

Ottawa County Engineer's Office
David A. Brunkhorst, P.E., R.S.
Ottawa County Engineer

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Port Clinton, Ohio 43452

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January 21, 2009

RECEIVED
OHIO DEPT. OF TRANSPORTATION
DISTRICT 2
JAN 23 2009
PRODUCTION
DEPARTMENT

Attn: Ryan G. Nuhfer, P.S.
Ohio Department of Transportation
District 2
317 East Poe Road
Bowling Green, OH 43402

RE: State Route #19
Salem Township, Ottawa County

Ryan,

First, I would like to apologize for the delay in acting upon your request dated February 25, 2008. Myself and David A. Brunkhorst, P.E., R.S., Ottawa County Engineer, have reviewed the information provided, and respond with the following:

The only glaring issue found is that the Delos Nissen note on the tie sheets dated 3-5-1963, that the PI points were ok and c/l of right-of-way, appears to be written by the same individual who wrote tie sheets. It does not appear to be Delos Nissen's writing. This leads one to believe that ODOT personnel asked for a review of the ties, and that they were reviewed by Delos, and then assumed at some point that they were the PI points for the centerline control for State Route #19. This notation seems to be what has caused the confusion thus far, and should be disregarded as far as "P.I. are C/L R/W", as it was not written by Delos Nissen.

Since the parcel deeds in this area do describe ownership to the section lines, question of ownership or parcel size is not an issue.

As far as location of right-of-way for useable lot area, we concur that the most reasonable conclusion is that it should be measured from the section lines and not the PI points of 3-5-1963. Review of the 1924 ICH 280-Sec A-2 plans from ODOT shows a line running from PI to PI. Looking at the r/w lines vs. the PI to PI line, it appears that the PI to PI line does not run parallel to the r/w lines, which would support his theory that the line was used as a baseline for data collection, and not the necessarily the centerline of right-of-way, however, this could also simply be a drafting issue.

For the existing parcels and surveys in this area, Salem Township Zoning should be made aware of this issue for future construction on these parcels. Existing structures would probably be "grandfathered" due to their existence and confusion of the right-of-way location at the time. The front yard setback for buildings in Salem Township is 50.00 feet measured from the right-of-way line.

Forming a conclusion at this point and making notations on the existing State Route #19 plans and the tie sheets dated 3-5-1963, located in both the Ottawa County Engineer's Office and ODOT office, can carry uniformity into the future.

As this office is currently working towards locating and providing permanent surface monumentation for section corners located in Ottawa County, this office is requesting ODOT to work towards relocating the section corner stones and installing permanent monuments on the surface. Should ODOT decide to work towards this, this office would be more than willing to assist. In doing this, issues like this will not arise in the future.

Sincerely,

A handwritten signature in black ink, appearing to read "M. J. Wittman", with a long horizontal flourish extending to the right.

Michael J. Wittman, P.S.
Chief Surveyor
Ottawa County Engineer's Office

cc: File



OHIO DEPARTMENT OF TRANSPORTATION

DISTRICT 2, 317 EAST POE ROAD, BOWLING GREEN, OH 43402, 419-353-8131

February 25, 2008

Attn: David Brunkhurst, P.E., P.S.

Ottawa County Engineer

315 Madison Street

Port Clinton, Ohio 43452

Mr. Brunkhurst,

Concerning a request from our Highway Department to determine the right of way on Oak-Harbor Rd., SR. #19 from the Ottawa County Line north to the south side of Oak Harbor, I have found some discrepancies with some of the old records that I have researched.

Basically, I am trying to determine whether to set the right of way (30 feet east and west) from the Section Lines or use the PI's that were established per the ICH 280-Sec A-2 (1924) Plan on file at ODOT. The 1924 Plan does not state whether the PI's were set on the Section Corners or not. It does appear that the centerline PI's were established possibly for a baseline for the Cross Sections.

The Original Road Record (as near as I can tell), was found in Road Record Volume 3, Page 94, (1842) at the Sandusky County Engineer's Office. It shows the road to be a straight section of road in this area, even though some of the locations of the road have changed since then making it difficult to follow the description.

An additional Road Record which I found in the Sandusky County Commissioner's Journal Volume 4 Page 1 (1860) states that the centerline of the road is to go from Section Corner to Section Corner, except for the area over the Little Portage Creek (just after the 11 mile stake) has a slight deflection in it.

The Ottawa County Commissioner's Journal Volume 12 Page 101 (1924), is the final resolution for improving ICH 280-Sec A-2, and states that this section of highway is to be along the Section Lines.

The plans for the bridge at Ott-19-1.10 over Little Portage Creek (1983) calls out the Section Line to be the same as the Centerline of S.R. #19 through this area, although it appears they used the PI at the Section Corner at Hetrick Rd. at the South, and a PI at Station 66+81.06 to the North and Not the assumed Section Corner at Elmore Eastern Rd.(East).

In your office I found ties from March 5, 1963 for SR. #19 with a note written on them that stated "All P.I.'s was OK by Delos J. Nissen, County Engineer, 3-13-63, P.I.'s are Centerline Right of Way", which goes against the Road Records I found.

I reviewed the Private Surveys in these Sections, and it appears that the majority of them used the centerline P.I.'s to set the right of way off of, and used the apparent Section Corners to establish the Property Line.

I reviewed the Deeds in the Recorder's Office on this section of road, and only found additional right of way acquired by the State of Ohio around Little Portage Creek area on said Plan Ott-19-1.10 in 1983. Deed Volume 298 Pages 794, and 856.

On 2-14-08, I spoke with John Papcun, P.E., P.S., retired Ottawa County Engineer asking for his insight in the matter and he said "although he remembers the note from Delos Nissen, he had no recollection of why the statement was made".

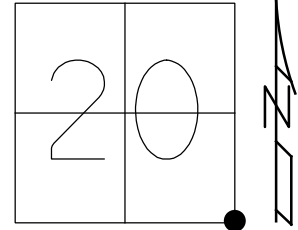
On 2-15-08, I spoke with Robert Steinmiller, P.E., P.S., retired Ottawa County Engineer, asking him if he had any recollection of this matter, He said, "he remembered Delos Nissen's note, but had no additional information to add as to why the statement was made.

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 1 SHEET 1 OF 23
 NOTES LEU DATE 8/7/14 ROUTE SR 19
 H.C. WESTFALL WEATHER SUNNY COUNTY OTTAWA
 R.C. ALLEN TEMP. 72° TOWNSHIP SALEM
 RHOADES SECTION 20
 DWG BY AUBLE PID 107060 T 6 N R 15 E

TYPE MONUMENT MONBOX W/1" IPIN
~~ON SURFACE~~ - BELOW ON
 OFFSET \odot PAVEMENT 6' LT : ~~RT~~
- TO - EDGE PAVEMENT 10.1' S. OF \odot LT
 STATION: 0+00

HORZ. DATUM: NAD83 (2011) GEOID: 2012A
 GRID: NORTHING: 653186.782 EASTING: 1791743.928



RECORD:
 STONE FD IN 1873,
 E. FRANCK
 SEC.20 S.E.COR.
 SEC.21 S.W.COR.

NOTE: SAN 19 REF 25

NOTE:
 FD P.K./WASHER ON \odot
 REF 1A, P.I.

FD P.K./WASHER, ON SURFACE
 GPS, REF 1
 NORTHING: 653186.601
 EASTING: 1791743.645

FD R.R.SPIKE, 3" DOWN
 GPS, REFA1

FD R.R.SPIKE, 4 7/8" DOWN
 GPS, REFB1

FD 3/4" IPIN, 8 1/4" DOWN
 GPS, REFC1
 BRICK ROAD, PICTURE #430

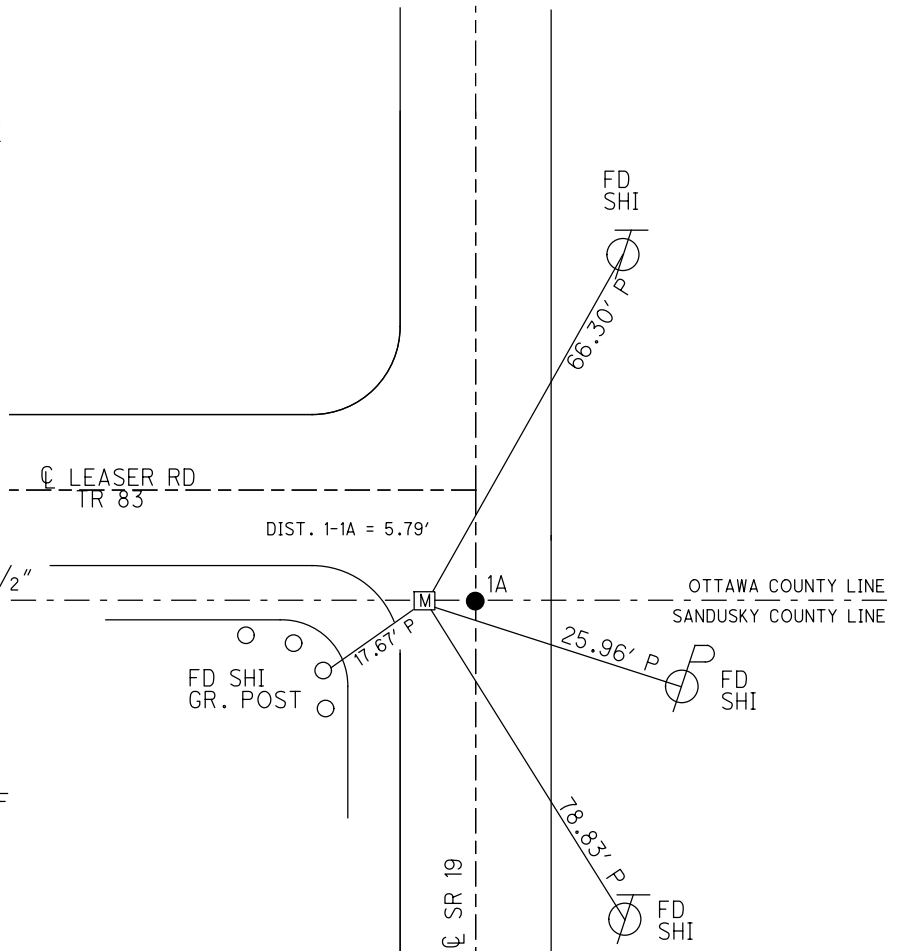
FD 1 1/2" IPIPE, 21 1/2" DOWN
 GPS, REFD1
 BENT SOUTHEASTERLY.
 PICTURE #431

FD STONE, 27" DOWN. 7X3X4 1/2"
 GPS, REFE1
 PICTURE #432-434

08-05-2014 EBW, JLL, JBT &
 JEFF FROM OTT. CO.

UNCOVERED STONE, MARKED
 HIGH POINT FROM TIES, SHOT
 HIGH POINT WITH GPS PLACED
 IRON PIN OVER HIGH POINT OF
 STONE WITH COORDINATES.

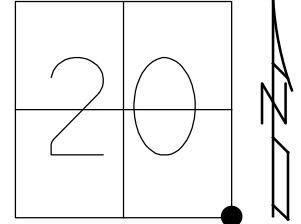
MON.BOX SET
 GPS, FINREF1
 8/7/14, EBW
 FD MONBOX
 3/19/19, JFO
 FD MONBOX
 8/22/19, JMR



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 1 A SHEET 2 OF 23
 NOTES LEU DATE 7/31/14 ROUTE SR 19
 H.C. WESTFALL WEATHER SUNNY COUNTY OTTAWA
 R.C. LEU TEMP. 75° TOWNSHIP SALEM
 DWG BY AUBLE PID 107060 SECTION 20
 T 6 N R 15 E

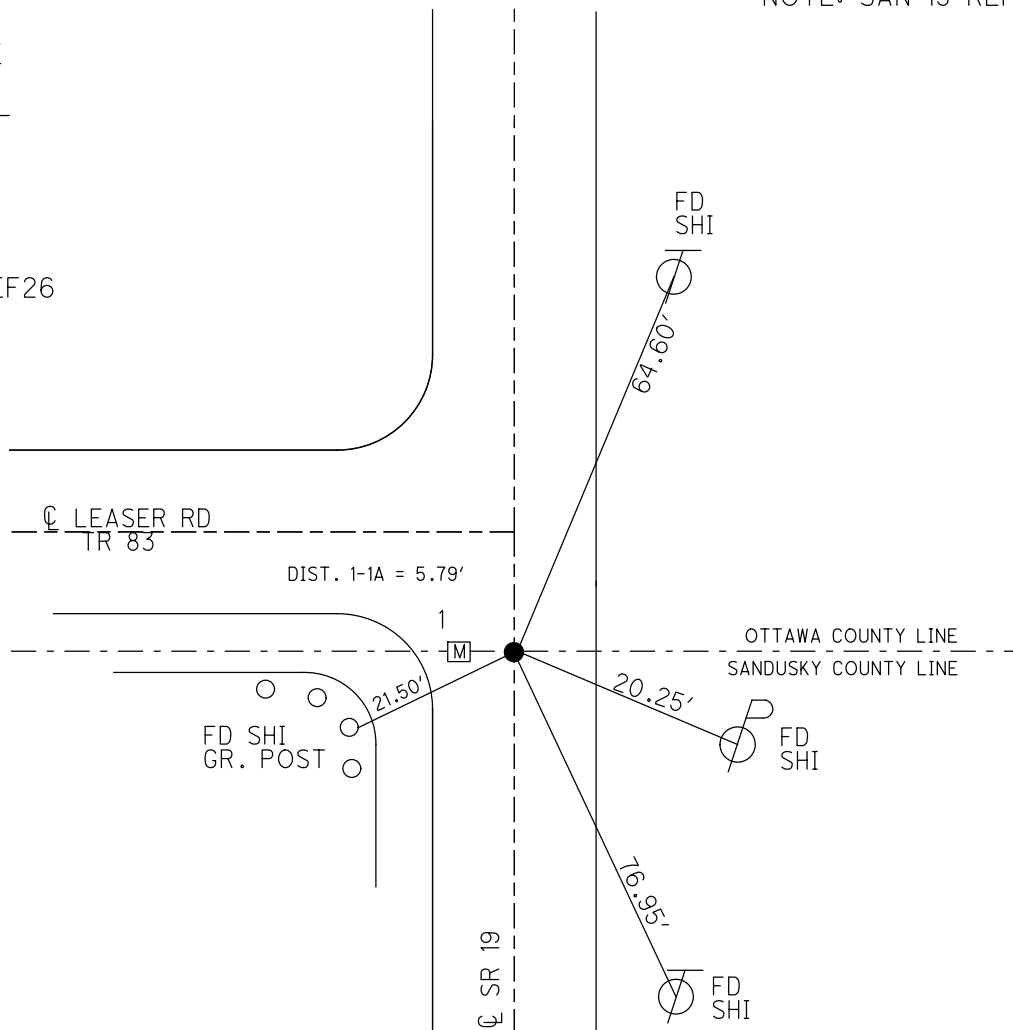
TYPE MONUMENT MAG NAIL
~~ON SURFACE~~ - BELOW _____ ON _____
 OFFSET \odot PAVEMENT 6" LT : ~~RT~~
4.8' TO LT EDGE PAVEMENT
 STATION: 0+00



HORZ.DATUM: NAD83 (2011) GEOID: 2012A
 GRID: NORTHING: 653186.605 EASTING: 1791749.703

NOTE: SAN 19 REF 26

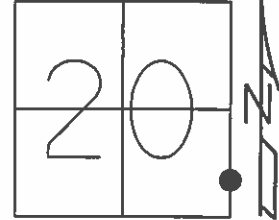
RECORD: P.I.
 FD R.R.SPIKE
 5/7/07
 SET MAG NAIL
 2008, MC
 FD MAG NAIL
 GPS, REFA1
 1/15/13, MC
 GPS, REF2
 6/5/14, EBW
 FD MAG/W REF26
 3/19/19, JFO



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

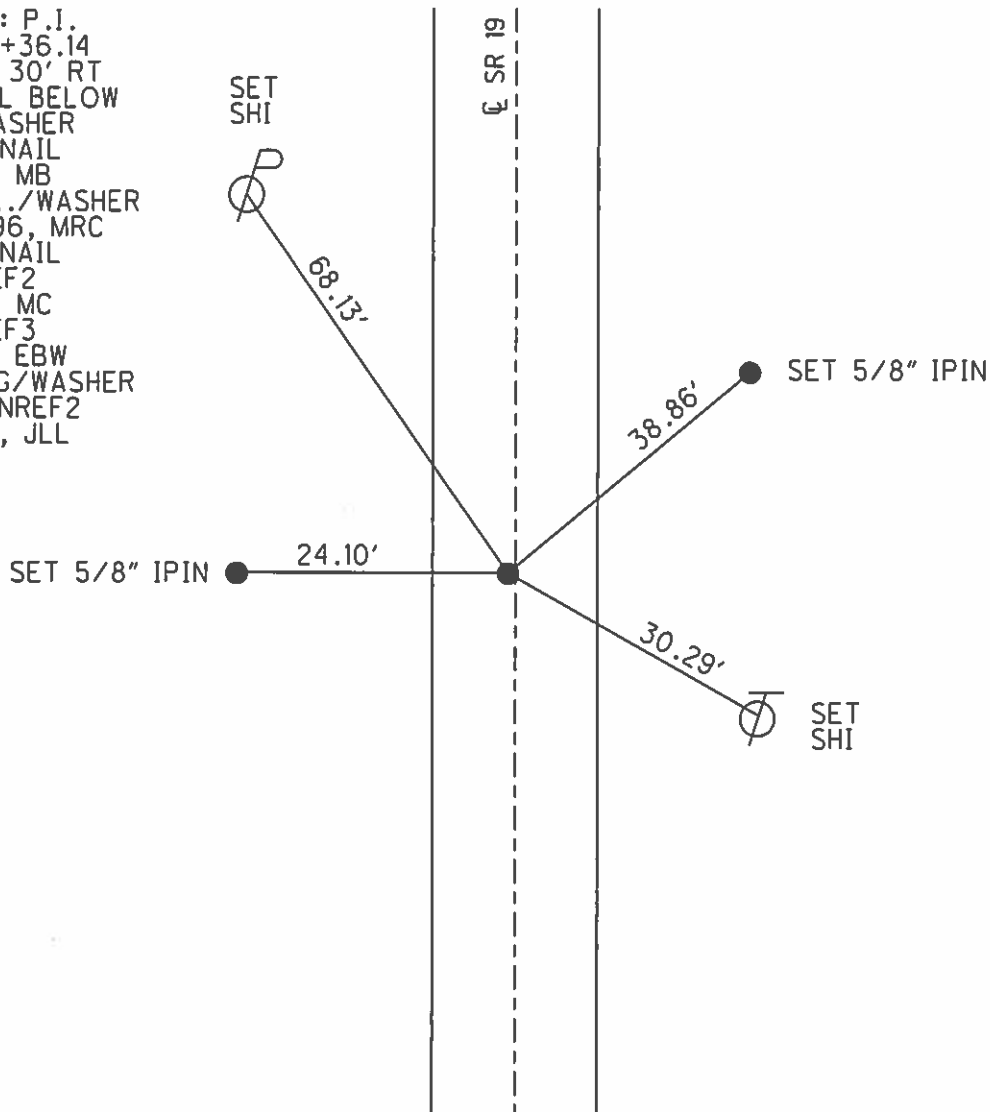
PERSONNEL _____ REFERENCE NO. 2 SHEET 3 OF 23
 NOTES LEU DATE 6/5/14 ROUTE SR 19
 H.C. WESTFALL WEATHER SUNNY COUNTY OTTAWA
 R.C. RHOADES TEMP. 70° TOWNSHIP SALEM
 _____ SECTION 20
 _____ T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - Q PAV'T - ~~RIGHT~~ 0.5'
10.4' TO LT EDGE PAVEMENT
 S.L.M. 10+35.77



GRID: NORTHING: 654222.405 EASTING: 1791735.932

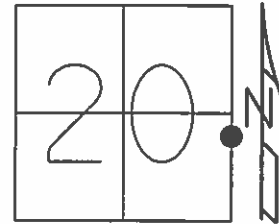
RECORD: P.I.
 STA. 10+36.14
 $\Delta = 0^\circ 30' RT$
 P.K.NAIL BELOW
 P.K./WASHER
 FD P.K.NAIL
 8/1/96, MB
 SET P.K./WASHER
 10/29/96, MRC
 FD P.K.NAIL
 GPS, REF2
 1/13/13, MC
 GPS, REF3
 6/5/14, EBW
 SET MAG/WASHER
 GPS, FINREF2
 7/31/14, JLL



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

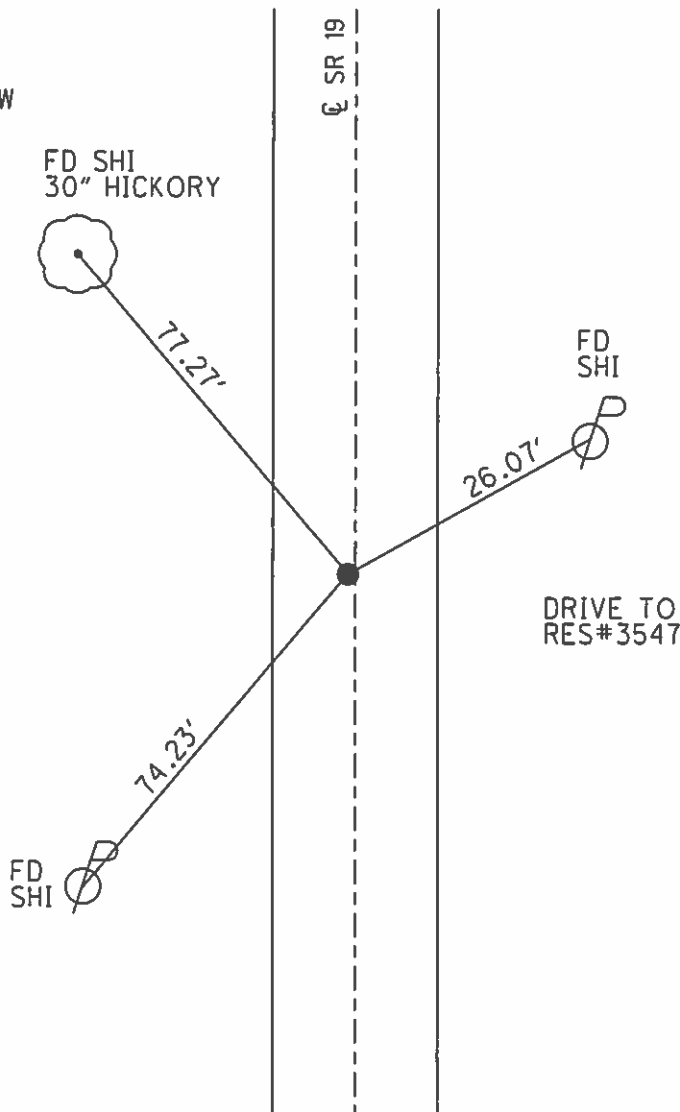
PERSONNEL	REFERENCE NO.	<u>3</u>	SHEET	<u>4</u>	OF	<u>23</u>
NOTES	LEU	DATE	<u>6/5/14</u>	ROUTE	<u>SR 19</u>	
H.C.	<u>WESTFALL</u>	WEATHER	<u>SUNNY</u>	COUNTY	<u>OTTAWA</u>	
R.C.	<u>RHOADES</u>	TEMP.	<u>70°</u>	TOWNSHIP	<u>SALEM</u>	
				SECTION	<u>20</u>	
				T	<u>6</u>	N
				R	<u>15</u>	E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON
 LEFT - ℄ PAV'T - ~~RIGHT~~ 0.6'
10.3' TO LT EDGE PAVEMENT
 S.L.M. 23+50.57



GRID: NORTHING: 655537.176 EASTING: 1791729.700

RECORD: P.I.
 STA. 23+50.94
 $\Delta = 0^\circ 10' \text{ LT}$
 P.K./WASHER BELOW
 P.K./WASHER
 FD P.K./WASHER
 8/1/96, MB
 SET P.K./WASHER
 10/29/96, MRC
 FD P.K./WASHER
 GPS, REF3
 1/15/13, MC
 GPS, REF4
 6/5/14, EBW
 SET MAG/WASHER
 GPS, FINREF3
 7/31/14, JLL



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 4 SHEET 5 OF 23
 NOTES LEU DATE 8/7/14 ROUTE SR 19
 H.C. WESTFALL WEATHER SUNNY COUNTY OTTAWA
 R.C. ALLEN TEMP. 72° TOWNSHIP SALEM
RHOADES SECTION 20, 21
MEYER, THOMAS T 6 N R 15 E

TYPE MONUMENT MON.BOX

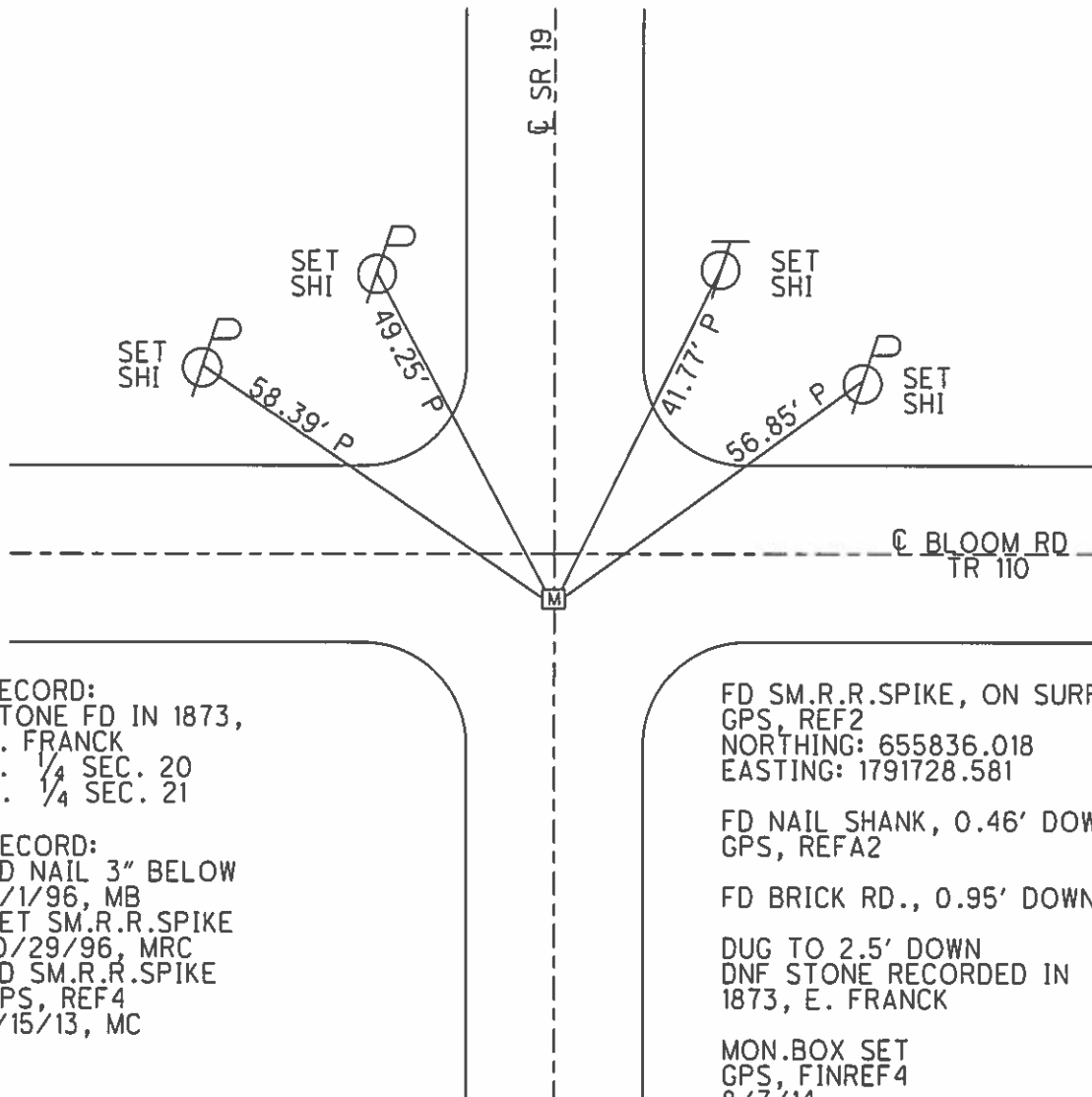
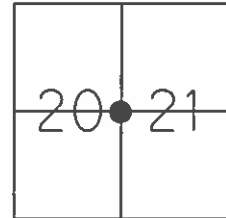
ON SURFACE - ~~BELOW~~ ON _____

~~LEFT~~ - Q PAV'T - RIGHT 0.2', 5.95' S. OF Q TR 110

- TO - EDGE PAVEMENT

S.L.M. 26+49.42

GRID: NORTHING: 655836.022 EASTING: 1791728.612



RECORD:
 STONE FD IN 1873,
 E. FRANCK
 E. 1/4 SEC. 20
 W. 1/4 SEC. 21

RECORD:
 FD NAIL 3" BELOW
 8/1/96, MB
 SET SM.R.R.SPIKE
 10/29/96, MRC
 FD SM.R.R.SPIKE
 GPS, REF4
 1/15/13, MC

FD SM.R.R.SPIKE, ON SURFACE
 GPS, REF2
 NORTHING: 655836.018
 EASTING: 1791728.581

FD NAIL SHANK, 0.46' DOWN
 GPS, REFA2

FD BRICK RD., 0.95' DOWN

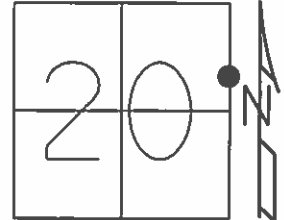
DUG TO 2.5' DOWN
 DNF STONE RECORDED IN
 1873, E. FRANCK

