

SHEET INDEX:

- 1 SURVEY NARRATIVE, SHEET LAYOUT & CONTROL NARRATIVE, NETWORK DIAGRAM, SURVEY REFERENCES
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FILED

Date: 2-17-2022 By: ST
 This survey consist of:
 Map: ST HWY 42-018A&B
 Narrative: _____
 Corner Rpt: _____
 DOUGLAS COUNTY SURVEYOR

CONTROL NARRATIVE AND BASIS OF BEARINGS

ALL BEARINGS FOR THIS SURVEY ARE BASED ON THE OREGON COORDINATE REFERENCE SYSTEM (OCRS), COTTAGE GROVE - CANYONVILLE ZONE, NAD 83(2011) EPOCH 2010.00. ALL COORDINATES ARE IN INTERNATIONAL FEET UNITS.

FOUND CONTROL POINTS 511-514 AND FOUND MONUMENTATION SHOWN HEREON WERE MEASURED UTILIZING A MINIMUM OF 2 REDUNDANT 60 EPOCH GNSS OBSERVATIONS WHILE CONNECTED TO THE ORGN IN ACCORDANCE WITH ODOT'S SURVEY POLICY AND PROCEDURES MANUAL. IN THE EVENT THAT THE SKY WAS OBSTRUCTED AND A GNSS MEASUREMENT COULD NOT BE PERFORMED, ADDITIONAL CONTROL WAS SET UTILIZING THE ORGN. A TOTAL STATION WAS THEN UTILIZED TO TIE THE MONUMENT IN ACCORDANCE WITH ODOT'S POLICY AND PROCEDURE'S MANUAL. POINT NUMBER 512 WAS LATER DESTROYED BY CONSTRUCTION ACTIVITIES.

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.

CONTROL INFORMATION

SURVEY DATUM- PER OAR 734-005-015 OREGON COORDINATE REFERENCE SYSTEM (OCRS): COTTAGE GROVE - CANYONVILLE ZONE NAD83(2011) EPOCH 2010 (INTERNATIONAL FEET)

EQUIPMENT- THE FIELD WORK FOR THIS PROJECT WAS INITIATED IN JULY OF 2019 AND CARRIED ON INTERMITTENTLY THROUGH JANUARY OF 2022. 2 LEICA GS14 GNSS RECEIVERS, 2 LEICA CS20 DATA COLLECTORS, 1 LEICA CS15 DATA COLLECTOR AND 1 LEICA TS16 TOTAL STATION WERE UTILIZED TO PERFORM THE FIELD WORK.

