

SE 1/4 SECTION 18, TOWNSHIP 1 SOUTH, RANGE 10 EAST, W.M.  
SW 1/4 SECTION 18, TOWNSHIP 1 SOUTH, RANGE 10 EAST, W.M.

HOOD RIVER COUNTY  
SURVEYOR'S OFFICE

SURVEY NO. 2025029

FILED: 7/10/2025

BY: AK

**NARRATIVE:**

**PURPOSE:**

THE PURPOSE OF THIS SURVEY IS TO RESOLVE THE LOCATION OF THE EXISTING RIGHT-OF-WAY, ESTABLISH PERMANENT HORIZONTAL CONTROL, AND RECOVER MONUMENTS THAT MAY BE DISTURBED BY FUTURE CONSTRUCTION FOR A PROPOSED OREGON DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION PROJECT: EVANS CREEK CULVERT REPLACEMENT (KEY NO. 23057). THIS PROJECT IS NOT LOCATED ON A STATE HIGHWAY, BUT IS INSTEAD LOCATED AT THE INTERSECTION OF EVANS CREEK AND EVANS CREEK ROAD. PROPERTY BOUNDARIES HAVE NOT BEEN RESOLVED IN THIS SURVEY BUT ARE SHOWN PER DEED, SURVEY OR OTHER AVAILABLE REFERENCE DATA. THIS SURVEY MEETS THE REQUIREMENTS OF ORS 209.155. FIELD WORK FOR THIS PROJECT WAS PERFORMED BETWEEN JUNE 2024 AND OCTOBER 2024.

**PROJECT CONTROL:**

THE CONTROL NETWORK FOR THIS PROJECT WAS CREATED BY ESTABLISHING THREE RAPID-STATICALLY OBSERVED GLOBAL POSITIONING SATELLITE (GPS) POINTS AT THE PROJECT SITE USING THE OREGON COORDINATE REFERENCE SYSTEM (OCRS) HOLDING STATIONS STEVENSON, WASHINGTON (SKCO), PARKDALE (PKDL), AND WARMSPRINGS (WMSG). ADDITIONAL NETWORK POINTS WERE SET USING TERRESTRIAL EQUIPMENT AND THEN A LEAST SQUARES ADJUSTMENT WAS RUN USING STARNET. COORDINATES ARE PROJECTED TO THE OCRS ZONE DUFUR-MADRAS, INTERNATIONAL FEET. POSITIONAL ACCURACIES PUBLISHED ARE RELATIVE TO THE FIXED POINTS AND ARE STATED AT THE 95% CONFIDENCE LEVEL. CONTROL POINTS HAVE NO RELATIONSHIP TO PROPERTY LINES. SUPPORTING DATA FOR THE NETWORK IS LOCATED AT THE ADDRESS BELOW.  
OCRS ZONE PROJECTION PARAMETERS ARE REFERENCED IN OAR 734-005-0015. HORIZONTAL DATUM IS NAD 83 (2011) EPOCH 2010.00. ALL LINEAR VALUES ARE EXPRESSED IN INTERNATIONAL FEET. GRID DISTANCES CLOSELY MATCH GROUND DISTANCES.

**ALIGNMENT RECOVERY:**

THE LOCATION OF EVANS CREEK ROAD WAS FORMALLY ACQUIRED BY THE COUNTY IN 1916 (ROAD FILE 92) AND THE LOCATION OF THE CURRENT ROAD DOES NOT MATCH THE LOCATION DESCRIBED IN THE COUNTY DOCUMENTS. COUNTY SURVEY CS-0167 IS EVIDENCE THAT THE ROAD WAS RE-ALIGNED IN 1941, BUT NO EVIDENCE WAS FOUND THAT THE COUNTY WENT THROUGH A FORMAL ACQUISITION PROCESS FOR THIS NEW ROAD LOCATION. PURSUANT TO ORS 368.201(2)(a) AND 368.201(3), THIS ROAD QUALIFIES FOR LEGALIZATION AND THIS SURVEY SHALL FULFILL THE REQUIREMENTS SET FORTH IN ORS 368.206(a).