MON.BOX SET
 GPS, FINREF4
 8/7/14

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

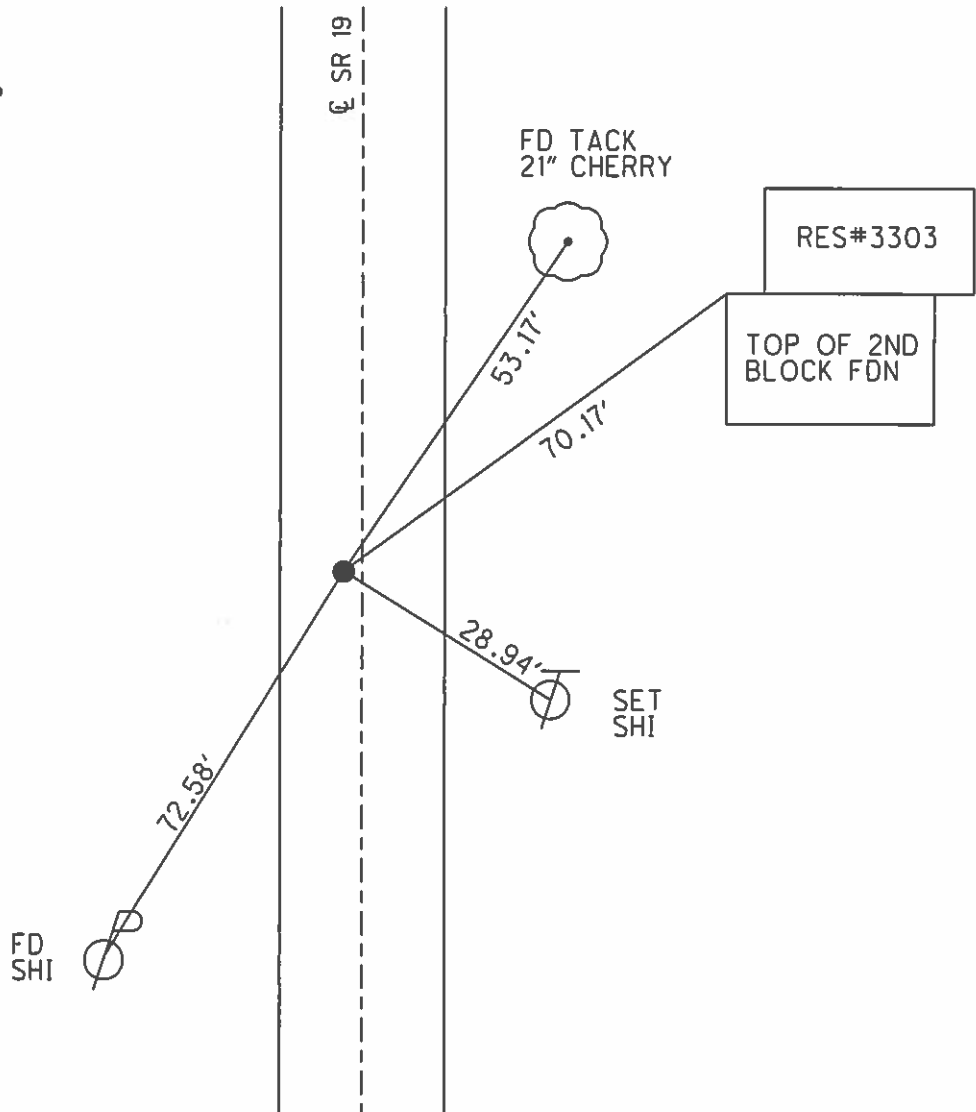
PERSONNEL _____ REFERENCE NO. 5 SHEET 6 OF 23
 NOTES LEU DATE 6/5/14 ROUTE SR 19
 H.C. WESTFALL WEATHER CLOUDY COUNTY OTTAWA
 R.C. MEYER TEMP. 75° TOWNSHIP SALEM
 _____ SECTION 20
 _____ T 6 N R 15 E

TYPE MONUMENT BOAT SPIKE
 ON SURFACE - ~~BELOW~~ ON
 LEFT - Q PAV'T - ~~RIGHT~~ 1.5'
9.7' TOLT EDGE PAVEMENT
 S.L.M. 36+59.98



GRID: NORTHING: 656846.560 EASTING: 1791719.485

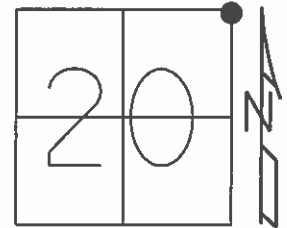
RECORD: P.J.
 STA. 36+60.64
 $\Delta = 0^\circ 15' RT$
 P.K./WASHER ATOP
 P.K.NAIL
 FD BOLT SPIKE
 8/1/96, MB
 SET P.K./WASHER
 10/29/96, MRC
 FD P.K./WASHER
 GPS, REF5
 1/15/13, MC
 GPS, REF6
 6/5/14, EBW
 SET MAG/WASHER
 GPS, FINREF5
 7/31/14, JLL



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

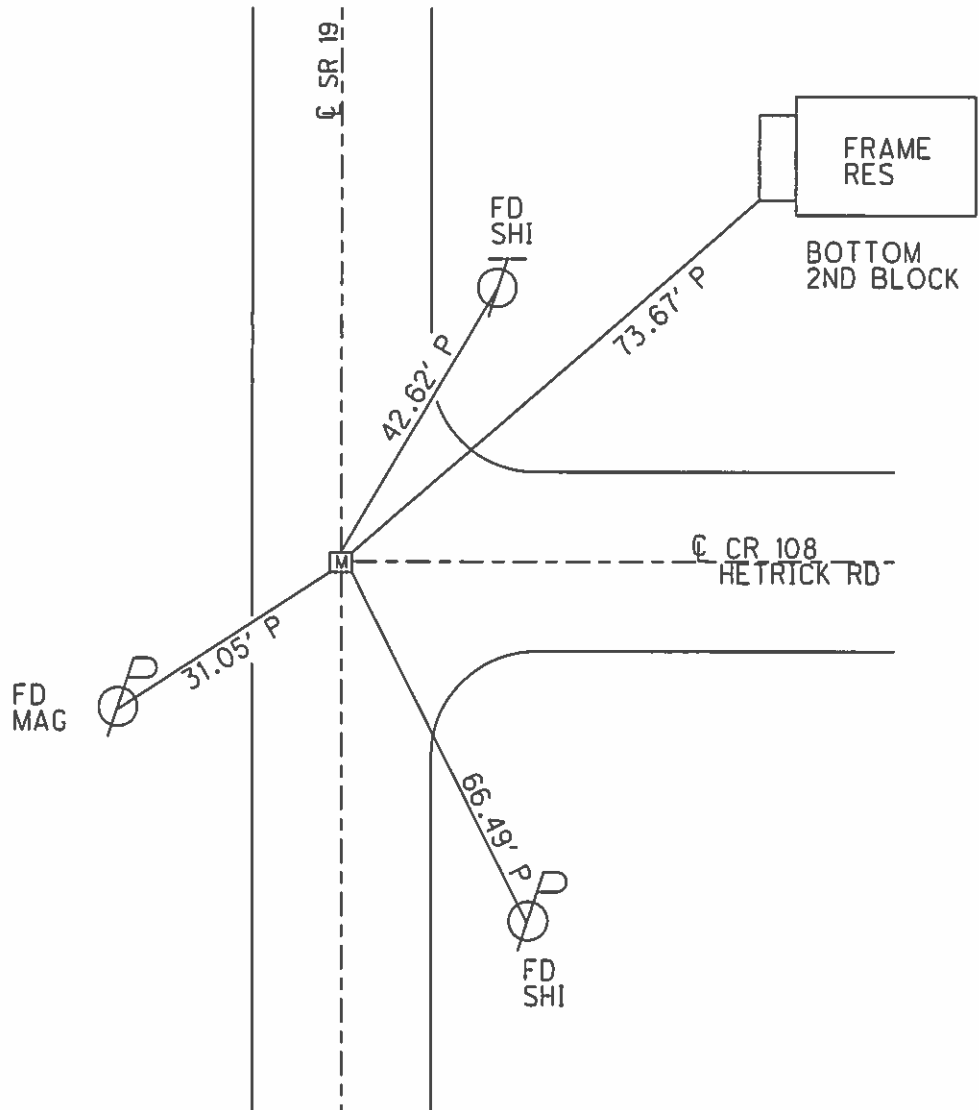
PERSONNEL _____ REFERENCE NO. 6 SHEET 7 OF 23
 NOTES LEU DATE 8/7/14 ROUTE SR 19
 H.C. WESTFALL WEATHER SUNNY COUNTY OTTAWA
 R.C. ALLEN TEMP. 72° TOWNSHIP SALEM
RHOADES SECTION 20
MEYER, THOMAS T 6 N R 15 E

TYPE MONUMENT MON.BOX
 ON SURFACE - ~~BELOW~~ ON
 LEFT - Q PAV'T - RIGHT ON
10.8' TOLT EDGE PAVEMENT
 S.L.M. 52+95.19



GRID: NORTHING: 658481.783 EASTING: 1791714.972

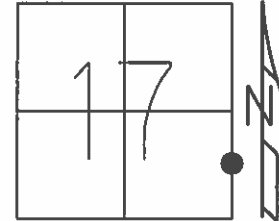
RECORD: P.I.
 1924 PLAN
 STA. 52+95.85
 $\Delta = 0^\circ 13' 30''$
 MINE SPIKE ATOP
 P.K.NAIL
 FD P.K./WASHER
 8/5/96, MB
 SET P.K./WASHER
 10/29/96, MRC
 FD P.K./WASHER
 GPS, REF6
 1/15/13, MC
 GPS, REF7
 6/6/14, EBW
 MON.BOX SET
 GPS, FINREF6
 8/7/14, JLL



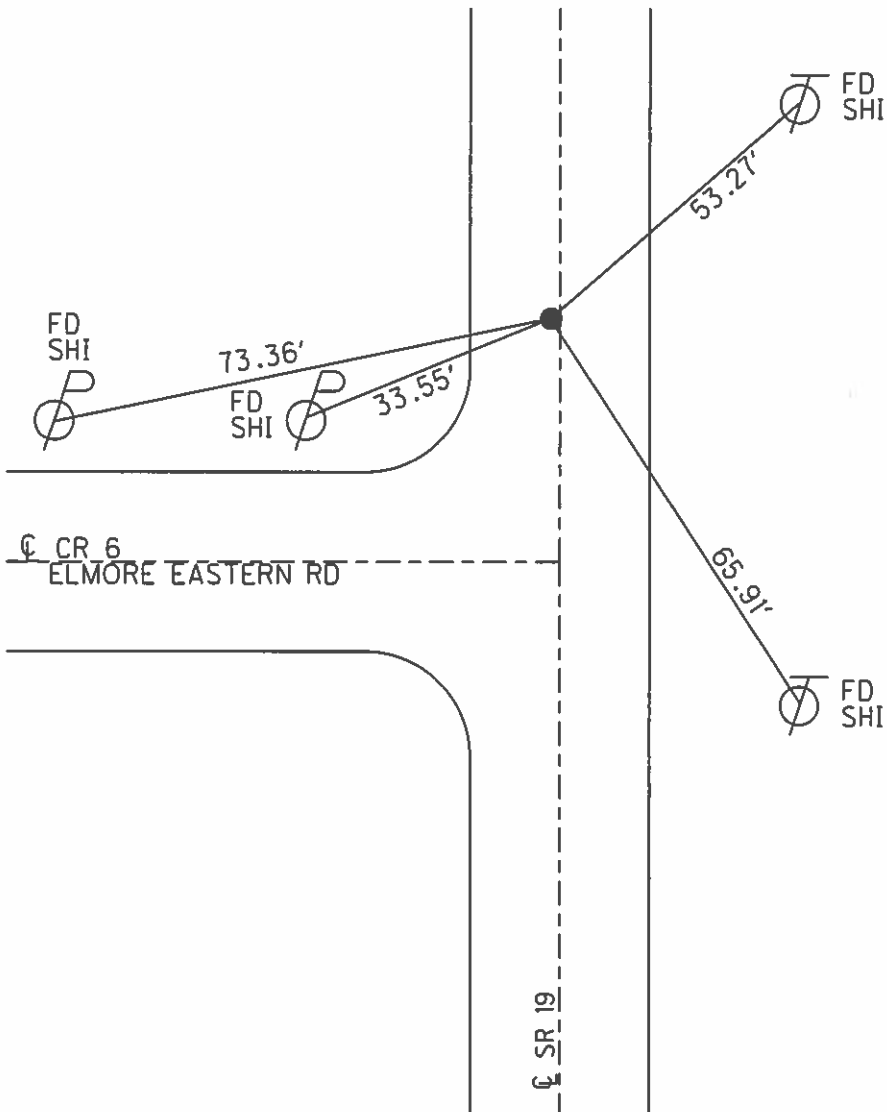
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 7 SHEET 8 OF 23
 NOTES LEU DATE 6/6/14 ROUTE SR 19
 H.C. WESTFALL WEATHER SUNNY COUNTY OTTAWA
 R.C. RHOADES TEMP. 65° TOWNSHIP SALEM
 _____ MEYER _____ SECTION 17
 _____ T 6 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - ℄ PAV'T - ~~RIGHT~~ 0.8', 44' N. OF ℄ W.
10.5' TO LT. EDGE PAVEMENT
 S.L.M. 66+67.04
 GRID: NORTHING: 659853.592 EASTING: 1791715.874



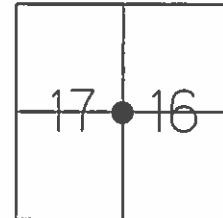
RECORD: P.I.
 STA. 66+57.55
 $\Delta = 0^{\circ}16' RT$
 P.K./WASHER ATOP
 P.K.NAIL
 FD P.K./WASHER
 8/5/96, MB
 SET P.K./WASHER
 10/29/96, MRC
 SET MAG/WASHER
 GPS, REF7
 1/15/13, MC
 FD MAG/WASHER
 GPS, REF8
 6/6/14, EBW
 SET MAG/WASHER
 GPS, FINREF7
 7/31/14, JLL



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 8 SHEET 9 OF 23
 NOTES LEU DATE 10/29/13 ROUTE SR 19
 H.C. WESTFALL WEATHER CLEAR COUNTY OTTAWA
 R.C. ALLEN TEMP. 42° TOWNSHIP SALEM
RHOADES SECTION 16, 17
MEYER, THOMAS T 6 N R 15 E

TYPE MONUMENT MON.BOX
 ON SURFACE - ~~BELOW~~ ON
 LEFT - Q PAV'T - ~~RIGHT~~ 1.6'
10.1' TO LT EDGE PAVEMENT
 S.L.M. 79+56.92



GRID: NORTHING: 661143.488 EASTING: 1791722.841

RECORD:
 STONE FD IN 1892,
 DEWITT
 E. $\frac{1}{4}$ SEC. 17
 W. $\frac{1}{4}$ SEC. 16
 P.I. STA= 79+57.02

RECORD:
 FD P.K.NAIL 2" BELOW
 8/5/96, MB
 SET P.K./WASHER
 10/14/96, MRC
 FD P.K.NAIL
 GPS, REF8
 1/15/13, MC

FD P.K./WASHER, ON SURFACE
 GPS, REF3
 NORTHING: 661143.471
 EASTING: 1791722.860

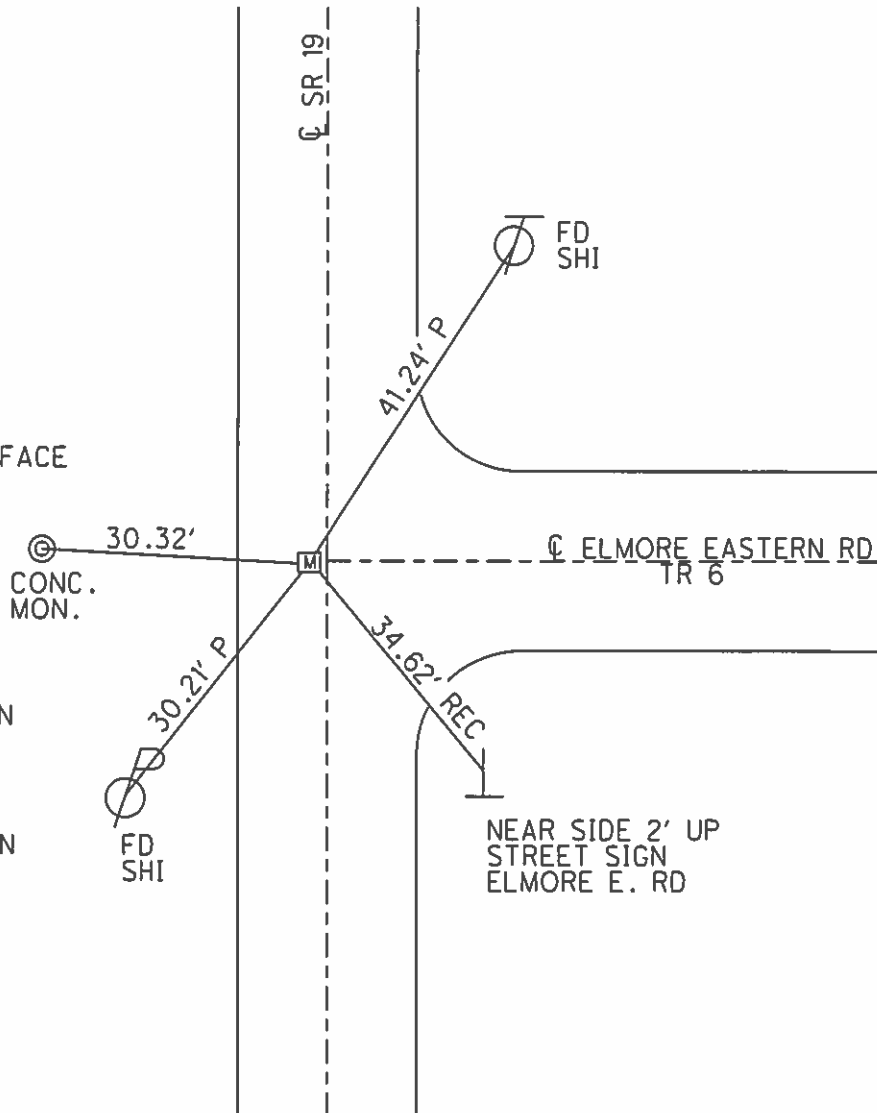
FD NAIL, 0.50' DOWN
 GPS, REFA3
 S= 0.03', W= 0.08'
 OF REF3, P.K./WASHER

FD R.R.SPIKE, 0.64' DOWN
 GPS, REFB3
 S= 0.04', W= 0.06'
 OF REF3, P.K./WASHER

FD BRICK RD., 0.75' DOWN

DUG TO 2.4' DOWN
 DNF STONE RECORDED IN
 1892, DEWITT

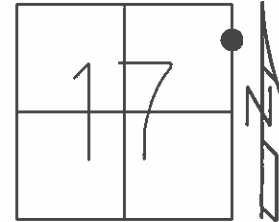
SET MAG SPIKE
 MON.BOX SET
 GPS, FINREF8
 8/7/14, JLL



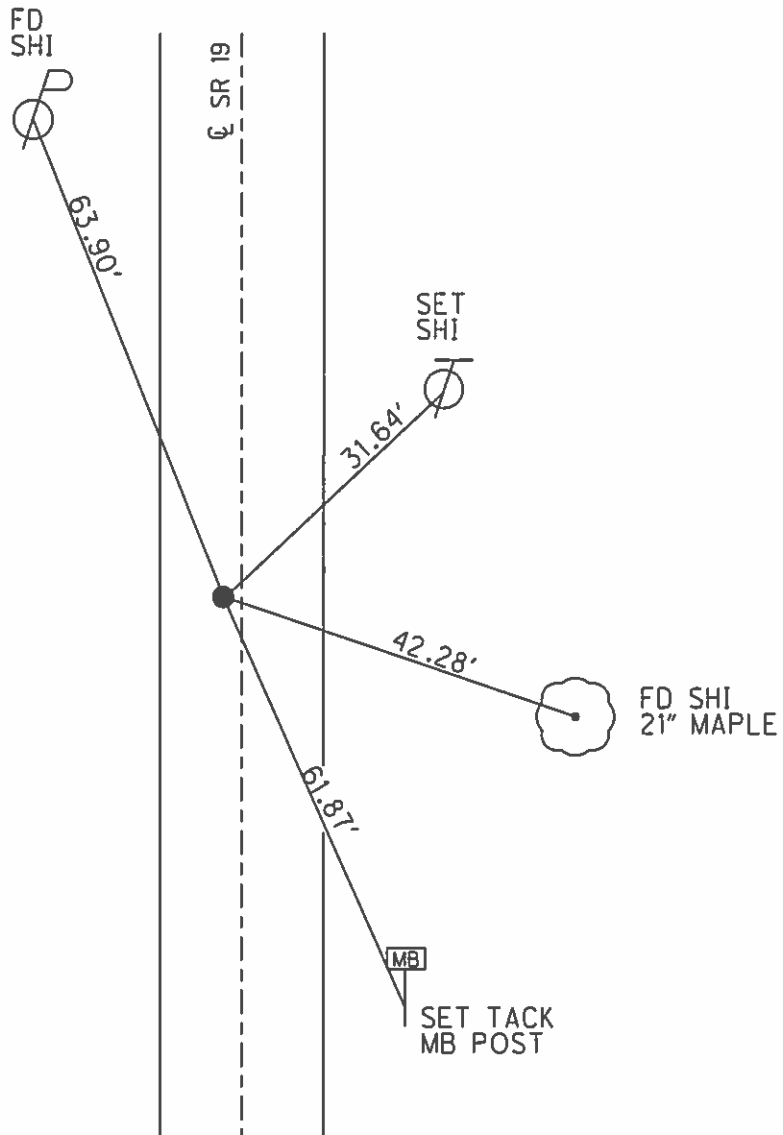
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 9 SHEET 10 OF 23
 NOTES LEU DATE 6/6/14 ROUTE SR 19
 H.C. WESTFALL WEATHER SUNNY COUNTY OTTAWA
 R.C. RHOADES TEMP. 65° TOWNSHIP SALEM
 _____ MEYER _____ SECTION 17
 T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - BELOW ON
 LEFT - Q PAV'T - RIGHT 2.1'
9.0' TO LT EDGE PAVEMENT
 S.L.M. 98+57.28
 GRID: NORTHING: 663043.812 EASTING: 1791726.215



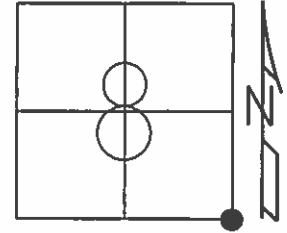
RECORD: P.I.
 STA. 98+57.48
 $\Delta = 0^{\circ}03' RT$
 P.K./WASHER ATOP
 P.K.NAIL
 FD P.K./WASHER
 8/5/96, MB
 SET P.K./WASHER
 11/4/96, MRC
 FD P.K./WASHER
 GPS, REF9
 1/15/13, MC
 FD P.K./WASHER
 GPS, REF10
 6/6/14, EBW
 SET MAG/WASHER
 GPS, FINREF9
 7/31/14, JLL



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL	REFERENCE NO.	10	SHEET	11	OF	23
NOTES	LEU	DATE	8/7/14	ROUTE	SR 19	
H.C.	WESTFALL	WEATHER	SUNNY	COUNTY	OTTAWA	
R.C.	ALLEN	TEMP.	72°	TOWNSHIP	SALEM	
	RHOADES			SECTION	8	
	MEYER, THOMAS			T 6 N	R 15 E	

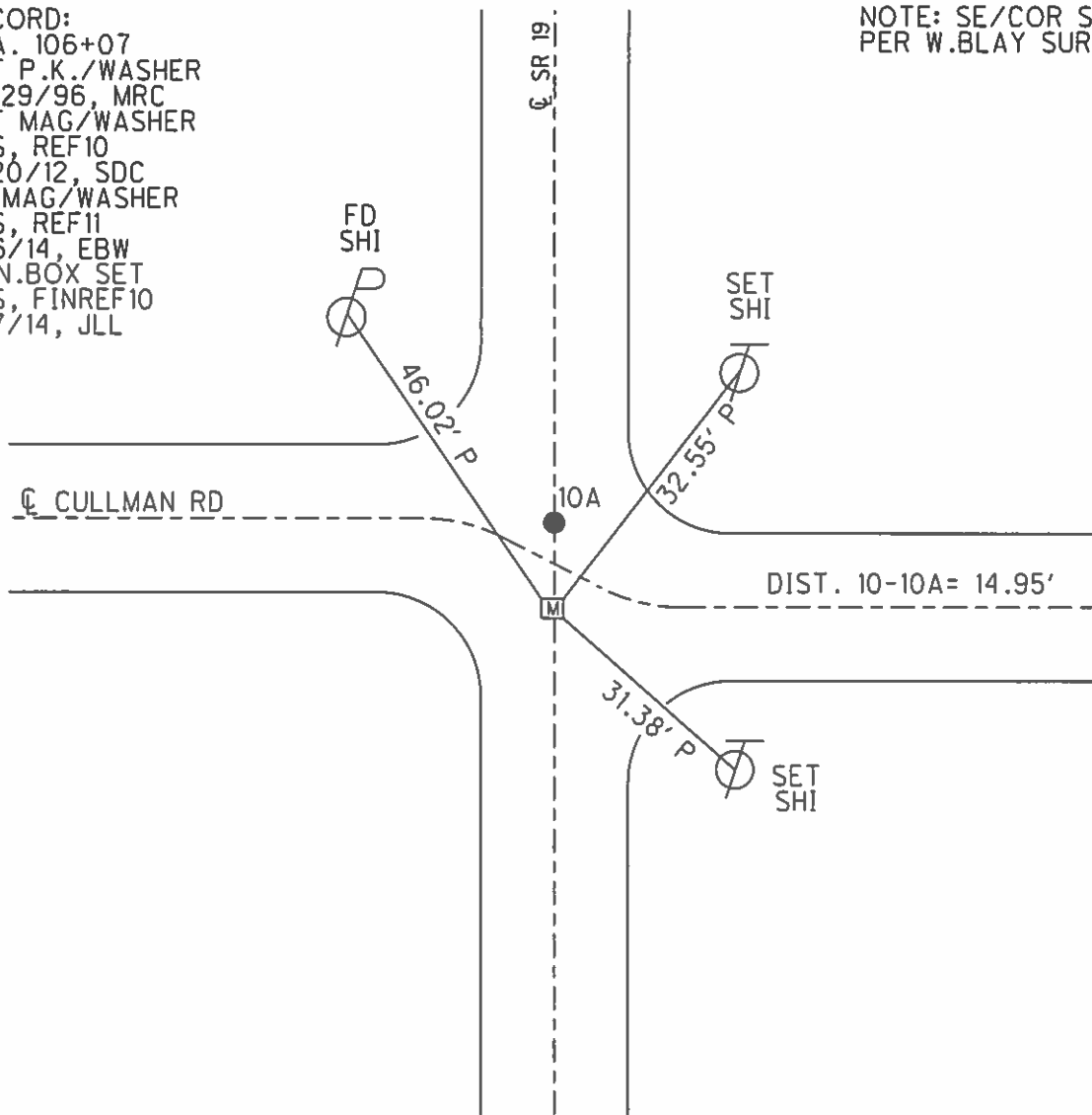
TYPE MONUMENT MON.BOX
 ON SURFACE - ~~BELOW~~ ON
 LEFT - ℄ PAV'T - ~~RIGHT~~ 1.1'
9.7' TO LT EDGE PAVEMENT
 S.L.M. 106+03.13



GRID: NORTHING: 663789.561 EASTING: 1791728.060

RECORD:
 STA. 106+07
 SET P.K./WASHER
 10/29/96, MRC
 SET MAG/WASHER
 GPS, REF10
 7/20/12, SDC
 FD MAG/WASHER
 GPS, REF11
 6/6/14, EBW
 MON.BOX SET
 GPS, FINREF10
 8/7/14, JLL

