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8-1) PLOT LOCATION OF BENCHMARKS AND CONTROL POINTS ON THE PLANS AS

⊗ B.M.#

⊗ C.P.#

BENCHMARKS AND WITNESSES

FINAL R.O.W.			
AUTH	DATE	NO.	REVISION

BENCHMARKS

B.M.#12 ELEV. 992.34'
 DESCRIPTION: SET A RR SPIKE IN THE NORTH SIDE OF A POWER POLE IN FRONT OF HOUSE #5040 ON THE SOUTH SIDE OF M-50 AND JUST WEST OF MURRAY ROAD. THIS BENCH IS NOT WITHIN THE PROJECT LIMITS.

B.M.#20 ELEV. 993.64'
 STA 262+16 OFFSET= 34' RT
 DESCRIPTION: SET RR SPIKE IN THE SOUTH SIDE OF A POWER POLE ON THE NORTH SIDE OF M-50, 220' EAST OF THE INTERSECTION OF M-50 AND RIVES JUNCTION ROAD.

B.M.#21 ELEV. 1004.49'
 STA 267+43 OFFSET= 49' LT
 DESCRIPTION: SET RR SPIKE IN THE NORTH SIDE OF A POWER POLE ON THE SOUTH SIDE OF M-50 316' WEST OF THE INTERSECTION OF M-50 AND RIVES JUNCTION ROAD.

B.M.#22 ELEV. 997.42
 STA 278+08 OFFSET= 49' LT
 DESCRIPTION: SET RR SPIKE IN THE NORTH SIDE OF A POWER POLE IN THE SW QUADRANT OF THE INTERSECTION WITH M-50 AND BLACK OAK TRAIL.

CONTROL POINT WITNESSES

- NOTES:
- HORIZONTAL DATUM IS BASED ON NAD 1983(1994) MICHIGAN SOUTH AND ALL DIMENSIONS ARE IN INTERNATIONAL FEET. VERTICAL DATUM IS BASED ON NAVD 88.
 - A MAPPING CONTROL POINT THAT IS A REBAR IN THE GROUND SHOULD NOT BE CONSIDERED A BENCHMARK. IT'S ELEVATION SHOULD BE VERIFIED OR RE-ESTABLISHED PRIOR TO USE AS A BENCHMARK.

CONTROL PT# 5
 DESCRIPTION: FOUND MDOT CAPPED REBAR IN THE SE QUADRANT OF THE INTERSECTION OF RIVES JUNCTION AND M-50. CP5 WAS SET DURING A GPS STATIC CONTROL SESSION FOR JOB 53256 & 58886 IN JUNE 2002. THE ELEVATION FOR THIS POINT IS FROM THE VERTICAL LEVEL LOOP PERFORMED FOR JOB #76033C.
 WEST 30' CENTERLINE OF RIVES JUNCTION ROAD
 NORTH 75' CENTERLINE OF M-50.
 N 05 E 21.62' TO THE EAST EDGE OF THE EAST LEG OF A STOP SIGN.
 N 77 W 9.2' TO THE SOUTHERLY BACK OF CURB ON THE EAST SIDE OF RIVES JUNCTION ROAD, SOUTH OF M-50.
 STA. 263+83, 70' LT
 X= 13097392.12, Y= 299523.19 ELEV= 996.45'

CONTROL PT# 6
 DESCRIPTION: FOUND MDOT CAPPED REBAR IN THE NW QUADRANT OF THE INTERSECTION OF RIVES JUNCTION AND VAN HORN ROAD. CP6 WAS SET DURING A GPS STATIC CONTROL SESSION FOR JOB 53256 & 58886 IN JUNE 2002.
 S 70 W 21.82' FOUND NAIL AND TAG IN THE NORTH SIDE OF A POWER POLE.
 N 10 W 70.84' SET MAG NAIL AND MDOT TAG IN THE SW SIDE OF A POWER POLE.
 S 37 E 51.68' TO THE QUARTER SECTION CORNER COMMON TO SECTIONS 5 & 6, T2S, R1W, BLACKMAN TOWNSHIP, JACKSON COUNTY.
 STA. 277 +16, 1745' RT
 X= 13097320.54, Y= 301617.52 ELEV= 1003.63'

DATA# 40
 DESCRIPTION: SET 1/2" MDOT CAPPED REBAR 39.4' SOUTH OF THE CENTERLINE OF M-50 AND ABOUT 300' WEST OF THE INTERSECTION OF M-50 AND RIVES JUNCTION ROAD.
 S 80 W 20.45' TO BM 21, RR SPIKE SET IN NE SIDE OF A POWER POLE.
 S 70 E 76.11' TO THE SOUTHERLY EDGE OF THE SOUTHERLY LEG OF A CURVE SIGN.
 STA. 267 +28, 36' LT
 X= 13097065.21, Y= 299652.08 ELEV= 1002.45'

