

RECORD OF SURVEY
IMPROVEMENTS TO COUNTY ROAD NO. 1405, YELLOW JACKET ROAD
 LOCATED IN THE SE 1/4 OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 31 EAST, W.M., UMATILLA COUNTY, OREGON

NARRATIVE

THE PURPOSE OF THIS SURVEY IS TO ESTABLISH WORKING LIMITS AND PROVIDE DESCRIPTION OF THE PROPOSED EXCAVATION SITE OF A ROCK OUTCROPPING ADJACENT TO A SHARP CURVE IN YELLOW JACKET ROAD. THE SITE HAS BEEN A LONG STANDING SAFETY ISSUE AND THE PUBLIC HAS REQUESTED A PERMANENT SOLUTION. THE PROPOSAL IS TO REMOVE THE ROCK, ALLOWING FOR INCREASED SIGHT DISTANCE AND WIDER LANES. THE LANDOWNER HAS AGREED TO THIS PROPOSAL WHERE THE DESCRIPTION AND SURVEY MAP WILL BE USED IN CONSTRUCTING THE NECESSARY AGREEMENTS.

IN ORDER TO ESTABLISH OUR WORKING LIMITS THE LINE BETWEEN SECTIONS 3 AND 10 NEEDED TO BE IDENTIFIED. DENNIS GAYLORD REESTABLISHED MANY CORNERS IN THIS TOWNSHIP IN THE MID TO LATE 1990'S. ALL MONUMENTS TIED IN THIS SURVEY WERE GAYLORD CORNERS WHICH HE PURPORTED TO ESTABLISH FROM FOUND ORIGINAL EVIDENCE.

A TIE WAS MADE TO THE NORTHEAST CORNER OF SECTION 10; A BRASS CAP ESTABLISHED BY GAYLORD WITH CORNER STONE AT IT'S SIDE. WE THEN MADE AN EXTENSIVE SEARCH FOR EVIDENCE OF THE STONE SET BY GEORGE PERSHIN AT THE 1/4 CORNER BETWEEN SECTIONS 3 AND 10 BUT NOTHING SATISFACTORY WAS FOUND. WE THEN SEARCHED FOR PERSHIN EVIDENCE AT THE NW CORNER OF 10, 1/4 CORNER BETWEEN 9 AND 10, AND 1/4 CORNER BETWEEN 3 AND 4; IN EACH INSTANCE, NO SATISFACTORY EVIDENCE WAS FOUND. THE TERRAIN IN THIS AREA IS VERY STEEP AND ROCKY WITH MANY CATTLE AND ELK TRAILS. ANY MOUNDS HAVE LIKELY BEEN LOST FOR MANY YEARS. GIVEN THE EXTREMELY DIFFICULT LOCATIONS THE GAYLORD BRASS CAPS WERE FOUND, I BELIEVE HE SEARCHED THIS ENTIRE AREA IN THE 90'S AND WAS UNABLE TO FIND ANYTHING HERE. IN MOST SEARCHED FOR LOCATIONS WE FOUND AT LEAST 2 STONES CONSISTENT WITH SIZES MENTIONED IN THE PERSHIN NOTES, BUT NO MOUND EVIDENCE. NONE OF THE STONES WERE MARKED OR FOUND IN A POSITION AND/OR ORIENTATION EXPECTED. WE COULD FIND NO OTHER EVIDENCE TO SUBSTANTIATE ANY OF THE STONES FOUND. ITS WORTH NOTING THAT EAST-WEST FENCE LINES APPEAR TO BE OFF THE SECTION LINES IN THIS AREA; LIKELY DUE TO THE MANY VERTICAL NORTH-SOUTH RAVINES.

WE RESORTED TO MEASURING THE REESTABLISHED GAYLORD LOCATIONS AS SHOWN ON THIS SURVEY AND ESTABLISHED THE NW CORNER OF SECTION 10 BY DOUBLE PROPORTION (10' WEST OF A NORTH-SOUTH FENCE LINE) AND THE 1/4 SECTION CORNER BETWEEN 3 AND 10 BY SINGLE PROPORTION (35' NORTH OF REMNANTS OF DOWNED EAST-WEST FENCE). SEE CORNER RESTORATION FORMS FILED WITH THIS SURVEY FOR ADDITIONAL CORNER AND REFERENCE INFORMATION.

