX SHEET 2 TRAVERSE/NETWORK POINTS, COORDINATE LIST, TRAVERSE ANALYSIS DATA SHEET 3 RIGHT-OF-WAY COUNTRY CLUB RD. AND BARRETT DR.

SHEET 4 RIGHT-OF-WAY OR 281 AND ORCHARD RD. SHEET 5 RIGHT-OF-WAY OR 281 AND GUIGNARD RD.

SURVEY PERFORMED FOR: ODOT DATE OF SURVEY: MAY 2, 2017 PROJECT: 16-09-03



REFERENCE OF DEEDS:

DOCUMENT	TAX LOT	MAP
2016-00242	3400	2N 10E 04D
970780	3401	2N 10E 04D
20055040	3402	2N 10E 04D
2014-03294	3501	2N 10E 04D
992151	4100	2N 10E 04D
2014-02188	4200	2N 10E 04D
20032251	4300	2N 10E 04D
981178	4400	2N 10E 04D
2008-02356	300	2N 10E 09
2007-03374	301	2N 10E 09
2015-04134	302	2N 10E 09
20021238	400	2N 10E 09
931765	500	2N 10E 09
2006-06072	501	2N 10E 09
20021238	503	2N 10E 09
860965	600	2N 10E 09
791898	700	2N 10E 09
791316	2900	02N10E11A
20060777	2901	02N10E11A
980669, 2010-00406, 2010-00410	2902	02N10E11A
2014-02767	2800	02N10E11A
861033	400	02N10E11A
691431	300	02N10E11A
780433	3200	02N10E02DD
2014-02544	3300	02N10E02DD
980838	3400	02N10E02DD
20014010	800	02N10E02DC
2013-02962	900	02N10E02DC
680984	3600	02N 10E 02DB
911088	3700	02N 10E 02DB
2012-03913	1100	02N 10E 02DC
2012-03913	300	02N 10E 02DC
2012-04403	100	02N 10E 02DC
2015-04293	200	02N 10E 02DC
2015-01819	400	02N 10E 02DC
770486	2100	02N 10E 02DA
921062	2200	02N 10E 02DA
2010-01294	2300	02N 10E 02DA
20042004	2700	02N 10E 02DA
2007-04302	300	02N 10E 02DD
20036705	500	02N 10E 02DD
850914	600	02N 10E 02DD