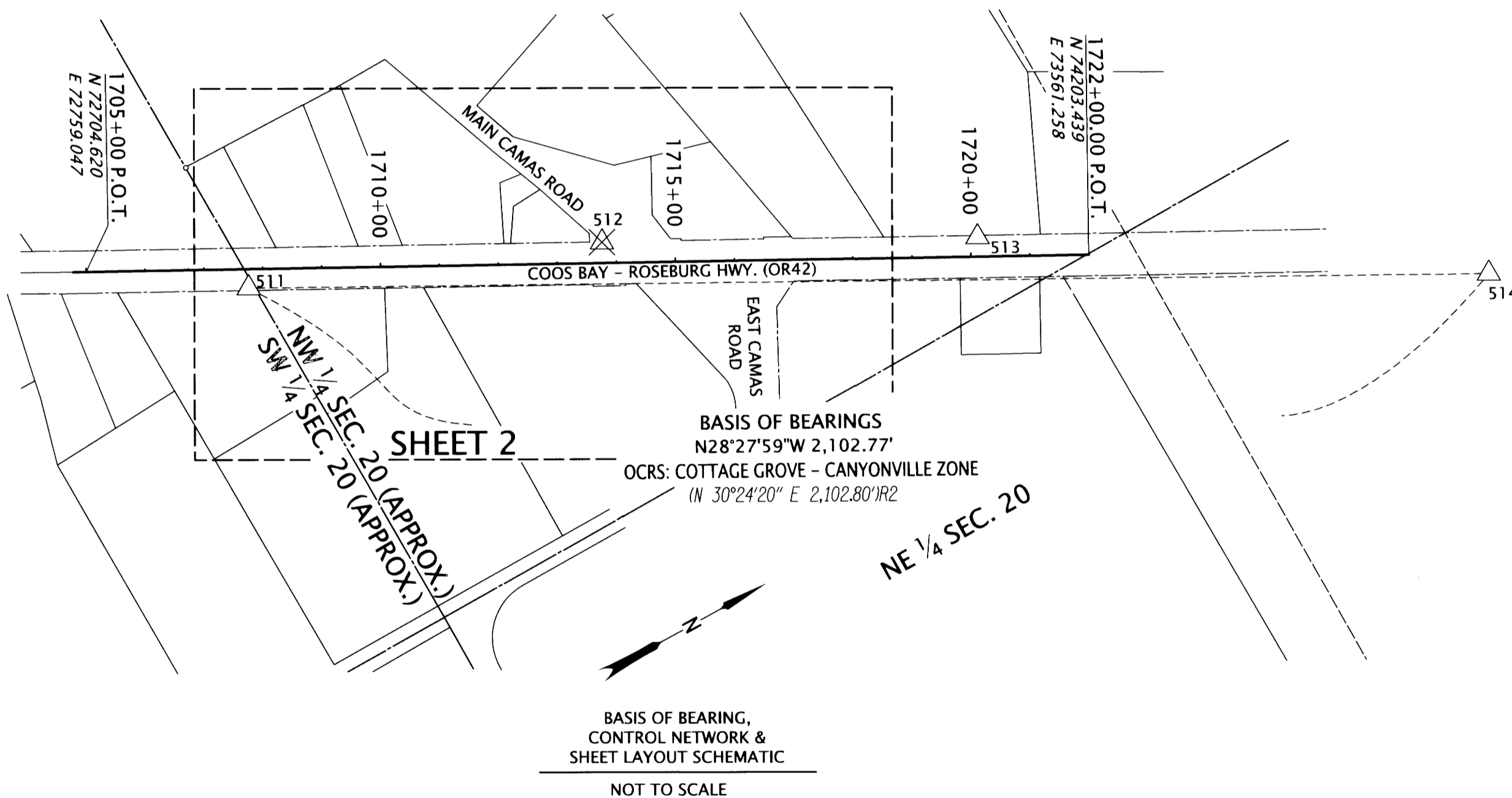
SURVEY NARRATIVE

THIS SURVEY WAS MADE AS A RESULT OF THE OREGON DEPARTMENT OF TRANSPORTATION'S OR 42/US101/OR42S CURB RAMPS PROJECT. THE PURPOSE OF THIS SURVEY IS TO RECORD THE POSITIONS OF MONUMENTS OF RECORD, RESOLVE THE EXISTING RIGHT OF WAY (R/W) CENTERLINES, AND DEFINE THE EXISTING RIGHT OF WAY LINES. AS WELL AS TO MONUMENT THE RIGHT-OF-WAY ACQUIRED BY THE STATE OF OREGON IN INSTRUMENT NO.'S 2021-002178 & 2021-002588, OF THE OFFICIAL RECORDS OF DOUGLAS COUNTY, OREGON, AND AS SHOWN ON ODOT ROLL MAP NUMBER RW9614M. AS A PART OF THIS SURVEY, A POST CONSTRUCTION INVENTORY OF THE CONDITION OF THE ORIGINAL MONUMENTS AND CONTROL, WITHIN THE IMPACT OF THE PROJECT'S CONSTRUCTION ZONE, WAS COMPLETED AS SHOWN HEREON. THIS SURVEY PERPETUATES THE ALIGNMENT AND RIGHT-OF-WAY DEVELOPED FOR THE PROJECT IN CONFORMANCE WITH ORS CHAPTER 209, SECTION 155. THE CENTERLINE ALIGNMENT, REFERRED TO AS THE "RELOCATED COOS BAY - ROSEBURG HIGHWAY", IN SAID INSTRUMENT NO.'S 2021-002178 & 2021-002588, AND SHOWN ON SAID ODOT ROLL MAP RW9614M ARE IDENTICAL. MONUMENTS WERE THEN SET PER SAID INSTRUMENT NO.'S 2021-002178 AND 2021-002588, AND SAID ODOT ROLLMAP NUMBER RW9614M AS SHOWN HEREON.

THE SCOPE OF THIS PROJECT IS FOR PROPOSED ADA UPGRADES IN CAMAS VALLEY OREGON AT THE INTERSECTIONS OF MAIN CAMAS ROAD, EAST CAMAS ROAD AND THE COOS BAY - ROSEBURG HIGHWAY (OR 42). ORIGINALLY ODOT HAD IMPROVEMENT PROJECTS IN THIS SAME AREA. SURVEYS AND ACQUISITIONS TOOK PLACE AS EVIDENCED BY ODOT MAP NO. 9B-30-17 AS WELL AS A CONTROL, RECOVERY AND RETRACEMENT SURVEY FILED AS ST. HWY. 42-013 IN THE OFFICE OF THE DOUGLAS COUNTY SURVEYOR.