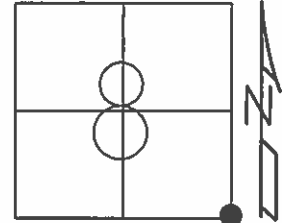
NOTE: SE/COR SEC. 8
 PER W.BLAY SURVEY



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

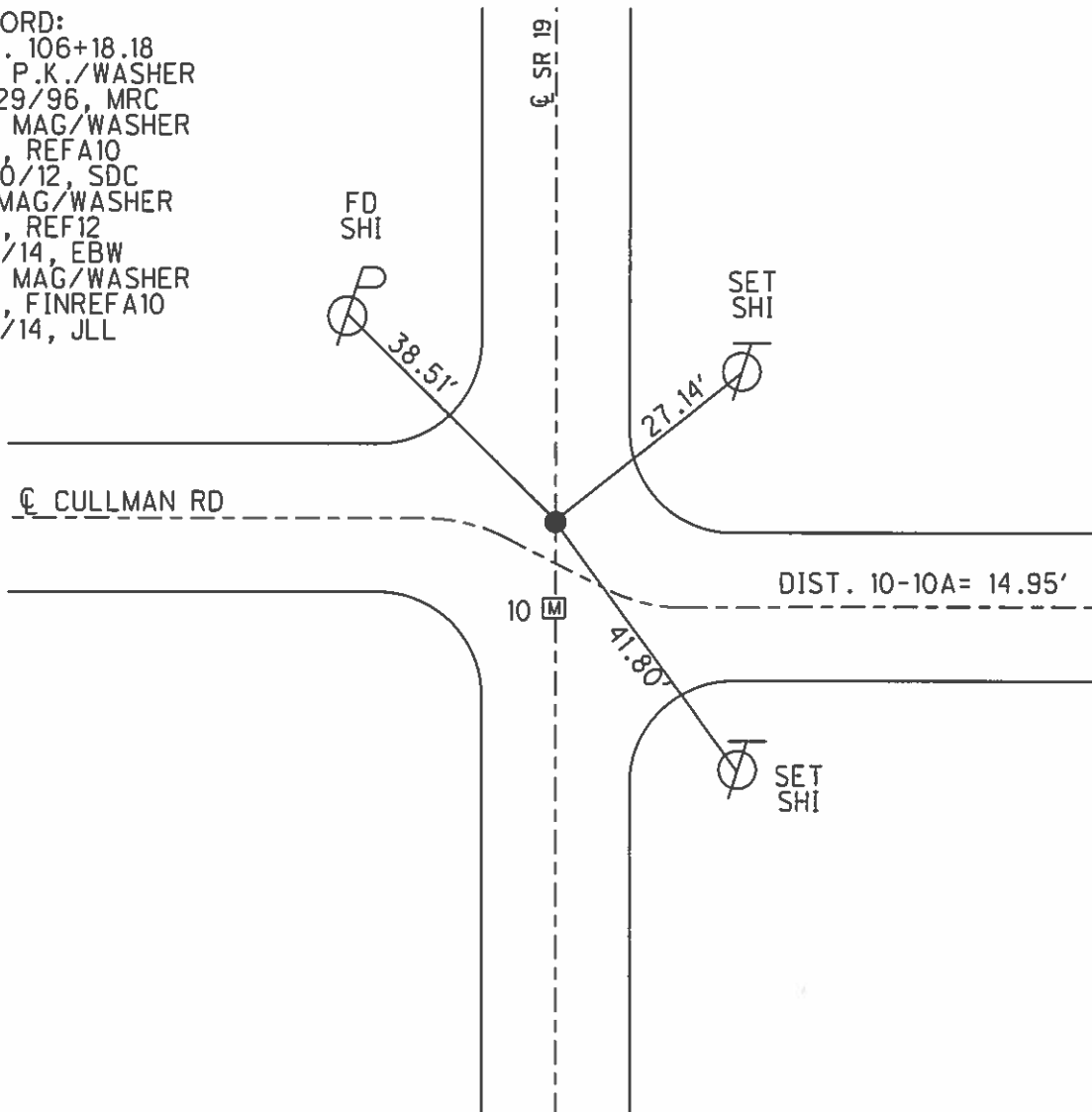
PERSONNEL	REFERENCE NO.	10 A	SHEET	12	OF	23
NOTES	MEYER	DATE	6/5/14	ROUTE	SR 19	
H.C.	HOMAN	WEATHER	SUNNY	COUNTY	OTTAWA	
R.C.	THOMAS	TEMP.	70°	TOWNSHIP	SALEM	
				SECTION	8	
				T. 6 N	R. 15 E	

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON
 LEFT - ℄ PAV'T - ~~RIGHT~~ 1.1'
- TO - EDGE PAVEMENT
 S.L.M. 106+17.99



GRID: NORTHING: 663804.513 EASTING: 1791728.030

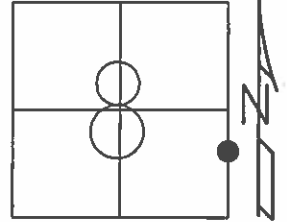
RECORD:
 STA. 106+18.18
 SET P.K./WASHER
 10/29/96, MRC
 SET MAG/WASHER
 GPS, REFA10
 7/20/12, SDC
 FD MAG/WASHER
 GPS, REF12
 6/6/14, EBW
 SET MAG/WASHER
 GPS, FINREFA10
 8/7/14, JLL



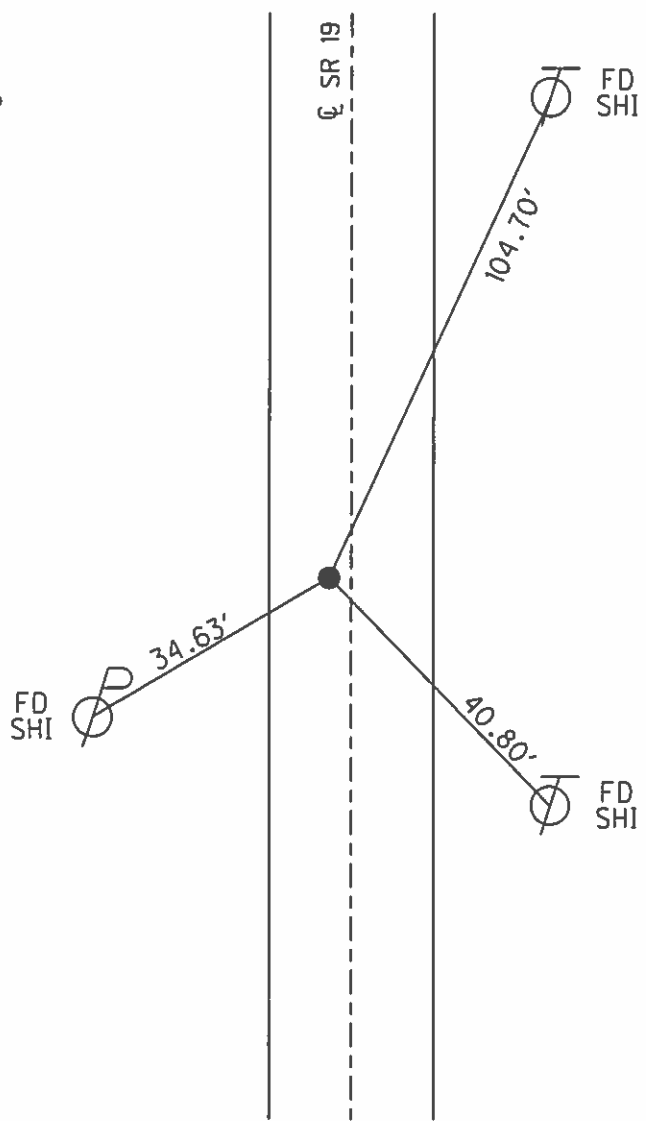
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 11 SHEET 13 OF 23
 NOTES MEYER DATE 6/5/14 ROUTE SR 19
 H.C. HOMAN WEATHER SUNNY COUNTY OTTAWA
 R.C. THOMAS TEMP. 70° TOWNSHIP SALEM
 SECTION 8
 T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - Q PAV'T - ~~RIGHT~~ 2.9'
8.4' TO LT EDGE PAVEMENT
 S.L.M. 121+85.61
 GRID: NORTHING: 665372.158 EASTING: 1791731.832



RECORD: P.I.
 STA. 121+85.60
 $\Delta = 0^{\circ}40' RT$
 P.K./WASHER ATOP
 P.K.NAIL
 FD P.K./WASHER
 8/5/96, MB
 SET P.K./WASHER
 11/4/96, MRC
 FD P.K./WASHER
 GPS, REF11
 1/15/13, MC
 FD P.K./WASHER
 GPS, REF13
 6/6/14, EBW
 SET MAG/WASHER
 GPS, FINREF11
 7/31/14, JLL



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 12 SHEET 14 OF 23
 NOTES MEYER _____ DATE 6/5/14 ROUTE SR 19
 H.C. HOMAN _____ WEATHER SUNNY COUNTY OTTAWA
 R.C. THOMAS _____ TEMP. 70° TOWNSHIP SALEM
 _____ SECTION 8
 _____ T 6 N R 15 E

TYPE MONUMENT P.K./WASHER

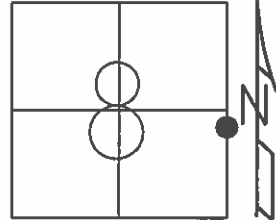
~~ON SURFACE~~ - BELOW 2"

LEFT - C PAV'T - RIGHT ON

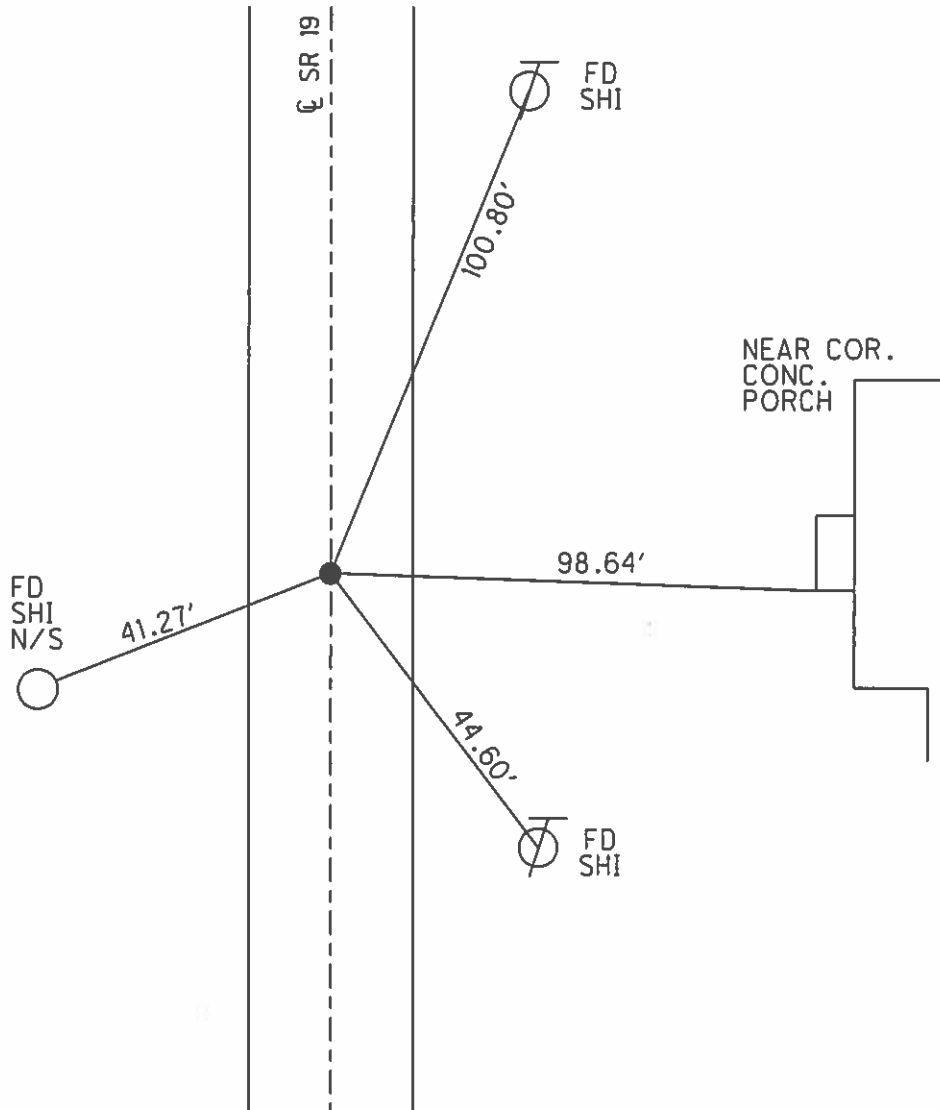
10.7' TO RT EDGE PAVEMENT

S.L.M. 128+47.14

GRID: NORTHING: 666033.643 EASTING: 1791741.811



RECORD: P.I.
 STA. 128+46.28
 $\Delta = 0^{\circ}01' RT$
 P.K./WASHER ATOP
 P.K.NAIL
 FD P.K./WASHER
 8/5/96, MB
 SET P.K./WASHER
 11/4/96, MRC
 FD P.K.SHANK
 GPS, REF12
 1/15/13, MC
 FD P.K./WASHER
 2" BELOW
 6/5/14
 GPS, REF14
 SET MAG/WASHER
 GPS, FINREF12
 7/31/14, JLL



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL

REFERENCE NO. 12 A

SHEET 15 OF 23

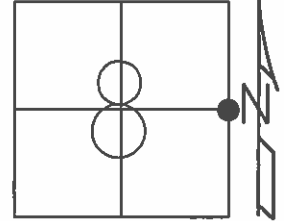
NOTES LEU
H.C. WESTFALL
R.C. ALLEN
RHOADES
THOMAS, MEYER

DATE 8/7/14
WEATHER SUNNY
TEMP. 72°

ROUTE SR 19
COUNTY OTTAWA
TOWNSHIP SALEM
SECTION 8
T 6 N R 15 E

TYPE MONUMENT MON.BOX
ON SURFACE - ~~BELOW~~ ON
LEFT - ℄ PAV'T - ~~RIGHT~~ 8"
- TO - EDGE PAVEMENT
S.L.M. 132+56

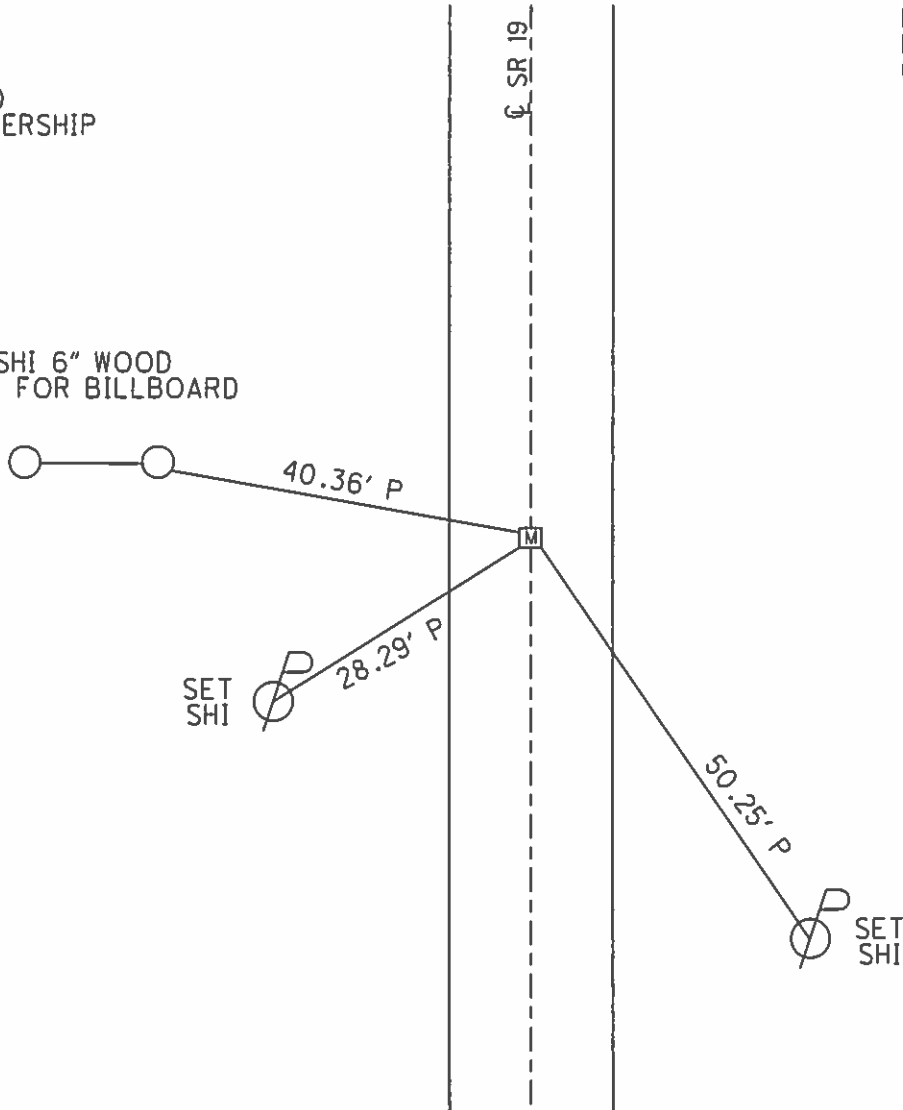
GRID: NORTHING: 666438.797 EASTING: 1791734.403



FORD
DEALERSHIP

RECORD:
MON.BOX SET
GPS, FINREFA12

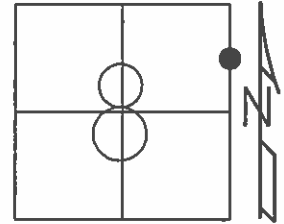
SET SHI 6" WOOD
POST FOR BILLBOARD



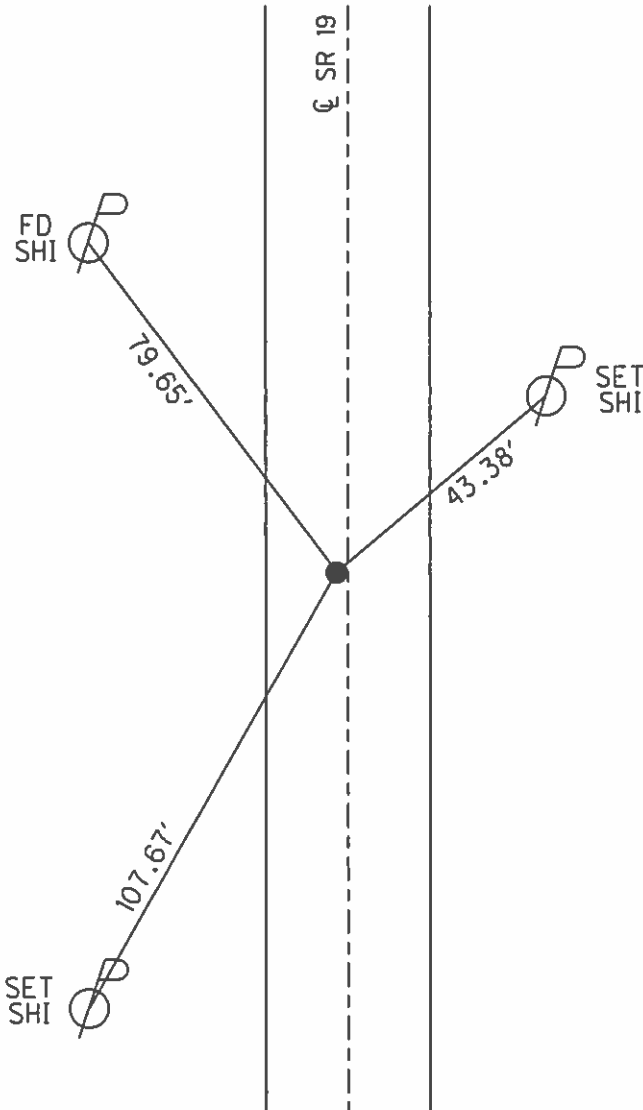
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 13 SHEET 16 OF 23
 NOTES MEYER DATE 6/5/14 ROUTE SR 19
 H.C. HOMAN WEATHER SUNNY COUNTY OTTAWA
 R.C. THOMAS TEMP. 70° TOWNSHIP SALEM
 _____ SECTION 8
 _____ T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON
 LEFT - Q PAV'T - ~~RIGHT~~ 1.0'
9.8' TO LT EDGE PAVEMENT
 S.L.M. 135+93.49



GRID: NORTHING: 666779.911 EASTING: 1791741.648

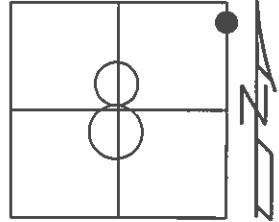


RECORD: P.I.
 STA. 135+93.48
 $\Delta = 0^{\circ}22' RT$
 P.K./WASHER ATOP
 P.K.NAIL
 FD P.K./WASHER
 8/5/96, MB
 SET P.K./WASHER
 11/4/96, MRC
 FD P.K./WASHER
 GPS, REF13
 1/15/13, MC
 6/6/14, EBW
 SET MAG/WASHER
 GPS, FINREF13
 7/31/14, JLL

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

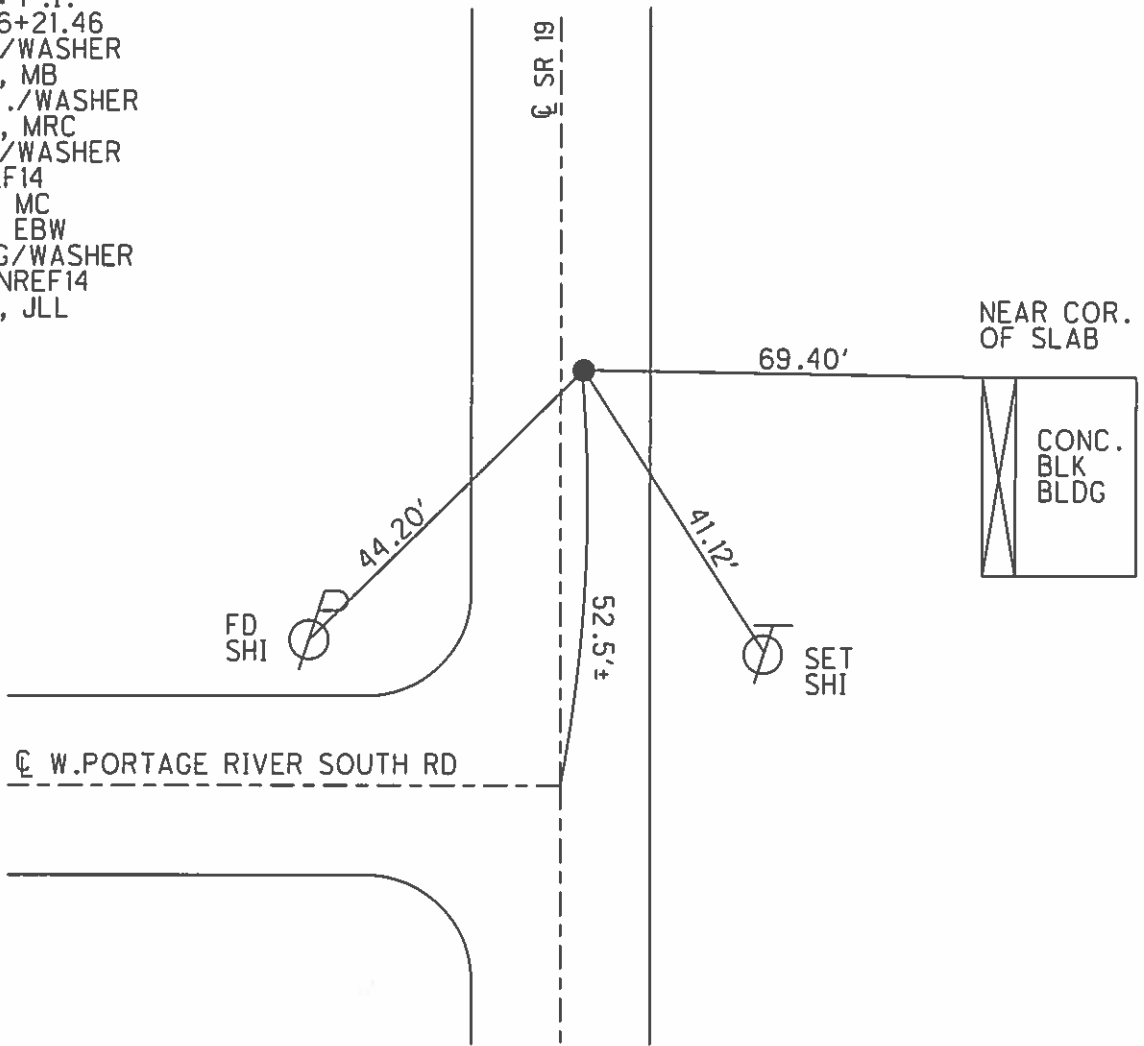
PERSONNEL _____ REFERENCE NO. 14 SHEET 17 OF 23
 NOTES MEYER DATE 6/5/14 ROUTE SR 19
 H.C. HOMAN WEATHER SUNNY COUNTY OTTAWA
 R.C. THOMAS TEMP. 70° TOWNSHIP SALEM
 _____ SECTION 8
 _____ T 6 N R 15 E

TYPE MONUMENT MAG NAIL
 ON SURFACE - ~~BELOW~~ ON _____
~~LEFT~~ - ℄ PAV'T - RIGHT 1.8'
9.3' TO RT EDGE PAVEMENT
 S.L.M. 146+21.28



GRID: NORTHING: 667807.727 EASTING: 1791746.690

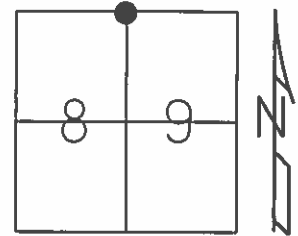
RECORD: P.I.
 STA. 146+21.46
 FD P.K./WASHER
 8/5/96, MB
 SET P.K./WASHER
 11/4/96, MRC
 FD P.K./WASHER
 GPS, REF14
 1/15/13, MC
 6/6/14, EBW
 SET MAG/WASHER
 GPS, FINREF14
 7/31/14, JLL



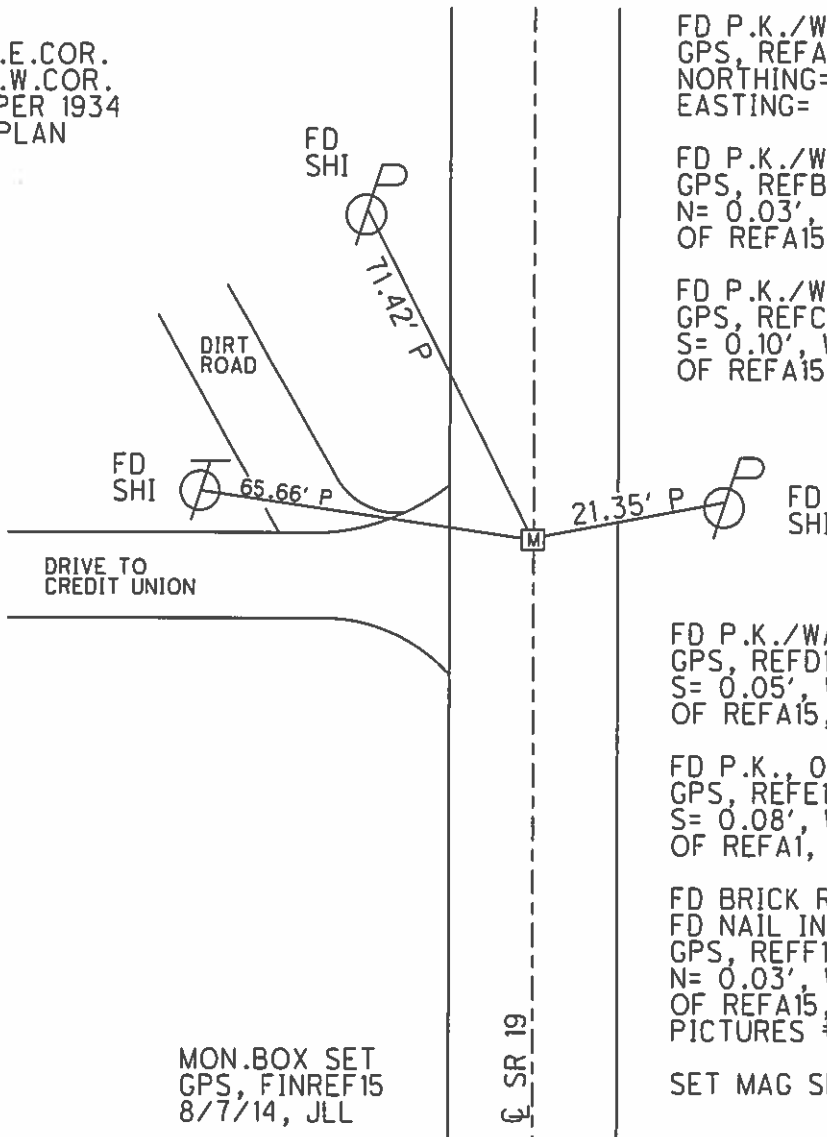
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 15 SHEET 18 OF 23
 NOTES LEU DATE 8/7/14 ROUTE SR 19
 H.C. WESTFALL WEATHER SUNNY COUNTY OTTAWA
 R.C. ALLEN TEMP. 72° TOWNSHIP SALEM
RHOADES SECTION 8, 9
THOMAS, MEYER T 6 N R 15 E

TYPE MONUMENT MON.BOX
~~ON SURFACE~~ - BELOW 0.98'
 LEFT - Q PAV'T - ~~RIGHT~~ 0.6'
TO - EDGE PAVEMENT
 S.L.M. 159+12 REC.
 GRID: NORTHING: 669085.530 EASTING: 1791740.494



