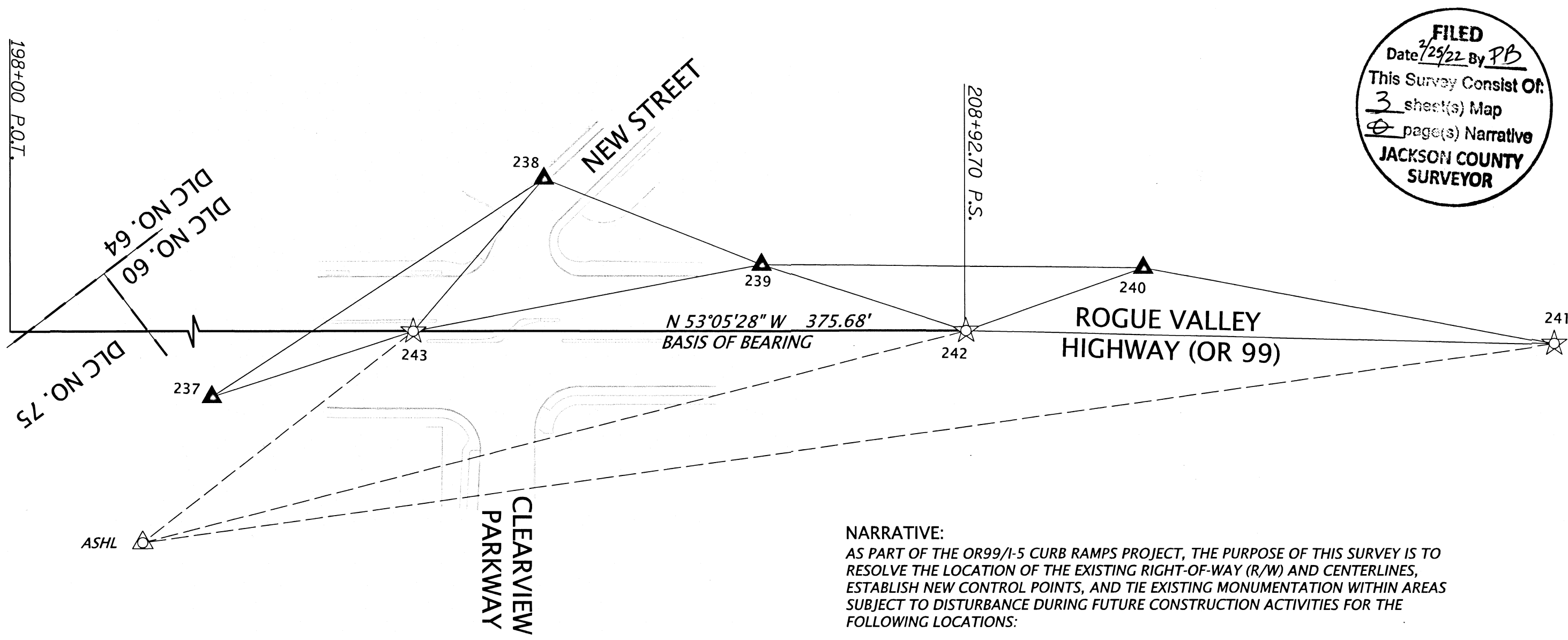


SE 1/4 SECTION 23 T38S T01W WM SW 1/4 SECTION 23 T38S T01W WM



FILED
Date 7/25/22 By PB
This Survey Consist Of:
3 sheet(s) Map
0 page(s) Narrative
JACKSON COUNTY SURVEYOR

CONTROL NARRATIVE:
EMERIO DESIGN LOCATED AND TIED EXISTING MONUMENTS USING TRIMBLE R-10 GPS RECEIVERS.

THE CONTROL NETWORK WAS ESTABLISHED IN JUNE AND SEPTEMBER 2021 USING TRIMBLE R-10 GPS RECEIVERS UTILIZING ORGN STATION "ASHL" (ASHLAND) EACH OF THE STATIONS IN THE GPS NETWORK WERE OCCUPIED TWO OR MORE TIMES.