THE BOUNDARY AS SHOWN IN DETAIL A REPRESENTS THE PROPOSED AGREEMENT BOUNDARY FOR ROCK EXCAVATION AND ROADWAY IMPROVEMENT. YELLOW JACKET ROAD RIGHT-OF-WAY SHOWN IN THIS SURVEY WAS ESTABLISHED BY CREATING A BEST FIT ALIGNMENT OF THE EXISTING ROAD STRUCTURE. THE EXISTING ROAD LOCATION AS TRAVELED FOR 10 OR MORE YEARS DOES NOT CONFORM TO THE ORIGINAL ROAD ESTABLISHMENT DOCUMENTS. A ROAD LEGALIZATION IS OUTSIDE THE SCOPE OF THIS PROJECT; HOWEVER, WILL NEED TO BE CONSIDERED AT SOME FUTURE DATE.

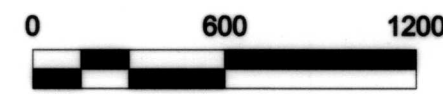
SURVEY DATA WAS COLLECTED USING LEICA GS15 GNSS RECEIVERS OPERATED USING BOTH STATIC AND RTK METHODS. DATA WAS POST-PROCESSED USING LEICA INFINITY SOFTWARE AND VERIFIED WITH OPUS SOLUTIONS.

BASIS OF BEARINGS IS NAD 83 (2011) EPOCH 2010.00, OREGON COORDINATE REFERENCE SYSTEM (OCRS) PILOT ROCK-UKIAH ZONE. DISTANCES ARE GRID, INTERNATIONAL FEET. GEODETIC COORDINATES HAVE ALSO BEEN PROVIDED FOR CONTROLLING MONUMENTS AS SHOWN.

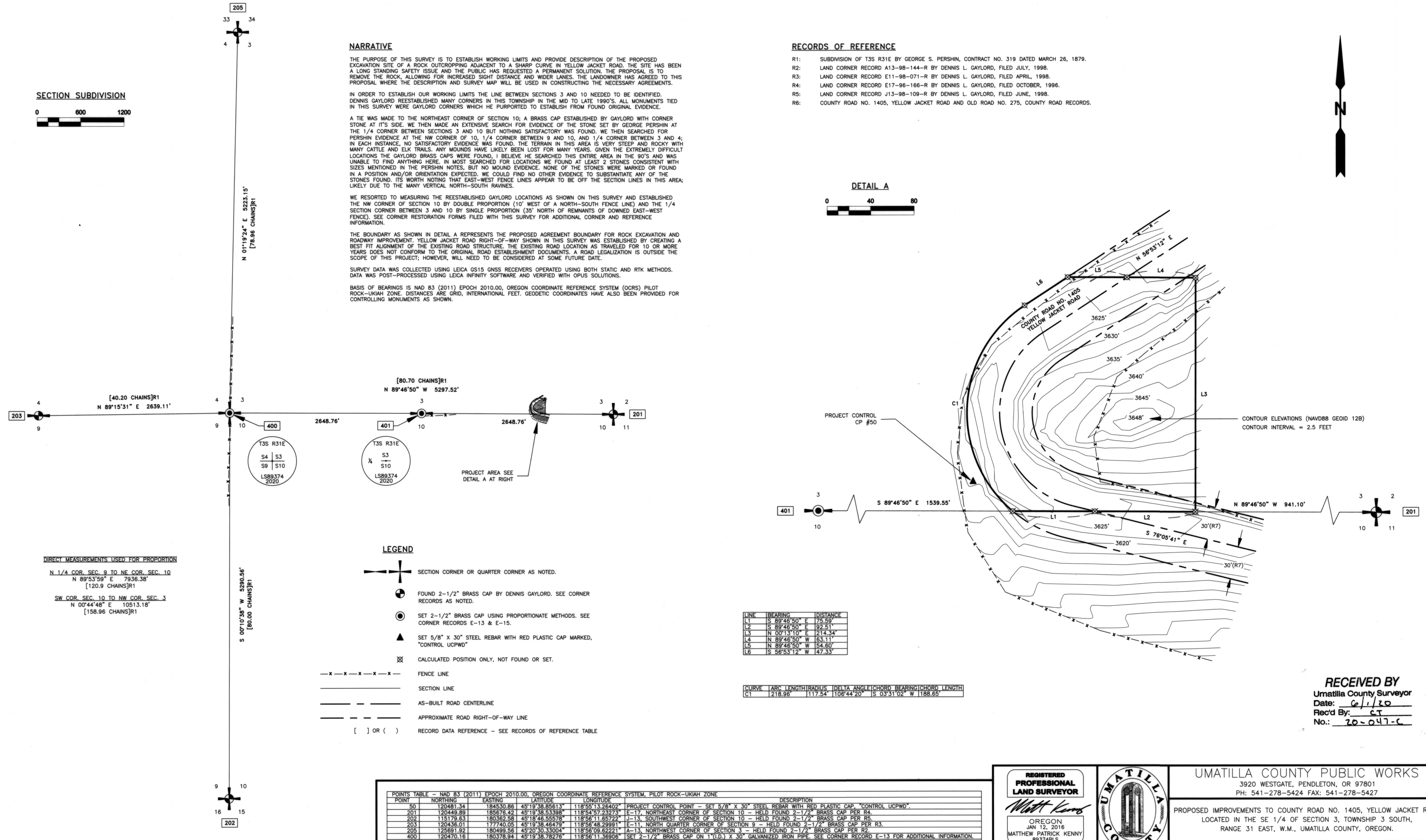
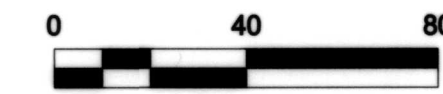
RECORDS OF REFERENCE

