



**CONTROL POINTS**

- PL No. 102**  
 N: 1,709,985.6249, E: 1,664,811.4354  
 #4 Rebar in Grass  
 1. 26.3' N to SW Corner of Curb Inlet  
 2. 9.7' E to Back of Curb  
 3. 14.15' SSW to Center of Traffic Signal Manhole
- PL No. 103**  
 N: 1,710,599.5649, E: 1,664,864.6520  
 #4 Rebar  
 1. E of Oliver Ave.  
 2. S of Driveway for Address #3914 Oliver Ave.  
 3. 4.0' W to E Edge of Asphalt Road  
 4. 11.4' W to White Painted Stripe  
 5. 15' N to C of 3rd Driveway N of 37th St.
- PL No. 104**  
 N: 1,711,229.4851, E: 1,664,859.8615  
 PK Nail in Asphalt Driveway  
 1. E Side of Oliver  
 2. SW of N End of White Split-Rail Board Fence  
 3. In 2nd Driveway N of Mailbox #4014 Oliver Ave.  
 4. 3' N to N Edge of Asphalt Driveway  
 5. 8' E to E Edge of Asphalt Driveway
- PL No. 105**  
 N: 1,711,683.6748, E: 1,664,836.8387  
 PK Nail  
 1. In E Asphalt Shoulder of Oliver Road  
 2. 50' S to C of 40th Street N  
 3. 2' E to E Edge of Asphalt Road  
 4. 21' N to Line of S Edge of Concrete Driveway
- PL No. 106**  
 N: 1,712,562.8625, E: 1,664,820.1585  
 PK Nail  
 1. In E Asphalt Shoulder of Oliver Road  
 2. 3' E to E Edge of Asphalt Road  
 3. E of E Quarter-Section Corner Sec. 26, T26S, R1E  
 4. Between Address 4184 and Address 4200 Oliver Ave.

**BENCHMARK LIST**

- BM #201** - PROJECT DATUM BENCH MARK. CHISELED "d" ON THE E END OF THE N HEADWALL FOR THE RCBC, NW OF OLIVER AND 37TH ST. N.  
 ELEV. = 1374.09 (NAVD 88)
- BM #202** - CHISELED "d" ON TOP OF THE S END OF THE OVAL RCP CULVERT AT ADDRESS #3914 ON THE E SIDE OF OLIVER AVE.  
 ELEV. = 1378.89 (NAVD 88)
- BM #203** - 600 STEP NAILS IN THE W FACE OF THE TELEPHONE POLE AT THE NW CORNER OF ADDRESS #4014 OLIVER AVE., AT THE S END OF THE WHITE SPLIT-RAIL BOARD FENCE.  
 ELEV. = 1385.875 (NAVD 88)
- BM #204** - CHISELED "d" ON THE TOP OF THE N END OF THE OVAL RCP CULVERT, ON THE NE OF OLIVER AVE. AND 40TH ST. N.  
 ELEV. = 1389.845 (NAVD 88)
- BM #205** - CHISELED "d" ON THE TOP OF THE N END OF THE OVAL RCP CULVERT, ON THE E SIDE OF OLIVER AVE., NEAR THE DRIVEWAY TO ADDRESS #4160 OLIVER AVE.  
 ELEV. = 1400.585 (NAVD 88)
- BM #206** - LITTLE RAILROAD SPIKE IN THE W FACE OF THE TELEPHONE POLE, ON THE E SIDE OF OLIVER AVE., ESE OF THE E QUARTER-SECTION CORNER FOR SECTION 26, T26S, R1E, AT THE NW CORNER OF ADDRESS #4184 OLIVER AVE.  
 ELEV. = 1402.665 (NAVD 88)

WATERLINE NO. 1 COORDINATE LIST				
POINT	NORTH	EAST	OLIVER STREET C STATION, OFFSET	DESCRIPTION
5000	1,709,994.3911	1,664,753.4516	200+80.24, 98.9' Lt.	BEGIN
5001	1,710,038.4850	1,664,781.5062	201+23.78, 70.0' Lt.	BEND
5002	1,710,336.8400	1,664,785.7859	204+22.00, 60.0' Lt.	DEFLECTION
5003	1,712,523.2928	1,664,743.8523	226+08.86, 60.0' Lt.	DEFLECTION
5004	1,712,563.0853	1,664,741.0660	226+48.70, 62.0' Lt.	DEFLECTION
5005	1,712,574.0853	1,664,741.0649	226+59.69, 61.8' Lt.	END

= COORDINATE POINT NO.

OLIVER STREET CENTERLINE			
POINT	NORTH	EAST	DESCRIPTION
6000	1,709,916.0660	1,664,853.8669	BEGIN / SE COR, SEC 26, T26S, R1E
6001	1,712,561.5057	1,664,803.1305	NE COR, SE 1/4 SEC 26, T26S, R1E
6002	1,712,575.2706	1,664,802.8665	END

= COORDINATE POINT NO.

Served 02-11-2015 11:27:51 AM by CSI  
 Plot Scale 1:1 02-11-2015 1:30:42 AM by CSI  
 CS:\2013\13649\000\13649-000-003-BUBBLE.MAP

No.	Revision	By	Date
<b>OLIVER STREET WATER MAIN EXTENSION</b> (OLIVER STREET BETWEEN 37TH STREET NORTH AND WILLOW POINT) <b>BUBBLE MAP</b> GARY JANZEN, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 448-90608			
Designed by	CSB, SAD	Job No.	35-13649-042
Drawn by	CSL, JAN	Date	OCTOBER 2013

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