CONTROL NETWORK POINTS #237 THROUGH #240 WERE SET AS INDICATED, #241 TO #243 ARE FOUND MONUMENTS. ALL POINTS ARE REFERENCED TO AND COORDINATE VALUES ARE FROM THE ORGN STATION "ASHL" (ASHLAND).

A CONVENTIONAL NETWORK WAS PERFORMED THROUGH SAID CONTROL NETWORK POINTS USING A TRIMBLE SX-10 TOTAL STATION HOLDING POINTS #242 AND #243, AS THE BASELINE. A "LEAST SQUARES" ADJUSTMENT USING TRIMBLE BUSINESS CENTER SOFTWARE WAS PERFORMED ON THE GPS OBSERVATIONS AND CONVENTIONAL TRAVERSE NETWORK POINT COORDINATES AND WAS CONSTRAINED TO POINTS #237, 238, AND #241.

THE RESULTING ERROR ELLIPSE SEMI-MAJOR AXIS LENGTHS AT THE 95% CONFIDENCE LEVEL FOR THE PRIMARY CONTROL STATIONS WERE LESS THAN 0.01 FEET, RELATIVE TO EACH OTHER AND THE POSITION OF HELD CONTROL.

NETWORK / CONTROL POINTS SET IN THIS SURVEY DO NOT REPRESENT PROPERTY LINES OR RIGHT OF WAY LINES. THEY ARE INTENDED TO PERPETUATE THE ALIGNMENTS AND RIGHT OF WAY DEVELOPED FOR THIS PROJECT IN CONFORMANCE WITH ORS CHAPTER 209, SECTION 155.

NARRATIVE:
AS PART OF THE OR99/I-5 CURB RAMPS PROJECT, THE PURPOSE OF THIS SURVEY IS TO RESOLVE THE LOCATION OF THE EXISTING RIGHT-OF-WAY (R/W) AND CENTERLINES, ESTABLISH NEW CONTROL POINTS, AND TIE EXISTING MONUMENTATION WITHIN AREAS SUBJECT TO DISTURBANCE DURING FUTURE CONSTRUCTION ACTIVITIES FOR THE FOLLOWING LOCATIONS:

ROGUE VALLEY HIGHWAY (OR 99): (XXX FEET WIDE)

THE CENTERLINE OF ROGUE VALLEY HIGHWAY WAS DERIVED AS A BEST FIT LINE THROUGH FOUND MONUMENTS #242, #2107, AND #243, THE TANGENT WAS PROJECTED SOUTHEASTERLY THROUGH THE INTERSECTION OF WEST VALLEY VIEW ROAD. PARALLEL LINES WERE HELD 50.00 FEET SOUTHWESTERLY AND NORTHEASTERLY FOR THE RESPECTIVE RIGHT OF WAY LINES PER ODOT MAP 5B-7-22. ADDITIONAL RIGHT OF WAY DEDICATIONS ALONG THE NORTHEASTERLY RIGHT OF WAY OF ROGUE VALLEY HIGHWAY ARE PER RECORD DISTANCES AND CURVE DATA PER THE PLAT OF CLEARVIEW OF TALENT PHASE II, JACKSON COUNTY PLAT RECORDS. STATIONING IS PER ODOT MAP 5B-7-22 AND HELD AT MONUMENT #242 BEING STATION 208+92.70 P.S.

CLEARVIEW PARKWAY: (60 FEET WIDE)

THE CENTERLINE OF CLEARVIEW PARKWAY WAS DERIVED FROM FOUND AND HELD MONUMENT #2107 MARKING THE INTERSECTION OF THE HIGHWAY AND CLEARVIEW PARKWAY AND HOLDING FOUND MONUMENT #2102 AS A 30 FOOT OFFSET TO SAID CENTERLINE. PARALLEL LINES WERE HELD 30.00 FEET NORTHWESTERLY AND SOUTHEASTERLY FOR THE RESPECTIVE RIGHT-OF-WAY LINES PER THE PLAT OF CLEARVIEW OF TALENT PHASE II. ADDITIONAL FOUND MONUMENTS #2092, #2093, AND #2103 SUPPORTED THIS RESOLUTION.

