

VILLAGE OF SHERMAN

DRAFT

PAVEMENT INVENTORY
REPAIR PROGRAM
OVERLAY PROGRAM

June 7, 2011

Performed by I.E. Consultants
6426 S. SIXTH
SPRINGFIELD IL 62712
(217) 529-8027

PAVEMENT REHABILITATION PLAN

The Village of Sherman has maintenance jurisdiction for over 25 miles of streets and roadways. A list of those streets as well as some information about each street's length, pavement structure, repairs needed, and age are included in EXHIBIT A.

The large majority of Sherman's streets are construction of asphalt pavement. The expected life of an asphalt pavement depends upon several factors including the pavement structure, traffic loads and frequency, drainage of the subsoil, etc. A typical average expected life for asphalt pavements of residential streets in the Village of Sherman can be expected to be about 30 years. There are several locations within the village where pavement has exceeded the expected life.

A survey of the Village of Sherman's streets was completed in the spring of 2011. The survey identified areas where patching was needed, sinkholes in the pavement, quantities and locations of cracks larger than 1" wide, bad pavement joints and other deficiencies. A map of the survey can be found in Exhibit E. Pavement cracks smaller than 1" were too numerous to quantify so some general notations and estimates were made regarding cracks smaller than 1".

Pavement Repair Options

The following options exist for various pavement repairs:

Pavement Overlay – Mill 2" of existing asphalt surface and overlay with 2" to 2.5" of new asphalt surface. This repair would be used on large areas of entire street width where the asphalt has reached its expected life or is failing. Approximate Cost = \$50 per square yard.

Hot Patch – Remove loose asphalt and patch with hot asphalt mix. Patch is rolled and compacted after placement. This repair would be used on larger potholes or settled areas. Approximate Cost = \$50 per square yard.

Cold Patch – Remove loose asphalt and patch with cold mix. Patch is hand compacted. This repair can be used on potholes of small to medium size. Approximate cost = \$31 per square yard.

Spray Patch – Remove loose asphalt and fill hole by spraying layers of oil emulsion and stone to fill hole. The repair can be used on any size pothole or settled area. Approximate Cost = \$27 per square yard.

Standard Crack Repair Greater than 1" width – Clean out crack with compressed air. Install foam backer rod and fill with hot poured rubber sealer. Approximate cost by contractor = \$4.06 per linear foot.

Emulsion Crack Repair Greater than 1" width – Clean out crack with compressed air. Install foam backer rod and fill with oil emulsion/rock mix. Approximate cost = \$2.04 per linear foot. (Includes machine + material + village labor)

PAVEMENT REHABILITATION PLAN

Standard Crack Repair Less than 1" width – Clean out crack with compressed air. Fill with hot poured rubber sealer. Approximate cost by contractor = \$2.55 per linear foot.

Emulsion Crack Repair Less than 1" width – Clean out crack with compressed air. Fill with oil emulsion/sand mix. Approximate cost = \$1.02 per linear foot. (Includes machine + material + village labor)

Pavement Rehabilitation Recommendations.

Repair Program. There are several locations within the Village which need immediate repairs. Those repairs may include potholes, alligatored areas, sinkholes, settled areas, cracks wider than 1", and cracks less than 1" wide. These areas were estimated by a pavement survey done in the spring of 2011. Damaged areas are shown in EXHIBIT E.

All of these repairs could be completed by the Village Public Works Department if some additional equipment was purchased or leased.

EXHIBIT C shows a repair program showing two possible scenarios:

The first scenario is based on the Public Works crew performing cold patch repairs to potholes and a contractor providing crack repairs.

The second scenario is based on the 5 year lease/purchase of a spray patch machine with the Public Works Crew performing all patching and crack sealing. Note that even with the purchase of the equipment, the cost of the second scenario is approximately \$70,000 less over a 5 year period.

The Repair Program would be required in addition to any overlay program. The Repair Program is necessary to extend the life of the Village streets so that resurfacing can be put off as long as possible.

Repair Recommendations. It is recommended that the Village research and purchase a spray patch machine which has the capabilities of performing patching as well as crack sealing operations. This machine is recommended for the following reasons:

- Spray patching is the most cost effective method patching method for potholes.
- Spray patching equipment can be used to cement alligator cracked areas in place.
- Spray patching can be used to build up sink holes and settled areas without having to cut out pavement.
- Spray patching equipment has crack sealing capabilities.
- Spray patching can be done throughout the year and does not have to wait for asphalt plants to open.

PAVEMENT REHABILITATION PLAN

Overlay Program. There are a few locations within the Village of Sherman where the asphalt surface has failed and is rapidly deteriorating. The cause of this failure is primarily due to the age of the pavement. These locations involve large areas of streets and are candidates for pavement overlays.

Pavement overlays require specialized equipment including: Pavers, rollers, milling machines, etc. and are outside the capabilities of the Village Public Works Department and would need to be completed by an outside contractor hired thru a bidding process.

The areas immediately recommended for overlay are listed below in order of priority

1. Cabin Smoke Trail, Rail Meadows
2. Woodsmill Road, Birch Lakes
3. Flagglan Drive, Flagglan Park
4. Crown Point Drive, Crown Point
5. Charter Oak Drive, Birch Lakes
6. Landsdowne Drive, Crown Point
7. Windamere Drive, Crown Point
8. Old Tipton School Road
9. St John's Drive

Two different possible programs for completing the overlays are shown in EXHIBIT D.

Under the \$100,000 per year program, 100% of the streets noted above would be resurfaced in a 10 year period for a total cost of approximately \$1,000,000.

Under the \$50,000 per year program, the worst 50% of these streets would be resurfaced over a 10 year period for a total cost of approximately \$500,000.

Note that Old Tipton School Road and St John's Drive are eligible for Federal funds and under either program the Village should plan to apply for Federal Funds to assist in the overlay of those streets.

Also note that when the 10 year Overlay Program is complete, it is likely that there will be additional streets requiring overlays. Following the 10 year program, a new assessment of street condition should take place new priorities for overlays should be developed.