- R1: SUBDIVISION OF T3S R31E BY GEORGE S. PERSHIN, CONTRACT NO. 319 DATED MARCH 26, 1879.
- R2: LAND CORNER RECORD A13-98-144-R BY DENNIS L. GAYLORD, FILED JULY, 1998.
- R3: LAND CORNER RECORD E11-98-071-R BY DENNIS L. GAYLORD, FILED APRIL, 1998.
- R4: LAND CORNER RECORD E17-96-166-R BY DENNIS L. GAYLORD, FILED OCTOBER, 1996.
- R5: LAND CORNER RECORD J13-98-109-R BY DENNIS L. GAYLORD, FILED JUNE, 1998.
- R6: COUNTY ROAD NO. 1405, YELLOW JACKET ROAD AND OLD ROAD NO. 275, COUNTY ROAD RECORDS.

SECTION SUBDIVISION



DETAIL A



LEGEND

- SECTION CORNER OR QUARTER CORNER AS NOTED.
- FOUND 2-1/2" BRASS CAP BY DENNIS GAYLORD. SEE CORNER RECORDS AS NOTED.
- SET 2-1/2" BRASS CAP USING PROPORTIONATE METHODS. SEE CORNER RECORDS E-13 & E-15.
- SET 5/8" X 30" STEEL REBAR WITH RED PLASTIC CAP MARKED. "CONTROL UCPWD"
- CALCULATED POSITION ONLY, NOT FOUND OR SET.
- FENCE LINE
- SECTION LINE
- AS-BUILT ROAD CENTERLINE
- APPROXIMATE ROAD RIGHT-OF-WAY LINE
- [] OR () RECORD DATA REFERENCE - SEE RECORDS OF REFERENCE TABLE

LINE	BEARING	DISTANCE
L1	S 89°46'50" E	75.59'
L2	S 89°46'50" E	92.51'
L3	N 00°13'10" E	214.34'
L4	N 89°46'50" W	63.11'
L5	N 89°46'50" W	54.60'
L6	S 56°53'12" W	47.33'

CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	218.96'	117.54'	110°44'20"	S 03°31'02" W	188.65'