NEW STREET: (40 FEET WIDE)

THE CENTERLINE OF NEW STREET WAS DERIVED FROM FOUND AND HELD MONUMENT #243 MARKING THE INTERSECTION OF THE HIGHWAY AND NEW STREET, AND HOLDING FOUND MONUMENT #2089 AS A 20 FOOT OFFSET TO SAID CENTERLINE AND PROJECTING IT SOUTHWESTERLY. PARALLEL LINES WERE HELD 20.00 FEET NORTHERLY AND SOUTHERLY FOR THE RESPECTIVE RIGHT-OF-WAY LINES PER CS 19696. NO ADDITIONAL MONUMENTS WERE FOUND ALONG THE RIGHT-OF-WAY OR AT THE CENTER LINE OF TALENT AVENUE. STATIONING 1+00 IS ASSUMED NEAR THE INTERSECTION OF THE HIGHWAY AND NEW STREET AT MONUMENT #243.

BASIS OF BEARING AND COORDINATES:
THE BEARINGS AND COORDINATES ARE BASED ON NAD 83(2011), EPOCH 2010.00, OREGON COORDINATE REFERENCE SYSTEM (OCRS), GRANTS PASS - ASHLAND ZONE AS OBSERVED BETWEEN POINTS # 242 AND # 243, AS SHOWN HEREON AND REFERENCED TO THE ORGN AS NOTED ABOVE.

THIS SURVEY USES INTERNATIONAL FOOT.

SURVEY WORK WAS PERFORMED BY EMERIO DESIGN SURVEY CREWS IN NOVEMBER 2020 AND JUNE 2021.

SHEET INDEX:
SHEET 1: NARRATIVE, SHEET INDEX, BASIS OF BEARINGS, REFERENCES, CONTROL NETWORK, NETWORK POINT COORDINATE TABLE
SHEET 2: RETRACEMENT MAP
SHEET 3: RECOVERED MONUMENT LIST TABLE

REFERENCES:
COUNTY SURVEYS: (1) - 19696
ODOT DRAWING: (3) - DRG 5B-7-22

COUNTY PLATS: (2) - PLAT OF CLEARVIEW OF TALENT PHASE II
(4) - PLAT OF CLEARVIEW OF TALENT PHASE I

LEGEND

- ▲ SET NETWORK POINT
- △ ORGN STATION
- ☆ FOUND GPS STATION
- ▲-▲ TERRESTRIAL OBSERVATION
- △-☆ GNSS-RTK OBSERVATION
- MAIN RECOVERED ALIGNMENT
- - - APPROXIMATE DLC LINE
- - - EXISTING CURB
- - - EXISTING EDGE OF ASPHALT
- - - EXISTING EDGE OF CONCRETE
- - - EXISTING FENCE

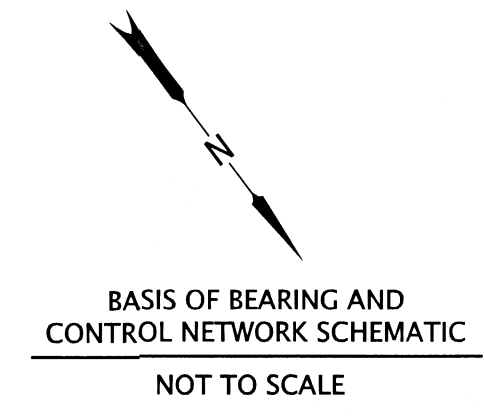
GEODETIC CONTROL TABLE - NAD 83(2011) EPOCH 20210.00

PT. NO.	LATITUDE (N)	LONGITUDE (W)	ELL. HT.
ASHL	42°10'50.47300" N	122°40'12.55241" W	1998.51
241	42°14'52.42212" N	122°47'18.05200" W	1533.23
242	42°14'49.95715" N	122°47'13.89788" W	1533.68
243	42°14'47.70958" N	122°47'09.92357" W	1531.78