REGISTERED **PROFESSIONAL** LAND SURVEYOR

OREGON JULY, 12 2005 JAMES M. KLEIN 59002

EXPIIRES 6-30-2019

OREGON DEPARTMENT OF TRANSPORTATION

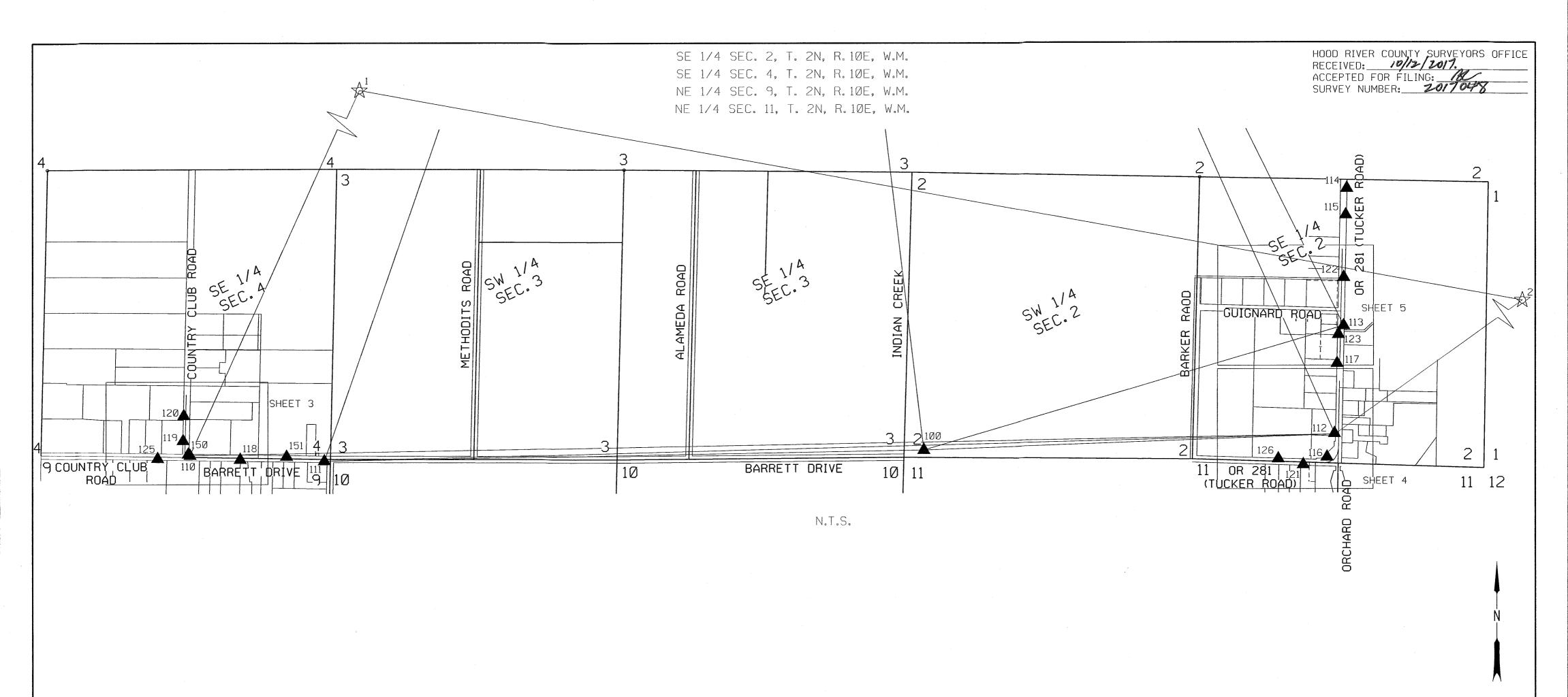
HORIZONTAL CONTROL NETWORK, MONUMENT RECOVERY AND RIGHT OF WAY RETRACEMENT SURVEY OR281: GUINARD, ORCHARD & COUNTRY CLUB: BARRETT DRIVE

> LOCATED IN THE SE 1/4 SECTION 2, THE SE 1/4 SECTION 4, THE NE 1/4 SECTION 9, THE NE 1/4 SECTION 11, TOWNSHIP 2 NORTH, RANGE 10 EAST OF THE WILLAMETTE MERIDIAN, COUNTY OF HOOD RIVER, OREGON

FOR ODOT REGION 1 SURVEY GROUP 123 NW FLANDERS. PORTLAND, OR. 97209-4037

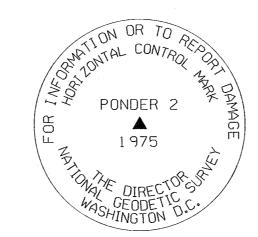
AUGUST 14, 2017 O.D.O.T. CONT. NO. B34608 KEY NO. K18830 SHEET 1 OF 5

Rotation: 0° Scale: 1"=100'



NETWORK POINT COORDINATE TABLE IN LOCAL DATUM PLANE (STATE PLANE COODINATES = LOCAL DATUM PLANE X 0.999907984)

PT.	LDP	LDP	NAVD 88	
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	747041.85	7933902.43	336.79	FOUND PONDER 2, 2" DIA. BRASS DISK IN CONCRETE, SET BY NGS
2	772523.96	7990980.22	2473.345	CORS GWN5, CORS_ID GWEN, PID AF9636
100	735326.95	7935307.46	620.29	SET MAG SPIKE
110	735279.72	7928567.85	805.17	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
111	735228.34	7929802.16	759.46	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
112	735465.10	7939083.76	580.14	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
113	736461-03	7939163-24	575.33	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL



		EXPIIRES 6-30-2019

SECONDARY TRAVERSE CONTROL POINTS IN LOCAL DATUM PLANE (STATE PLANE COODINATES = LOCAL DATUM PLANE X 0.999907984)

PT.	LDP	LDP	NAVD 88	
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION & REFERENCE DOCUMENTS
114	737716.64	7939196.30	566.38	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
115	737473.98	7939185.54	569.15	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
116	735256.76	7939010.82	575.63	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
117	736115.16	7939103.29	575.56	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
118	735242.02	7929028.89	784.33	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
119	735415.02	7928504.68	807.53	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
120	735644.41	7928510.46	806.14	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
121	735186.14	7938792.44	578.62	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
122	736903.25	7939165.07	574.51	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
123	736380.92	7939115.77	575.54	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
125	735250.32	7928270.23	815.78	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
126	735240.43	7938562.54	583.40	SET MAG NAIL
150	735290.87	7928551.92	806.10	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL
151	735269.65	7929455.14	761.66	SET 5/8"X24" IR W/ 1-1/4" RPC MARKED KA CONTROL

LEGEND

- () RECORD DATA PER COUNTY SURVEY
- RECORD DATA PER COUNTY DEED
- O FOUND MONUMENT NOTED IN TABLE
- FOUND GPS STATION POINT AS NOTED ON SHEET 5
- AS NOTED ON SHEET 5
- AS NETWORK POINT

- -- EDGE OF PAVEMENT
- ---- RIGHT-OF-WAY
- ---- PROPERTY LINE
- -X- FENCE
 - RPC = RED PLASTIC CAP
 - YPC = YELLOW PLASTIC CAP
 - CS = COUNTY SURVEY
 - IR = REBAR
 - IP = IRON PIPE
 - BD = BRASS DISK

OREGON DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL NETWORK, MONUMENT RECOVERY
AND RIGHT OF WAY RETRACEMENT SURVEY
OR281: GUINARD, ORCHARD & COUNTRY CLUB: BARRETT DRIVE

LOCATED IN THE SE 1/4 SECTION 2, THE SE 1/4

SECTION 4, THE NE 1/4 SECTION 9, THE

NE 1/4 SECTION 11, TOWNSHIP 2 NORTH, RANGE 1Ø EAST

OF THE WILLAMETTE MERIDIAN,

COUNTY OF HOOD RIVER, OREGON

FOR ODOT REGION 1 SURVEY GROUP 123 NW FLANDERS, PORTLAND, OR. 97209-4037

PORTLAND, OR. 97209-4037 AUGUST 14, 2017 0.D.O.T. CONT. NO. B34608 KEY NO. K18830 SHEET 2 OF 5

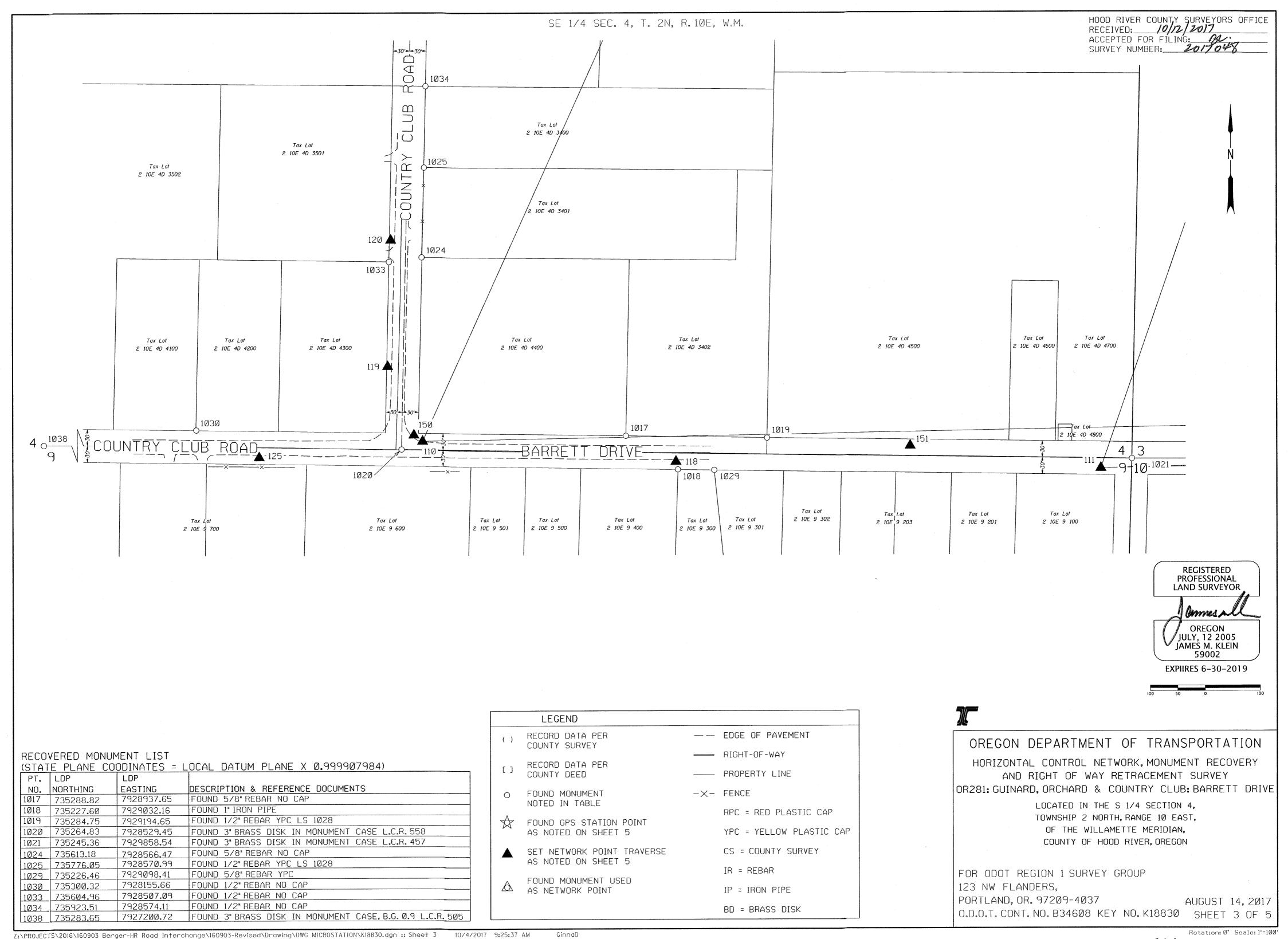
REGISTERED PROFESSIONAL

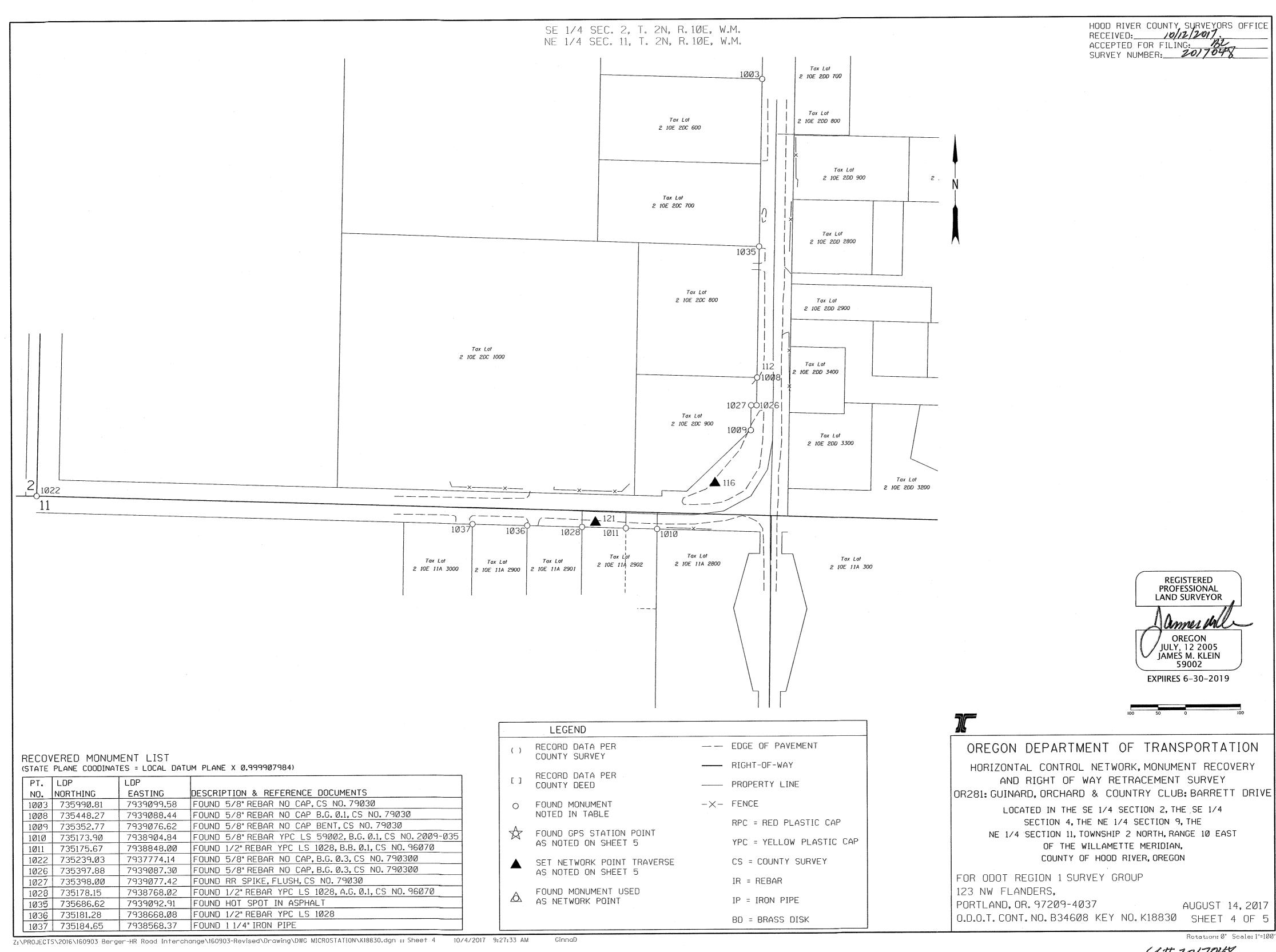
LAND SURVEYOR

OREGON JULY, 12 2005 JAMES M. KLEIN

59002

ames





PT. LDP

NO. NORTHING

1001 736562.44

1002 736373.32

1004 736577.18 1005 736630.41

1006 736636.16

1014 737074.16

1016 736337.32

1031 736863.72

1032 736405.50

1015

736044.72

LDP

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HOOD RIVER COUNTY SURVEYORS OFFICE RECEIVED: 10/12/2017 ACCEPTED FOR FILING: 15017048
SURVEY NUMBER: 2017048

> REGISTERED **PROFESSIONAL** LAND SURVEYOR JULY, 12 2005 JAMES M. KLEIN 59002 EXPIIRES 6-30-2019

OREGON DEPARTMENT OF TRANSPORTATION HORIZONTAL CONTROL NETWORK, MONUMENT RECOVERY

AND RIGHT OF WAY RETRACEMENT SURVEY OR281: GUINARD, ORCHARD & COUNTRY CLUB: BARRETT DRIVE

LOCATED IN THE SE 1/4 SECTION 2, TOWNSHIP 2 NORTH, RANGE 10 EAST OF THE WILLAMETTE MERIDIAN, COUNTY OF HOOD RIVER, OREGON

FOR ODOT REGION 1 SURVEY GROUP 123 NW FLANDERS, PORTLAND, OR. 97209-4037

AUGUST 14, 2017 O.D.O.T. CONT. NO. B34608 KEY NO. K18830 SHEET 5 OF 5

Rotation: 0° Scale: 1"=100'