RECORD:
 SEC.8 N.E.COR.
 SEC.9 N.W.COR.
 P.O.T. PER 1934
 BRIDGE PLAN



FD P.K./WASHER, ON SURFACE
 GPS, REFA15
 NORTHING= 669085.509
 EASTING= 1791740.599

FD P.K./WASHER, 0.25' DOWN
 GPS, REFB15
 N= 0.03', W= 0.06'
 OF REFA15, P.K./WASHER

FD P.K./WASHER, 0.42' DOWN
 GPS, REFC15
 S= 0.10', W= 0.09'
 OF REFA15, P.K./WASHER

FD P.K./WASHER, 0.69' DOWN
 GPS, REFD15
 S= 0.05', W= 0.03'
 OF REFA15, P.K./WASHER

FD P.K., 0.72' DOWN
 GPS, REFE15
 S= 0.08', W= 0.06'
 OF REFA1, P.K./WASHER

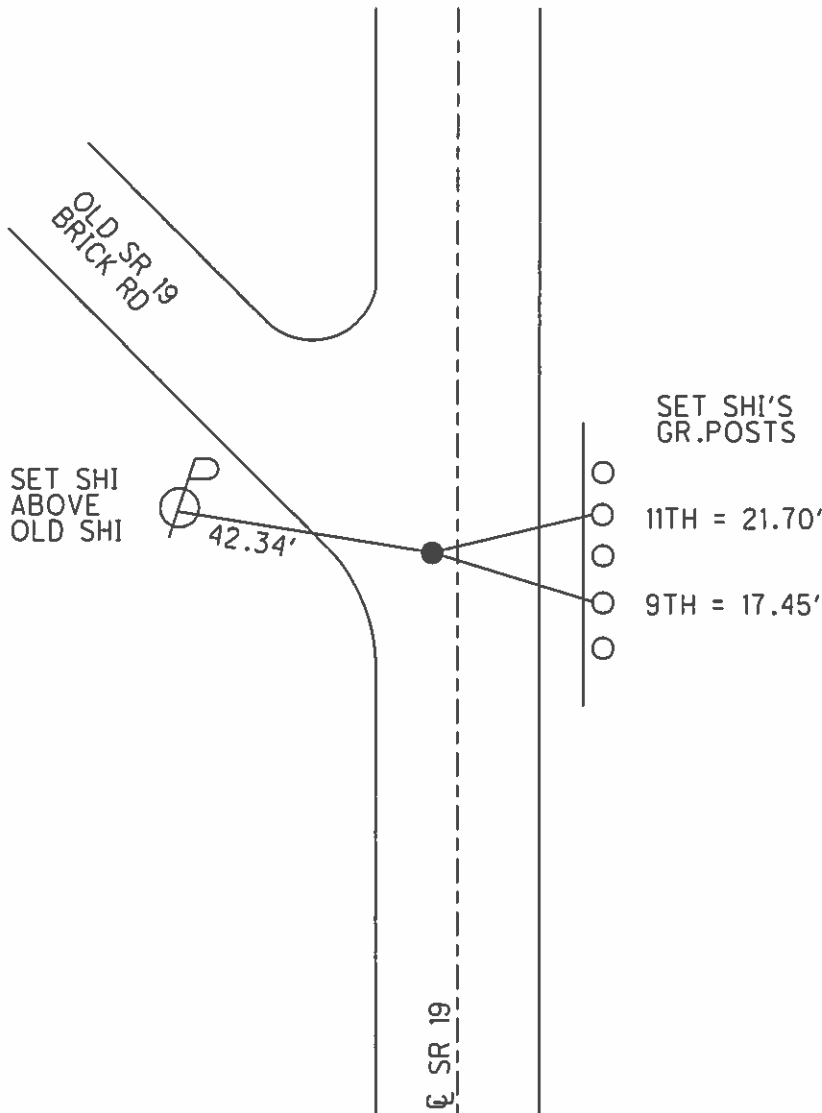
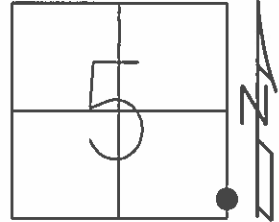
FD BRICK RD, 1.00' DOWN
 FD NAIL IN 1/2" IPIPE, 0.98' DOWN
 GPS, REFF15
 N= 0.03', W= 0.08'
 OF REFA15, P.K./WASHER
 PICTURES #435 & #436

SET MAG SPIKE

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 16 SHEET 19 OF 23
 NOTES MEYER DATE 6/5/14 ROUTE SR 19
 H.C. HOMAN WEATHER SUNNY COUNTY OTTAWA
 R.C. THOMAS TEMP. 70° TOWNSHIP SALEM
 _____ SECTION 5
 _____ T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - C PAV'T - ~~RIGHT~~ 2.5'
8.2' TO LT EDGE PAVEMENT
 S.L.M. 164+27.59
 GRID: NORTHING: 669614.069 EASTING: 1791738.222

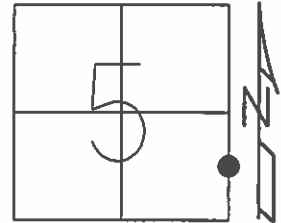


RECORD: P.I.
 STA. 0+71.20
 PER 1931 BRIDGE PLAN
 $\Delta = 4^{\circ}25'$ RT
 FD P.K./WASHER
 8/5/96, MB
 SET P.K./WASHER
 11/4/96, MRC
 FD P.K./WASHER
 GPS, REF16
 1/15/13, MC
 6/6/14, EBW
 SET MAG/WASHER
 GPS, FINREF16
 7/31/14, JLL

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

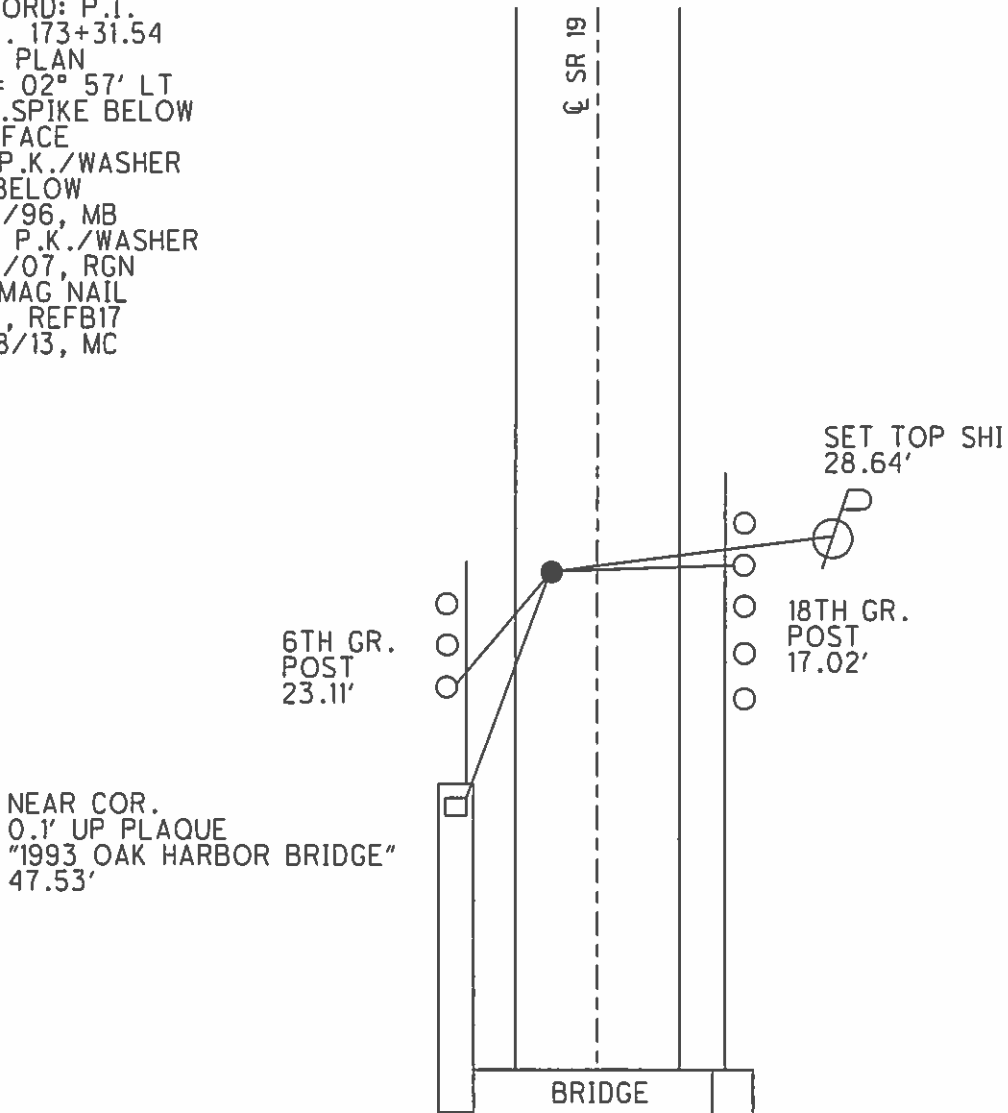
PERSONNEL _____ REFERENCE NO. 17 SHEET 20 OF 23
 NOTES HOMAN DATE 6/11/14 ROUTE SR 19
 H.C. WESTFALL WEATHER CLOUDY COUNTY OTTAWA
 R.C. LEU TEMP. 70° TOWNSHIP SALEM
 _____ SECTION 5
 _____ T 6 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON
 LEFT - CL PAV'T - ~~RIGHT~~ 6.0'
4' TO LT EDGE PAVEMENT
 S.L.M. 174+88.35



GRID: NORTHING: 670672.256 EASTING: 1791810.917

RECORD: P.I.
 STA. 173+31.54
 1951 PLAN
 $\Delta = 02^\circ 57' \text{ LT}$
 R.R. SPIKE BELOW
 SURFACE
 FD P.K./WASHER
 3" BELOW
 8/5/96, MB
 SET P.K./WASHER
 5/9/07, RGN
 FD MAG NAIL
 GPS, REFB17
 1/28/13, MC



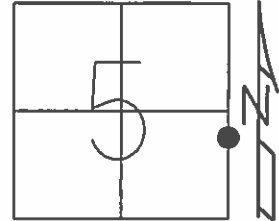
NEAR COR.
 0.1' UP PLAQUE
 "1993 OAK HARBOR BRIDGE"
 47.53'

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

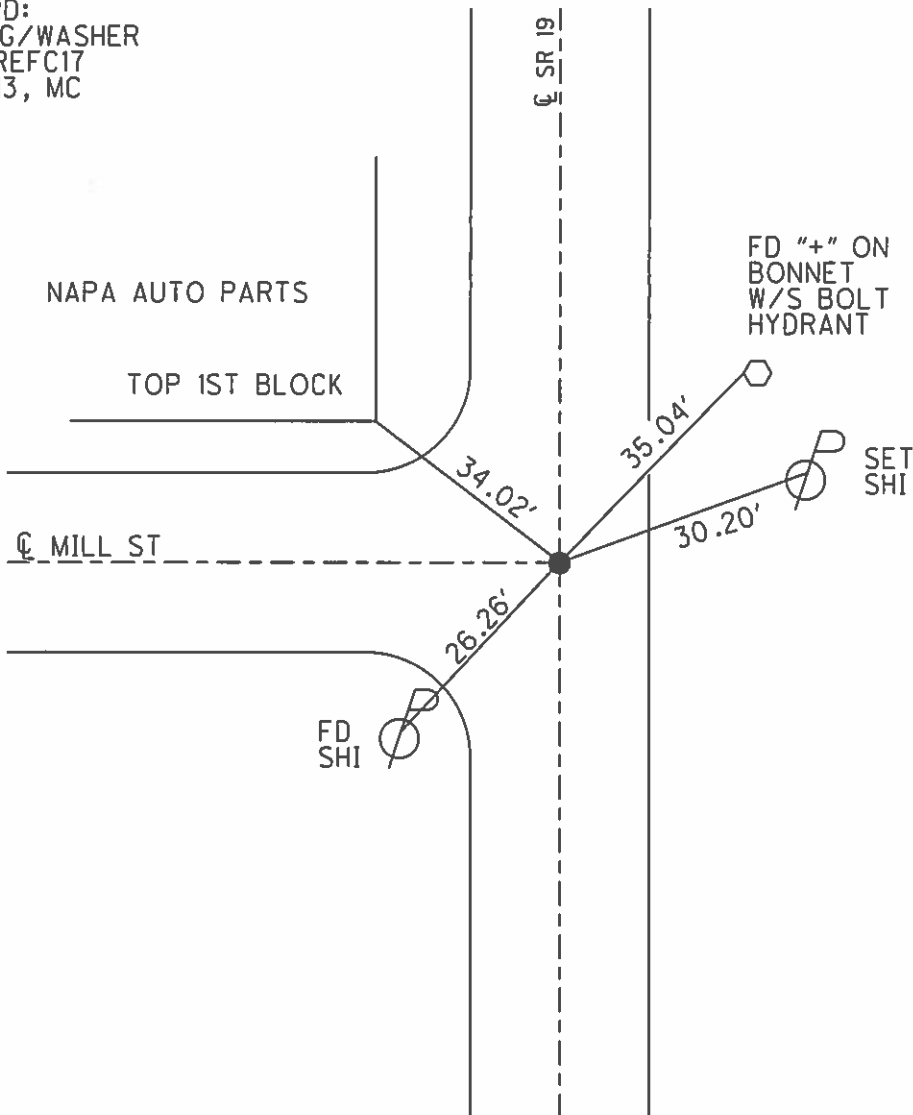
PERSONNEL _____ REFERENCE NO. 17 A SHEET 21 OF 23

NOTES HUSS DATE 2/1/06 ROUTE SR 19
 H.C. NUHFER WEATHER PTLY.CLOUDY COUNTY OTTAWA
 R.C. RYAN H. TEMP. 33° TOWNSHIP SALEM
 _____ SECTION 5
 _____ T 6 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - CL PAV'T - RIGHT ON _____
13' TO LT EDGE PAVEMENT
 S.L.M. 179+74.69
 GRID: NORTHING: 671158.394 EASTING: 1791823.836



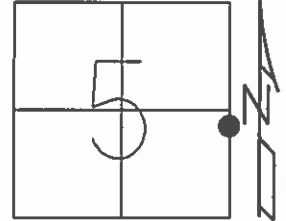
RECORD:
 FD MAG/WASHER
 GPS, REFC17
 1/28/13, MC



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

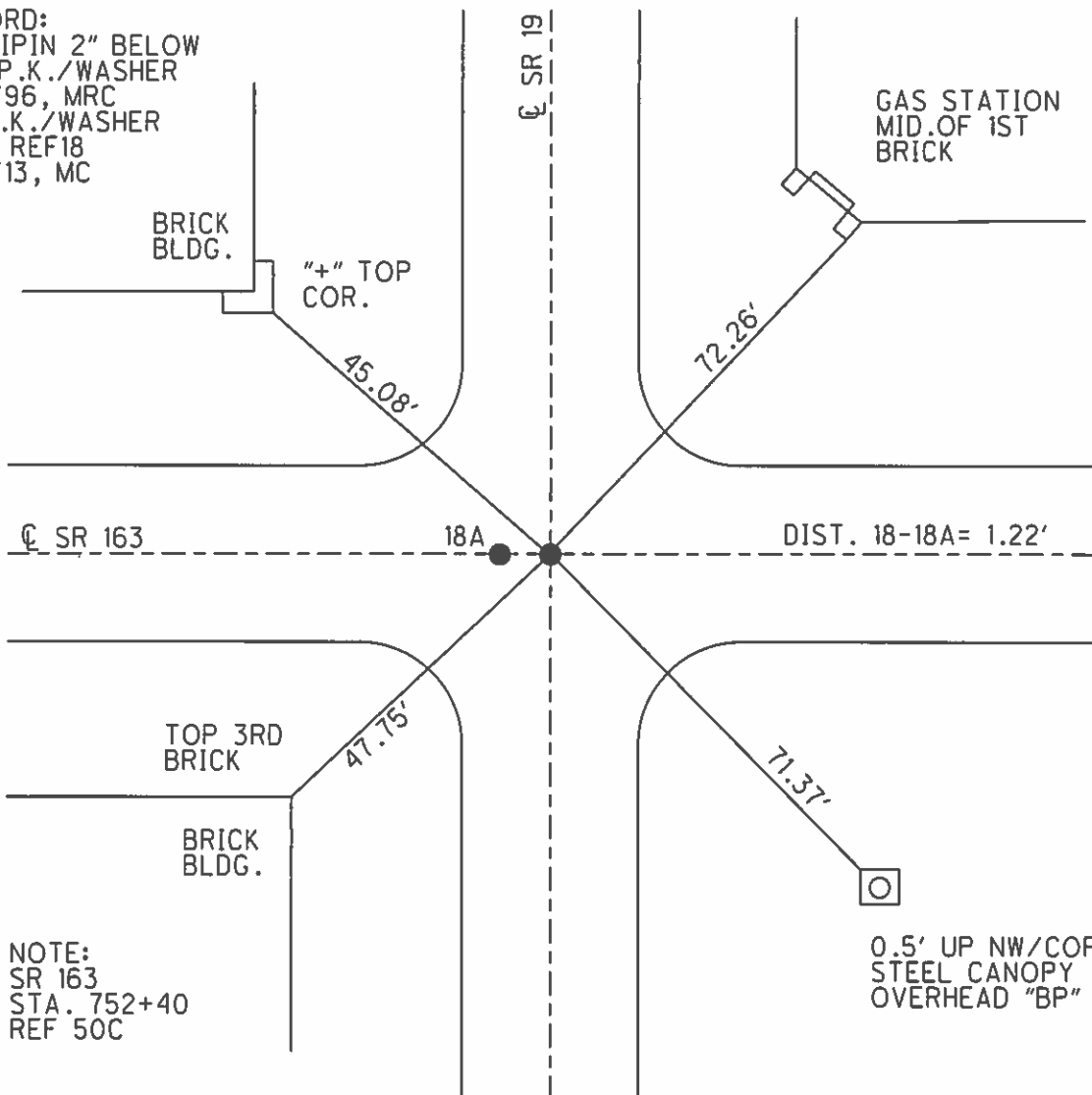
PERSONNEL _____ REFERENCE NO. 18 SHEET 22 OF 23
 NOTES NUHFER DATE 1/9/06 ROUTE SR 19
 H.C. CANTERBURY WEATHER CLOUDY COUNTY OTTAWA
 R.C. BARNHISEL TEMP. 32° TOWNSHIP SALEM
 _____ SECTION 5
 _____ T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON
 LEFT - ☉ PAV'T - RIGHT ON
 _____ TO _____ EDGE PAVEMENT
 S.L.M. 181+92.63



GRID: NORTHING: 671376.281 EASTING: 1791829.712

RECORD:
 1/2" IPIN 2" BELOW
 SET P.K./WASHER
 11/4/96, MRC
 FD P.K./WASHER
 GPS, REF18
 1/15/13, MC



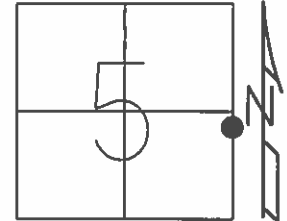
NOTE:
 SR 163
 STA. 752+40
 REF 50C

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 18 A SHEET 23 OF 23

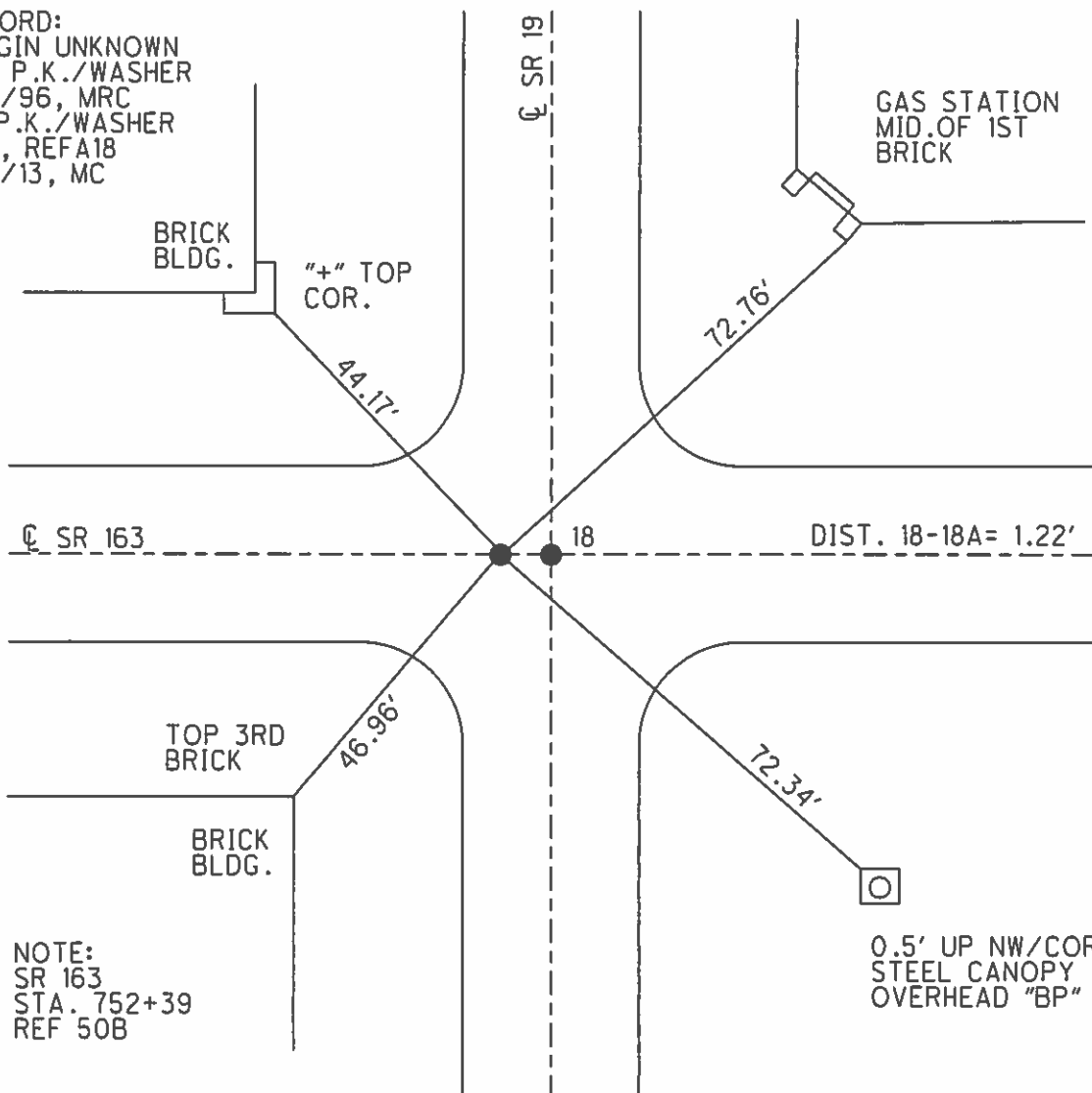
NOTES NUHFER DATE 1/9/06 ROUTE SR 19
 H.C. CANTERBURY WEATHER CLOUDY COUNTY OTTAWA
 R.C. BARNHESEL TEMP. 32° TOWNSHIP SALEM
 _____ SECTION 5
 _____ T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - ℄ PAV'T - ~~RIGHT~~ 1.22'
 _____ TO _____ EDGE PAVEMENT
 S.L.M. 181+92.63



GRID: NORTHING: 671376.472 EASTING: 1791828.481

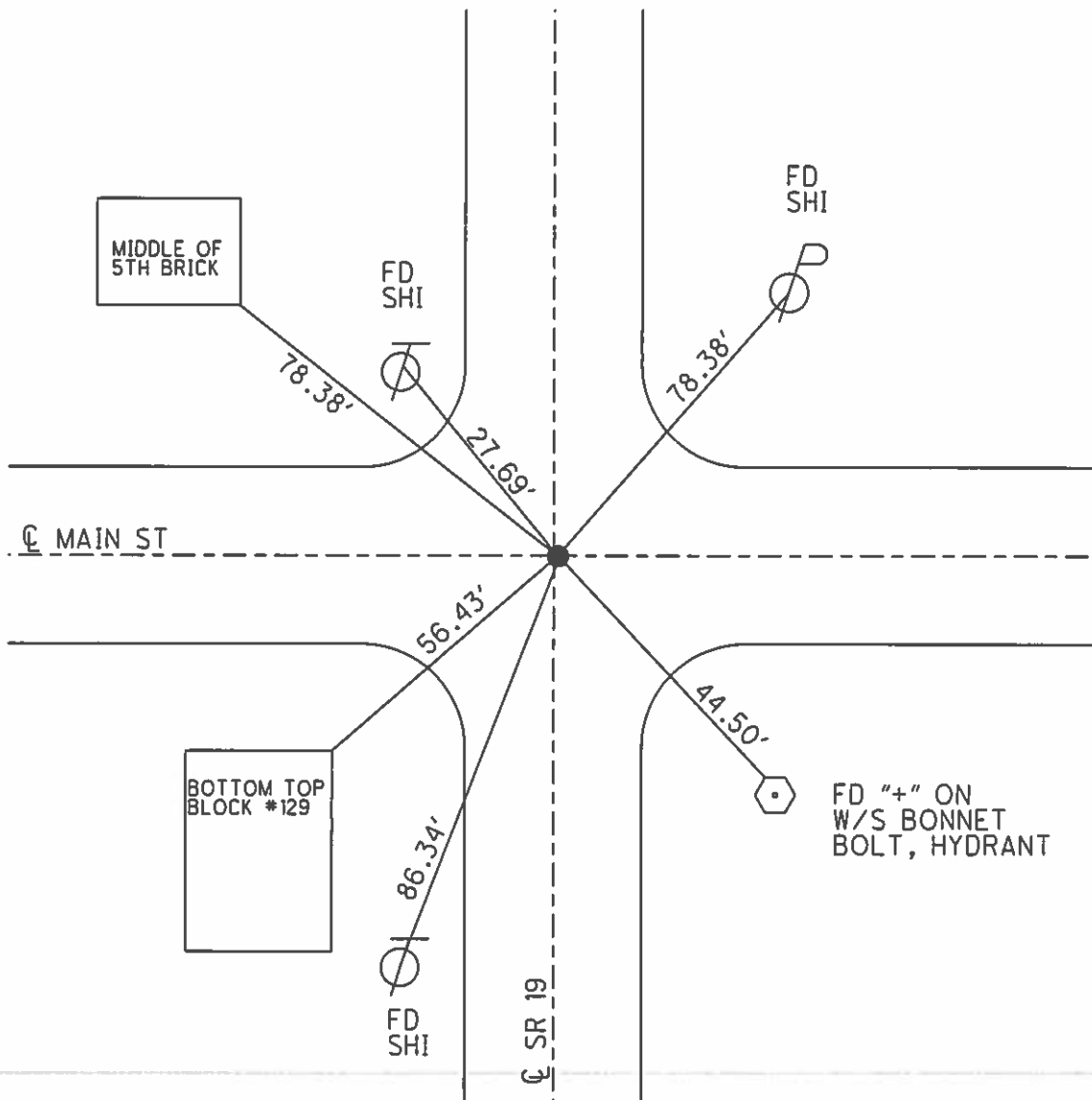
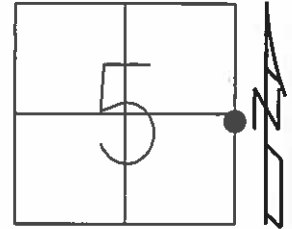
RECORD:
 ORIGIN UNKNOWN
 SET P.K./WASHER
 11/4/96, MRC
 FD P.K./WASHER
 GPS, REFA18
 1/15/13, MC



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL	REFERENCE NO.	19	SHEET	5	OF	33
NOTES	HUSS	DATE	3/15/07	ROUTE	SR	19
H.C.	CANTERBURY	WEATHER	FAIR	COUNTY	OTTAWA	
R.C.	HUSS	TEMP.	55°	TOWNSHIP	SALEM	
				SECTION	5	
				T	6	N
				R	15	E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON
~~LEFT~~ - ☉ PAV'T - RIGHT 0.8'
- TO - EDGE PAVEMENT
 S.L.M. 186+29.74
 Grid: Northing: 671790.057 Easting: 1791833.435

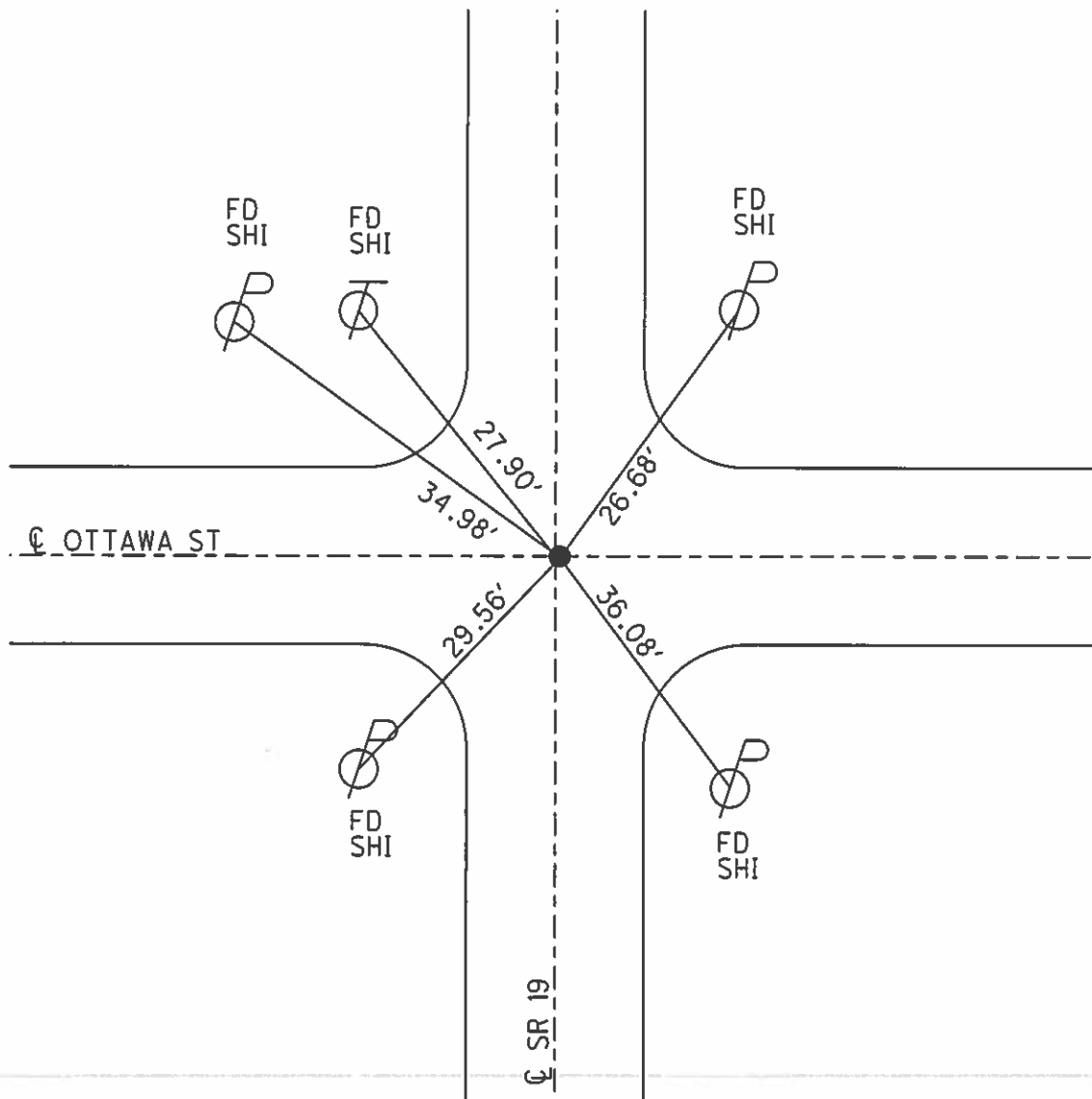
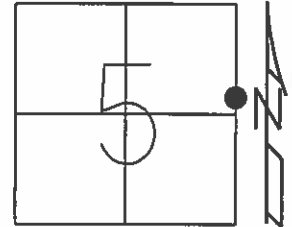