Sherman Street Network Table

Subdivision	Street Name	Length (Feet)	MILES	CONDITION	EST. YEAR BUILT	Patent's - Immediate (Sq Yd)	Joint Repair Mill 16" Strip & Overlay (Feet)	Cracks 1" or more (Feet)	Cracks 1" or less (Feet)	Sinkhole (Sq Yd)	EX PAVEMENT DESIGN	TRAFFIC (V/N)	TIF
Flagland Park	ADRIAN DRIVE	290	0.05	Fair	1976				29		6" Agg Base - 2" Bit Surf Crse	LOW	N
Steeplechase	AIN'TREE CHASE	695	0.13	Fair	1999			54	69.5		2" Bit Conc Surf Crse - 5" Bit Base Crse	LOW	N
Flagland Park	AMHERST DRIVE	500	0.09	Fair	1976			50	570.6		6" Agg Base - 2" Bit Surf Crse	LOW	N
Steeplechase	ANDREW ROAD	5706	1.08	Fair	1993			149	286.9	6.2	1 1/2" Bit Conc Surf Crse - 2 1/2" Bit Conc Bndr Crse - 4" B.A.M	MEDIUM	N
Steeplechase	ARLINGTON CHASE	2969	0.54	Fair	1994			101	51.9	0.4	2" Bit Conc Surf Crse - 5" B.A.M	LOW	N
Steeplechase	AUTUMN RIDGE COURT	625	0.12	Fair	1994			27	62.5		4" Bit Binder Crse, C.I. 1 2" Bit Surf C.I. 1 - Comp Sub	LOW	N
Waterford	BACK BAY DRIVE	607	0.11	Good	2004				80.7		2" Bit Surf Crse - 5" Bit Bndr Crse - 1 1/2" Lime	LOW	N
Flagland Park	BAYLOR	214	0.04	Fair	1976			77	21.4		6" Agg Base - 2" Bit Surf Crse	LOW	N
Steeplechase	BELMONT CHASE	425	0.08	Fair	1976				42.5	0.9	2" Bit Conc Surf Crse - 5" B.A.M	MEDIUM	N
Waterford	BIRCH LAKE DRIVE	2447	0.46	Good	1975			54	244.7	0.4	6" Agg Base - 2" Bit Surf Crse	MEDIUM	N
Flagland Park	BLUE SPRINGS DRIVE	1051	0.20	Good	2004			34	105.1		2" Bit Surf Crse - 5" Bit Bndr Crse - 1 1/2" Lime	LOW	N
Flagland Park	BRIDGEPORT	340	0.08	Fair	1972				34		6" Agg Base - 2" Bit Surf Crse	LOW	N
Flagland Park South	BRITTON PLACE	653	0.12	Fair	1984			138	65.3	2.2	2" Bit Conc Surf Crse - 5" Bit Base Crse - Comp Sub	MEDIUM	N
Brookside Glen	BROOKSIDE GLEN DRIVE	1929	0.37	Fair	1989				192.9		6" Agg Base - 3" Compacted Bituminous Surface	HIGH	N
Rail Meadows	CABIN SMOKE TRAIL	4781	0.91	Fair / Poor	1985	80.0			478.1	0.9	1 1/2" Bit Conc Surf Crse - 5" Bit Bndr Crse - Comp Sub	LOW	N
Birch Lakes Estates	CHARTER OAK DRIVE	1673	0.32	Fair	1986	99.7			167.3		6" Agg Base - 2" Bit Surf Crse	LOW	N
Rail Meadows	CHIMNEY VIEW LANE	785	0.14	Fair	1985			81	78.5		6" Agg Base - 3" Compacted Bituminous Surface	MEDIUM	N
Brookside Glen	CORNISLUK COURT	226	0.04	Good	2004				22.6		2" Bit Surf Crse - 5" Bit Bndr Crse - Comp Sub	LOW	N
Route 66 Crossing	CORVETTE DRIVE	1489	0.28	Good	2006				148.9	0.9	6" Agg Base - 1 1/2" Bit Surf 2 1/2" Bit Bind	LOW	N
The Crossing	CROSSING DRIVE	955	0.18	Fair / Good	1988	67.6			95.5		6" Agg Base - 2" Bit Surf Crse - C.I. 1	LOW	N
Crown Point	CROWN POINT DRIVE	1642	0.31	Fair / Poor	1979	103.9			164.2		2" Bit Base - 2" Bit Surf Crse	LOW	N
Flagland Park	DUNBARTON	741	0.14	Fair	1977			27	74.1		6" Agg Base - 2" Bit Surf Crse	MEDIUM	N
Flagland Park	EMORY DRIVE	309	0.06	Good	1974				30.9		6" Agg Base - 2" Bit Surf Crse	LOW	N
Old Timin Estates	EVERGREEN WALK	937	0.18	Good	2005				93.7		2" Bit Surf Crse - 5" Bit Surf Crse	LOW	N
The Prairie at Brookside Glen	FIELDSIDE LANE	278	0.05	Fair	2006			27	27.8		2" Bit Surf Crse - 5" Bit Bndr Crse - Comp Sub	LOW	N
Old Sherman / Quail Ridge	FIRST STREET	5394	1.08	Good / Fair	2000	11.1		54	539.4	1.2	6" Agg Base - 3" Compacted Bituminous Surface	LOW	N
Flagland Park	FLAGLAND DRIVE	2840	0.50	Fair	1988	128.2		27	284	1.8	6" Agg Base - 2" Bit Surf Crse	HIGH	N
Waterford	FLEETWOOD DRIVE	628	0.12	Good	2002			60	62.8	0.4	2" Bit Surf Crse - 5" Bit Surf Crse	LOW	N
Old Timin Estates	FOUNTAIN PARK DRIVE	987	0.19	Good	2005			27	98.7	0.4	2" Bit Surf Crse - 5" Bit Bndr Crse - 1 1/2" Lime	LOW	N
Route 66 Crossing	GALAXIE DRIVE	622	0.12	Good	2006				62.2		6" Agg Base - 1 1/2" Bit Surf 2 1/2" Bit Bind	LOW	N
Georgetown Oaks	GEORGETOWNE ROAD	798	0.15	Fair	1994	5.6		162	79.8	0.4	6" Agg Base - 3" Compacted Bituminous Surface	LOW	N
Rail Meadows	GOLF CREST COURT	958	0.18	Fair	1994				95.8		4" Bit Binder Crse, C.I. 1, 2" Bit Surf, C.I. 1 - Comp Sub	LOW	N
Quail Ridge	GOOSENECK TRAIL	842	0.12	Fair	1989			81	84.2	2.2	2" Bit Surf Crse - 4" Bit Bndr Crse - Comp Sub	LOW	N
British Place North	GRACIE LANE	830	0.16	Good	1994			27	83		2" Bit Surf Crse, C.I. 1, 5" Bit Bind Crse - Comp Sub	LOW	N
The Prairie at Brookside Glen	GREEN MEADOW DRIVE	467	0.09	Good	2005			54	46.7		2" Bit Surf Crse - 4" Bit Bind Crse - Comp Sub	LOW	N
Quail Ridge	GROUSE COURT	314	0.06	Good	1989				31.4		2" Bit Surf Crse - 5" Bit Surf Crse	LOW	N
Flagland Park North	HANNAH DRIVE	352	0.07	Good	1994				35.2		6" Agg Base - 2" Bit Surf Crse	LOW	N
Flagland Park	HARTFORD DRIVE	752	0.14	Good	1973			27	75.2	0.1	2" Bit Surf Crse - 5" Bit Surf Crse	LOW	N
The Prairie at Brookside Glen	HARVEST COURT	584	0.11	Good	2005			27	58.4	1.8	5" Bit Base Crse, 2" Bit Surf Crse C.I. 1	LOW	N
Steeplechase	HICKORY RIDGE CHASE	840	0.16	Fair	2001				84		6" Agg Base - 3" Compacted Bituminous Surface	LOW	N
Rail Meadows	HILL TOP LANE	1140	0.22	Fair	1985			27	114		6" Agg Base - 2" Bit Surf Crse	LOW	N
Brookside Glen	JULIA DRIVE	337	0.08	Fair	1988				33.7	0.9	6" Agg Base - 2" Bit Surf Crse	LOW	N
Brookside Glen	KINGSPOINT DRIVE	85	0.02	Fair	2005			108	8.5		6" Agg Base - 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	LOW	N
Crown Point	KINGSWAY DRIVE	850	0.16	Fair	1979			30	85	1.9	6" Agg Base - 2" Bit Surf Crse	LOW	N
Brookside Glen	LAKEVIEW DRIVE	1082	0.20	Fair	1967			81	108.2		6" Agg Base - 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	LOW	N
Crown Point	LANDSDOWNE DRIVE	955	0.18	Fair / Poor	1979	5.6		180	95.5		2" Bit Surf Crse - 5" Bit Base Crse - Comp Sub	MEDIUM	N
Brookside Glen	LOST TREE DRIVE	2578	0.49	Good	2006			81	257.8		6" Agg Base - 2" Bit Surf Crse	MEDIUM	N
Old Sherman	MAIN STREET	711	0.13	Good	2000				71.1		2" Bit Surf Crse - 5" Bit Surf Crse - Comp Sub	MEDIUM	N
Quail Ridge	MALLARD WAY	382	0.07	Fair	1985			54	38.2	0.7	4" B.A.M - 2" Bit Surf Crse - C.I. 1	LOW	N
Old Hickory at the Rail	MASHIE COURT	851	0.12	Good	2005			27	85.1		2" Bit Surf Crse - 5" Bit Bndr Crse - Comp Sub	LOW	N
Brookside Glen	MEADOWLANDS DRIVE	980	0.18	Fair	1989			27	98	2.2	4" B.A.M - 2" Bit Surf Crse - C.I. 1	LOW	N
Quail Ridge	MEREDITH DRIVE	4456	0.84	Good	2005				445.6		1 1/2" Bit Conc Surf - 1 1/2" Bit Conc Bndr Crse - 7" Bit Conc Base - 4" Agg	HIGH	N
Flagland Park	MIDDLEBURG DRIVE	1553	0.29	Good	1974	2.7			155.3		6" Agg Base - 2" Bit Surf Crse	MEDIUM	N