ALIGNMENT "EC" (EVANS CREEK ROAD) WAS CREATED USING DATA FROM "SKETCH OF EVANS CR. ROAD CHANGE" CS-0167. TANGENT LENGTHS WERE ADJUSTED TO FIT THE LOCATION OF THE EXISTING ROAD. CURVE RADII WERE HELD FROM SAID SURVEY AND THE CURVE STARTING AT 26+29.35 WAS SHORTENED TO INTERSECT THE WESTERLY LINE OF THE SOUTH-EAST 1/4, SECTION 18. THIS ALIGNMENT WAS ROTATED SO THAT THE INITIAL TANGENT WOULD BE PARALLEL AND COINCIDENT WITH THE NORTHERLY LINE OF THE SOUTH-EAST 1/4 OF THE SOUTH-EAST 1/4, SECTION 18 WITH A BEARING OF NORTH 89°08'37" WEST. A RIGHT-OF-WAY WIDTH OF 40 FEET, 20 FEET EITHER SIDE OF CENTERLINE, WAS HELD FOR THE WIDTH OF EVANS CREEK ROAD, AS THIS IS THE WIDTH OF THE ORIGINALLY DEDICATED EVANS CREEK ROAD.

CLEAR CREEK ROAD, LAURANCE LAKE ROAD, AND COOPER SPUR ROAD ARE SHOWN ON THIS SURVEY BUT THEIR LOCATION WAS NOT RESOLVED, NOR WAS ANY RESEARCH DONE REGARDING THE FORMALIZATION OF THESE ROADS.

**MONUMENT NOTES AND QUALITY CONTROL:**

A SEARCH FOR SURVEY MONUMENTS WAS MADE WITHIN THE PROJECT LIMITS. THE HORIZONTAL POSITIONS OF FOUND MONUMENTS WERE ESTABLISHED BY USING ONE OF TWO METHODS. FIRST BY USING REAL-TIME KINETIC (RTK) GPS MEASUREMENTS BASED ON THE OCRS, DUFUR-MADRAS ZONE. FOUND MONUMENTS WERE OBSERVED TWICE AT GREATER THAN 30 MINUTE INTERVALS BETWEEN OBSERVATIONS, AND THOSE COORDINATE VALUES WERE THEN AVERAGED. SECOND, IN AREAS WHERE RTK MEASUREMENTS COULD NOT BE COLLECTED, TERRESTRIAL MEASUREMENTS WERE USED. MONUMENTS WERE LOCATED FROM HORIZONTAL CONTROL WITH BOTH AHEAD AND BACK OBSERVATIONS, HOLDING THE CONTROL NETWORK. BLUNDER CHECKS WERE ALSO PERFORMED AT THE TIME OF EACH OBSERVATION.