O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 20 SHEET 6 OF 33
 NOTES HUSS DATE 3/15/07 ROUTE SR 19
 H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA
 R.C. HUSS TEMP. 55° TOWNSHIP SALEM
 _____ SECTION 5
 _____ T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON
~~LEFT~~ - Q PAV'T - RIGHT 0.6'
13.4' TO LT EDGE PAVEMENT
 S.L.M. 190+41.92

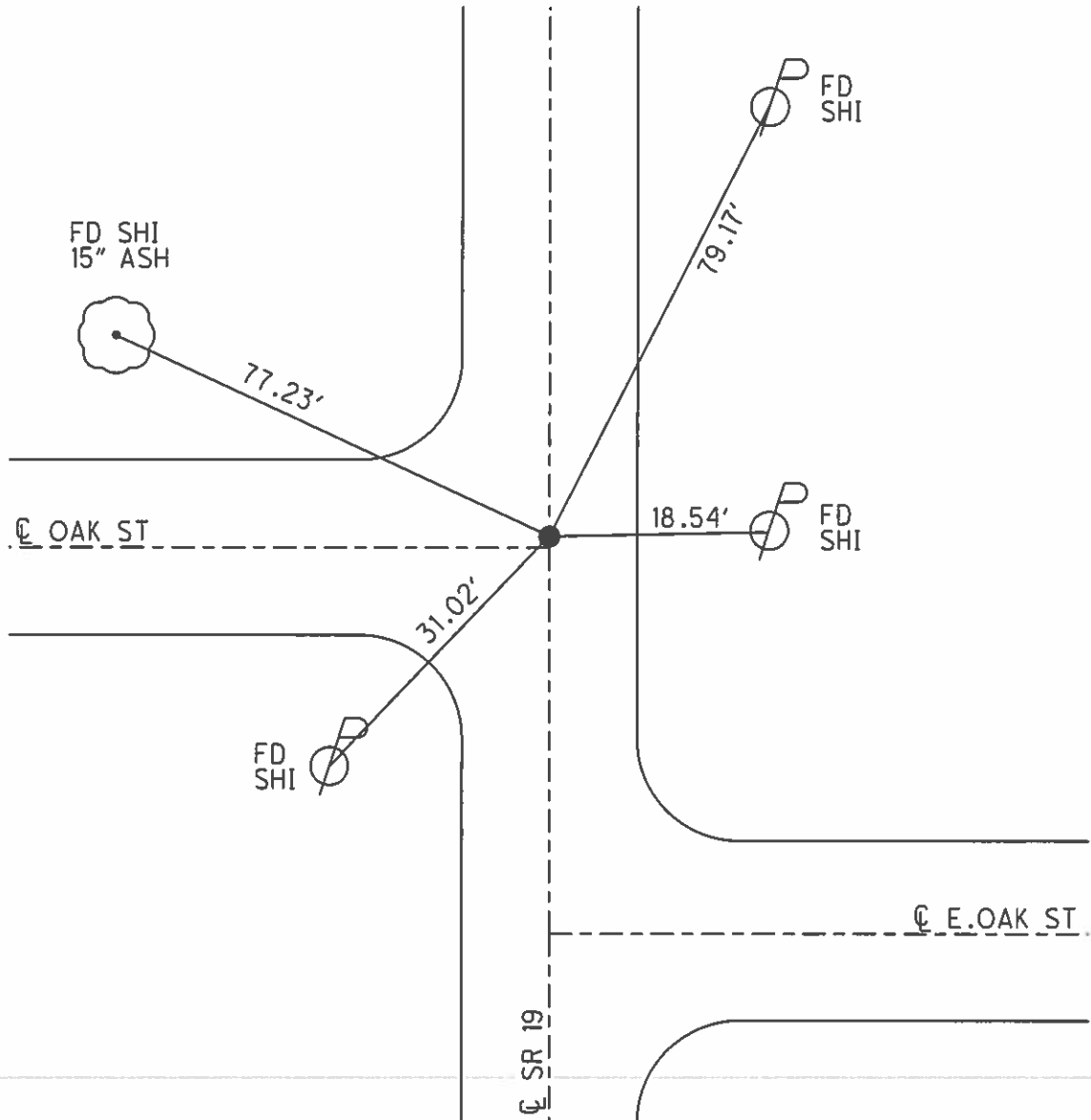
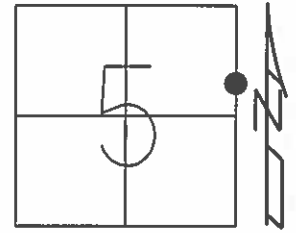
Grid: Northing: 672202.116 Easting: 1791837.639



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL	REFERENCE NO.	20 A	SHEET	7	OF	33
NOTES	DATE	10/28/09	ROUTE	SR 19		
H.C.	WEATHER	FAIR	COUNTY	OTTAWA		
R.C.	TEMP.	55°	TOWNSHIP	SALEM		
			SECTION	5		
			T	6	N	R
				15	E	

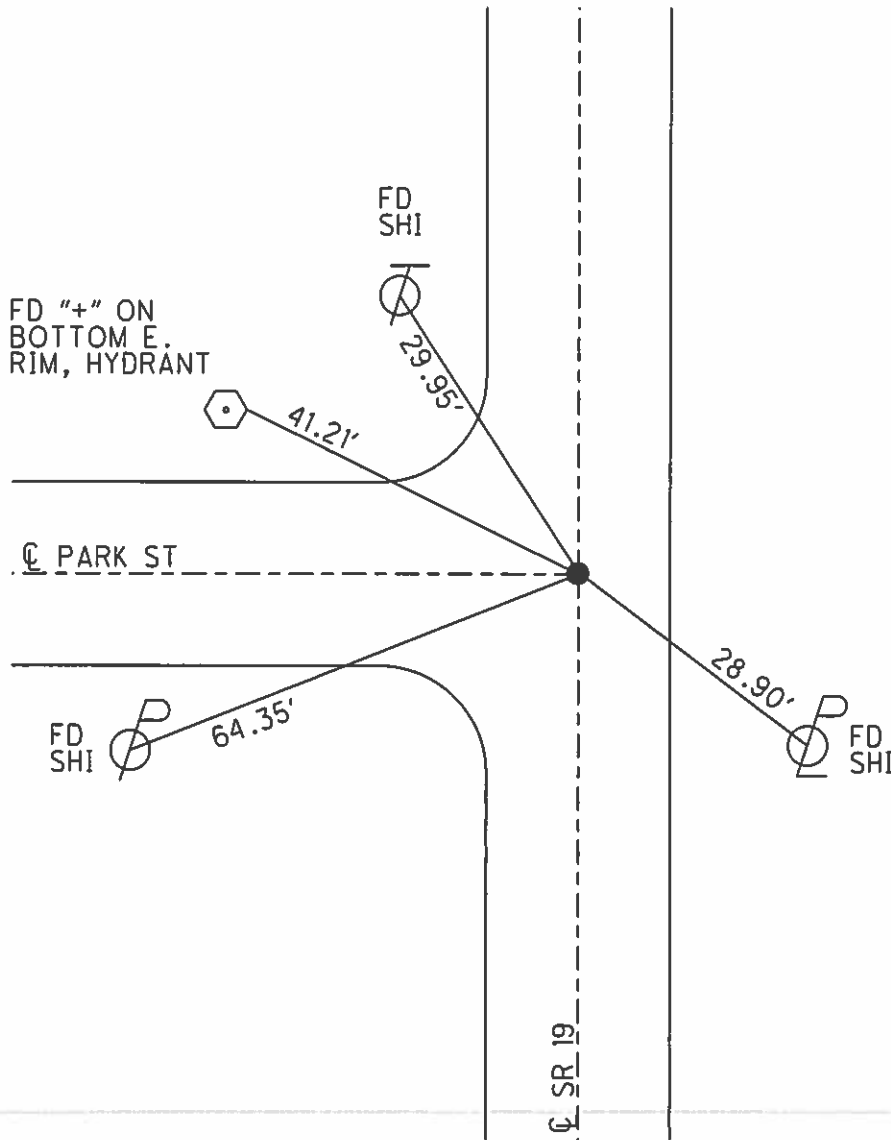
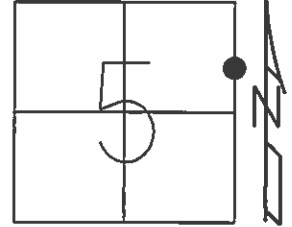
TYPE MONUMENT P.K./WASHER
 ON SURFACE ~~-BELOW~~ ON
~~LEFT~~ - Q PAV'T - RIGHT 0.6'
12.8' TO LT EDGE PAVEMENT
 S.L.M. 194+54.14
 Grid: Northing: 672614.315 Easting: 1791841.654



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 21 SHEET 8 OF 33
 NOTES HUSS DATE 10/28/09 ROUTE SR 19
 H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA
 R.C. HUSS TEMP. 55° TOWNSHIP SALEM
 _____ SECTION 5
 _____ T 6 N R 15 E

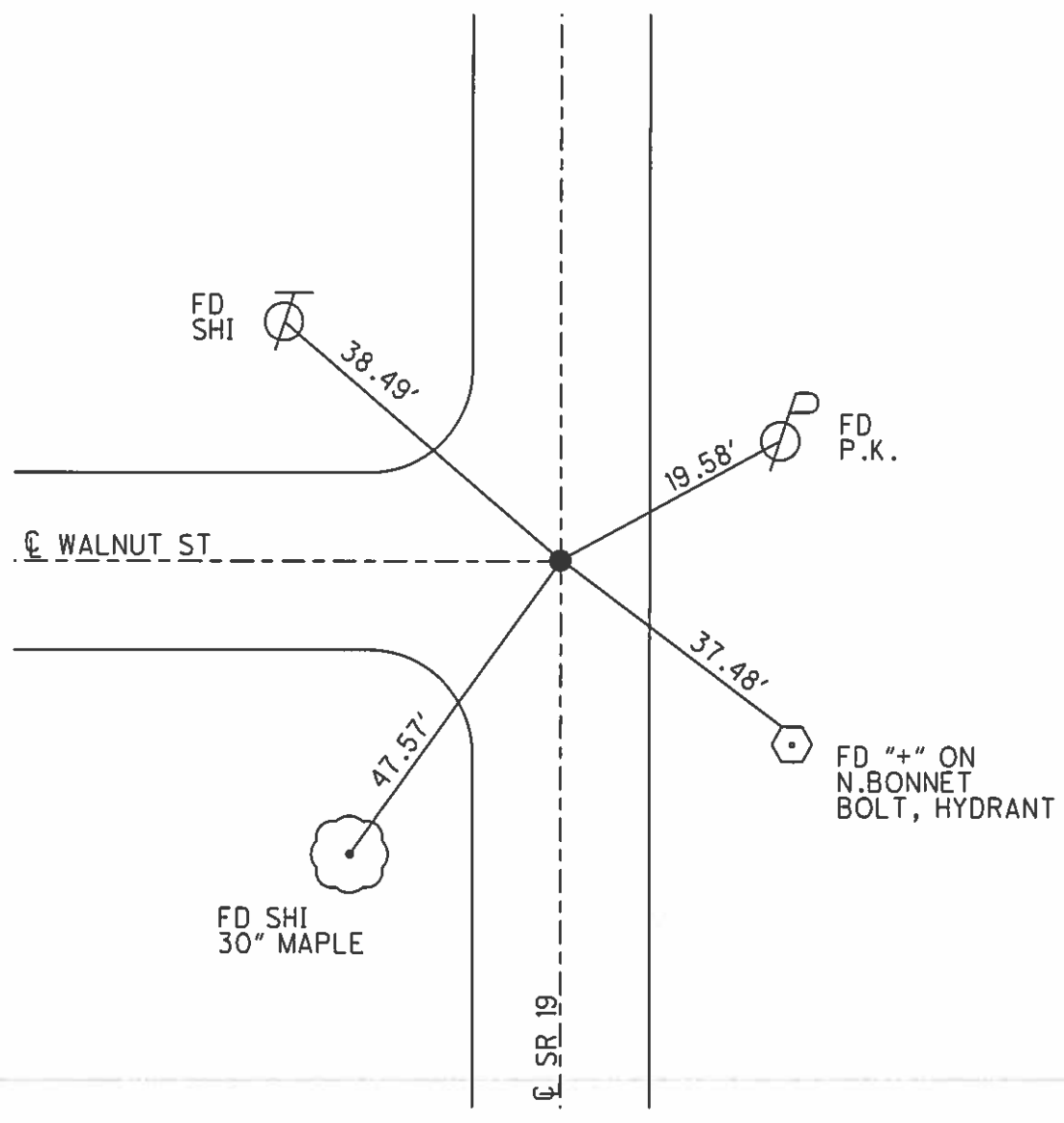
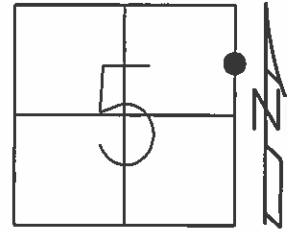
TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON
~~LEFT~~ - ☉ PAV'T - RIGHT 0.8'
11.7' TO RT EDGE PAVEMENT
 S.L.M. 198+66.26
 Grid: Northing: 673026.463 Easting: 1791846.136



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 21 A SHEET 9 OF 33
 NOTES HUSS DATE 10/28/09 ROUTE SR 19
 H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA
 R.C. HUSS TEMP. 55° TOWNSHIP SALEM
 SECTION 5
 T 6 N R 15 E

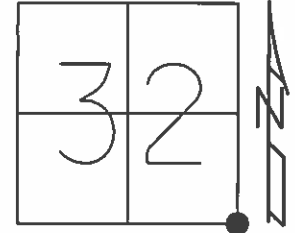
TYPE MONUMENT NAIL / SHINNER
 ON SURFACE - ~~BELOW~~ ON
~~LEFT~~ - Q PAV'T - RIGHT 0.4'
11.9' TO RT EDGE PAVEMENT
 S.L.M. 202+78.29
 Grid: Northing: 673438.453 Easting: 1791850.494



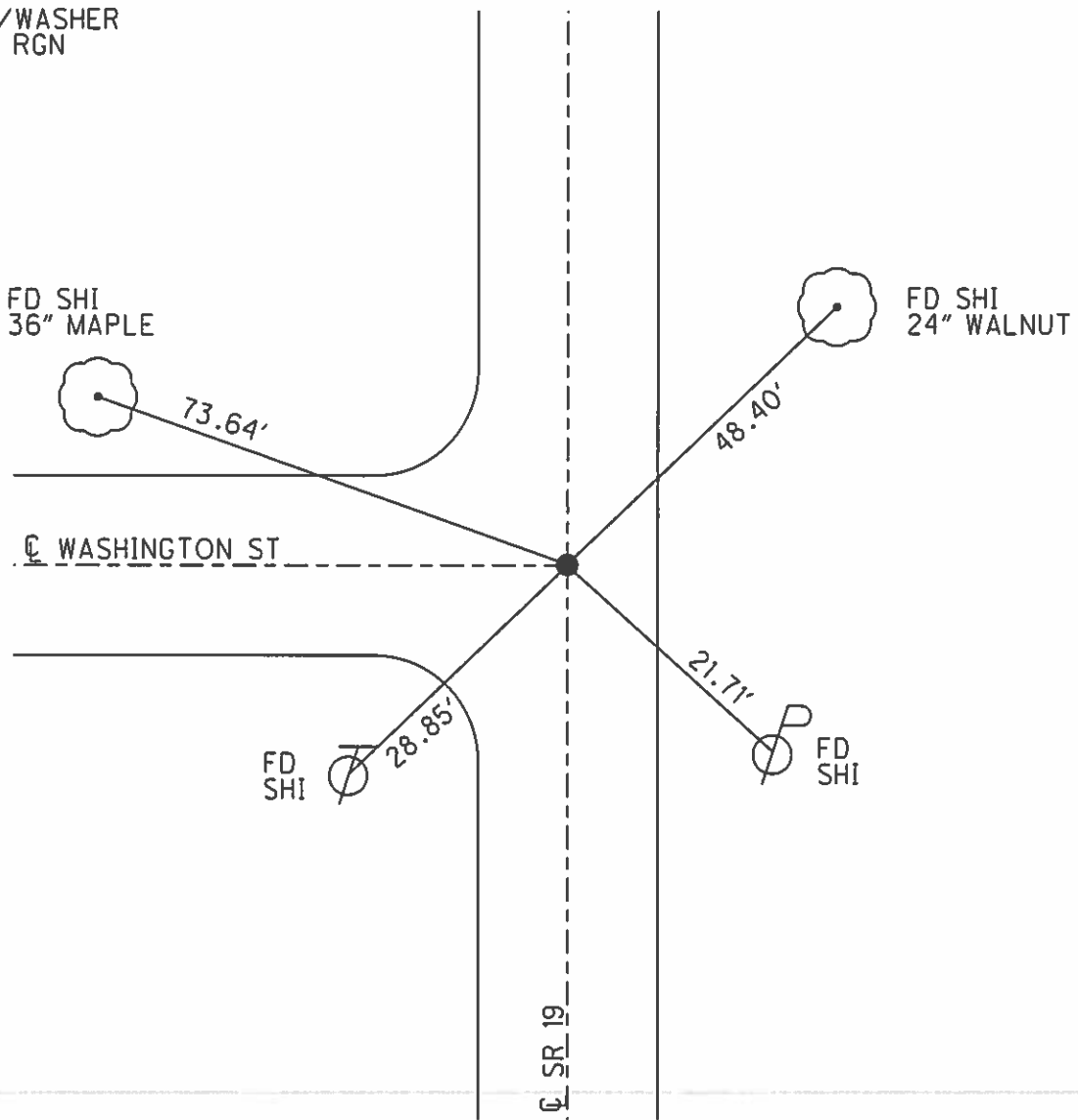
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 21 B SHEET 10 OF 33
 NOTES HUSS DATE 10/28/09 ROUTE SR 19
 H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA
 R.C. HUSS TEMP. 55° TOWNSHIP SALEM
 _____ SECTION 32
 _____ T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON
 LEFT - ☉ PAV'T - RIGHT ON
12.6' TO RT EDGE PAVEMENT
 S.L.M. 206+90.67
 Grid: Northing: 673850.812 Easting: 1791854.670



FD P.K./WASHER
 1/9/06, RGN



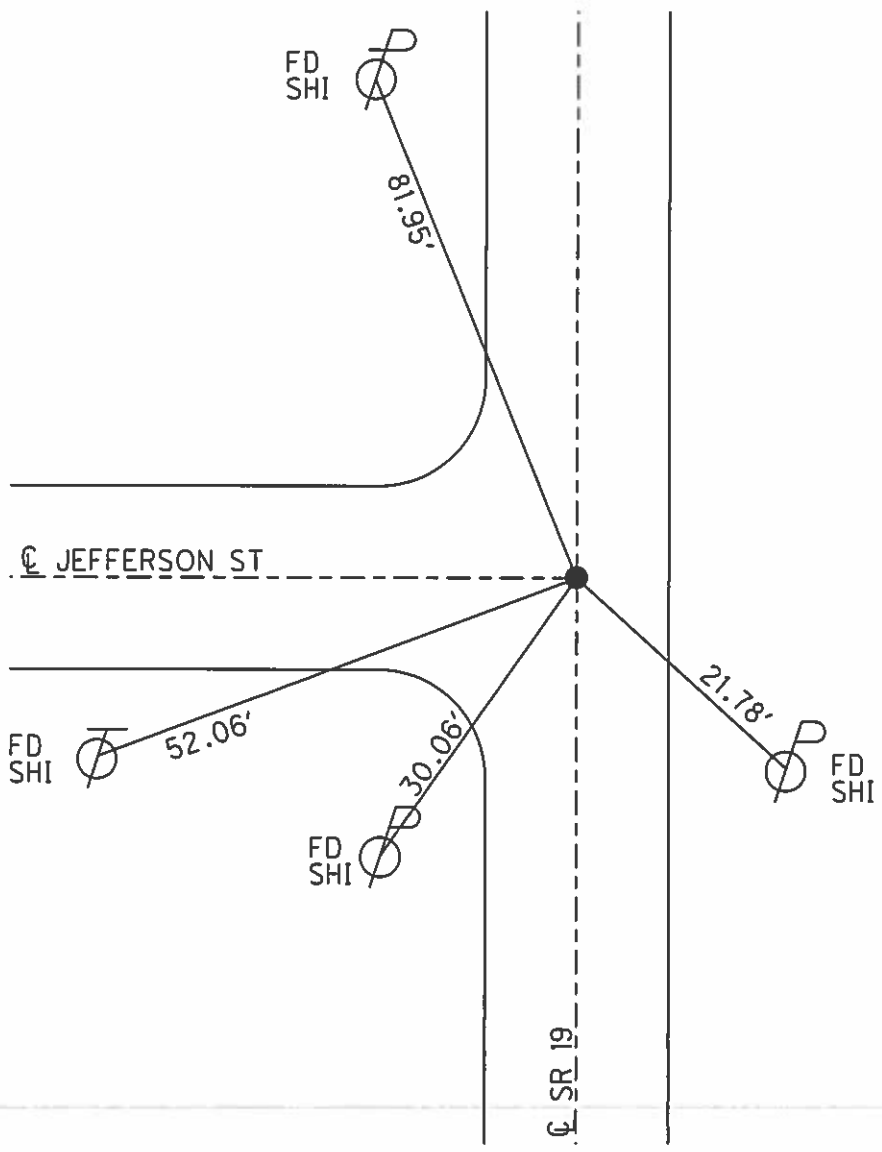
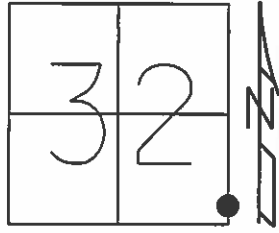
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 22 SHEET 11 OF 33

NOTES HUSS DATE 10/28/09 ROUTE SR 19
H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA
R.C. HUSS TEMP. 55° TOWNSHIP SALEM
SECTION 32
T 6 N R 15 E

TYPE MONUMENT MAG/WASHER
ON SURFACE - ~~BELOW~~ ON
LEFT - ☉ PAV'T - RIGHT ON
12.7' TO RT EDGE PAVEMENT
S.L.M. 211+02.81

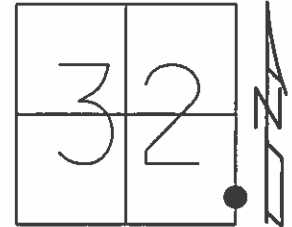
Grid: Northing: 674262.775 Easting: 1791858.851



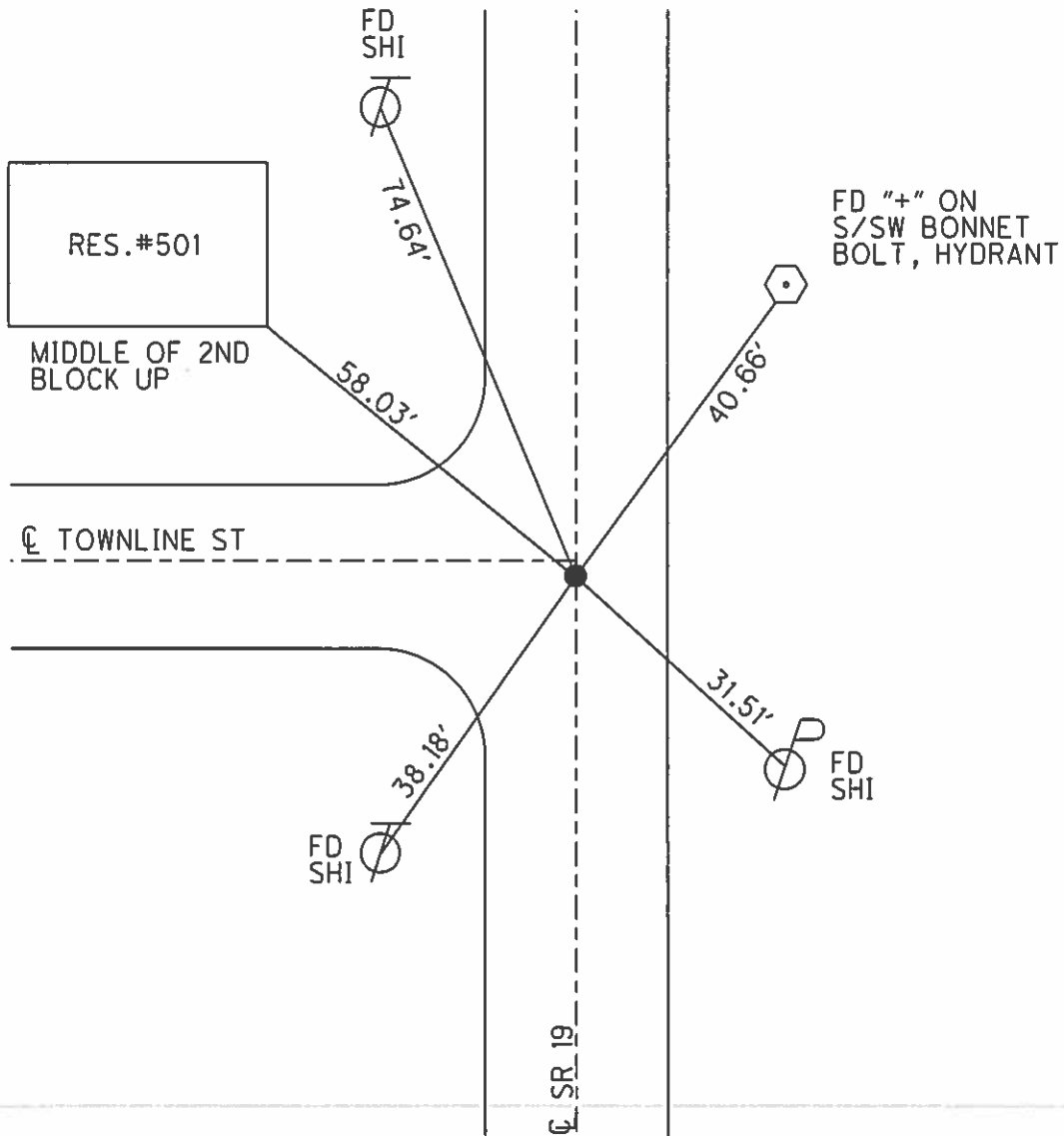
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 23 SHEET 12 OF 33
 NOTES HUSS DATE 10/28/09 ROUTE SR 19
 H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA
 R.C. HUSS TEMP. 55° TOWNSHIP SALEM
 SECTION 32
 T 6 N R 15 E

TYPE MONUMENT P.K./WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - ☉ PAV'T - RIGHT ON, 2' S. OF TOWNLIN
11.9' TO RT EDGE PAVEMENT
 S.L.M. 213+93.14



Grid: Northing: 674553.514 Easting: 1791861.906

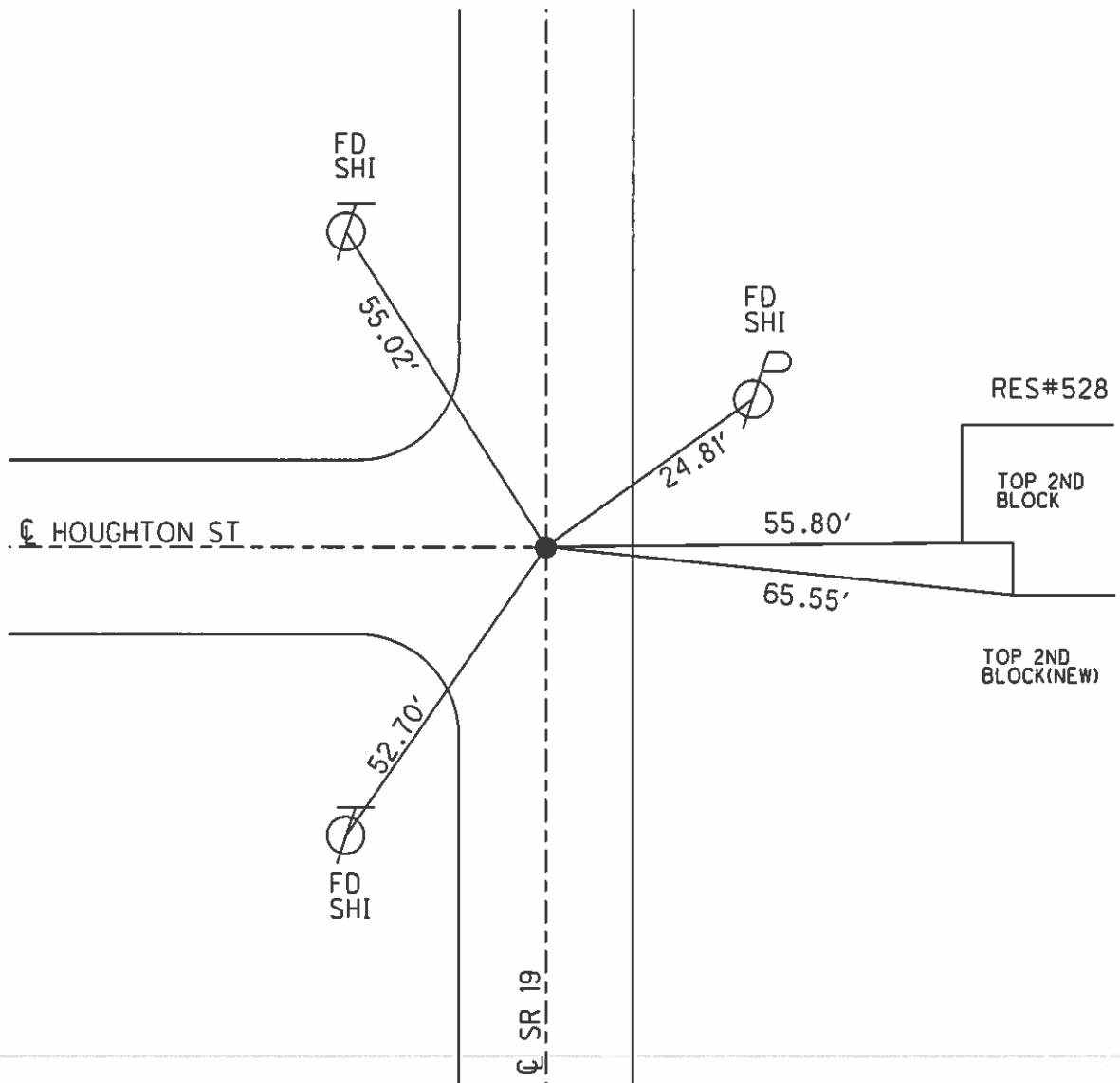
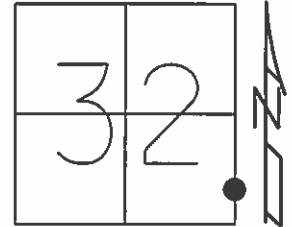