NETWORK POINT COORDINATE TABLE ALL ARE FLUSH UNLESS OTHERWISE NOTED

PT. NO.	OCRS NORTHING	OCRS EASTING	DATE	DESCRIPTION
237	181399.54	312360.93	06/13/2021	SET SURV-KAP TYPE "M/M-A1 1/2" 1-1/2" ALUMINUM CAP W/ PUNCH MARKED "EMERIO DESIGN CONTROL"
238	181416.74	312091.14	06/13/2021	SET MAG NAIL W/ WASHER MARKED "EMERIO CONTROL"
239	181552.42	312008.10	06/13/2021	SET SURV-KAP TYPE "M/M-A1 1/2" 1-1/2" ALUMINUM CAP W/ PUNCH MARKED "EMERIO DESIGN CONTROL"
240	181710.20	311802.43	06/13/2021	SET SURV-KAP TYPE "M/M-A1 1/2" 1-1/2" ALUMINUM CAP W/ PUNCH MARKED "EMERIO DESIGN CONTROL"
241	181919.39	311610.23	06/13/2021	FOUND 2" ALUMINUM DISK W/ PUNCH MARKED "ODOT RESET", DOWN 0.50", CS 19696
242	181671.85	311924.28	06/13/2021	FOUND 1-1/2" BRASS DISK MARKED "ODOT CONTROL", CS 19696
243	181446.23	312224.67	06/13/2021	FOUND 2" ALUMINUM DISK MARKED "ODOT", CS 19696
ASHL	157652.58	343804.87	11/11/2020	FOUND ORGN REFERENCE STATION ASHL - ASHLAND

IR = IRON ROD
W/ = WITH
CS = COUNTY SURVEY



REGISTERED PROFESSIONAL LAND SURVEYOR

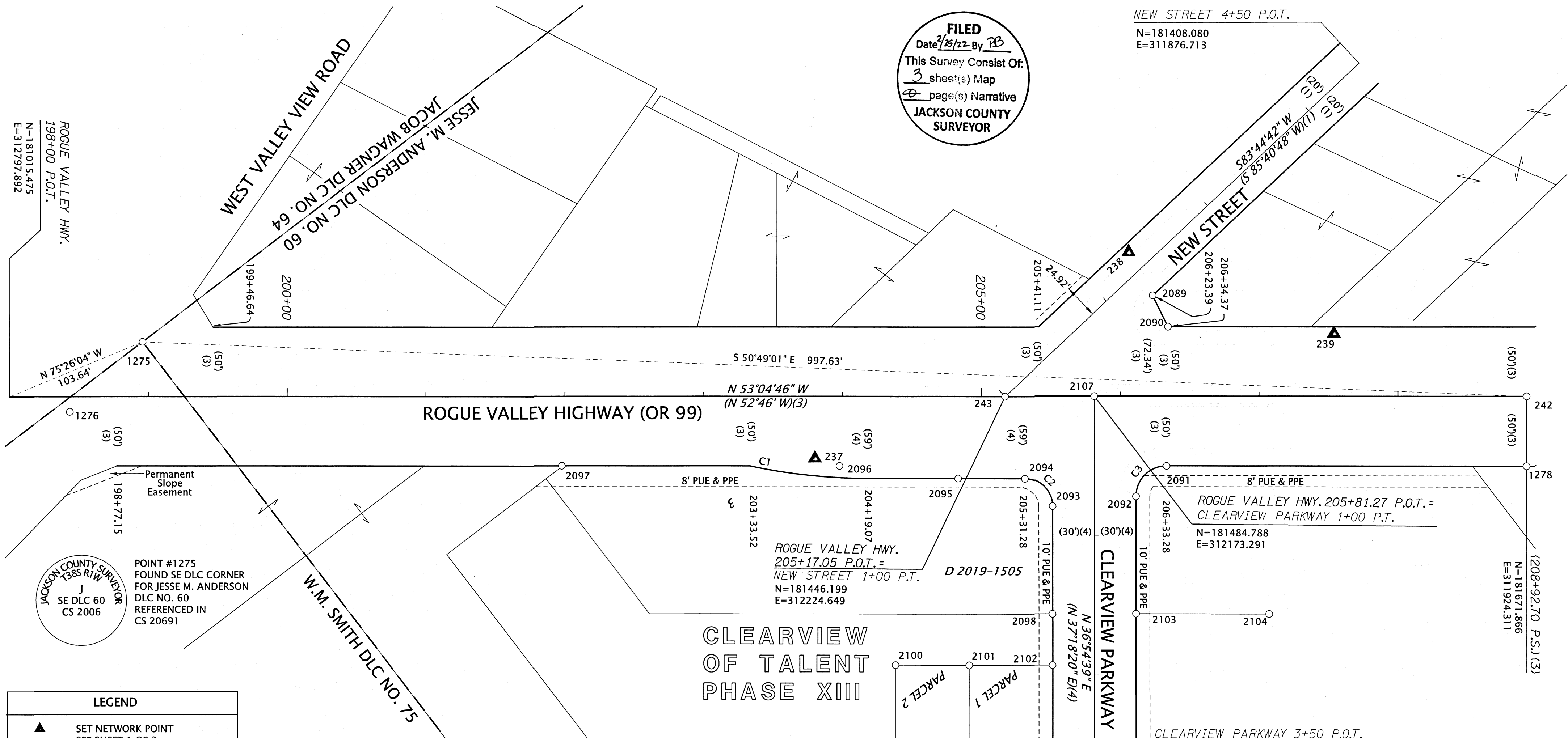
ERIC D. LYNCH
OREGON JULY 12, 2005
56544
RENEWS: 12-31-2022