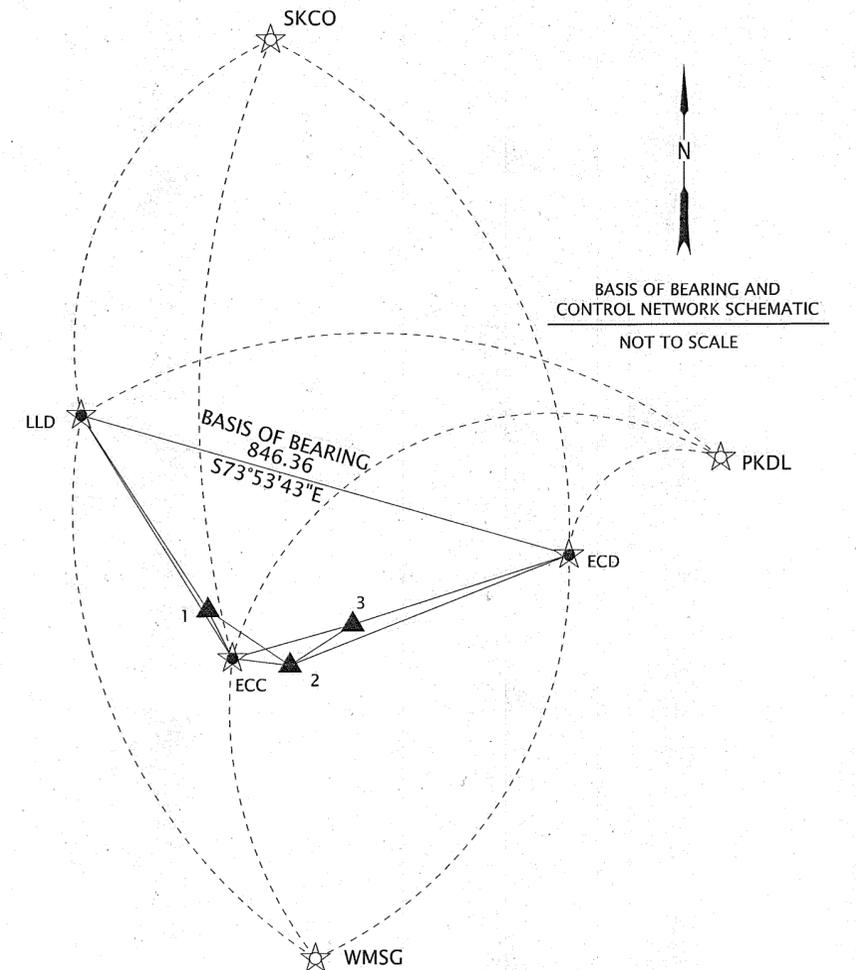
THE TOTAL STATION WAS CHECKED FOR CALIBRATION AND COLLIMATION PRIOR TO EXECUTING THE NETWORK. A COPY OF THE ORIGINAL FIELD NOTES ARE ON FILE AT THE ADDRESS LISTED BELOW.

**INSTRUMENTS USED:**

LEICA GS-18	SERIAL NUMBER: 3623196
LEICA GS-18	SERIAL NUMBER: 3628180
LEICA GS-18	SERIAL NUMBER: 3628033
LEICAS TS-16	SERIAL NUMBER: 3012120

**DOCUMENT REFERENCE:**

- HOOD RIVER COUNTY SURVEYS (CS):  
CS 0166, CS 0169, CS 1972-015, CS 1975-095 CS 1976-002, CS 1976-064, CS 1977-075, CS 1980-020, CS 1981-081, CS 2004-023, CS 2004-047
- HOOD RIVER COUNTY DEEDS:  
70-0069, 2001-1158, 2004-4405, 2020-05566
- HOOD RIVER COUNTY CORNER CARDS:  
032, 261, 525, 530, 682
- SURVEY SHEET INDEX:  
SHEET 1: NARRATIVE, PROJECT CONTROL, AND BASIS OF BEARING  
SHEET 2: SECTION 18 AND SHEET LAYOUT  
SHEET 3-4: RECOVERY SURVEY



NAD 83 (2011) EPOCH 2010.00 OCRS DUFUR-MADRAS ZONE

POINT NUMBER	OCRS NORTHING	OCRS EASTING	DESCRIPTION
1	357,120.332	109,562.213	SET 5/8" X 30" IRON ROD WITH BRASS CAP STAMPED "1"
2	357,027.566	109,698.829	SET 5/8" X 30" IRON ROD WITH BRASS CAP STAMPED "2"
3	357,095.922	109,803.664	SET 5/8" X 30" IRON ROD WITH BRASS CAP STAMPED "3"
ECC	357,039.767	109,602.921	SET 5/8" X 30" IRON ROD WITH BRASS CAP STAMPED "ECC"
ECD	357,211.535	110,165.043	SET 5/8" X 30" IRON ROD WITH BRASS CAP STAMPED "ECD"
LLD	357,446.312	109,351.895	SET 5/8" X 30" IRON ROD WITH BRASS CAP STAMPED "LLD"

**LEGEND**

- ☆ OREGON REAL-TIME GNSS NETWORK (ORGN) STATION
- ★ SET G.P.S. CONTROL STATION AS NOTED
- ▲ SET NETWORK CONTROL STATION AS NOTED
- - - GNSS OBSERVATION LINE
- TERRESTRIAL OBSERVATION LINE

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

*John Karl*

OREGON  
SEPTEMBER 14, 2021  
JOHN KARL  
90989LS

RENEWS: 06-30-2025

**OREGON DEPARTMENT OF TRANSPORTATION**

HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP  
EVANS CREEK CULVERT  
KEY NUMBER 23057  
HOOD RIVER COUNTY

ODOT REGION 1 TECH CENTER  
123 NW FLANDERS STREET  
PORTLAND, OR 97209

JANUARY 14, 2025  
SCALE: NOT TO SCALE  
SHEET 1 OF 4

CS# 2025029

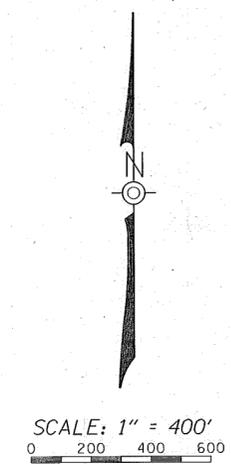
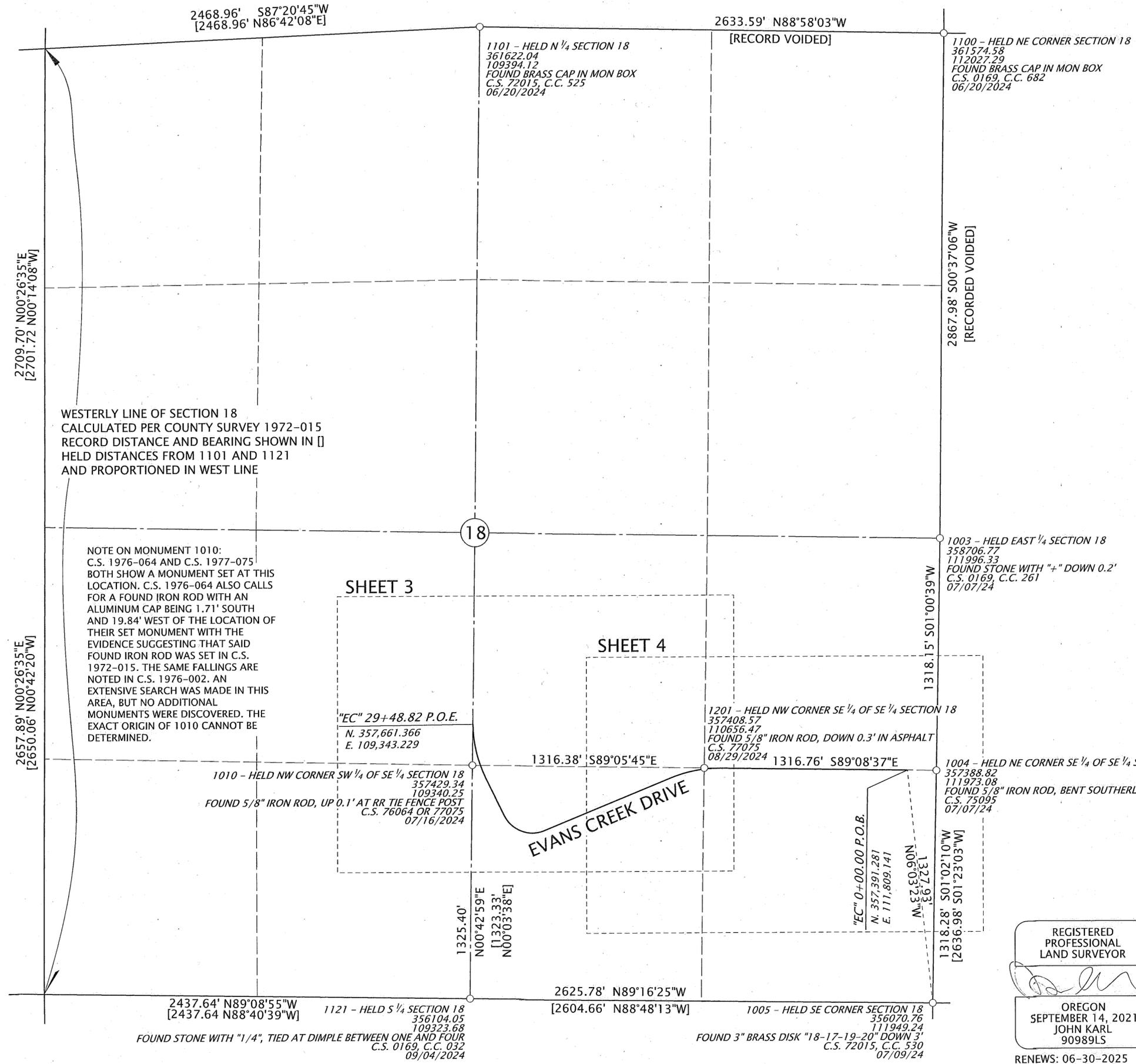
SECTION 18, TOWNSHIP 1 SOUTH, RANGE 10 EAST, W.M.

HOOD RIVER COUNTY  
SURVEYOR'S OFFICE

SURVEY NO. 205029

FILED: 7/10/2025

BY: ML



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- SIXTEENTH SECTION LINE
- FOUND MONUMENT AS NOTED

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

*John Karl*

OREGON  
SEPTEMBER 14, 2021  
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ODOT REGION 1 TECH CENTER  
123 NW FLANDERS STREET  
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JANUARY 14, 2025  
SCALE: 1"=400'  
SHEET 2 OF 4

CS# 205029

SE 1/4 SECTION 18, TOWNSHIP 1 SOUTH, RANGE 10 EAST, W.M.  
 SW 1/4 SECTION 18, TOWNSHIP 1 SOUTH, RANGE 10 EAST, W.M.

HOOD RIVER COUNTY  
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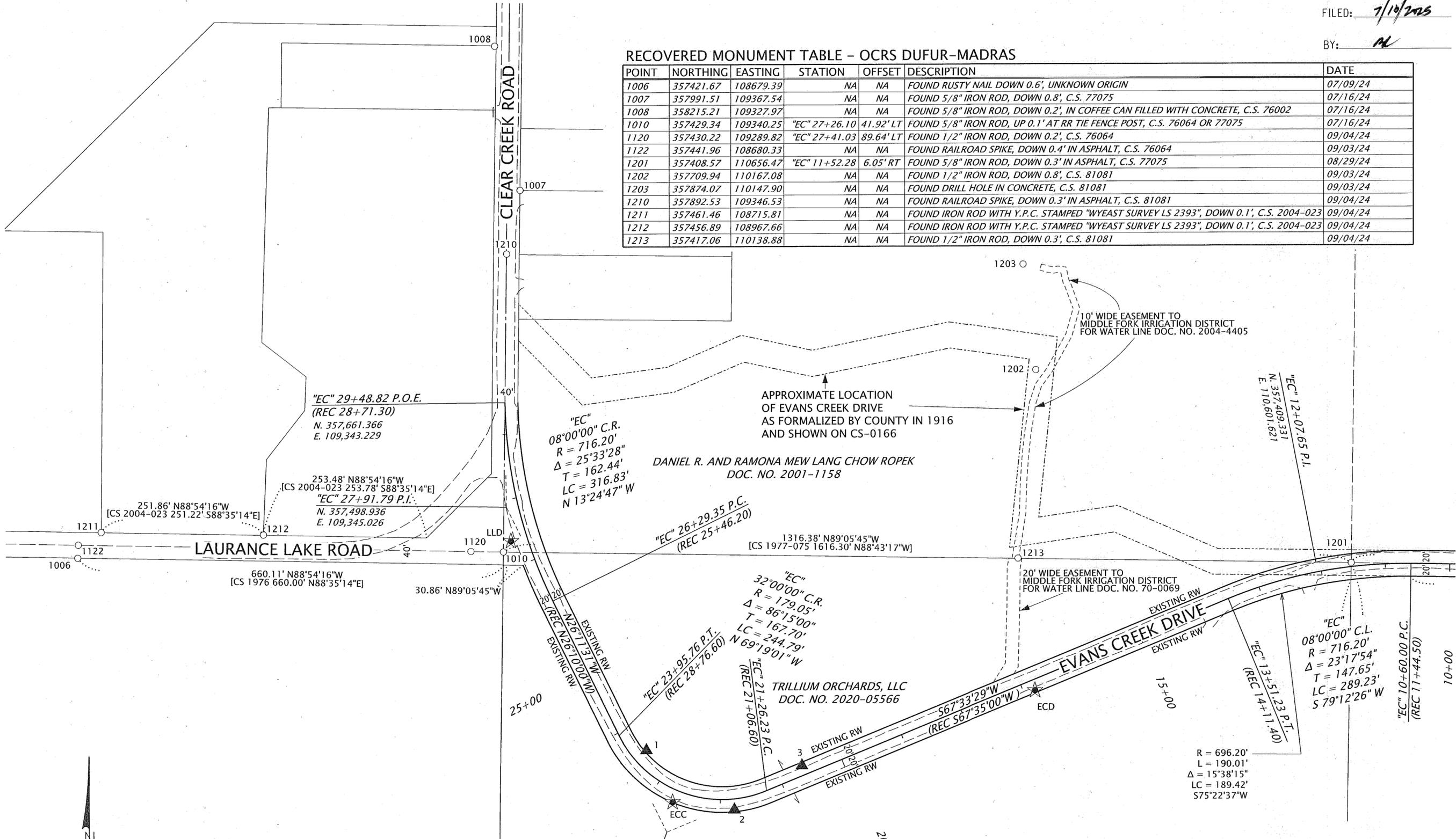
SURVEY NO. 2025029