O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 24 SHEET 13 OF 33
 NOTES HUSS DATE 10/29/09 ROUTE SR 19
 H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA
 R.C. GOLDBERG TEMP. 50° TOWNSHIP SALEM
 _____ SECTION 32
 _____ T 6 N R 15 E

TYPE MONUMENT NAIL/SHINNER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - ☉ PAV'T - ~~RIGHT~~ 0.5'
12.4' TO RT EDGE PAVEMENT
 S.L.M. 218+97

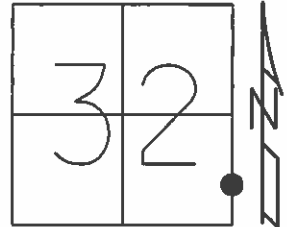
Grid: Northing: 675057.347 Easting: 1791859.178



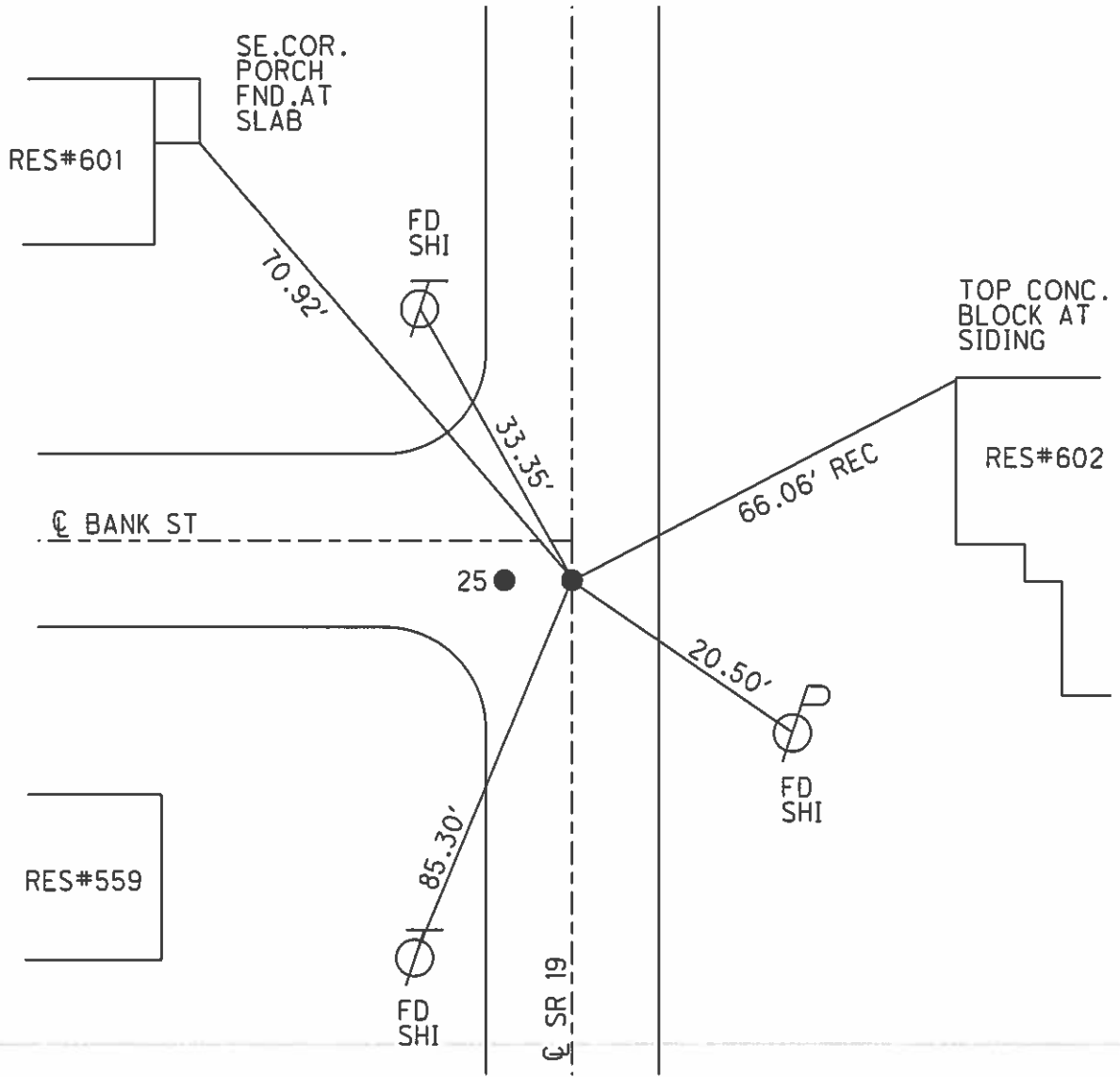
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 25 SHEET 14 OF 33
 NOTES HUSS DATE 10/28/09 ROUTE SR 19
 H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA
 R.C. GOLDBERG TEMP. 50° TOWNSHIP SALEM
 SECTION 32
 T 7 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 LEFT - ☉ PAV'T - RIGHT ON _____
13.4' TO RT EDGE PAVEMENT
 S.L.M. 224+03.87



Grid: Northing: 675563.732 Easting: 179.1856.758



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 25 A SHEET 15 OF 33

NOTES HUSS DATE 10/28/09 ROUTE SR 19

H.C. CANTERBURY WEATHER FAIR COUNTY OTTAWA

R.C. GOLDBERG TEMP. 50° TOWNSHIP SALEM

SECTION 32

T 7 N R 15 E

TYPE MONUMENT P.K./WASHER

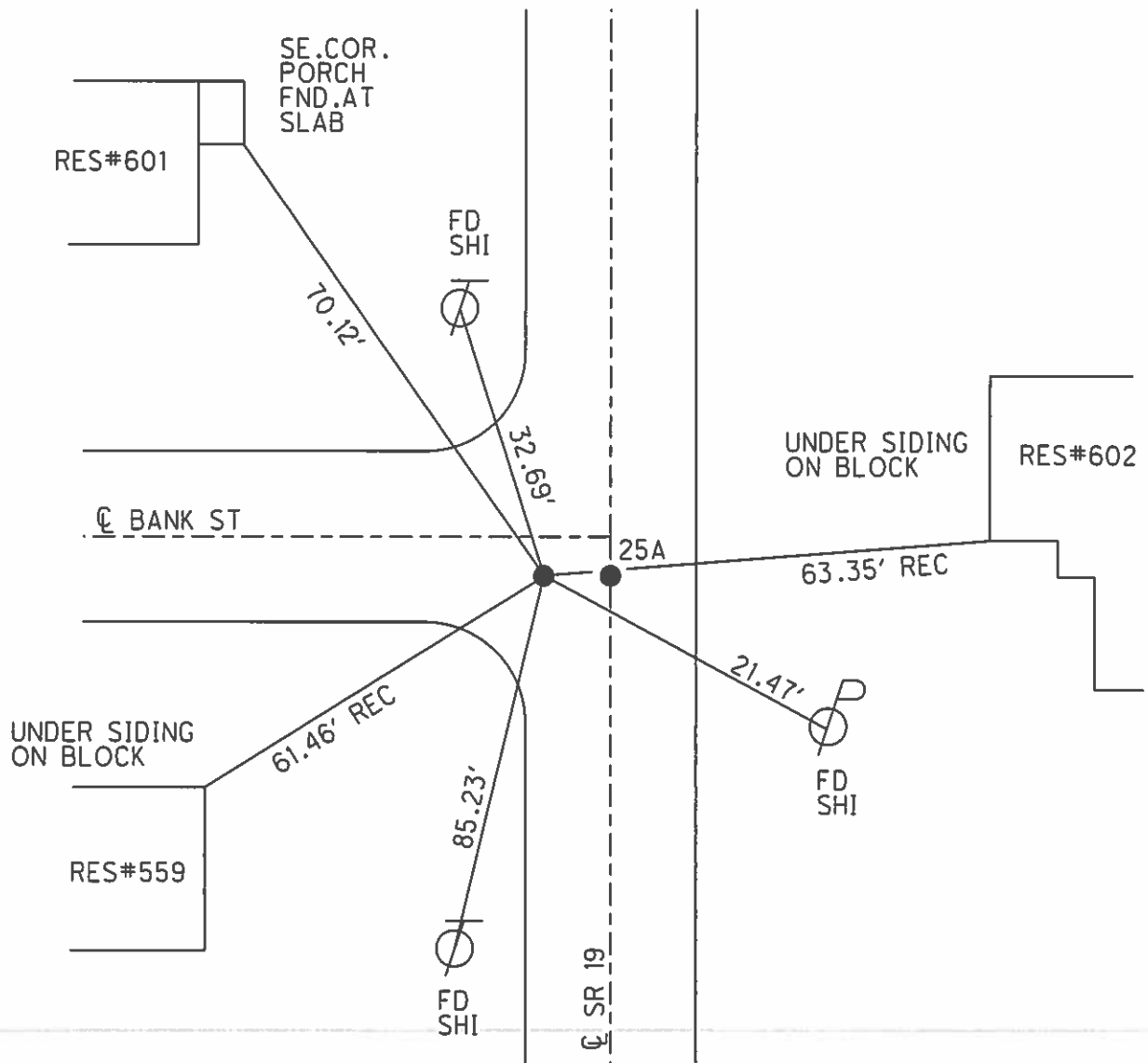
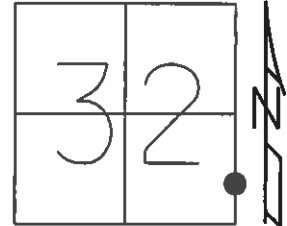
ON SURFACE - ~~BELOW~~ ON _____

LEFT - ☉ PAV'T - ~~RIGHT~~ ± 1.0'

_____ TO _____ EDGE PAVEMENT

S.L.M. 224+.03.87

Grid: Northing: 675563.895 Easting: 1791855.561



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL

REFERENCE NO.

25 B

SHEET

16

OF 33

NOTES

HUSS

DATE

10/28/09

ROUTE

SR 19

H.C.

CANTERBURY

WEATHER

FAIR

COUNTY

OTTAWA

R.C.

GOLDBERG

TEMP.

50°

TOWNSHIP

SALEM

SECTION

32

T 7 N

R 15 E

TYPE MONUMENT MAG/WASHER

ON SURFACE - ~~BELOW~~ ON

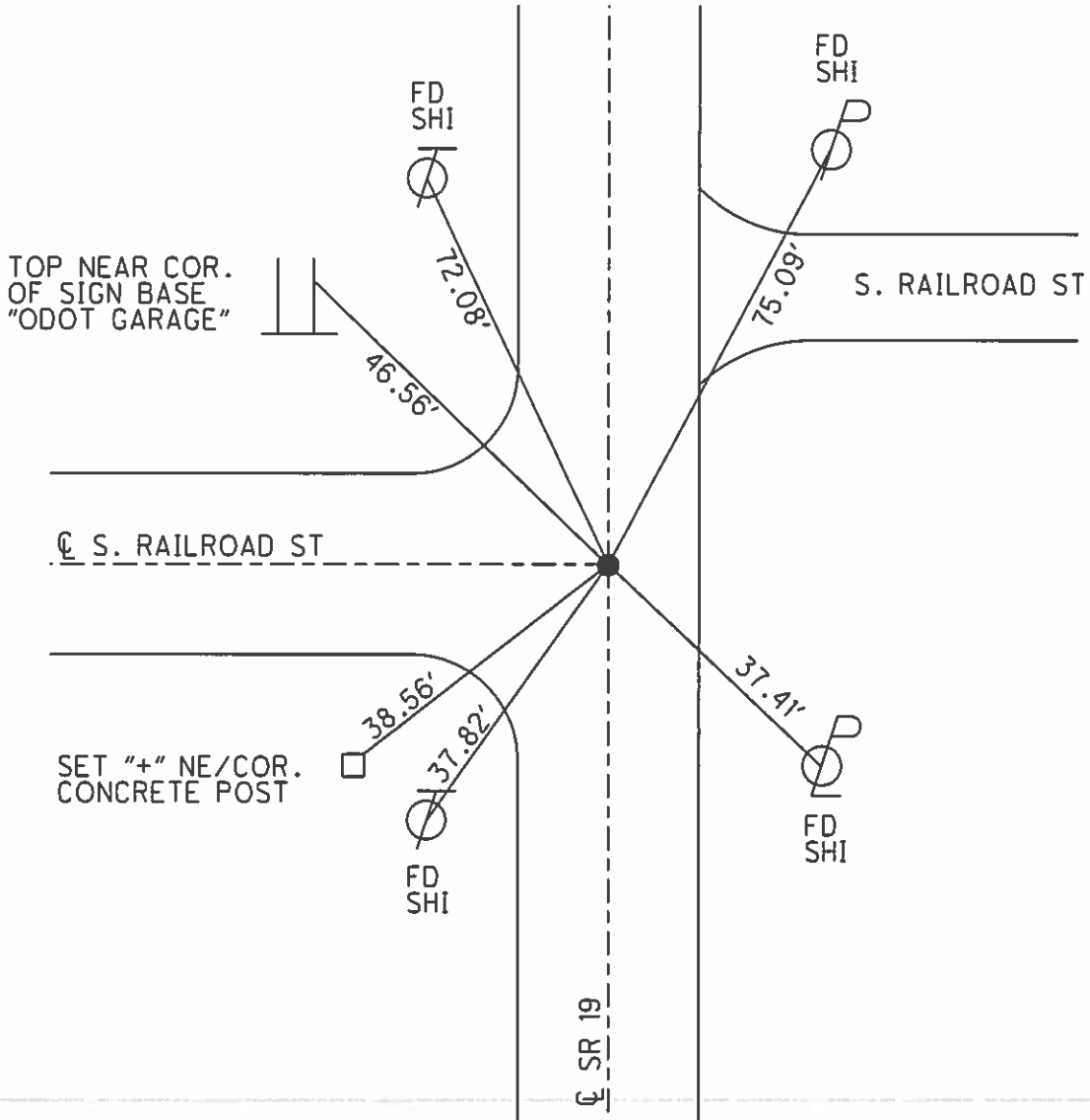
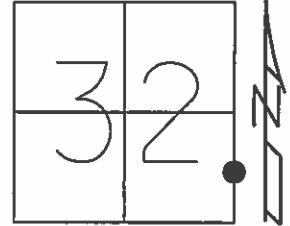
LEFT - ☉ PAV'T - RIGHT ON

12' TO RT EDGE PAVEMENT

S.L.M. 226+29.05

Grid: Northing: 675788.97

Easting: 1791855.639

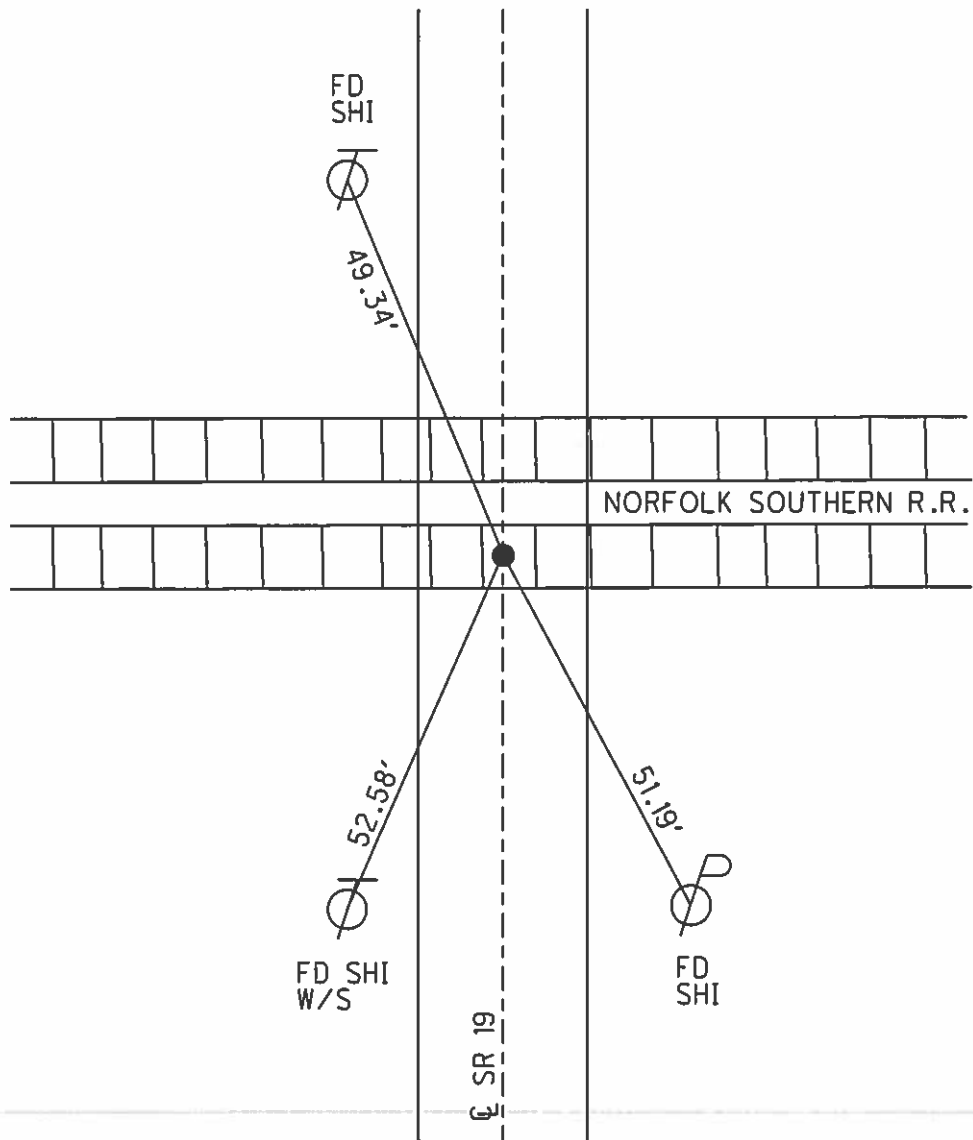
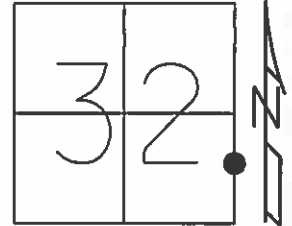


O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 25 C SHEET 17 OF 33
NOTES NUHFER DATE 5/8/07 ROUTE SR 19
H.C. HUSS WEATHER SUNNY COUNTY OTTAWA
R.C. _____ TEMP. 75° TOWNSHIP SALEM
SECTION 32
T 7 N R 15 E

TYPE MONUMENT MAG/WASHER
ON SURFACE - ~~BELOW~~ ON
LEFT - ☉ PAV'T - RIGHT ON
- TO - EDGE PAVEMENT
S.L.M. 227+04

Grid: Northing: 675909.924 Easting: 1791854.970



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 25 D SHEET 18 OF 33
NOTES HUSS DATE 6/11/08 ROUTE SR 19
H.C. CANTERBURY WEATHER CLDY/WINDY COUNTY OTTAWA
R.C. MOSER TEMP. 59° TOWNSHIP SALEM
SECTION 32
T 7 N R 15 E

TYPE MONUMENT P.K.NAIL, (SET BY OTHERS)

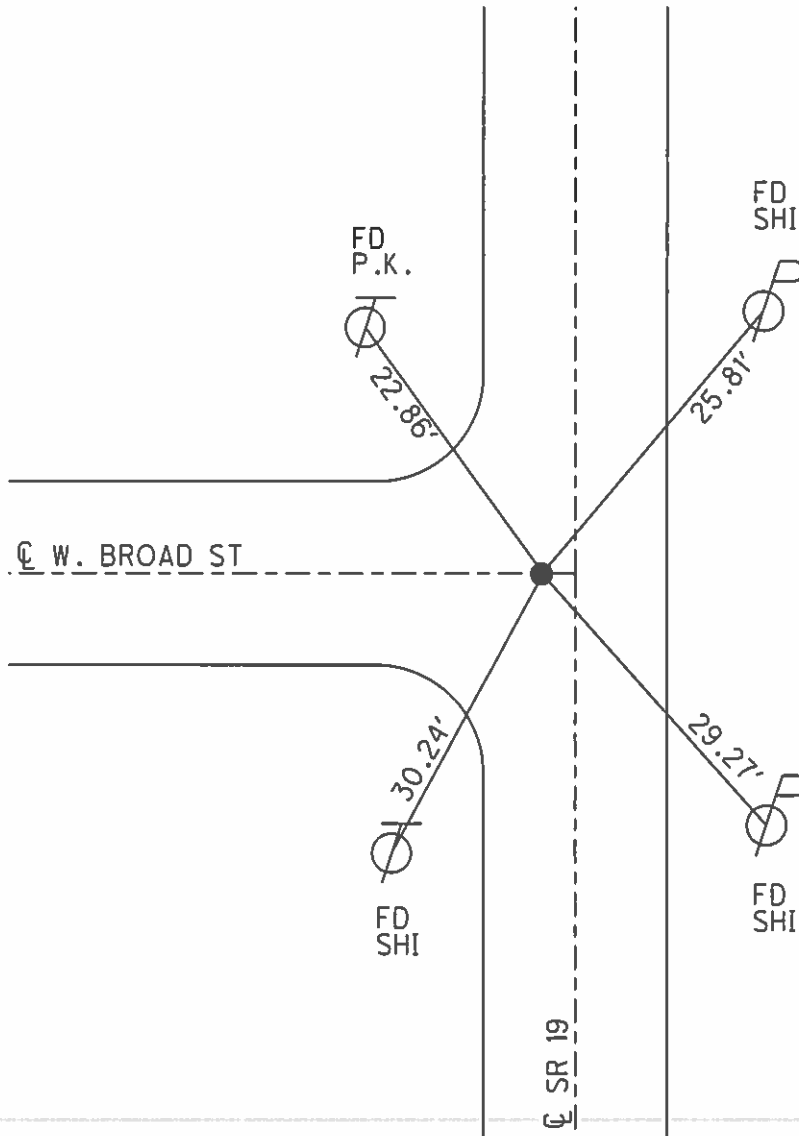
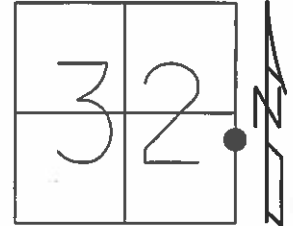
ON SURFACE - ~~BELOW~~ ON _____

LEFT - Q PAV'T - ~~RIGHT~~ 2.0'

12.3' TO RT EDGE PAVEMENT

S.L.M. 232+32

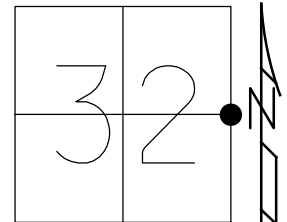
Grid: Northing: 676433.871 Easting: 1791845.278



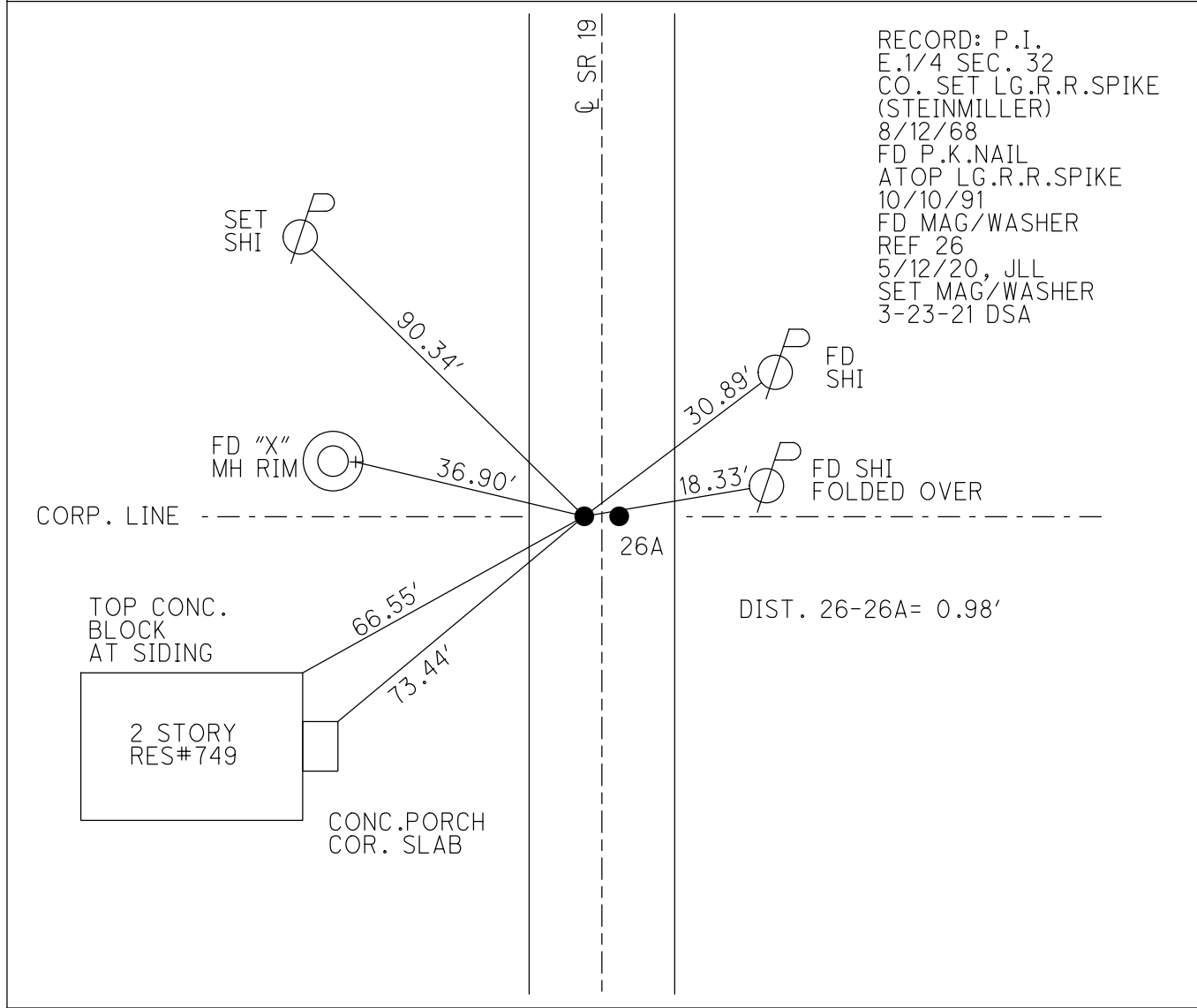
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 26 SHEET 15 OF 29
 NOTES AUBLE DATE 5/12/20 ROUTE SR 19
 H.C. LEU WEATHER SUNNY/WINDY COUNTY OTTAWA
 R.C. BALBAUGH TEMP. 48°F TOWNSHIP SALEM
 DWG BY NIESE PID 107903 SECTION 32
 T 7 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON
 OFFSET 12.0' TO RT EDGE PAVEMENT
 STATION: 240+27



HORZ. DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 677173.329 EASTING: 1791835.324



RECORD: P.I.
 E.1/4 SEC. 32
 CO. SET LG.R.R.SPIKE
 (STEINMILLER)
 8/12/68
 FD P.K.NAIL
 ATOP LG.R.R.SPIKE
 10/10/91
 FD MAG/WASHER
 REF 26
 5/12/20, JLL
 SET MAG/WASHER
 3-23-21 DSA

DIST. 26-26A = 0.98'

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____

REFERENCE NO. 26 A

SHEET 16 OF 29

NOTES AUBLE

DATE 5/12/20

ROUTE SR 19

H.C. LEU

WEATHER SUNNY/WINDY

COUNTY OTTAWA

R.C. BALBAUGH

TEMP. 48°F

TOWNSHIP SALEM

SECTION 32

DWG BY NIESE

PID 107903

T 7 N R 15 E

TYPE MONUMENT MAG/WASHER

ON SURFACE - ~~BELOW~~ ON

OFFSET 0 PAVEMENT ON ~~LT~~ : ~~RT~~

11.0' TO RT EDGE PAVEMENT

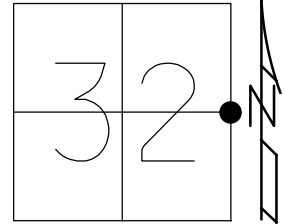
STATION: 240+27

HORZ.DATUM: NAD83(2011)