EXHIBIT A - STREET INVENTORY 1/3

Sherman Street Network Table

Subdivision	Street Name	Length (feet)	MILES	CONDITION	EST. YEAR BUILT	Patches - (Sq Yd)	Joint Repair Mill 16" Strip & Overlay (feet)	Cracks 1" or more (feet)	Cracks 1" or less (feet)	Sinkhole (Sq Yd)	EX PAVEMENT DESIGN	TRAFIC (V/M)
Old Hickory at the Rail	NIBLUCK LANE	420	0.08	Good	2005			42			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Old Tipton Estates	NINE ROCK ROAD	736	0.14	Good	2005			73.6			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Sherman Lake Estates	NORTH DRIVE	980	0.19	Good	1979	2.8		99			6" Agg Base - 2" Bit	LOW N
Old Sherman	OLD TIPTON SCHOOL ROAD	692	0.13	Good	2001			69.2			7" Bit Base Course, 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	LOW N
Waterford	OPAL LANE	5990	1.13	Fair	Unknown			589			2" Bit Surf Crse - 5' Bit Bndr Crse - 12" Lime	HIGH N
The Prairie at Brookside Glen	PARKVIEW DRIVE	146	0.03	Fair	2004			14.6			2" Bit Surf Crse - 5' Bit Bndr Crse - 12" Lime	LOW N
Lynedale	PARKWAY DRIVE	442	0.08	Good	2005	17.1		44.2			2" Bit Surf Crse - 5' Bit Bndr Crse - 12" Lime	LOW N
Quail Ridge	PARTIDGE PASS	3056	0.58	Fair	1985			305.6			2" Bit Surf Crse - 5' Bit Bndr Crse - 12" Lime	LOW N
Quail Ridge	PHEASANT RUN	415	0.08	Good	2000			41.5			5' Bndr - 2" Bit Surf Crse - 5' Bit Bndr Crse - 12" Lime	LOW N
Sheepchess	PILICO CHASE	1273	0.24	Fair	1994			127.3			4" Bndr - 2" Bit Surf Crse - 5' Bit Bndr Crse - 12" Lime	LOW N
Brookside Glen	PINE DRIVE	2703	0.51	Fair	1986			270.3			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	MEDIUM N
Brookside Glen	POUNDER WAY	158	0.03	Fair	1991			15.8			6" Agg Base - 2" Bit Surf Crse	LOW N
Brookside Glen	PORTLAND DRIVE	308	0.06	Good	1976			30.8			6" Agg - 2" Bit	MEDIUM N
Brookside Glen	POSSUM PASS COURT	532	0.10	Good	2003			53.2			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
The Prairie at Brookside Glen	PRAIRIE LAKE DRIVE	1735	0.33	Good	2006			173.5			2" Bit Surf Crse - 5' Bit Bndr Crse - 1 1/2" Bit Surface Crse	LOW N
Lynedale	PRAIRIE PLACE	136	0.03	Good	2004			13.6			2" Bit Surf Crse - 5' Bit Bndr Crse - 1 1/2" Bit Surface Crse	LOW N
Lynedale	PRINCE DRIVE	475	0.09	Fair / Poor	1995	0.9		47.5			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Villa East	PRIVATE ROAD	821	0.16	Good	1988			82.1			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Villa West	PRIVATE ROAD	828	0.16	Good	1989			82.8			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Quail Ridge	QUAIL ROOST COURT	551	0.10	Fair	1989	7.1		55.1			6" Agg Base, 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	LOW N
Lynedale	QUEENSWAY DRIVE	1202	0.23	Fair	1995			120.2			6" Agg Base, 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	LOW N
Brookside Glen	RADFORD DRIVE	535	0.10	Fair	1991			53.5			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	MEDIUM N
Quail Ridge / Brookside Glen	RAMBLEDWOOD LANE	2018	0.38	Fair	2001			201.8			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Old Tipton Estates	RED BLD RUN	1637	0.31	Good	2005	0.9		163.7			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	MEDIUM N
Brookside Glen	RIDGEVIEW DRIVE	811	0.16	Fair / Poor	1986			81.1			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Brookside Glen	RUTGERS DRIVE	356	0.07	Fair / Poor	1977			35.6			6" Agg Base - 2" Bit Surf Crse	MEDIUM N
Sheepchess	SARATOGA CHASE	2410	0.46	Good	2001	2.8		241			5" Bit Base Course, 2" Bit Surf Crse	LOW N
Old Sherman	SEBRING ROAD	2746	0.52	Good	1994			274.6			1 1/2" Bit Surf + 1 1/2" Bit Base over Ex Oil & Chip	MEDIUM N
Lynedale	SECOND STREET	788	0.15	Good	2001			78.8			6" Agg Base, 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	MEDIUM Y
Old Sherman	ROYAL DRIVE	181	0.03	Good	1985			18.1			6" Agg Base, 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	LOW N
North Haven	SOUTH STREET	1380	0.26	Good	2001			138			6" Agg Base, 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	MEDIUM Y
Flagland Park	STARBUST DRIVE	2550	0.50	Fair	1974			255			6" Agg Base, 2" Bit Surf Crse	MEDIUM N
Flagland Park	STONEHILL DRIVE	1158	0.22	Fair	1977	10.0		115.8			6" Agg Base, 2" Bit Surf Crse	MEDIUM N
Flagland Park	ST. JOHNS DRIVE	2058	0.39	Fair / Poor	1970	44.4		205.8			4" Bndr, 2 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	HIGH N
Brookside Glen	SUNKIST DRIVE	1160	0.22	Fair	2004			116			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Old Sherman	THIRD STREET	794	0.15	Good	2001			79.4			6" Agg Base, 1 1/2" Bit Binder Crse, 1 1/2" Bit Surface Crse	LOW N
Brookside Glen	TIMBER EDGE DRIVE	174	0.03	Good	2000			17.4			5" Bndr - 2" Bit Surf Crse - C11 - 1" Ty 2 - Mix C	LOW N
Brookside Glen	TIMBERCREST DRIVE	1055	0.20	Good	2004			105.5			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Timberline Estates	TIMBERLINE LANE	948	0.18	Good	1974			94.8			6" Agg Base - 2" Bit Surf Crse	LOW N
Quail Ridge	TURTLE DOVE DRIVE	1048	0.20	Good	1989			104.8			1 1/2" Bit Surf, C11, 1" Ty 1, Mix C - 1 1/2" Bit Bndr, C11, 1" Ty 2, Mix B - 8" Agg Base	LOW N
Flagland Park	TRANTON DRIVE	847	0.16	Good	2000			84.7			4" Bit Binder Crse - 2" Bit Surf Crse - Comp Sub	LOW N
Flagland Park	VANDERBILT	816	0.15	Good	1976	3.3		81.6			6" Agg Base - 2" Bit Surf Crse	LOW N
Flagland Park	VILLAGE CENTER DRIVE	735	0.14	Good	1972			73.5			6" Agg Base - 2" Bit Surf Crse	LOW N
Flagland Park	WESTHAMPTON	3502	0.66	Good	2006			350.2			1 1/2" Bit Conc Surf Crse - 2 1/2" Bit Conc Bndr Crse - 6" Bndr	LOW N
Georgetown Oaks	WILLAMSBURG ROAD	1036	0.20	Fair	1973	13.3		103.6			6" Agg Base - 2" Bit Surf Crse	LOW N
Sherman Lake Estates	WILLOW HILL DR.	425	0.08	Fair	1984			42.5			6" Agg Base, 3" Contracted Bituminous Surface	LOW N
Waterford	WILLOW BAY	256	0.05	Good	1982	27.2		25.6			6" Agg Base, 3" Contracted Bituminous Surface	LOW N
Brookside Glen	WINDAMERE DRIVE	390	0.07	Good	2004			39			2" Bit Surf Crse - 5' Bit Bndr Crse - 12" Lime	LOW N
Crown Point	WINDGATE DRIVE	1021	0.19	Fair/Poor	1979	8.9		102.1			6" Agg Base - 2" Bit Surf Crse	LOW N
Flagland Park	WOOD DUCK COURT	570	0.11	Good	1988			57			6" Agg Base - 2" Bit Surf Crse	LOW N
Flagland Park	WOODRIDGE DRIVE	275	0.05	Good	1989			27.5			2" Bit Surf Crse - 4" Bit Bndr Crse - Comp Sub	LOW N
The Prairie at Brookside Glen	WOODS MILL ROAD	411	0.08	Good	2003			41.1			2" Bit Surf Crse - 5' Bit Bndr Crse - Comp Sub	LOW N
Brookside Glen	WOODS MILL ROAD	2290	0.43	Fair / Poor	1986	116.7		229			6" Agg Base, 2" Bit Surf Crse	LOW N