FILED: 7/10/2025

BY: AL

RECOVERED MONUMENT TABLE - OCRS DUFUR-MADRAS

POINT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	DATE
1006	357421.67	108679.39	NA	NA	FOUND RUSTY NAIL DOWN 0.6', UNKNOWN ORIGIN	07/09/24
1007	357991.51	109367.54	NA	NA	FOUND 5/8" IRON ROD, DOWN 0.8', C.S. 77075	07/16/24
1008	358215.21	109327.97	NA	NA	FOUND 5/8" IRON ROD, DOWN 0.2', IN COFFEE CAN FILLED WITH CONCRETE, C.S. 76002	07/16/24
1010	357429.34	109340.25	"EC" 27+26.10	41.92' LT	FOUND 5/8" IRON ROD, UP 0.1' AT RR TIE FENCE POST, C.S. 76064 OR 77075	07/16/24
1120	357430.22	109289.82	"EC" 27+41.03	89.64' LT	FOUND 1/2" IRON ROD, DOWN 0.2', C.S. 76064	09/04/24
1122	357441.96	108680.33	NA	NA	FOUND RAILROAD SPIKE, DOWN 0.4' IN ASPHALT, C.S. 76064	09/03/24
1201	357408.57	110656.47	"EC" 11+52.28	6.05' RT	FOUND 5/8" IRON ROD, DOWN 0.3' IN ASPHALT, C.S. 77075	08/29/24
1202	357709.94	110167.08	NA	NA	FOUND 1/2" IRON ROD, DOWN 0.8', C.S. 81081	09/03/24
1203	357874.07	110147.90	NA	NA	FOUND DRILL HOLE IN CONCRETE, C.S. 81081	09/03/24
1210	357892.53	109346.53	NA	NA	FOUND RAILROAD SPIKE, DOWN 0.3' IN ASPHALT, C.S. 81081	09/04/24
1211	357461.46	108715.81	NA	NA	FOUND IRON ROD WITH Y.P.C. STAMPED "WYEAST SURVEY LS 2393", DOWN 0.1', C.S. 2004-023	09/04/24
1212	357456.89	108967.66	NA	NA	FOUND IRON ROD WITH Y.P.C. STAMPED "WYEAST SURVEY LS 2393", DOWN 0.1', C.S. 2004-023	09/04/24
1213	357417.06	110138.88	NA	NA	FOUND 1/2" IRON ROD, DOWN 0.3', C.S. 81081	09/04/24



**LEGEND**

- FOUND MONUMENT AS NOTED
- ★ SET G.P.S. CONTROL STATION AS NOTED ON SHEET 1 OF 4
- ▲ SET NETWORK CONTROL STATION AS NOTED ON SHEET 1 OF 4
- CENTER LINE
- - - EXISTING EDGE OF PAVEMENT
- C.S. COUNTY SURVEY
- C.C. CORNER CARD
- Y.P.C. YELLOW PLASTIC CAP

SCALE: 1" = 100'  
 0 50 100 150

REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

*John Karl*

OREGON  
 SEPTEMBER 14, 2021  
 JOHN KARL  
 90989LS

RENEWS: 06-30-2025

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HORIZONTAL CONTROL, RECOVERY AND RETRACEMENT MAP

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KEY NUMBER 23057

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 123 NW FLANDERS STREET  
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JANUARY 14, 2025  
 SCALE: 1" = 100'  
 SHEET 3 OF 4

SEE SHEET 4 OF 4

CS# 2025029

SE 1/4 SECTION 18, TOWNSHIP 1 SOUTH, RANGE 10 EAST, W.M.  
 SW 1/4 SECTION 18, TOWNSHIP 1 SOUTH, RANGE 10 EAST, W.M.

HOOD RIVER COUNTY  
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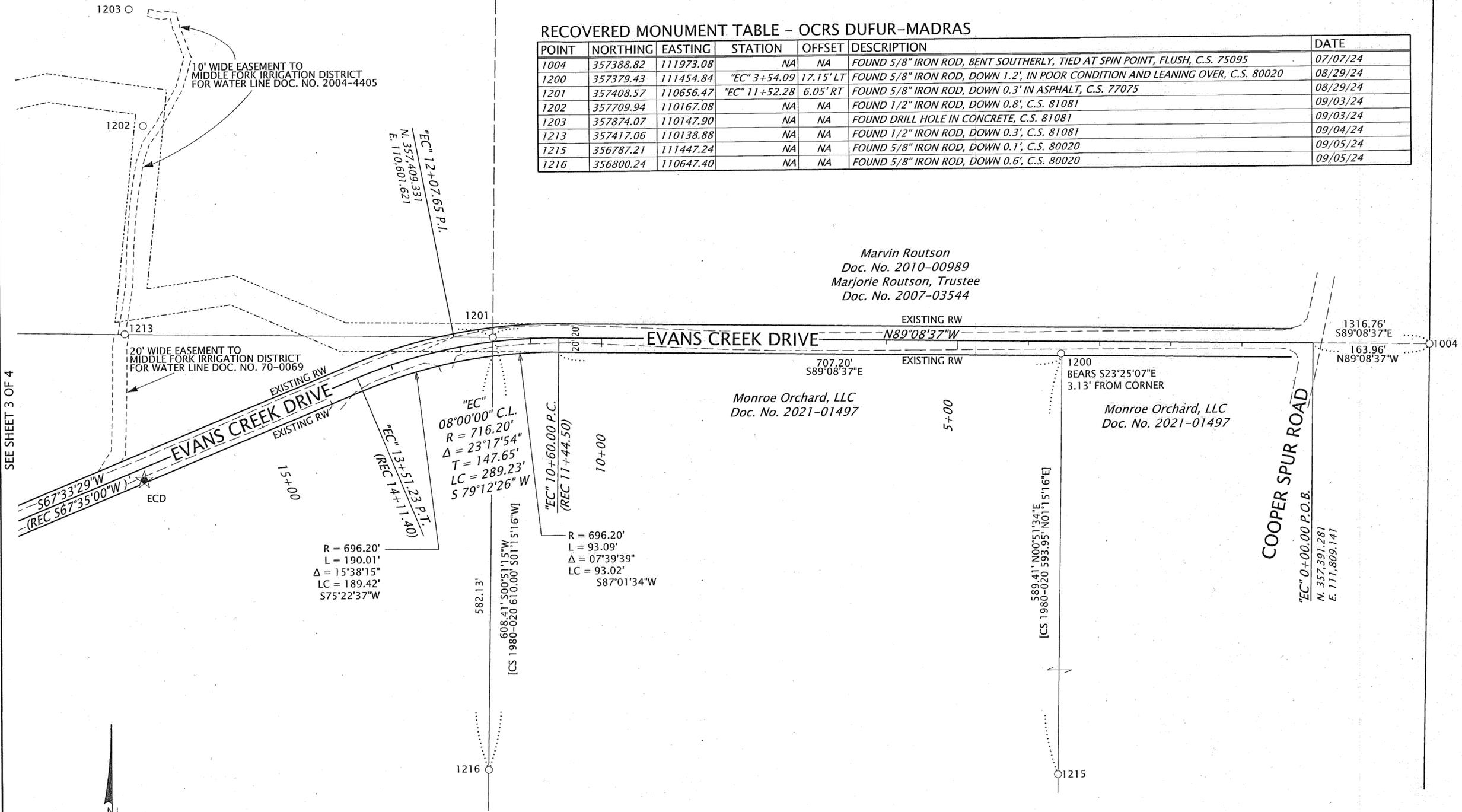
SURVEY NO. 205029