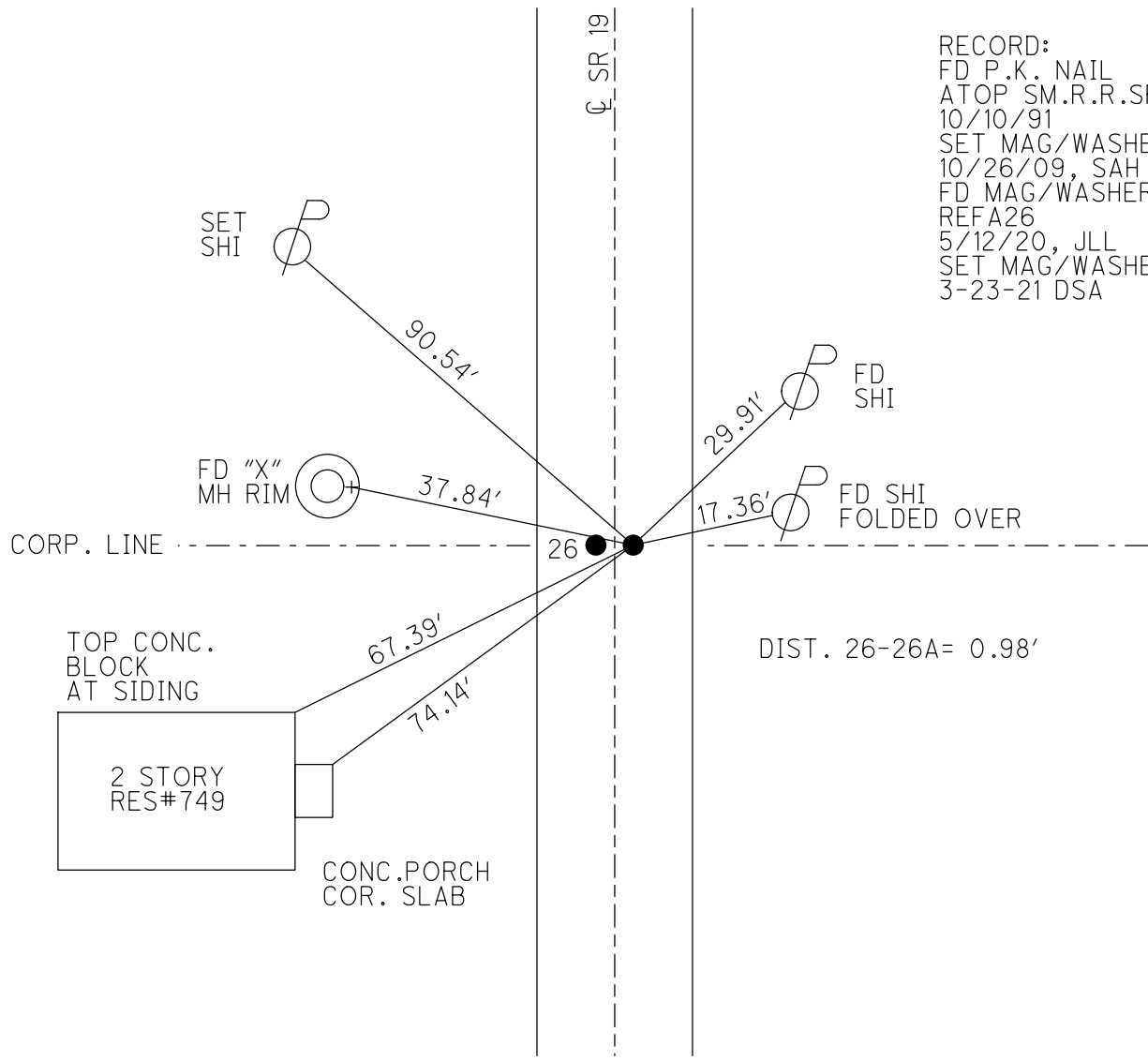
GEOID: NAVD88 2012A

GRID: NORTHING: 677173.391

EASTING: 1791836.327



RECORD:
 FD P.K. NAIL
 ATOP SM.R.R.SPIKE
 10/10/91
 SET MAG/WASHER
 10/26/09, SAH
 FD MAG/WASHER
 REFA26
 5/12/20, JLL
 SET MAG/WASHER
 3-23-21 DSA



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL

REFERENCE NO. 27

SHEET 17 OF 29

NOTES AUBLE

DATE 5/12/20

ROUTE SR 19

H.C. LEU

WEATHER SUNNY/WINDY

COUNTY OTTAWA

R.C. BALBAUGH

TEMP. 48°F

TOWNSHIP CARROLL

SECTION 32

DWG BY NIESE

PID 107903

T 7 N R 15 E

TYPE MONUMENT MONBOX W/ 1" SQ. IPIN W/DIMPLE

ON SURFACE - ~~BELOW~~ ON

OFFSET \odot PAVEMENT 3.5' ~~LT~~ : RT

6.0' TO RT EDGE PAVEMENT

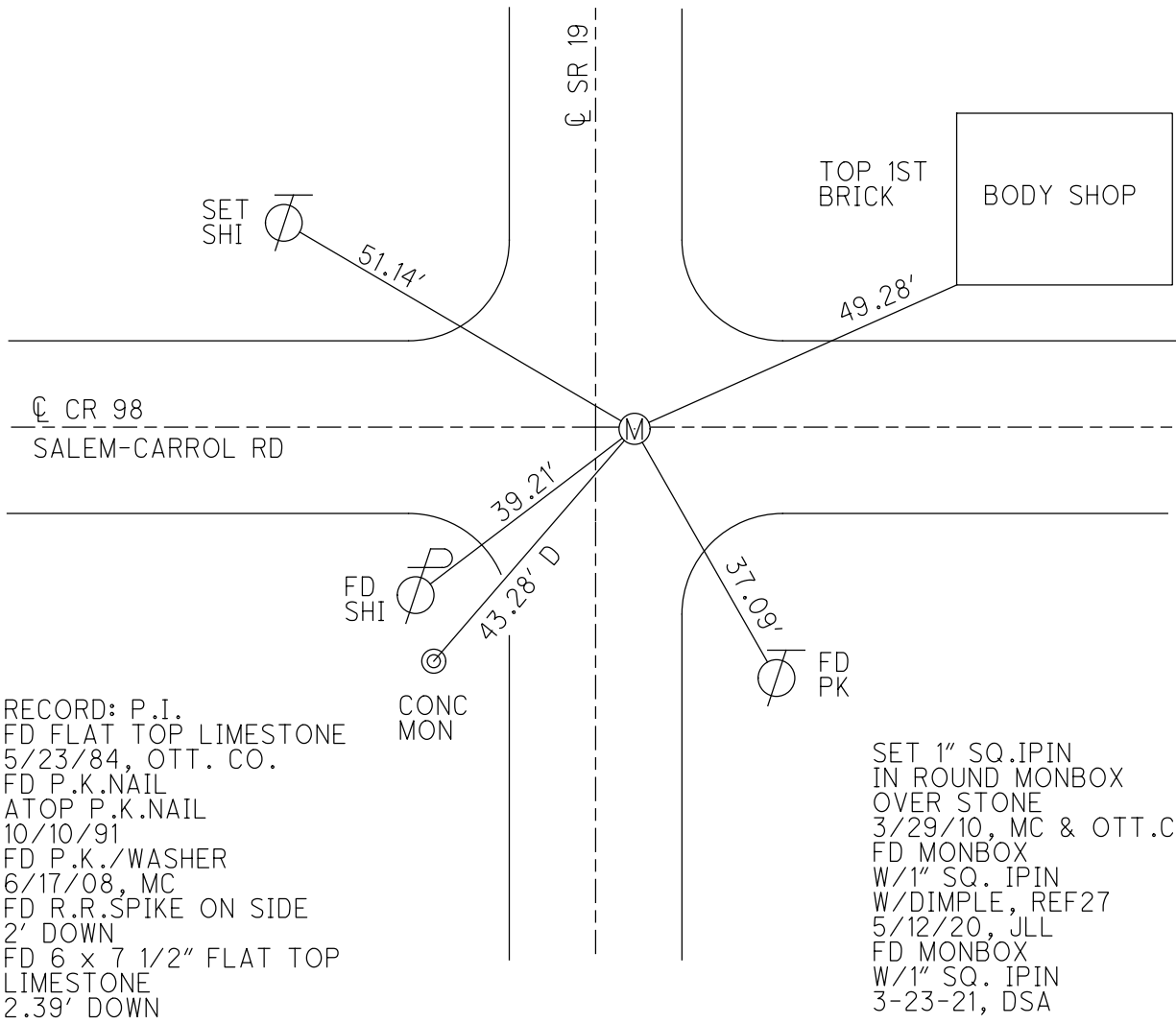
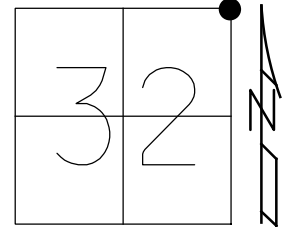
STATION: 266+58

HORZ. DATUM: NAD83(2011)

GEOID: NAVD88 2012A

GRID: NORTHING: 679801.171

EASTING: 1791843.224



RECORD: P.I.
 FD FLAT TOP LIMESTONE
 5/23/84, OTT. CO.
 FD P.K.NAIL
 ATOP P.K.NAIL
 10/10/91
 FD P.K./WASHER
 6/17/08, MC
 FD R.R.SPIKE ON SIDE
 2' DOWN
 FD 6 x 7 1/2" FLAT TOP
 LIMESTONE
 2.39' DOWN

SET 1" SQ. IPIN
 IN ROUND MONBOX
 OVER STONE
 3/29/10, MC & OTT.CO.
 FD MONBOX
 W/1" SQ. IPIN
 W/DIMPLE, REF27
 5/12/20, JLL
 FD MONBOX
 W/1" SQ. IPIN
 3-23-21, DSA

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 28 SHEET 18 OF 29
 NOTES AUBLE DATE 5/12/20 ROUTE SR 19
 H.C. LEU WEATHER SUNNY/WINDY COUNTY OTTAWA
 R.C. BALBAUGH TEMP. 48°F TOWNSHIP CARROLL
 DWG BY NIESE PID 107903 SECTION 29
 T 7 N R 15 E

TYPE MONUMENT MONBOX W/ 1" SQ. IPIN W/DIMPLE

ON SURFACE - ~~BELOW~~ ON

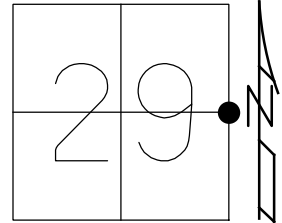
OFFSET \varnothing PAVEMENT 3.53' LT : ~~RT~~

- TO - EDGE PAVEMENT

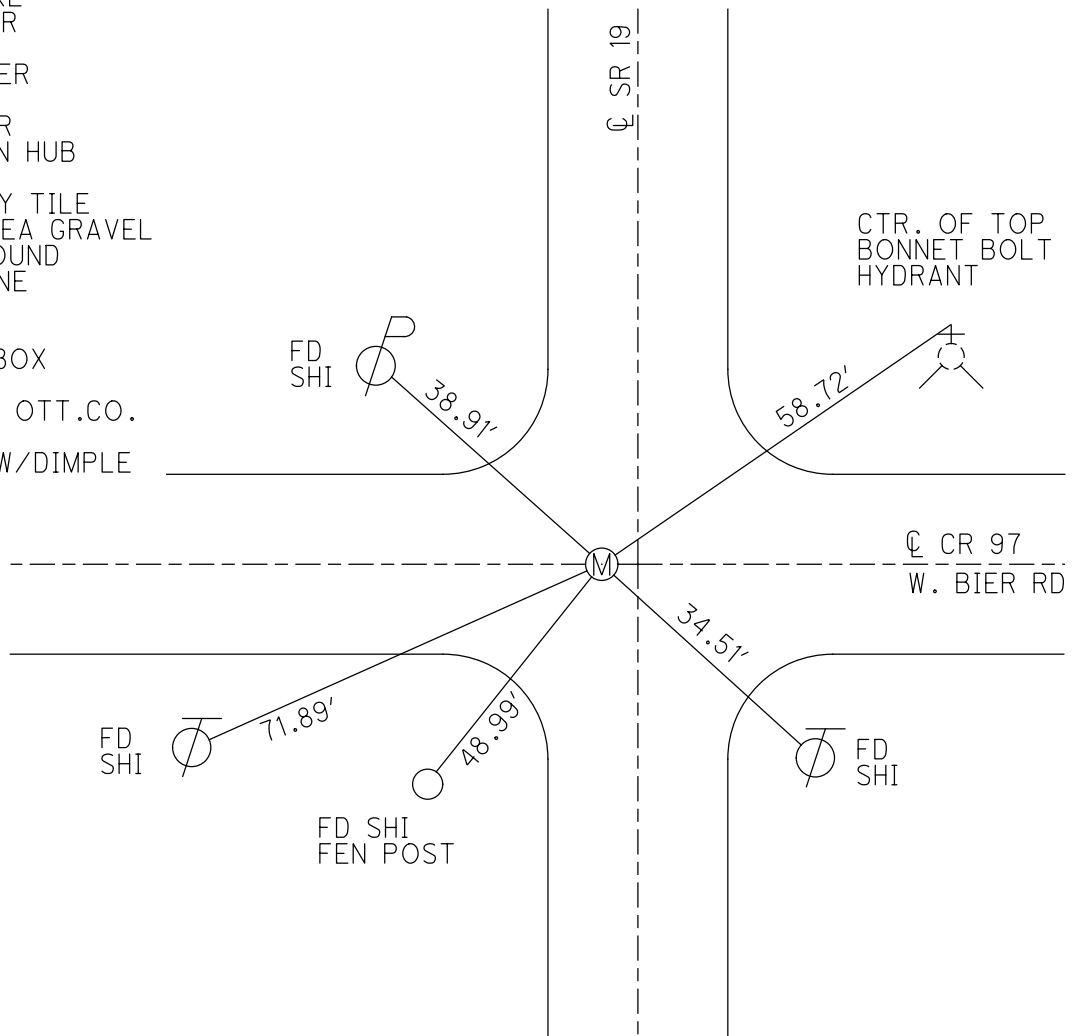
STATION: 293+01

HORIZ.DATUM: NAD83(2011) GEOID: NAVD88 2012A

GRID: NORTHING: 682443.148 EASTING: 1791886.317



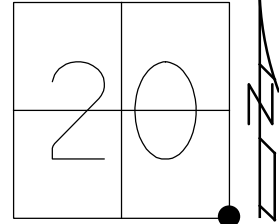
RECORD:
 FD SM.R.R.SPIKE
 FD P.K./WASHER
 6/17/08, MC
 SET MAG/WASHER
 10/26/09, SAH
 FD MAG/WASHER
 FD 1" SQ.WODEN HUB
 0.96' DOWN
 W/BROKEN CLAY TILE
 ON SIDES OF PEA GRAVEL
 FD 8 1/2 x 6" ROUND
 HARDHEAD STONE
 1.51' DOWN
 SET 1" SQ.IPIN
 IN ROUND MONBOX
 OVER STONE
 3/30/10, MC & OTT.CO.
 FD MONBOX
 W/1" SQ. IPIN W/DIMPLE
 REF28
 5/12/20, JLL
 3-23-21, DSA



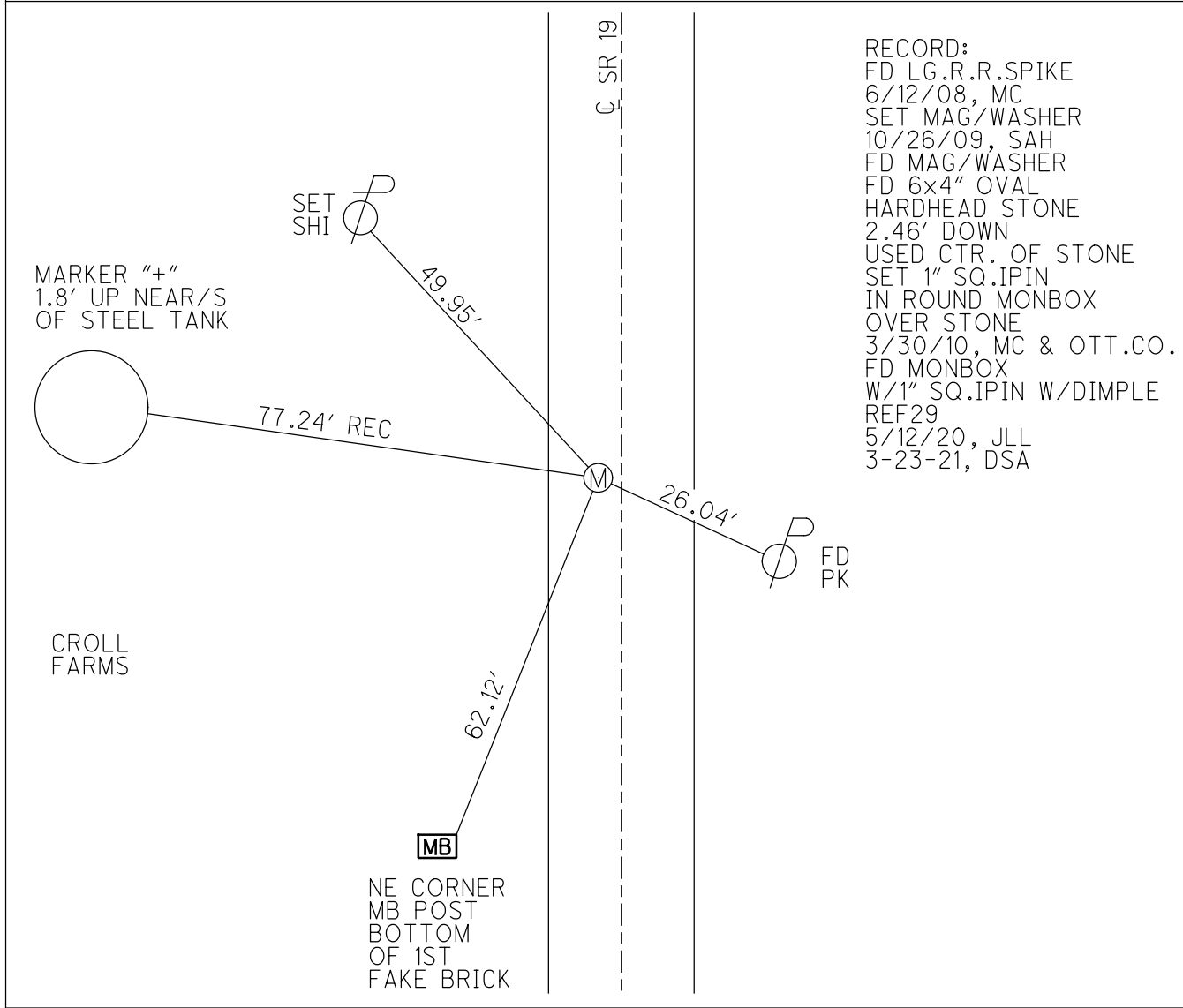
O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 29 SHEET 19 OF 29
 NOTES AUBLE DATE 5/12/20 ROUTE SR 19
 H.C. LEU WEATHER SUNNY/WINDY COUNTY OTTAWA
 R.C. BALBAUGH TEMP. 48°F TOWNSHIP CARROLL
 DWG BY NIESE PID 107903 SECTION 20
 T 7 N R 15 E

TYPE MONUMENT MONBOX W/1" SQ. IPIN W/DIMPLE
 ON SURFACE - ~~BELOW~~ ON
 OFFSET Q PAVEMENT 3.2' LT : ~~R~~
- TO - EDGE PAVEMENT
 STATION: 319+76



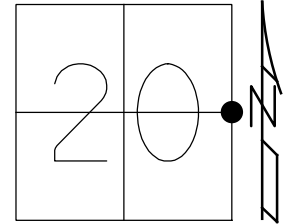
HORIZ.DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 685111.254 EASTING: 1791986.436



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 30 SHEET 20 OF 29
 NOTES AUBLE DATE 5/12/20 ROUTE SR 19
 H.C. LEU WEATHER SUNNY/WINDY COUNTY OTTAWA
 R.C. BALBAUGH TEMP. 48°F TOWNSHIP CARROLL
 SECTION 20
 DWG BY NIESE PID 107903 T 7 N R 15 E

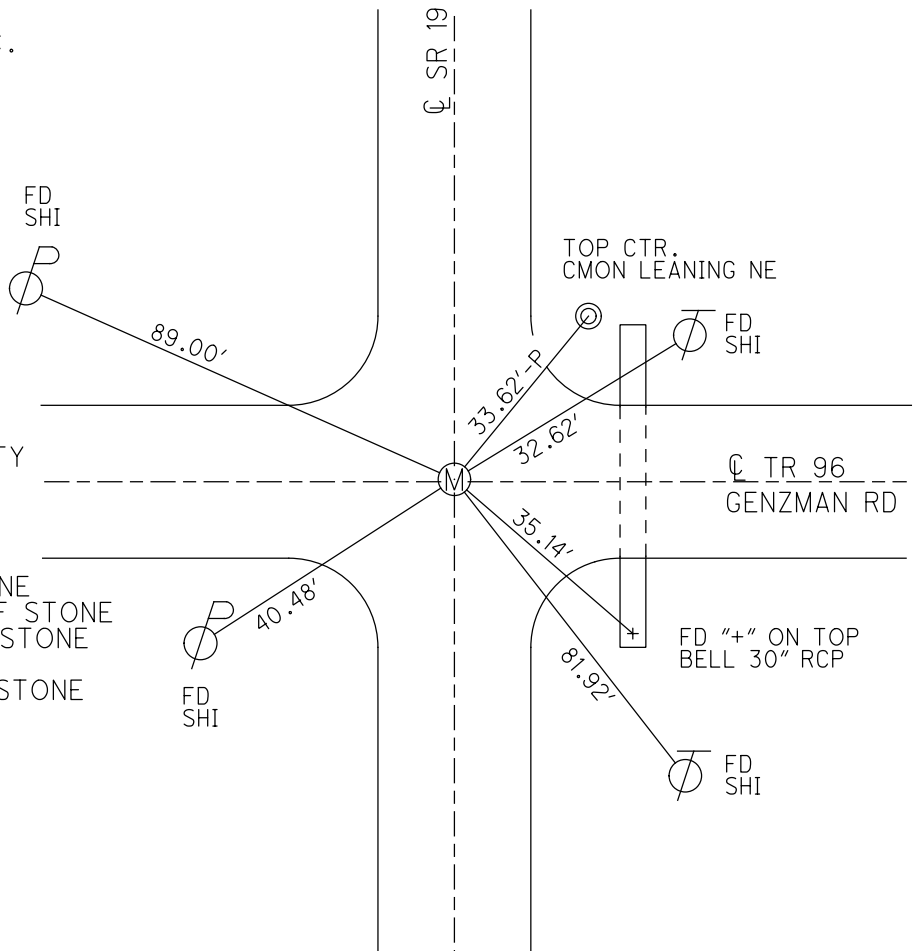
TYPE MONUMENT MONBOX W/1" SQ.IPIN W/DIMPLE
 ON SURFACE - ~~BELOW~~ ON
 OFFSET C PAVEMENT 0.4' LT : RT
- TO - EDGE PAVEMENT
 STATION: 346+05



HORIZ.DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 687735.487 EASTING: 1792009.408

RECORD:

FD STONE 22"± DOWN
 PER PROUDFOOT & ASSOC.
 1993
 FD STEEL PLATE
 OVER STONE 22"± DOWN
 5/10/93, CHENEY
 SET P.K./WASHER
 5/24/93, RCC
 FD P.K./WASHER
 6/12/08, MC
 FD P.K.NAIL 0.4' DOWN
 ATOP CTR OF STONE
 7/14/09
 SET MAG/WASHER
 7/22/09, SAH
 FD MAG/WASHER
 FD STEEL PLATE
 W/GOLF BALL, PER COUNTY
 0.2' ABOVE STONE
 FD 7³/₄ x 4³/₄ x 12"
 POINTED GRANITE STONE
 1.68' DOWN
 USED HIGH POINT ON STONE
 FD ANCHOR STONE E/S OF STONE
 FD A CEDAR HUB W/S OF STONE
 SET 1" SQ.IPIN
 IN ROUND MONBOX OVER STONE
 3/28/10, MC & OTT.CO.
 FD MONBOX W/1" SQ.IPIN
 REF30
 5/12/20, JLL
 3-23-21, DSA

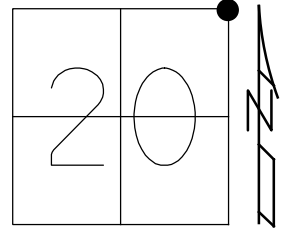


O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

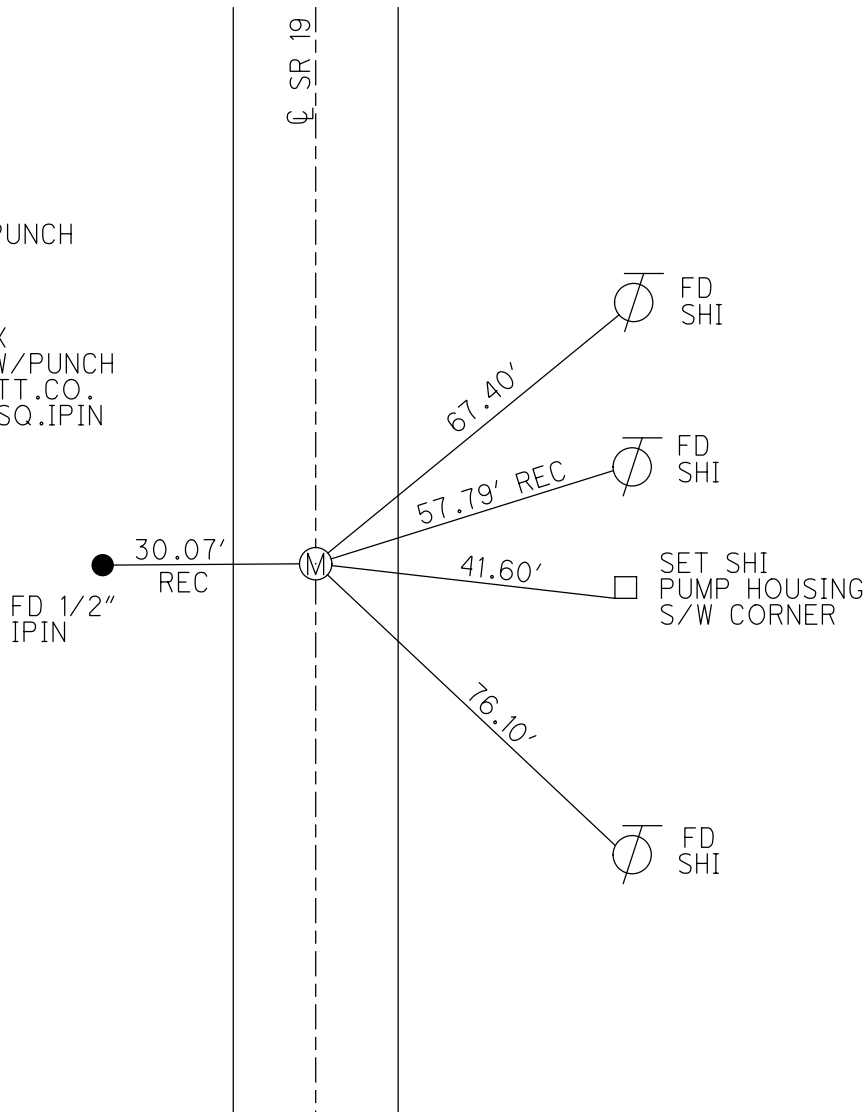
PERSONNEL _____ REFERENCE NO. 31 SHEET 21 OF 29
 NOTES AUBLE DATE 5/12/20 ROUTE SR 19
 H.C. LEU WEATHER SUNNY/WINDY COUNTY OTTAWA
 R.C. BALBAUGH TEMP. 48°F TOWNSHIP CARROLL
 DWG BY NIESE PID 107903 SECTION 20
 T 7 N R 15 E

TYPE MONUMENT MONBOX W/1" SQ.IPIN W/DIMPLE
 ON SURFACE - ~~BELOW~~ ON
 OFFSET \varnothing PAVEMENT 2.4' LT : ~~RT~~
7.0' TO LT EDGE PAVEMENT
 STATION: 372+56

HORIZ.DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 690381.524 EASTING: 1792032.798



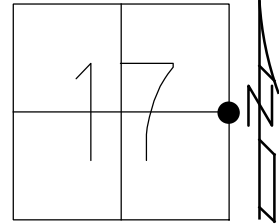
RECORD:
 FD P.K./WASHER
 12/15/03, RGN
 FD R.R.SPIKE
 SET MAG/WASHER
 1/22/09, SAH
 FD P.K./WASHER
 FD R.R.SPIKE W/PUNCH
 0.45' DOWN
 D.N.F. STONE
 SET 1" SQ.IPIN
 IN ROUND MONBOX
 ATOP R.R.SPIKE W/PUNCH
 3/28/10, MC & OTT.CO.
 FD MONBOX W/1" SQ.IPIN
 W/DIMPLE
 REF31
 5/12/20, JLL
 3-23-21, DSA