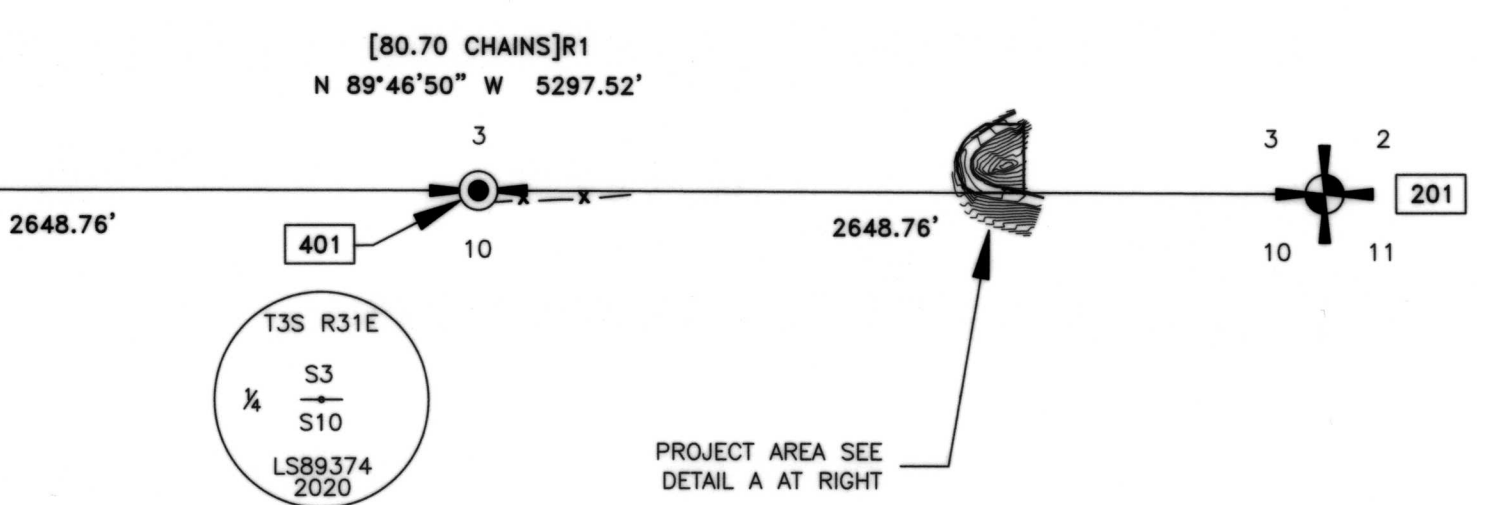
DIRECT MEASUREMENTS USED FOR PROPORTION

N 1/4 COR. SEC. 9 TO NE COR. SEC. 10
 N 89°53'59" E 7936.38'
 [120.9 CHAINS]R1

SW COR. SEC. 10 TO NW COR. SEC. 3
 N 00°44'48" E 10513.18'
 [158.96 CHAINS]R1

N 01°19'24" E 5223.15'
 [78.96 CHAINS]R1

S 00°10'38" W 5290.36'
 [80.00 CHAINS]R1



RECEIVED BY
 Umatilla County Surveyor
 Date: 6/1/20
 Rec'd By: CT
 No.: 20-047-C

POINT	NORTHING	EASTING	LATITUDE	LONGITUDE	DESCRIPTION
50	120481.34	184530.86	45°19'38.85613"	118°55'13.26402"	PROJECT CONTROL POINT - SET 5/8" X 30" STEEL REBAR WITH RED PLASTIC CAP. "CONTROL UCPWD"
201	120449.89	185676.42	45°19'38.53398"	118°54'57.23273"	E-17, NORTHEAST CORNER OF SECTION 10 - HELD FOUND 2-1/2" BRASS CAP PER R4.
202	115179.63	180362.58	45°19'45.55678"	118°56'11.65722"	J-13, SOUTHWEST CORNER OF SECTION 10 - HELD FOUND 2-1/2" BRASS CAP PER R5.
203	120436.01	177740.05	45°19'38.46479"	118°56'48.29991"	E-11, NORTH QUARTER CORNER OF SECTION 9 - HELD FOUND 2-1/2" BRASS CAP PER R3.
205	125691.92	180499.56	45°20'30.33004"	118°56'09.62221"	A-13, NORTHWEST CORNER OF SECTION 3 - HELD FOUND 2-1/2" BRASS CAP PER R2.
400	120470.16	180378.94	45°19'38.78276"	118°56'11.36906"	SET 2-1/2" BRASS CAP ON 1"(I.D.) X 30" GALVANIZED IRON PIPE. SEE CORNER RECORD E-13 FOR ADDITIONAL INFORMATION.
401	120460.03	183027.88	45°19'38.66007"	118°55'34.30087"	SET 2-1/2" BRASS CAP ON 1"(I.D.) X 30" GALVANIZED IRON PIPE. SEE CORNER RECORD E-15 FOR ADDITIONAL INFORMATION.

<p>REGISTERED PROFESSIONAL LAND SURVEYOR</p> <p><i>Matthew Patrick Kenny</i></p> <p>OREGON JAN 12, 2016 MATTHEW PATRICK KENNY 89374PLS</p> <p>RENEWS: 6-30-21</p>		<p>UMATILLA COUNTY PUBLIC WORKS</p> <p>3920 WESTGATE, PENDLETON, OR 97801 PH: 541-278-5424 FAX: 541-278-5427</p>
		<p>PROPOSED IMPROVEMENTS TO COUNTY ROAD NO. 1405, YELLOW JACKET ROAD LOCATED IN THE SE 1/4 OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 31 EAST, W.M., UMATILLA COUNTY, OREGON.</p>
<p>PROJECT NO.: 19-030 DR: MPK CH: TMA/CMT DATE: 04/2020 SHEET 1 OF 1</p>		