DATA# 42
 DESCRIPTION: SET 1/2" MDOT CAPPED REBAR 37' NORTH OF THE CENTERLINE OF M-50 AND ABOUT 540' WEST OF THE INTERSECTION OF M-50 AND RIVES JUNCTION ROAD.
 S 75 W 23.63' SET PK NAIL AND MDOT TAG IN THE NORTH SIDE OF A POWER POLE.
 N 34 W 82.73' TO THE SE CORNER OF A GARAGE.
 STA. 269 +79, 37' RT
 X= 13096869.89, Y= 299825.68 ELEV= 1007.08'

DATA# 44
 DESCRIPTION: SET 1/2" CAPPED REBAR 28' SOUTH OF THE CENTER LINE OF M-50 AND ABOUT 445' EAST OF THE INTERSECTION OF M-50 AND BLACK OAK TRAIL.
 S 75 W 10.30' SET DUPLEX NAIL AND MDOT TAG IN THE WEST SIDE OF AN 18" ELM.
 S 50 W 26.50' TO THE NW CORNER OF A CHAINLINK FENCE.
 N 40 W 82.92' TO THE SOUTH EDGE OF THE SOUTHERLY LEG OF RIVES JUNCTION ROAD SIGN.
 STA. 273 +33, 28' LT
 X= 13096546.67, Y= 299976.27 ELEV= 1004.11'

DATA# 46
 DESCRIPTION: SET MAG NAIL AND MDOT TAG IN THE EASTERLY CUL-DE SAC OF MOUNTIE WAY IN NORTH VALLEY FARM SUBDIVISION.
 S 75 W 45.4' TO THE CENTERLINE JOINT OF A CONCRETE DRIVEWAY, HOUSE #6208, WHERE IT MEETS THE BIT ROAD.
 N 55 E 42.1' TO THE CENTERLINE JOINT OF A CONCRETE DRIVEWAY, HOUSE #6205, WHERE IT MEETS THE BIT ROAD.
 STA. 272 +31, 249' RT
 X= 13096795.49, Y= 300134.43 ELEV= 1002.13' (GPS)

DATA# 48
 DESCRIPTION: SET MAG NAIL AND MDOT TAG IN THE SOUTH EDGE OF BIT AT THE SW QUADRANT OF THE INTERSECTION OF NORTH VALLEY FARM ROAD AND MOUNTIE WAY IN THE NORTH VALLEY FARM SUBDIVISION.
 S 35 W 32.9' TO THE CENTER OF A CATCH BASIN.
 S 35 E 49.6' TO THE CENTER OF A STORM MANHOLE.

STA. 277+86, 284' RT
 X= 13096376.94, Y= 300500.02 ELEV= 993.35' (GPS)


DATA# 49
 DESCRIPTION: SET MAG NAIL AND MDOT TAG IN THE WEST EDGE OF BIT OF NORTH VALLEY FARM ROAD AND 53' NORTH OF THE CENTERLINE OF M-50.
 NW 2.7' TO THE BACK OF CURB.
 S 80 W 6.8' TO THE E'LY LEG OF A "STOP" SIGN.

STA. 277 +89, 53' RT
 X= 13096233.72, Y= 300318.05 ELEV= 997.57' (GPS)

DATA# 52
 DESCRIPTION: SET CAPPED REBAR 21' NORTH OF THE CENTERLINE OF M-50 AND ABOUT 715' WEST OF THE CENTERLINE OF NORTH VALLEY FARM ROAD.
 N 33 E 53.50' TO THE SW CORNER MONUMENT OF NORTH VALLEY FARM SUBDIVISION.
 N 30 W 85.05' SET A DUPLEX NAIL AND MDOT TAG IN THE SOUTH SIDE OF A 28" WALNUT.

STA. 284 +73, 22' RT
 X= 13095672.04, Y= 300709.65 ELEV= 1004.88'

KEBS CAPPED IRON 20+90 RT
 X=13096830.67
 Y=299864.53
 (FOR RESETTING AFTER GRADING)

	BENCHMARK/WITNESS FOR M-50				
	DATE	CONT. SEC.	JOB NO.	DESIGN UNIT	SHEET NO.
	04/06/07				R.O.W CONST.

DATE: WORKED ON BY: CHECKED BY: FILE NAME: