

**NW 1/4 AND NE 1/4 SEC 19 T25S R5W WM
BEING PART OF THE LEVI KNOTT DLC 53
CITY OF SUTHERLIN, DOUGLAS COUNTY, OREGON**

FILED
Date: 2-24-2022 By: *BJ*
This survey consists of:
Map: *ST HWY 138-018A-E*
Narrative: _____
Corner Rpt: _____
**DOUGLAS COUNTY
SURVEYOR**

NARRATIVE:

PURPOSE OF THE SURVEY:

THE PURPOSE OF THIS SURVEY IS TO ESTABLISH PERMANENT HORIZONTAL CONTROL, RECOVER AND PERPETUATE EXISTING MONUMENTS, AND TO RESOLVE THE LOCATION OF THE EXISTING RIGHT OF WAY CENTERLINE OF STATE HIGHWAY 138 (ELKTON-SUTHERLIN HIGHWAY), FOR THE PROPOSED OREGON DEPARTMENT OF TRANSPORTATION (ODOT) DOUGLAS COUNTY ADA CURB RAMPS PROJECT, KEY NUMBER 22388. THIS SURVEY MEETS THE REQUIREMENTS OF ORS 209.155. ADJOINING BOUNDARY LINES HAVE NOT BEEN RESOLVED IN THIS SURVEY BUT ARE SHOWN PER EXISTING SURVEYS OR OTHER AVAILABLE INFORMATION. FIELDWORK WAS PERFORMED FROM NOVEMBER 3, 2020 TO JANUARY 22, 2021.

MONUMENT TIES:

HORIZONTAL POSITIONS OF THE FOUND MONUMENTS WERE OBTAINED USING TWO METHODS: REAL-TIME KINEMATIC (RTK) GPS MEASUREMENTS AND TERRESTRIAL OBSERVATIONS FROM HORIZONTAL CONTROL WHERE RTK WAS NOT FEASIBLE. MONUMENTS WERE OBSERVED TWICE, WITH A MINIMUM OF FORTY-FIVE MINUTES BETWEEN RTK OBSERVATIONS, AND THEN MEANING THE VALUES.

CENTERLINE RESOLUTION FOR THE SEGMENT OF STATE HIGHWAY 138 LYING IN THE NORTH HALF OF SECTION 19 IN TOWNSHIP 25 SOUTH, RANGE 5 WEST, WILLAMETTE MERIDIAN:

A BEST FIT RESOLUTION WAS UTILIZED IN ORDER TO MAINTAIN THE GEOMETRIC RELATIONSHIP AND STATIONING OF THE CENTERLINE ALIGNMENT AS SHOWN FOR STATE HIGHWAY 138 ACCORDING TO RECORD STATIONING AND CURVE DATA PER ODOT ROLL MAP 7B-12-04, DATED FEBRUARY 1952, WITH THE LATEST REVISION BEING SEPTEMBER 2017. THE CENTERLINE ALIGNMENT AND ADJACENT RIGHT-OF-WAY LINES AS SHOWN ON SAID ODOT ROLL MAP WERE CALCULATED AND ROTATED TO MONUMENTS SHOWN ON SAID ODOT ROLL MAP. MONUMENT 2087 WAS HELD AS RECORD STATION PT 1242+35.08, MONUMENT 2016, A 2 3/4" BRASS DISK IN CONCRETE AND SHOWN ON SURVEY "ST. HWY. 138-002" DOUGLAS COUNTY SURVEY RECORDS, WAS FOUND TO BEST 1258+27.52 (RECORD STATION PER SAID ODOT ROLL MAP ST 1258+27.58, 50.00 FEET LEFT OF CENTERLINE), MONUMENT 2014, A 2 3/4" BRASS DISK IN CONCRETE AND ALSO SHOWN ON SURVEY "ST HWY. 138-002", DOUGLAS COUNTY RECORDS. WAS FOUND TO BE STATION ST 1258+27.53 (RECORD STATION ST 1258+27.58, 50.00 FEET RIGHT). SEVERAL OTHER MONUMENTS SHOWN ON SAID ROLL MAP FIT REASONABLY WELL AND THEIR RELATIONSHIP BETWEEN RECORD AND MEASURED STATIONS CAN BE FOUND IN THE MONUMENT TABLE. NO MONUMENTS ON SAID ROLL MAP WERE FOUND ON THE EAST SIDE OF INTERSTATE 5. MONUMENT 2024 WAS FOUND TO BE WITHIN 0.09 FEET FOR STATIONING AND 0.04 FEET FOR OFFSET PER SURVEY NUMBER M152-76 AND MONUMENT 2033 WAS WITHIN 0.11 FEET FOR OFFSET PER SURVEY NUMBER RM 1-39. MONUMENT 2163 WAS WITHIN 0.19 FEET OF OFFSET PER ROBINSON'S SUBDIVISION. THE GEOMETRY SHOWN FOR THE CENTERLINE ALIGNMENT OF STATE HWY 138 AND CENTRAL AVENUE IS RECORD PER ODOT ROLL MAP 7B-12-04 AND WAS HELD FOR THIS SURVEY.