EXHIBIT A - STREET INVENTORY 2/3

Sherman Street Network Table

Subdivision	Street Name	Net Length (feet)	MILES	CONDITION	EST. YEAR BUILT	Pavement - Immediate (Sq Yd)	JOINT Repair Mill 16" Strip & Overlay (feet)	Cracks 1" or more (feet)	Cracks 1" or less (feet)	Sinkhole (Sq Yd)	EX PAVEMENT DESIGN	TRAFFIC (V/M)	TF
Steppenachse	MORTINGTON CHASE	560	0.11	Fair	1899		27	54	59	0.4	6" Bit Base Crse, 2" Bit Surf Crse C1	LOW	N
Flagland Park	XAVIER DRIVE	324	0.06	Good	1977				32.4		6" Agg Base, 2" Bit Surf Crse	LOW	N
	ZIMMERMAN DRIVE	4896	0.92	Good	2006				485.6		EX 8" & VAR. PR 1 1/2" BINDER, PR 1 1/2" SURFACE BITUMINOUS	HIGH	N
TOTAL						768.0	2281.0	1885.0	13628.4	58.0			N
TOTAL ROAD MILES =			25.09										

Village of Sherman
Pavement Inventory

STREET REPAIR COSTS

PURCHASE SPRAY PATCHER

Item	Unit	Price
Purchase Price Machine	Each	\$57,500.00
5 Year Lease Purchase	Year	\$13,400.00
Machine Cost (20 Days/Yr)	\$/Day	\$ 670.00
Machine Cost (40 Days/Yr)	\$/Day	\$ 335.00
Production Rate Patch	Tons/Day	13
Patch Area per Ton (4" Thick)	SY/Ton	4.5
Production Rate	SY/Day	59.0
Production Rate Crack Seal	FU/Day	1000.0
Labor Required	Men/Day	2
Labor Rate (\$19.20/hour)	\$/Day/Man	\$154.00
Rock Material Cost	\$/Ton	\$15.00
Oil Material Cost	\$/Gallon	\$2.50
Rock Required for 10 Tons Patch	Tons	9.5
Oil Required for 10 Tons Patch	Gallon	130
Patch Material Cost per Ton	\$/Ton	\$46.75
Patch Labor Cost per Ton	\$/Ton	\$23.69
Equipment Cost per Ton (40 days/yr)	\$/Ton	\$ 25.77
Equipment Cost per Ton (20 days/yr)	\$/Ton	\$ 51.54
Total Patch Cost per Ton (40 days)	\$/Ton	\$ 96.21
Total Patch Cost per Ton (20 days)	\$/Ton	\$ 121.98
Total Patch Cost per SY (40 days)	\$/SY	\$ 21.55
Total Patch Cost per SY (20 days)	\$/SY	\$ 27.32
Volume of 2000 Ft Crack 1" x 4"	Cu Ft	27.39
Crack Oil Material for 2000' x 1" x 4"	Gallon	204.86
Sand for 2000' x 1" x 4"	Ton	1
Torpedo Sand Material Cost	Ton	15.15
Crack Material Cost per Foot	\$/Ft	\$0.53
Crack Labor Cost per Foot	\$/Ft	\$0.31
Crack Equipment Cost per Foot (40 days)	\$/Ft	\$0.34
Crack Equipment Cost per Foot (20 days)	\$/Ft	\$0.67
Total Crack Cost per Foot (40 days/yr)	\$/Ft	\$1.17
Total Crack Cost per Foot (20 days/yr)	\$/Ft	\$1.81

COLD PATCH

Item	Unit	Price
Cold Patch Material Cost	Ton	\$76.50
Production Rate	Ton/Day	5
Labor Required	Men/Day	2
Labor Rate (\$19.20/hour)	\$/Day/Man	\$154.00
Patch Area per Ton (4" Thick)	SY/Ton	4.5
Production Rate	SY/Day	22.3
Patch Material Cost per Ton	\$/Ton	\$76.50
Patch Labor Cost per Ton	\$/Ton	\$81.60
Total Patch Cost per Ton	\$/Ton	\$138.10
Total Patch Cost per SY	\$/SY	\$30.93

CONTRACTOR BIDS - Lowes Paving 3/9/2011

Item	Unit	Price
Hot Patch - Mill and Patch 4"	SY	\$64.00
Crack Seal - Route, Seal, & Band 1" wide or less	Ft	\$2.55
Crack Seal - Route, Seal, & Band 1" and wider	Ft	\$4.08
Multiple Cracks - Mill, Patch 16" x 2" Seal Edges	Ft	\$10.11

STREET OVERLAY

Item	Unit	Price
Furnish & Place HMA Surface Course	Ton	\$ 200.00
HMA Surface Course 2.5"	SY	\$ 28.00
HMA Surface Removal (Milling)	SY	\$ 10.00
20% Contingency	SY	7.6
Resurfacing Total (Mill 2.0" + Surf 2.5")	SY	\$ 45.60

Use \$50/SY

MATERIAL PRICES FROM PH BROUGHTON

3/22/2011

Item	Unit	Price
Cold Patch	Ton	\$ 76.50
Emulsion Oil HFE 90 or HFE 150	Gallon	\$ 4.18
3/8" Rock	Ton	\$ 26.32
Torpedo Sand	Ton	\$ 15.15

Tom Hampton Expected Prices

Item	Unit	Price
Emulsion Oil	Gallon	\$ 2.50
3/8" Rock	Ton	\$ 12.00

EXHIBIT B - UNIT PRICES AND PRODUCTION RATES

IMMEDIATE STREET REPAIRS FROM 2011 SURVEY

Repair	Street	Quantity of Repair	20% Est Amt Growth	Est. Unit Price	2012 Quant	2012 Costs	2012 Days	2013 Quant	2013 Costs	2013 Days	2014 Quant	2014 Costs	2014 Days	2015 Quant	2015 Costs	2015 Days	2016 Quant	2016 Costs	2016 Days	2012-2016 Total Quant	2012-2016 Total Costs	2012-2016 Total Days		
Pothole Repair (S)	Village Wide	688	140	\$31.00	540	\$16,740	24.5	230	\$7,130	10.5	198	\$6,138	9.0	140	\$4,340	6.4	140.0	\$4,340	6.4	140.0	\$4,340	6.4	\$38,688	58.7
Crack Repair < 1" (L)	Village Wide	13828	2700	\$2.55	2,000	\$5,100		7,000	\$17,850	7,000	7,000	\$17,850	7,000	5,728	\$14,606	5.728	2700.0	\$6,985	2700.0	2700.0	\$6,985	2700.0	\$6,985	2700.0
Crack Repair > 1" (L)	Village Wide	1885	380	\$4.06	1,000	\$4,060		1,000	\$4,060	1,000	1,000	\$4,060	1,000	25	\$102	1.02	390.0	\$1,543	390.0	390.0	\$1,543	390.0	\$1,543	390.0
Joint Repair (L)	Village Wide	2281	460	\$10.11	1,000	\$10,110		1,000	\$10,110	1,000	1,000	\$10,110	1,000	681	\$6,683	6.81	460.0	\$4,651	460.0	460.0	\$4,651	460.0	\$4,651	460.0
Shimhole Repair (S)	Village Wide	58	12	\$31.00	58	\$1,798	2.6	12	\$372	0.5	12	\$372	0.5	12	\$372	0.5	12.0	\$372	12.0	12.0	\$372	12.0	\$372	12.0
						\$37,808	27.2		\$39,522	11.0		\$36,530	9.5		\$26,103	6.9		\$17,790	6.9		\$169,753	61.5		

REPAIR WITH SPRAY PATCH MACHINE ALL BY VILLAGE STAFF

Repair	Street	Quantity of Repair	20% Est Amt Growth	Est. Unit Price	2012 Quant	2012 Costs	2012 Days	2013 Quant	2013 Costs	2013 Days	2014 Quant	2014 Costs	2014 Days	2015 Quant	2015 Costs	2015 Days	2016 Quant	2016 Costs	2016 Days	2017 Quant	2017 Costs	2017 Days	2012-2017 Total Quant	2012-2017 Total Costs	2012-2017 Total Days			
Pothole Repair	Village Wide	688	140	\$27.32	540	\$14,753	9.3	288	\$6,284	4.0	198	\$5,403.38	3.4	140	\$3,824.80	2.4	140.0	\$3,824.80	2.4	140.0	\$3,824.80	2.4	140.0	\$3,824.80	2.4	\$34,086.38	21.5	
Crack Repair < 1"	Village Wide	13828	2700	\$1.02	2,000	\$2,040	2.0	14,328	\$14,616	7.0	10,028	\$10,228.56	5.7	5,728	\$5,842.56	5.7	2,700.0	\$2,754	2,700.0	2,700.0	\$2,754	2,700.0	\$2,754	2,700.0	\$2,754	2,700.0	\$2,754	2,700.0
Crack Repair > 1"	Village Wide	1885	380	\$2.04	1,000	\$2,040	2.0	1,265	\$2,570.5	2.0	645	\$1,312.5	2.0	25	\$51.00	0.1	390.0	\$795	390.0	390.0	\$795	390.0	\$795	390.0	\$795	390.0	\$795	390.0
Joint Repair	Village Wide	2281	460	\$4.55	1,000	\$4,550	5.7	1,741	\$7,928.5	5.7	1,201	\$5,465.5	5.7	681	\$3,097.55	3.8	460.0	\$2,095	460.0	460.0	\$2,095	460.0	\$2,095	460.0	\$2,095	460.0	\$2,095	460.0
Shimhole Repair	Village Wide	58	12	\$27.32	58	\$1,585	1.0	12	\$328	0.2	12	\$327.84	0.2	12	\$327.84	0.2	12.0	\$327.84	12.0	12.0	\$327.84	12.0	\$327.84	12.0	\$327.84	12.0	\$327.84	12.0
						\$24,957	20		\$20,341	18.9		\$19,487.20	18.4		\$19,053.75	12.2		\$9,775	9		\$9,775	9		\$87,775	78.3			

EXHIBIT C - REPAIR PROGRAM

PROPOSED STREET RESURFACING PROGRAM

RESURFACING PROGRAM (\$100,000 Per Year for 10 Years)