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

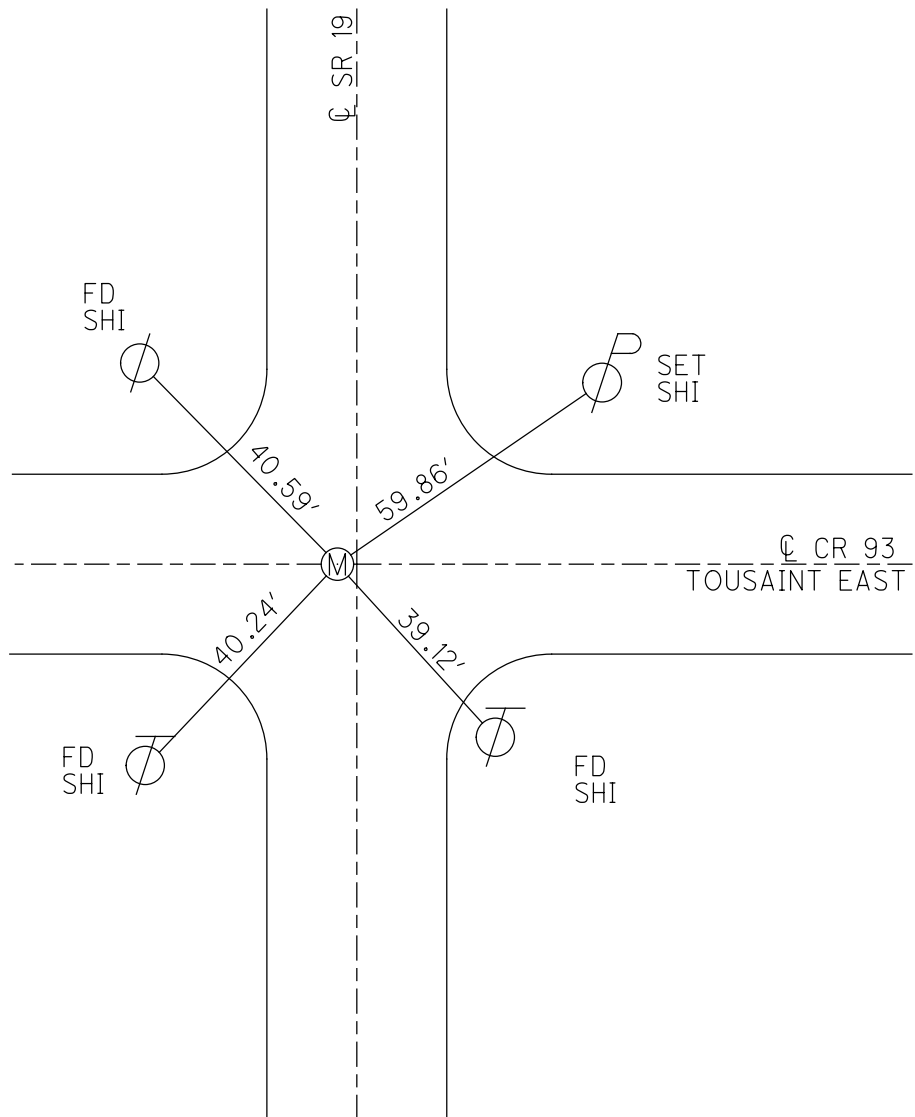
PERSONNEL _____ REFERENCE NO. 32 SHEET 22 OF 29
 NOTES AUBLE DATE 5/12/20 ROUTE SR 19
 H.C. LEU WEATHER SUNNY/WINDY COUNTY OTTAWA
 R.C. BALBAUGH TEMP. 48°F TOWNSHIP CARROLL
 DWG BY MAHLER PID 107903 SECTION 17
 T 7 N R 15 E

TYPE MONUMENT MONBOX W/1" SQ.IPIN W/DIMPLE
 ON SURFACE - ~~BELOW~~ ON
 OFFSET ☐ PAVEMENT 1.75' LT : ~~R~~
8.5' TO LT EDGE PAVEMENT
 STATION: 398+99



HORIZ.DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 693021.853 EASTING: 1792026.275

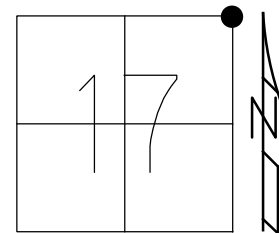
RECORD:
 FD P.K./WASHER
 FD R.R.SPIKE
 FD P.K./WASHER
 SET MAG/WASHER
 10/27/09, SAH
 FD R.R.SPIKE
 0.64' DOWN
 FD 1" IRON BOLT
 0.77' DOWN
 FD 6 x 7" RECT.
 FLAT TOP LIMESTONE
 2' DOWN
 SET 1" SQ.IPIN
 IN ROUND MONBOX
 ATOP STONE
 3/29/10, MC & OTT.CO.
 FD MONBOX W/1" SQ.IPIN
 W/DIMPLE
 REF32 5/12/20, JLL
 3-23-21, DSA



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

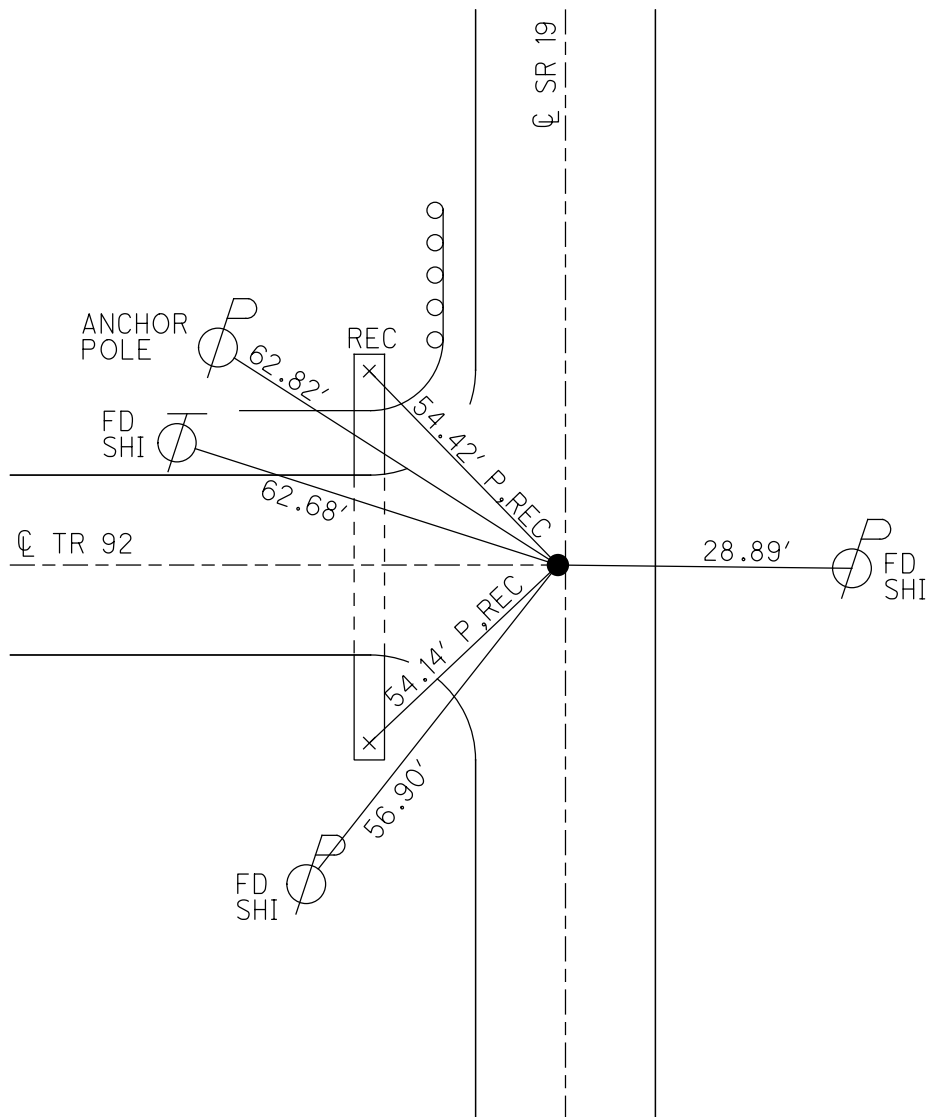
PERSONNEL _____ REFERENCE NO. 33 SHEET 23 OF 29
 NOTES AUBLE DATE 5/12/20 ROUTE SR 19
 H.C. LEU WEATHER SUNNY/WINDY COUNTY OTTAWA
 R.C. BALBAUGH TEMP. 48°F TOWNSHIP CARROLL
 SECTION 17
 DWG BY NIESE PID 107903 T 7 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON
 OFFSET 0.4' LT : ~~RT~~
9.2' TO LT EDGE PAVEMENT
 STATION: 425+18



HORIZ.DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 695632.687 EASTING: 1792038.915

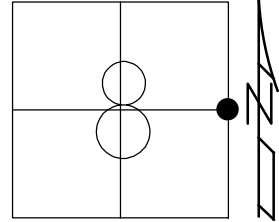
RECORD:
 SM.R,R,SPIKE
 BOAT SPIKE/WASHER
 SET P.K./WASHER
 10/10/91, SAH
 FD P.K./WASHER
 6/18/08
 SET MAG/WASHER
 10/27/09, SAH
 FD MAG/WASHER
 REF33 5/12/20, JLL
 SET MAG/WASHER
 3-23-21, DSA



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

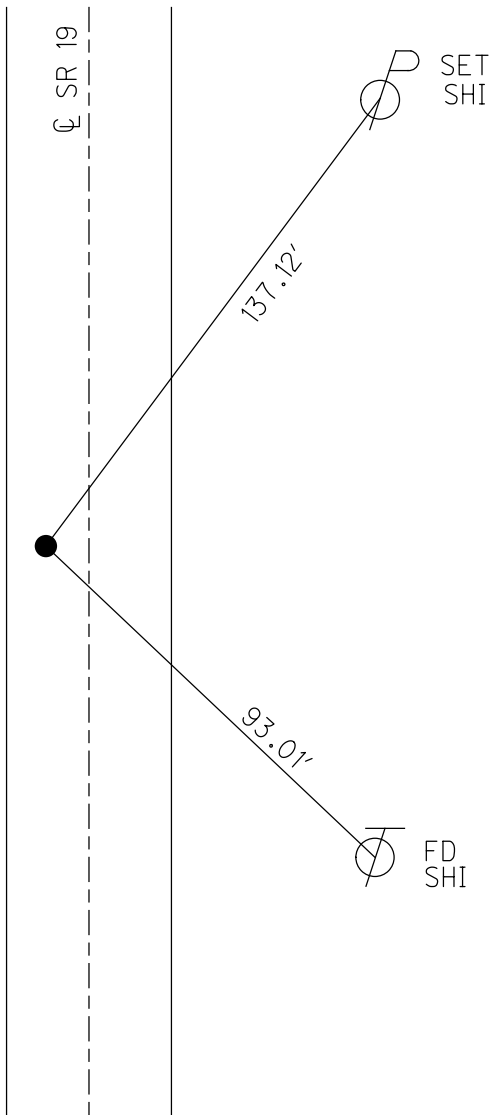
PERSONNEL _____ REFERENCE NO. 35 SHEET 24 OF 29
 NOTES AUBLE DATE 5/12/20 ROUTE SR 19
 H.C. LEU WEATHER SUNNY/WINDY COUNTY OTTAWA
 R.C. BALBAUGH TEMP. 48°F TOWNSHIP CARROLL
 DWG BY NIESE PID 107903 SECTION 8
 T 7 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON _____
 OFFSET ☐ PAVEMENT 5.9' LT : ~~RT~~
4.0' TO LT EDGE PAVEMENT
 STATION: 451+16



HORIZ.DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 698254.429 EASTING: 1792052.828

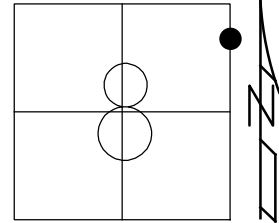
RECORD:
 BOAT SPK./WASHER
 SQ BOLT
 SET P.K./WASHER
 10/10/91
 FD P.K./WASHER
 8/14/08, MR
 SET MAG/WASHER
 10/27/09, SAH
 FD MAG/WASHER
 REF35
 5/12/20, JLL
 SET MAG/WASHER
 3-24-21, DSA



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

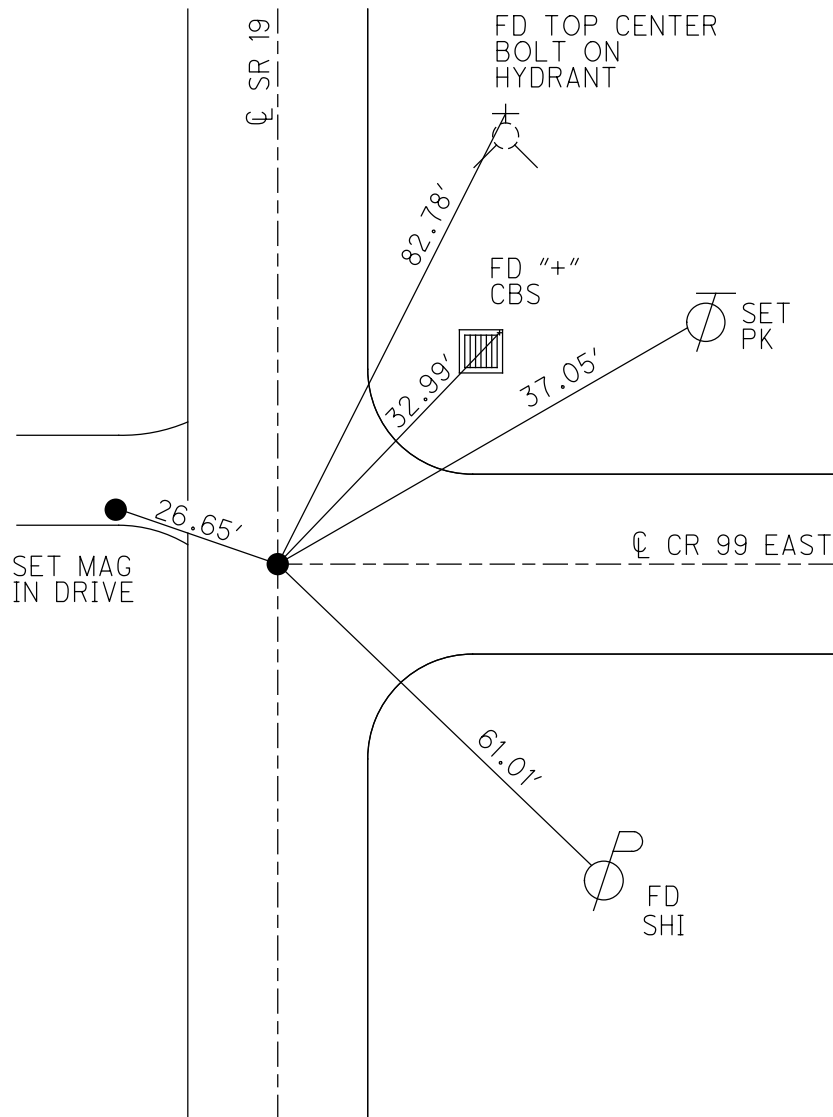
PERSONNEL _____ REFERENCE NO. 36 SHEET 25 OF 29
 NOTES AUBLE DATE 5/20/20 ROUTE SR 19
 H.C. LEU WEATHER CLOUDY/FAIR COUNTY OTTAWA
 R.C. AUBLE TEMP. 55°F TOWNSHIP CARROLL
 DWG BY NIESE PID 107903 SECTION 8
 T 7 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON
 OFFSET \varnothing PAVEMENT ON LT : RT
11.6' TO LT EDGE PAVEMENT
 STATION: 464+43



HORZ. DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 699545.600 EASTING: 1792058.269

RECORD:
 SM.R.R.SPIKE
 SQ BOLT
 FD P.K./WASHER
 SV36
 6/18/08, SAH
 SET MAG/WASHER
 10/22/09, SAH
 FD MAG/WASHER
 5/20/20, JLL
 SET MAG/WASHER
 3-24-21, DSA



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL

REFERENCE NO. 37

SHEET 26 OF 29

NOTES AUBLE

DATE 5/20/20

ROUTE SR 19

H.C. LEU

WEATHER CLOUDY/FAIR

COUNTY OTTAWA

R.C. AUBLE

TEMP. 55°F

TOWNSHIP CARROLL

SECTION 8

DWG BY NIESE PID 107903

T 7 N R 15 E

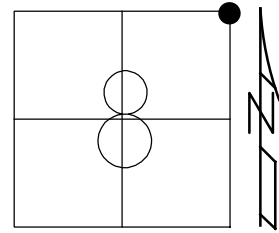
TYPE MONUMENT MAG/WASHER

ON SURFACE - ~~BELOW~~ ON

OFFSET CL PAVEMENT 5.8' LT : ~~RT~~

4.0' TO LT EDGE PAVEMENT

STATION: 477+78



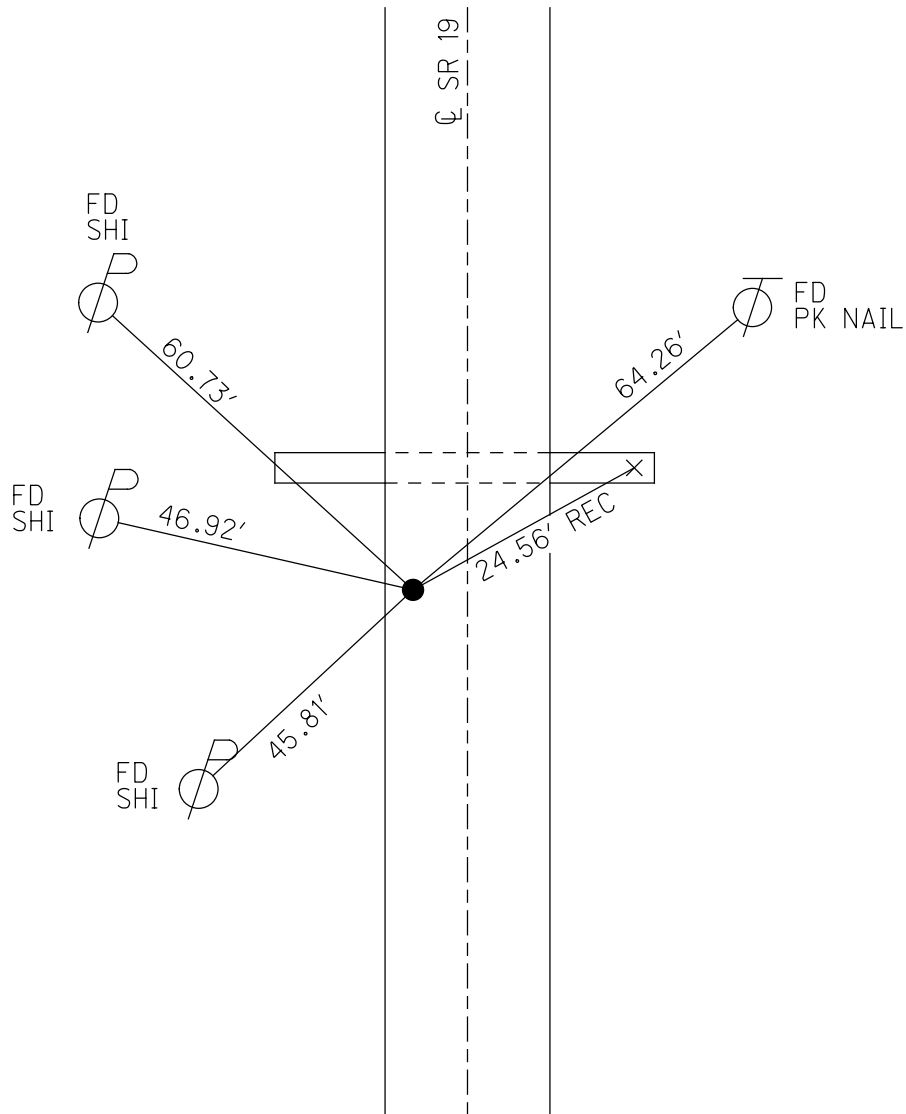
HORIZ.DATUM: NAD83(2011)

GEOID: NAVD88 2012A

GRID: NORTHING: 700874.809

EASTING: 1792063.768

RECORD:
 R.R. SPIKE
 P.K./WASHER
 10/10/91
 FD P.K./WASHER
 SV37
 6/18/08, SAH
 SET MAG/WASHER
 10/27/09, SAH
 FD MAG/WASHER
 5/20/20, JLL
 SET MAG/W
 3-24-21, DSA



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL

REFERENCE NO. 38

SHEET 27 OF 29

NOTES AUBLE

DATE 5/20/20

ROUTE SR 19

H.C. LEU

WEATHER CLOUDY/FAIR

COUNTY OTTAWA

R.C. AUBLE

TEMP. 55°F

TOWNSHIP CARROLL

SECTION 5

DWG BY NIESE

PID 107903

T 7 N R 15 E

TYPE MONUMENT MAG NAIL

ON SURFACE - ~~BELOW~~ ON

OFFSET Q PAVEMENT 12.4' LT : ~~RT~~

2.8' TO LT EDGE PAVEMENT

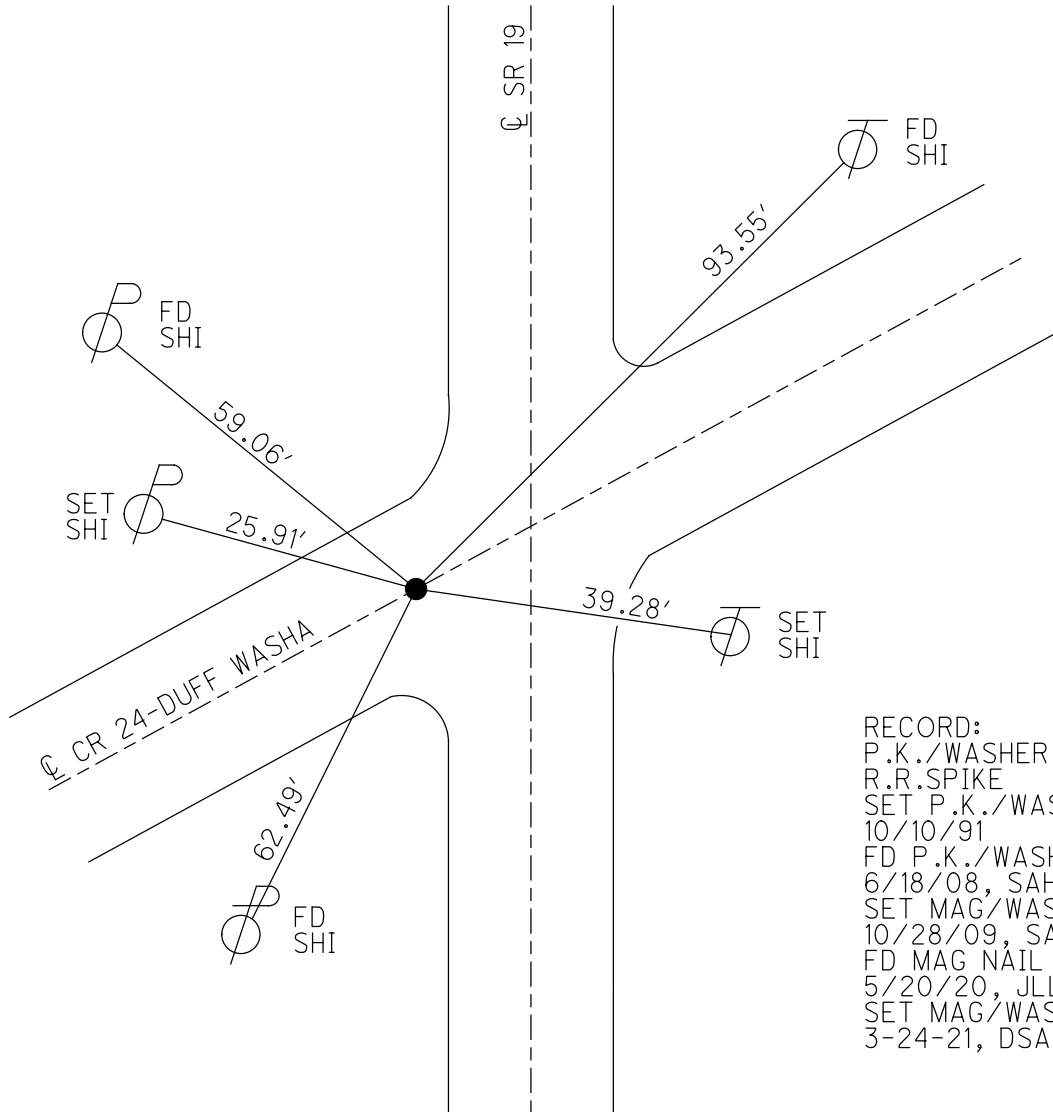
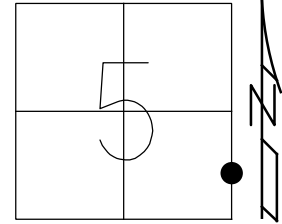
STATION: 489+76

HORIZ.DATUM: NAD83(2011)

GEOID: NAVD88 2012A

GRID: NORTHING: 702113.528

EASTING: 1792055.114



RECORD:
 P.K./WASHER
 R.R.SPIKE
 SET P.K./WASHER
 10/10/91
 FD P.K./WASHER
 6/18/08, SAH
 SET MAG/WASHER
 10/28/09, SAH
 FD MAG NAIL
 5/20/20, JLL
 SET MAG/WASHER
 3-24-21, DSA

O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____

REFERENCE NO. 39

SHEET 28 OF 29

NOTES AUBLE

DATE 5/20/20

ROUTE SR 19

H.C. LEU

WEATHER CLOUDY/BREEZY

COUNTY OTTAWA

R.C. AUBLE

TEMP. 57°F

TOWNSHIP CARROLL

DWG BY NIESE PID 107903

SECTION 5

T 7 N R 15 E

TYPE MONUMENT MAG/WASHER

ON SURFACE - ~~BELOW~~ ON

OFFSET Q PAVEMENT 4.0' LT : ~~RT~~

5.5' TO LT EDGE PAVEMENT

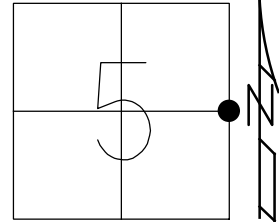
STATION: 504+52

HORZ.DATUM: NAD83(2011)

GEOID: NAVD88 2012A

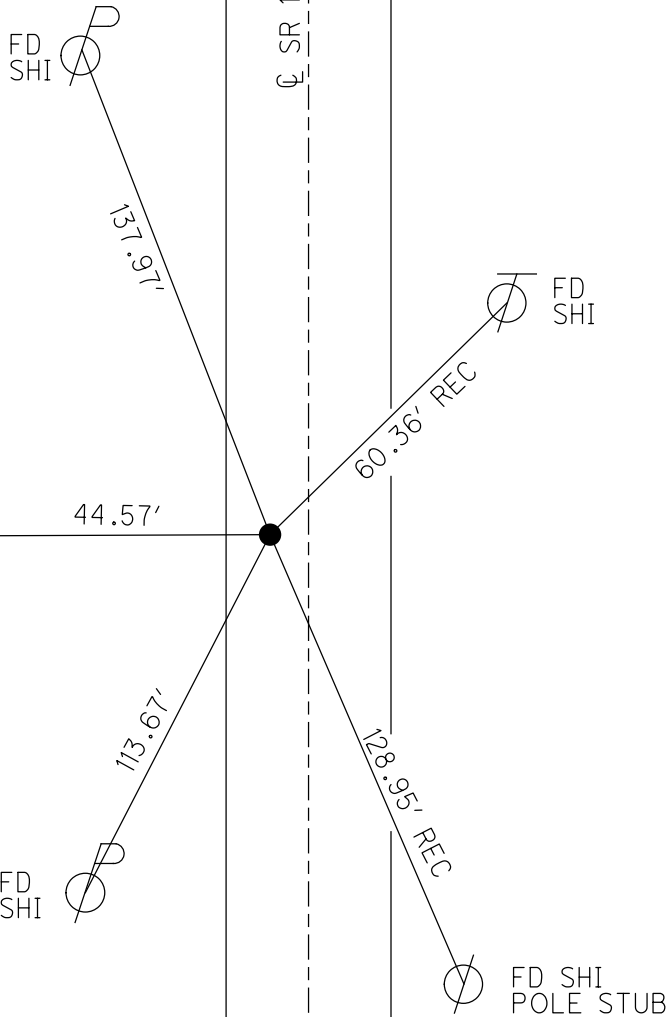
GRID: NORTHING: 703558.163

EASTING: 1792045.110



RECORD:
 P.K./WASHER
 SM.SPIKE
 P.K. NAIL
 SET P.K./WASHER
 10/10/91
 FD P.K./WASHER
 6/18/08, SAH
 8/14/08, MC
 SET MAG/WASHER
 10/28/09, SAH
 FD MAG/WASHER
 REF39
 5/20/20, JLL
 SET MAG/WASHER
 3-24-21, DSA

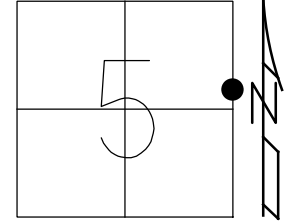
SET BARN
 SPIKE
 NEAR W. TOP
 OF BANK



O.D.O.T. DISTRICT 2 SURVEY OFFICE (USE ONLY)

PERSONNEL _____ REFERENCE NO. 40 SHEET 29 OF 29
 NOTES AUBLE DATE 5/20/20 ROUTE SR 19
 H.C. LEU WEATHER CLOUDY/FAIR COUNTY OTTAWA
 R.C. AUBLE TEMP. 55°F TOWNSHIP CARROLL
 SECTION 5
 DWG BY NIESE PID 107903 T 7 N R 15 E

TYPE MONUMENT MAG/WASHER
 ON SURFACE - ~~BELOW~~ ON
 OFFSET 5.0' LT : ~~RT~~
5.1' TO LT EDGE PAVEMENT
 STATION: 511+12



HORZ.DATUM: NAD83(2011) GEOID: NAVD88 2012A
 GRID: NORTHING: 704218.102 EASTING: 1792037.176

RECORD:
 FD MAG NAIL
 2/01/06
 SET BY OTHERS
 FD MAG NAIL
 6/18/08, SAH
 SET MAG/WASHER
 10/28/09, SAH
 FD MAG/WASHER
 5/20/20, JLL
 SET MAG/WASHER
 3-24-21, DSA