EMERIO ENGINEERING • SURVEYING • DESIGN
6455 SW FALLBROOK PLACE, SUITE 100
BEAVERTON, OREGON 97008
PHONE: (503) 746-8812 WWW.EMERIODSIGN.COM

OREGON DEPARTMENT OF TRANSPORTATION
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
OR99/I-5 CURB RAMPS
ROGUE VALLEY HIGHWAY (OR 99)
AT NEW STREET
JACKSON COUNTY

ODOT REGION 3 TECH CENTER
3500 NW STEWART PARKWAY
ROSEBURG, OR 97470 KEY NO. 22389
SEPTEMBER 17, 2021
SCALE: NOT TO SCALE
SHEET 1 OF 3

SE 1/4 SECTION 23 T38S T01W WM SW 1/4 SECTION 23 T38S T01W WM



FILED
 Date 2/25/22 By PB
 This Survey Consist Of:
 3 sheet(s) Map
 1 page(s) Narrative
JACKSON COUNTY SURVEYOR

NEW STREET 4+50 P.O.T.
 N=181408.080
 E=311876.713

ROGUE VALLEY HWY.
 198+00 P.O.T.
 N=181015.475
 E=312797.892

POINT #1275
 FOUND SE DLC CORNER
 FOR JESSE M. ANDERSON
 DLC NO. 60
 REFERENCED IN
 CS 20691

JACKSON COUNTY SURVEYOR
 T38S R1W
 J
 SE DLC 60
 CS 2006

LEGEND	
▲	SET NETWORK POINT SEE SHEET 1 OF 3
○	FOUND MONUMENT SEE SHEET 3 OF 3
()	SEE REFERENCE TABLE SHEET 1 OF 3
—	MAIN RECOVERED ALIGNMENT
- - -	MINOR RECOVERED ALIGNMENT
—	RESOLVED RIGHT-OF-WAY
—	PROPERTY LINE
- - -	EASEMENT LINE
- - -	APPROXIMATE DLC LINE
- - -	EXISTING CURB
- - -	EXISTING EDGE OF ASPHALT
- - -	EXISTING EDGE OF CONCRETE
- - -	EXISTING FENCE

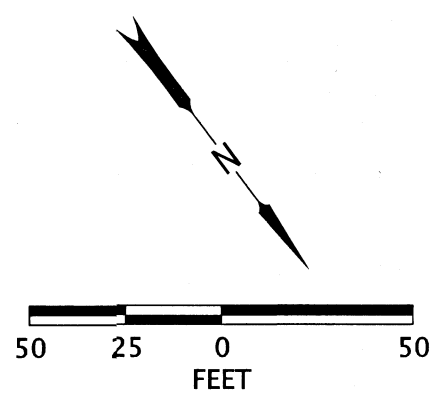
SEE SHEET 1 OF 3 FOR NETWORK POINT COORDINATE TABLE
 SEE SHEET 3 OF 3 FOR MONUMENT RECOVERY TABLES