STREETS RANKED IN ORDER OF PRIORITY	Est. Quant of Repair (SY)	Est Unit Price	Est Total Cost	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
Resurface * Cabin Smoke Trail	4781	\$50	\$239,050											\$239,050
Resurface Woodsmill Road	2290	\$50	\$114,500	\$100,000										\$114,500
Resurface Flagland Drive	2640	\$50	\$132,000		\$50,000	\$64,500	\$50,000							\$132,000
Resurface Crown Point Drive	1642	\$50	\$82,100				\$50,000	\$82,000						\$82,100
Resurface Charter Oak Drive	1673	\$50	\$83,650					\$18,000	\$64,100					\$82,100
Resurface Landsdowne Drive	955	\$50	\$47,750						\$35,900	\$47,750				\$83,650
Resurface * Old Tipton School Rd	1021	\$50	\$51,050							\$47,750	\$51,050			\$51,050
Resurface * St. Johns Drive	5990	\$50	\$299,500								\$48,950	\$10,950		\$299,500
	2058	\$50	\$102,900									\$20,580		\$102,900
			\$1,152,500	\$100,000	\$100,000	\$103,550	\$100,000	\$100,000	\$100,000	\$95,500	\$100,000	\$271,130	\$82,320	\$1,152,500

* Old Tipton School Road and St. John's Drive are eligible for Federal Funds. Plan to obtain Fed Funds for 2019, 2020, 2021

RESURFACING PROGRAM (\$50,000 Per Year for 10 Years)

STREETS RANKED IN ORDER OF PRIORITY	Est. Quant of Repair (SY)	Est Unit Price	Est Total Cost	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
Resurface worse 50% Cabin Smoke Trail	4781	\$50	\$239,050											\$239,050
Resurface worse 50% Woodsmill Road	2290	\$50	\$114,500	\$50,000										\$114,500
Resurface worse 50% Flagland Drive	2640	\$50	\$132,000		\$50,000	\$50,000								\$132,000
Resurface worse 50% Crown Point Drive	1642	\$50	\$82,100				\$50,000	\$50,000						\$82,100
Resurface worse 50% Charter Oak Drive	1673	\$50	\$83,650					\$50,000	\$50,000					\$83,650
Resurface worse 50% Landsdowne Drive	955	\$50	\$47,750						\$47,750					\$47,750
Resurface worse 50% Windanere Drive	1021	\$50	\$51,050							\$47,750	\$51,050			\$51,050
Resurface * Old Tipton School Rd	5990	\$50	\$299,500									\$59,900	\$20,580	\$299,500
Resurface * St. Johns Drive	2058	\$50	\$102,900									\$59,900	\$20,580	\$102,900
			\$1,152,500	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$47,750	\$51,050	\$59,900	\$20,580	\$479,280

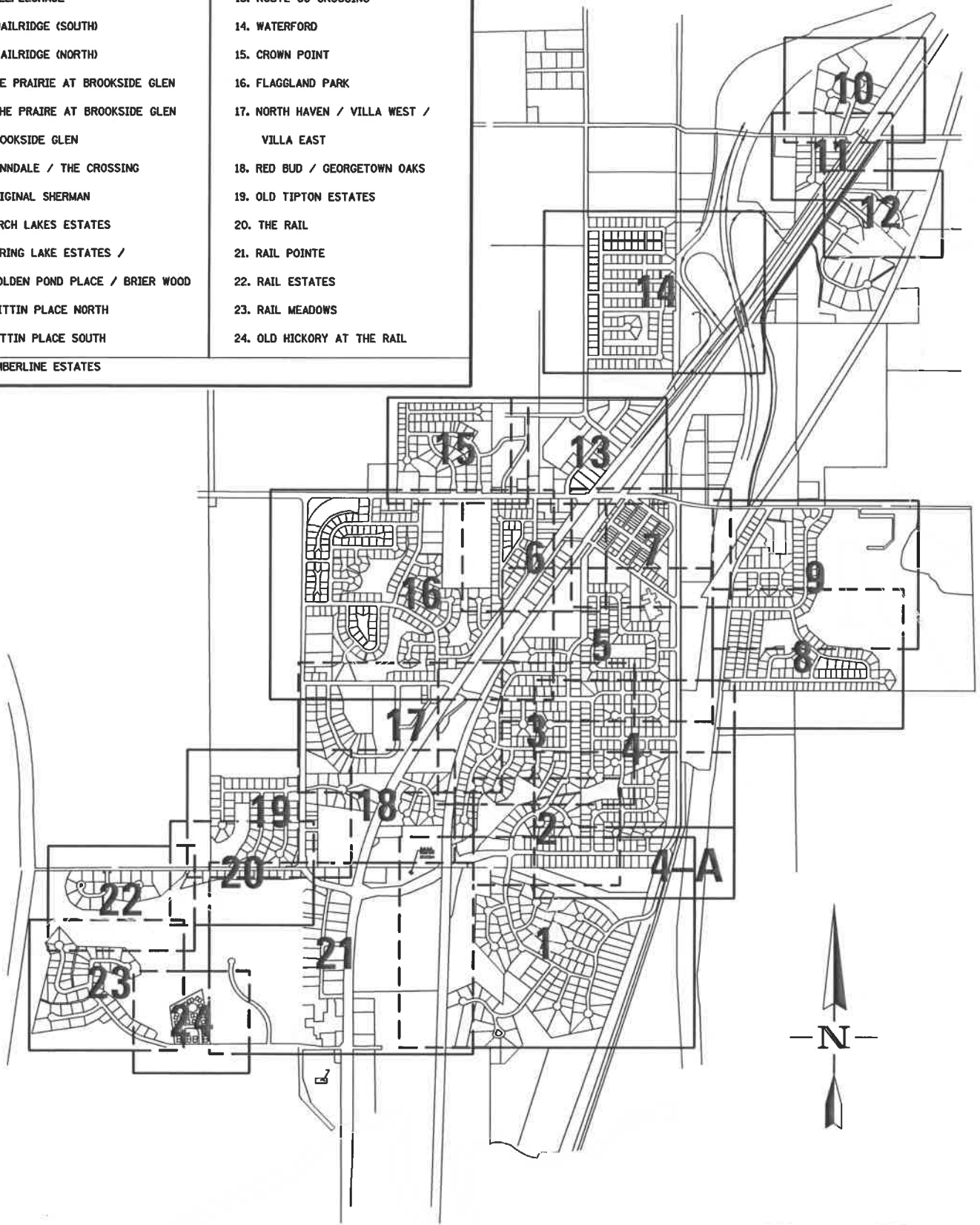
* Old Tipton School Road and St. John's Drive are eligible for Federal Funds. Plan to obtain Fed Funds for 2020, 2021

Under this option, the worst areas would be designated for resurfacing.