PER SAID SURVEYS, EXISTING GPS AND NETWORK POINT NUMBERS 511-514 AS WELL AS FOUND MONUMENT NUMBERS 1008-1012 AND 1501 WERE TIED WITH 2 INDEPENDENT 60 EPOCH ORGN OBSERVATIONS SEPARATED BY AT LEAST 30 MINUTES. THIS ESTABLISHED A MECHANISM TO MOVE THE OLD SURVEY DATA ONTO THE CURRENT OCRS COORDINATES VALUES. THE NEW TIES FIT THE RELATIVE RECORDS VALUES OF THE CONTROL AND MONUMENTS VERY WELL. UTILIZING SAID NEW TIES THE LINE WORK WAS MOVED TO THE NEW COORDINATE SYSTEM AND CHECKED FOR COMPLETENESS AND UPDATED TO CURRENT MAPPING STANDARDS. ALL FOUND OR SET MONUMENTS PER SAID SURVEYS WERE ASSIGNED NEW COORDINATE VALUES AND IF DISTURBED COULD BE RESET IN THEIR ORIGINAL LOCATION BASED ON THIS SURVEY. ALL MONUMENTS TIED FIT WELL WITH THE RECORD LOCATIONS AND WERE USED TO VERIFY THE RESOLUTION OF THE HIGHWAY CENTERLINE. POINT NUMBERS 1008 AND 514 SPECIFICALLY WERE HELD TO CONTROL THE TANGENT AND STATIONING AT POINT NUMBER 1008 WAS HELD AT 1713+55.21, 35.95' LEFT OF CENTERLINE PER SAID SURVEY NUMBER ST. HWY. 42-013.

RESEARCH WAS PERFORMED AROUND THE INTERSECTIONS WHERE THE ADA WORK WILL OCCUR TO ENSURE THAT THERE HAVE BEEN NO CHANGES OR UPDATES TO THE CENTERLINE OR RIGHT-OF-WAY LINES SINCE THE TIME OF SAID SURVEYS. A SEARCH WAS ALSO MADE FOR ANY RECORD MONUMENTATION THAT HAS BEEN SET IN THE AREA SINCE THE TIME OF SAID SURVEY. ANY POINTS AT RISK OF DISTURBANCE BY CONSTRUCTION ACTIVITIES WERE TIED TO THE CURRENT COORDINATE SYSTEM PRIOR TO CONSTRUCTION AND FOUND OR RESET AS NOTED HEREON.



LEGEND	
△	FOUND NETWORK POINT
⊗	DESTROYED NETWORK POINT, TIED PRIOR TO DESTRUCTION
(R2)	RECORD INFO PER ST. HWY. 42-013 A-K

REFERENCE DOCUMENTS USED:
 ODOT DRG. RW9614M, C.S. 42-013 & 9B-30-17

R/W DEEDS USED FOR MONUMENTATION:
 INSTRUMENT NO.'S 2021-002178 & 2021-002588

CONTROL POINT COORDINATE TABLE

PT. NO.	STATION	OFFSET	OCRS NORTHING	OCRS EASTING	DATE	DESCRIPTION	REFERENCE DOCUMENT
511	1707+75.97	31.99	72932.84	72917.48	12/13/2019	FD 1" BRASS PLUG "ODOT CONTROL 511", FLUSH IN SIDEWALK	ST HWY 42-013
512	1713+76.24	-35.16	73493.75	73141.54	12/13/2019	FD HOLE IN SIDE WALK, 1" BRASS PLUG & SLEEVE MISSING - DESTROYED	ST HWY 42-013
513	1720+11.54	-33.07	74052.89	73443.17	12/13/2019	FD STEM FROM 1" BRASS PLUG, TOP MISSING, FLUSH	ST HWY 42-013
514	1728+78.70	43.35	74781.37	73919.75	12/13/2019	FD 5/8" IRON ROD W/ 1-1/2" BRASS CAP "ODOT CONTROL 514", DN 0.3'	ST HWY 42-013

REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON
 JULY 12, 2005
 LOGAN THOMAS MILES
 65452

EXPIRES: 12/31/2022
 Signed: 2/16/2022

OREGON DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY MONUMENTATION SURVEY
 OR42/US101/OR42S: CURB RAMPS (CAMAS)
 DOUGLAS COUNTY

ODOT REGION 3 TECH CENTER
 3500 NW STEWART PARKWAY
 ROSEBURG, OR 97470 KEY NO. 22143

FEBRUARY 16, 2022
 NO SCALE
 SHEET 1 OF 2