FILED: 7/10/2025

BY: JK

RECOVERED MONUMENT TABLE - OCRS DUFUR-MADRAS

POINT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	DATE
1004	357388.82	111973.08	NA	NA	FOUND 5/8" IRON ROD, BENT SOUTHERLY, TIED AT SPIN POINT, FLUSH, C.S. 75095	07/07/24
1200	357379.43	111454.84	"EC" 3+54.09	17.15' LT	FOUND 5/8" IRON ROD, DOWN 1.2', IN POOR CONDITION AND LEANING OVER, C.S. 80020	08/29/24
1201	357408.57	110656.47	"EC" 11+52.28	6.05' RT	FOUND 5/8" IRON ROD, DOWN 0.3' IN ASPHALT, C.S. 77075	08/29/24
1202	357709.94	110167.08	NA	NA	FOUND 1/2" IRON ROD, DOWN 0.8', C.S. 81081	09/03/24
1203	357874.07	110147.90	NA	NA	FOUND DRILL HOLE IN CONCRETE, C.S. 81081	09/03/24
1213	357417.06	110138.88	NA	NA	FOUND 1/2" IRON ROD, DOWN 0.3', C.S. 81081	09/04/24
1215	356787.21	111447.24	NA	NA	FOUND 5/8" IRON ROD, DOWN 0.1', C.S. 80020	09/05/24
1216	356800.24	110647.40	NA	NA	FOUND 5/8" IRON ROD, DOWN 0.6', C.S. 80020	09/05/24



SEE SHEET 3 OF 4

Marvin Routson  
 Doc. No. 2010-00989  
 Marjorie Routson, Trustee  
 Doc. No. 2007-03544

Monroe Orchard, LLC  
 Doc. No. 2021-01497

Monroe Orchard, LLC  
 Doc. No. 2021-01497

**LEGEND**

- FOUND MONUMENT AS NOTED
- ★ SET G.P.S. CONTROL STATION AS NOTED ON SHEET 1 OF 4
- ▲ SET NETWORK CONTROL STATION AS NOTED ON SHEET 1 OF 4
- CENTER LINE
- - - EXISTING EDGE OF PAVEMENT
- C.S. COUNTY SURVEY
- C.C. CORNER CARD
- Y.P.C. YELLOW PLASTIC CAP

SCALE: 1" = 100'

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 SHEET 4 OF 4

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