EXHIBIT D - RESURFACING PROGRAM

MAP INDEX

- | | |
|--|--|
| 1. STEEPLECHASE | 13. ROUTE 66 CROSSING |
| 2. QUAILRIDGE (SOUTH) | 14. WATERFORD |
| 3. QUAILRIDGE (NORTH) | 15. CROWN POINT |
| 4. THE PRAIRIE AT BROOKSIDE GLEN | 16. FLAGGLAND PARK |
| 4-A. THE PRAIRIE AT BROOKSIDE GLEN | 17. NORTH HAVEN / VILLA WEST /
VILLA EAST |
| 5. BROOKSIDE GLEN | 18. RED BUD / GEORGETOWN OAKS |
| 6. LYNNDALE / THE CROSSING | 19. OLD TIPTON ESTATES |
| 7. ORIGINAL SHERMAN | 20. THE RAIL |
| 8. BIRCH LAKES ESTATES | 21. RAIL POINTE |
| 9. SPRING LAKE ESTATES /
GOLDEN POND PLACE / BRIER WOOD | 22. RAIL ESTATES |
| 10. BRITTIN PLACE NORTH | 23. RAIL MEADOWS |
| 11. BRITTIN PLACE SOUTH | 24. OLD HICKORY AT THE RAIL |
| 12. TIMBERLINE ESTATES | |