CENTERLINE RESOLUTION FOR COMSTOCK ROAD (COUNTY ROAD 154 AND 154A) (STATE HIGHWAY 225):

MAP "CO RD 154A" DATED OCTOBER 17, 2014, MAP "CO RD 154A" DATED MAY 29, 2015, AND SURVEY NUMBER M171-22 ARE PRECONSTRUCTION SURVEYS AND DO NOT RESOLVE A CENTERLINE RIGHT-OF-WAY OR WIDTH. MAP "CO RD 154A" DATED MAY 30, 2015 DOES HAVE A CONSTRUCTION CENTERLINE WITH A 60 FOOT ROADWAY WIDTH BUT THE CENTERLINE WAS NOT HELD. COMSTOCK ROAD SOUTH AND WEST OF HIGHWAY 138 IS BORDERED BY "PLAT-L" (THE SUTHERLIN LAND & WATER CO); SOUTH AND EAST OF THE SAID HIGHWAY BY "HIGHWAY HOMESITES" NORTH AND EAST OF THE SAID HIGHWAY BY "ROBINSON'S SUBDIVISION" AND NORTH AND WEST OF THE SAID HIGHWAY BY VARIOUS DEDDED LANDS. THE MONUMENTATION BETWEEN THE AFOREMENTIONED PLATS APPEARS TO FIT WELL WITH A 57 FOOT RIGHT OF WAY WIDTH HOWEVER ALL OF THE DOCUMENTS REFERENCED ABOVE DEPICT A 60 FOOT RIGHT OF WAY. I HELD THE MONUMENTS 2128 AND 2137 ON THE WEST SIDE OF COMSTOCK ROAD TO DETERMINE A BEST FIT ALIGNMENT THROUGH THE MONUMENTS ON BOTH SIDES OF THE ROAD. I THEN HELD THE RESULTING BEARING FOR THE CENTERLINE OF COMSTOCK ROAD AND HELD STATION 1281+00 PER THE ALIGNMENT ON ODOT ROLL MAP 07B-24-0011_01 TO DETERMINE THE INTERSECTION OF THE CENTERLINES FOR THE TWO ROADS. I THEN PROJECTED THE SAID CENTERLINE OF COMSTOCK ROAD NORTH AND SOUTH AND HELD THE RIGHT OF WAY 30 FEET ON BOTH SIDES OF THE SAID CENTERLINES. THIS RESULTS APPROXIMATELY EQUAL IMPACT TO THE PLATS AND PROPERTIES ON BOTH SIDES OF THE ROAD AND ROUGHLY EQUAL DISTRIBUTION OF THE OFFSETS OF THE MONUMENTS ALONG THE ROAD FROM CENTERLINE

REFERENCES:

ODOT RIGHT OF WAY MAPS

7B-12-04
7B-24-0011_01

DOUGLAS COUNTY SURVEYS

CS 40/163
CS 50/127
CS 65/24-12 B
M5-17
M5-18
M32-13
M36-62
M47-75
M65-14
M91-22
M171-22
M175-49
M108-49
M111-52
M112-17
M118-5
M118-7
M124-14
M137-56
M140-9
M151-10
M152-76
M163-15
M164-76
M18-15
M22-55
M44-2
M53-36
M78-22
M79-80
ST HWY 15-023A
ST HWY 15-023B
ST HWY 15-023L
ST HWY 15-023M
ST HWY 138-002
CS 55/53-3
CS 58/40-3
CO RD 154A
CS 40/444
CS 50/135

DOUGLAS COUNTY SUBDIVISION PLATS

VOL. 19 PG 22A PONDEROSA REDEVELOPMENT SUBDIVISION
VOL. 20 PG 59A OAK HILLS PLAZA
VOL. 22 PG 31 KRUSE TERRACE REPLAT
VOL. 7 PG 26 HI-WAY HOMESITES
VOL. 7 PG 66 ROBINSON'S SUBDIVISION
VOL. 9 PG 6 KRUSE TERRACE TRACTS
VOL. 9 PG 49 WEST CENTRAL TRACTS
VOL. 4 PG 57 PLAT O
VOL. 3 PG 33 PLAT L
VOL. 4 PG 14 AMENDMENT PLAT OF PLAT O

DOUGLAS COUNTY PARTITION PLATS

PP 1997-0133
PP 1999-0025
PP 2006-0102
PP 2006-0044
PP 1995-0060
PP 2007-0075
PP 2009-0037
PP 2015-0014

SHEET INDEX:

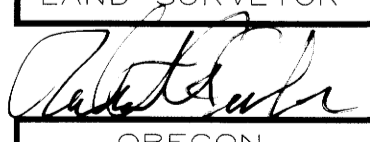
- SHEET 1: NARRATIVE AND REFERENCES
- SHEET 2: BASIS OF BEARINGS, CONTROL NETWORK SCHEMATIC AND SHEET LAYOUT
- SHEETS 3-4: PROJECT RECOVERY DRAWINGS
- SHEET 5: RECOVERED MONUMENT LIST

FILE NAME: S_K22388_CRR_SUTHERLIN.DGN




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REGISTERED
PROFESSIONAL
LAND SURVEYOR



OREGON
JANUARY 10, 2006
ROBERT R. JACKSON
47721
RENEWS: 6/30/2023

OREGON DEPARTMENT OF TRANSPORTATION
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
DOUGLAS COUNTY ADA CURB RAMPS
MILEPOSTS 24.10 TO 24.47
ELKTON - SUTHERLIN HIGHWAY
DOUGLAS COUNTY, OREGON



ODOT REGION 3 HEAD QUARTERS
3500 NW STEWART PARKWAY
ROSEBURG, OREGON 97470 KEY NO. 22388

DECEMBER 15, 2021
SCALE: NONE
SHEET 1 OF 5