**CLEARVIEW
 OF TALENT
 PHASE XIII**

C1 (4)
 Δ=12°00'56"
 (R=410.80')
 (L=86.15')
 CD=S 47°04'18" E (S 46°41'12" E)
 (CB=85.99')

C2 (4)
 Δ=89°59'25" (90°00'00")
 (R=20.00')
 L=31.41' (31.42')
 CD=S 08°05'04" E (N 07°41'40" W)
 (CB=28.28')

C3 (4)
 Δ=90°00'35" (90°00'00")
 (R=22.00')
 (L=34.56')
 CB=S 81°54'56" W (S 82°18'20" W)
 CD= 31.12' (31.11')



REGISTERED
 PROFESSIONAL
 LAND SURVEYOR

ERIC D. LYNCH

OREGON
 JULY 12, 2005
 ERIC D. LYNCH
 56544

RENEWS: 12-31-2022

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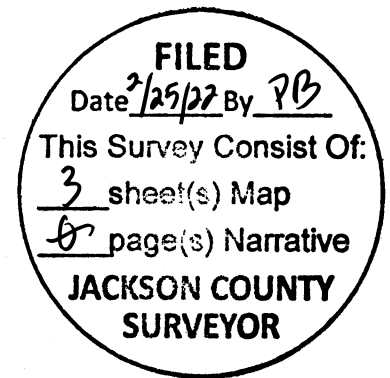
HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP
 OR99/I-5 CURB RAMPS
 ROGUE VALLEY HIGHWAY (OR 99)
 AT NEW STREET
 JACKSON COUNTY

ODOT REGION 3 TECH CENTER
 3500 NW STEWART PARKWAY
 ROSEBURG, OR 97470 KEY NO. 22389

SEPTEMBER 17, 2021
 SCALE: 1" = 50'
 SHEET 2 OF 3

S_K22208_CRR_10.DGN

SE 1/4 SECTION 23 T38S T01W WM SW 1/4 SECTION 23 T38S T01W WM



RECOVERED MONUMENT LIST, NEW STREET

ALL ARE FLUSH UNLESS OTHERWISE NOTED

W/ = WITH
CS = COUNTY SURVEY

PT. NO.	OCRS NORTHING	OCRS EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
243	181446.23	312224.67	1+00	0.00' R	06/13/2021	FOUND 2" ALUMINUM DISK MARKED "ODOT", CS 19696
2089	181452.25	312096.14	2+27.11	20.00' R	06/13/2021	FOUND 2" ALUMINUM DISK W/ PUNCH MARKED "ODOT R.O.W.", CS 19696

RECOVERED MONUMENT LIST, CLEARVIEW PARKWAY

ALL ARE FLUSH UNLESS OTHERWISE NOTED

CS = COUNTY SURVEY
IR = IRON ROD
W/ = WITH
OPC = ORANGE PLASTIC CAP
YPC = YELLOW PLASTIC CAP

PT. NO.	OCRS NORTHING	OCRS EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
2092	181560.40	312192.59	1+72.02	30.07' L	06/13/2021	FOUND MAG NAIL W/ WASHER MARKED "POLARIS LS 2883", CS 20139
2093	181529.94	312244.84	1+79.07	30.00' R	06/13/2021	FOUND 5/8" IR W/ YPC MARKED "L J FRIAR ASSOC.", UP 0.02', CS 22124
2098	181591.98	312291.54	2+56.75	30.04' R	06/13/2021	FOUND 5/8" IR W/ YPC, UNREADABLE, CS 21039
2100	181553.43	312403.98	2+93.52	143.07' R	06/13/2021	FOUND 5/8" IR W/ YPC MARKED "L J FRIAR ASSOC. PC", UP 0.10', PER PP 26-2021
2101	181585.41	312361.61	2+93.61	89.98" R	06/13/2021	FOUND 5/8" IR W/ YPC MARKED "L J FRIAR ASSOC. PC", UP 0.10', PER PP 26-2021
2102	181621.46	312313.67	2+93.61	30.00' R	06/13/2021	FOUND 5/8" IR W/ YPC MARKED "L J FRIAR ASSOC.", DOWN 0.05', PER PP 26-2021
2103	181628.04	312243.41	2+56.63	30.10' L	06/13/2021	FOUND 5/8" IR W/ OPC MARKED "PLS 2383", CS 21039
2104	181685.75	312166.78	2+56.70	126.03' L	06/13/2021	FOUND 5/8" IR W/ OPC MARKED "KAMPMANN PLS 2883", CS 21039
2107	181484.76	312173.32	1+00	0.00	06/13/2021	FOUND 2" BRASS DISK MARKED "PLS 2883 POLARIS SURVEYING", CS 20601

RECOVERED MONUMENT LIST, ROGUE VALLEY HIGHWAY (OR 99)

ALL ARE FLUSH UNLESS OTHERWISE NOTED

CS = COUNTY SURVEY
IR = IRON ROD
W/ = WITH
OPC = ORANGE PLASTIC CAP
YPC = YELLOW PLASTIC CAP
REF'D = REFERENCED

PT. NO.	OCRS NORTHING	OCRS EASTING	STATION	OFFSET	DATE	DESCRIPTION & REFERENCE DOCUMENTS
242	181671.85	311924.28	208+92.70	0.03' L	06/13/2021	FOUND 1-1/2" BRASS DISK MARKED "ODOT CONTROL", CS 19696
243	181446.23	312224.67	205+17.03	0.04' R	06/13/2021	FOUND 2" ALUMINUM DISK MARKED "ODOT", CS 19696
1275	181041.54	312697.59	198+95.85	39.42' L	11/12/2020	FOUND 2-1/2" BRASS DISK MARKED "JACKSON COUNTY SURVEYOR T38S R1W J SE DLC 60 CS 2006", REF'D IN CS 20691
1276	181050.34	312769.77	198+43.42	10.98' R	11/12/2020	FOUND 2" ALUMINUM DISK W/ PUNCH, CS 19696
1278	181711.81	311954.44	208+92.61	50.03' R	11/12/2020	FOUND 5/8" IR, DOWN 0.10', CS 19696
2090	181476.71	312100.79	206+34.37	50.01' L	06/13/2021	FOUND 2" ALUMINUM DISK W/ PUNCH MARKED "ODOT R.O.W.", CS 19696
2091	181556.12	312161.82	206+33.28	50.14' R	06/13/2021	FOUND 5/8" IR W/ OPC MARKED "KAMPMANN PLS 2883", UP 0.10', CS 20601
2094	181501.99	312248.73	205+31.29	59.07' R	06/13/2021	FOUND 5/8" IR W/ YPC, UNREADABLE, CS 22124
2095	181473.02	312287.13	204+83.19	58.97' R	06/13/2021	FOUND 5/8" IR W/ YPC MARKED "L J FRIAR ASSOC.", UP 0.04', CS 22124
2096	181414.56	312350.09	203+97.74	50.06' R	06/13/2021	FOUND 5/8" IR, CS 22124
2097	181294.34	312509.92	201+97.74	49.96' R	06/13/2021	FOUND 5/8" IR W/ YPC, UNREADABLE, CS 22124
2107	181484.77	312173.33	205+81.23	0.01' R	06/13/2021	FOUND 2" BRASS DISK MARKED "PLS 2883 POLARIS SURVEYING", CS 20601

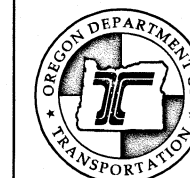
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SEPTEMBER 17, 2021
SCALE: NOT TO SCALE
SHEET 3 OF 3

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Eric D. Lynch

OREGON
JULY 12, 2005
ERIC D. LYNCH
56544

RENEWS: 12-31-2022