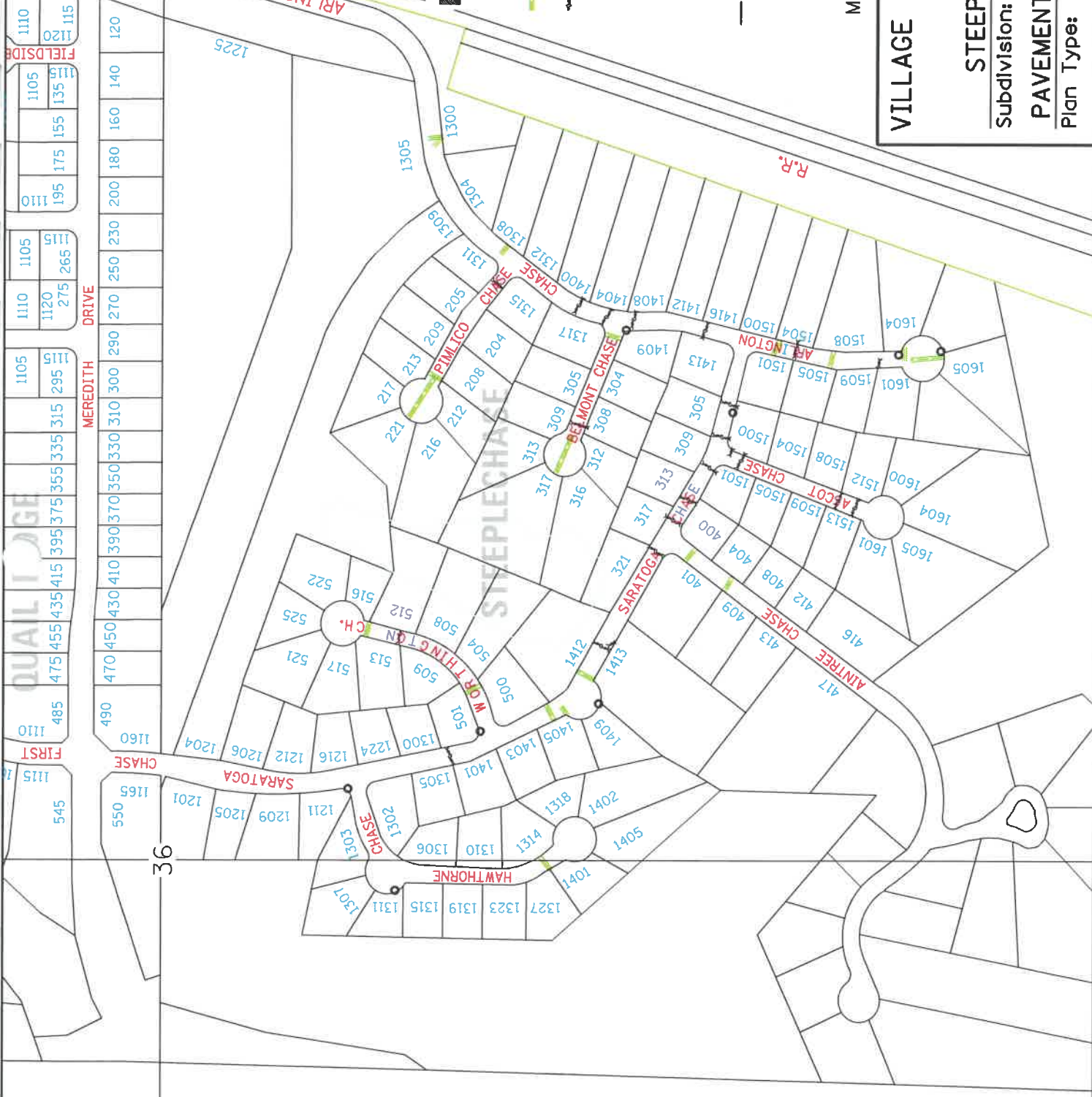
SHERMAN

S.M.S.D.
PUMPING
STATION

725

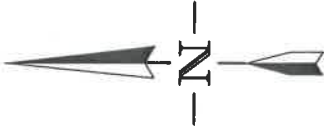
MEREDITH
DRIVE

36



- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MILL 16" STRIP & OVERLAY

1 2



MAP #1

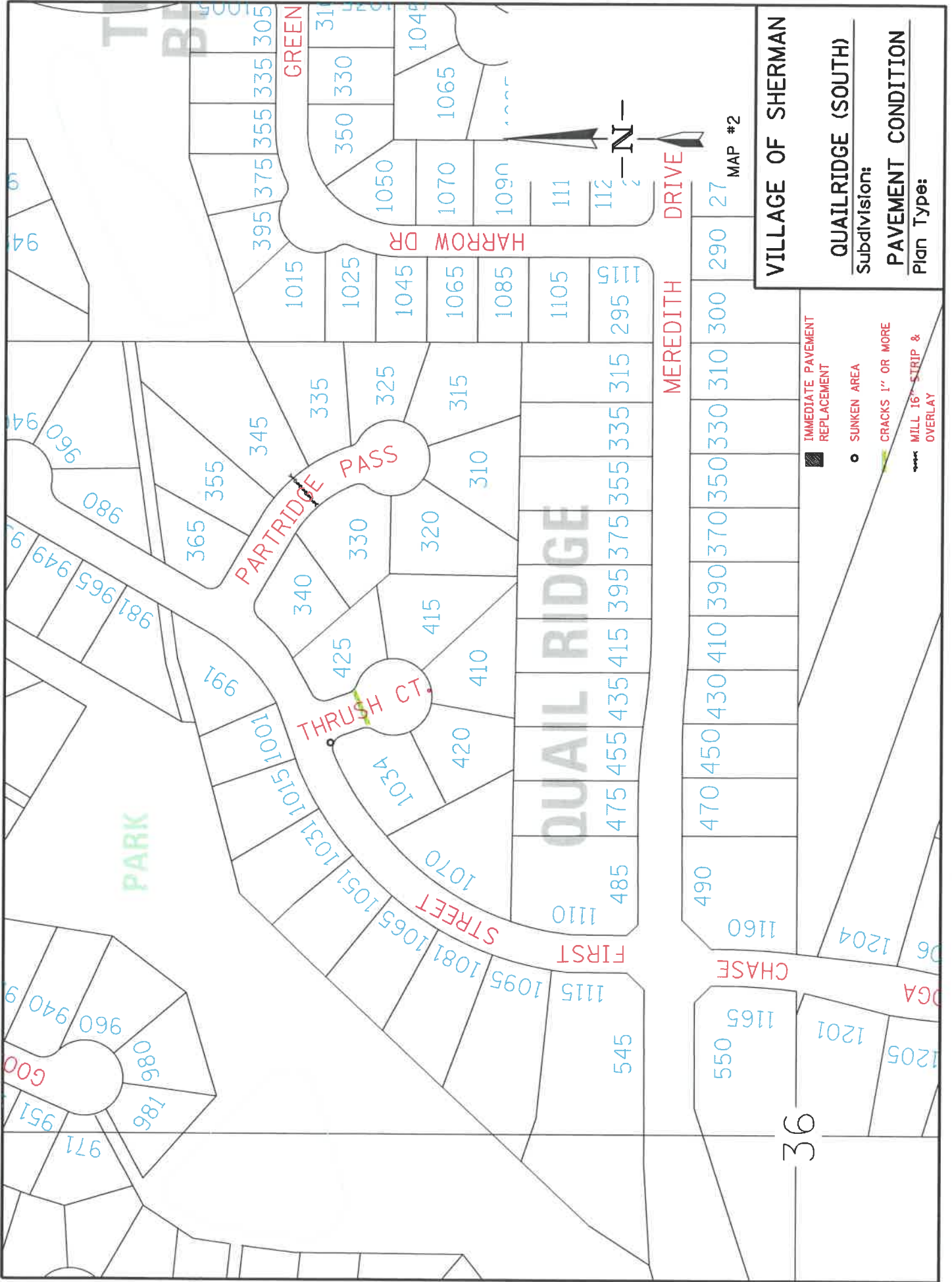
VILLAGE OF SHERMAN

STEEPLECHASE

Subdivision:

PAVEMENT CONDITION

Plan Type:



VILLAGE OF SHERMAN

QUAILRIDGE (SOUTH)

Subdivision:

PAVEMENT CONDITION

Plan Type:

MAP #2

DRIVE

MEREDITH

CHASE

FIRST

STREET

THRUSH CT.

PARTRIDGE PASS

HARROW DR.

GREEN

QUAIL RIDGE

PARK



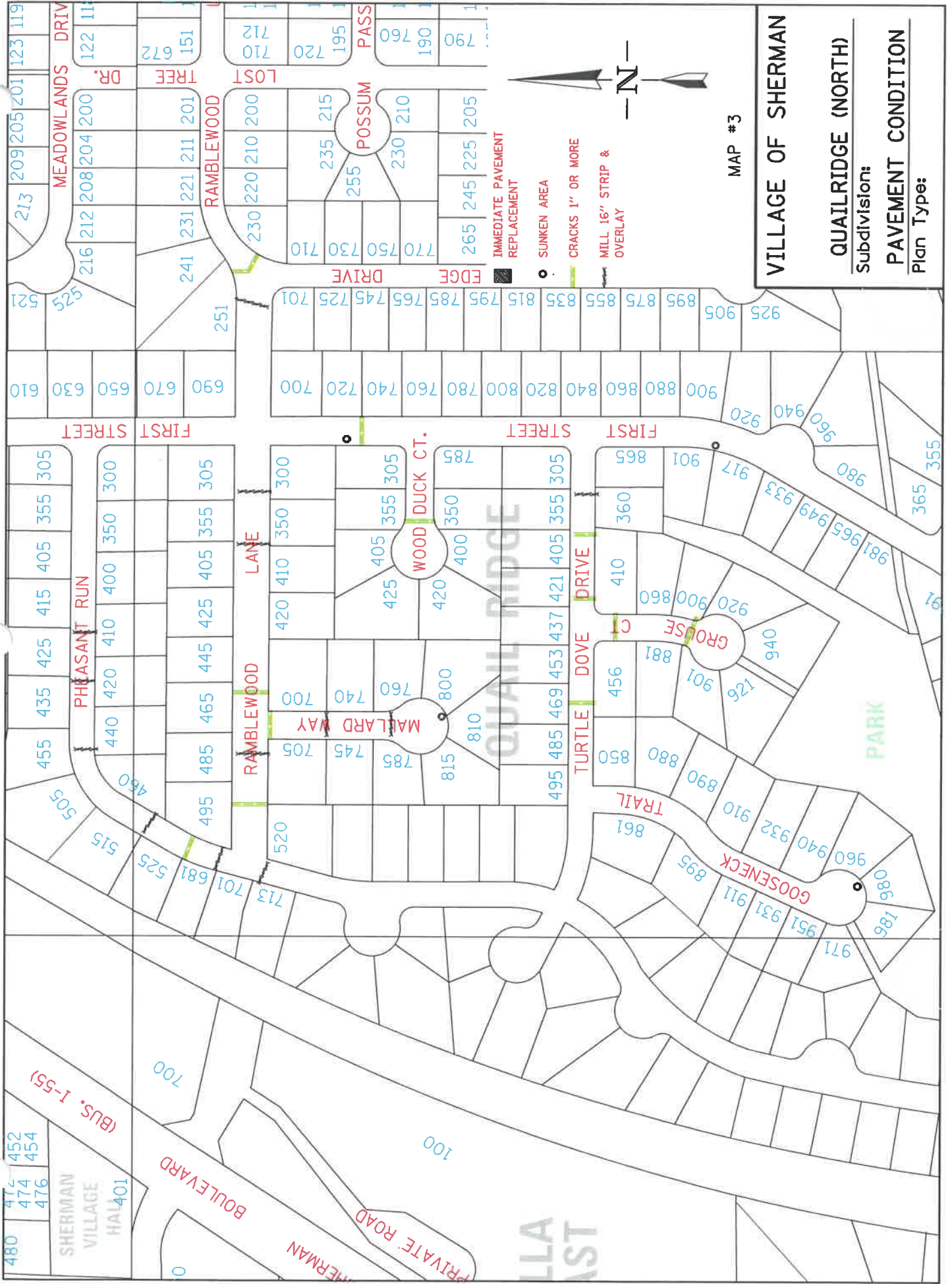
36

- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MILL 16" STRIP & OVERLAY

Map showing lot numbers and street names:

Streets: PARTRIDGE PASS, THRUSH CT., HARROW DR., MEREDITH DRIVE, CHASE, FIRST STREET, GREEN.

Lot numbers (examples): 94, 96, 98, 99, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



VILLAGE OF SHERMAN

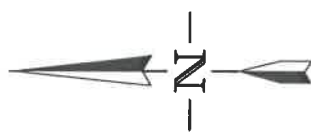
QUAILRIDGE (NORTH)

Subdivision: _____

PAVEMENT CONDITION

Plan Type: _____

MAP #3



- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MILL 16" STRIP & OVERLAY

480 474 452 476 454

SHERMAN VILLAGE HALL 401

PRIVATE ROAD SHERMAN

BOULEVARD

(BUS. I-55)

LLA
AST

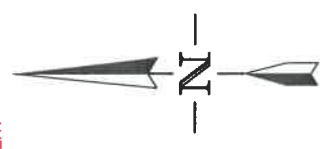
PARK

**VILLAGE OF SHERMAN
THE PRAIRIE AT
BROOKSIDE GLEN**

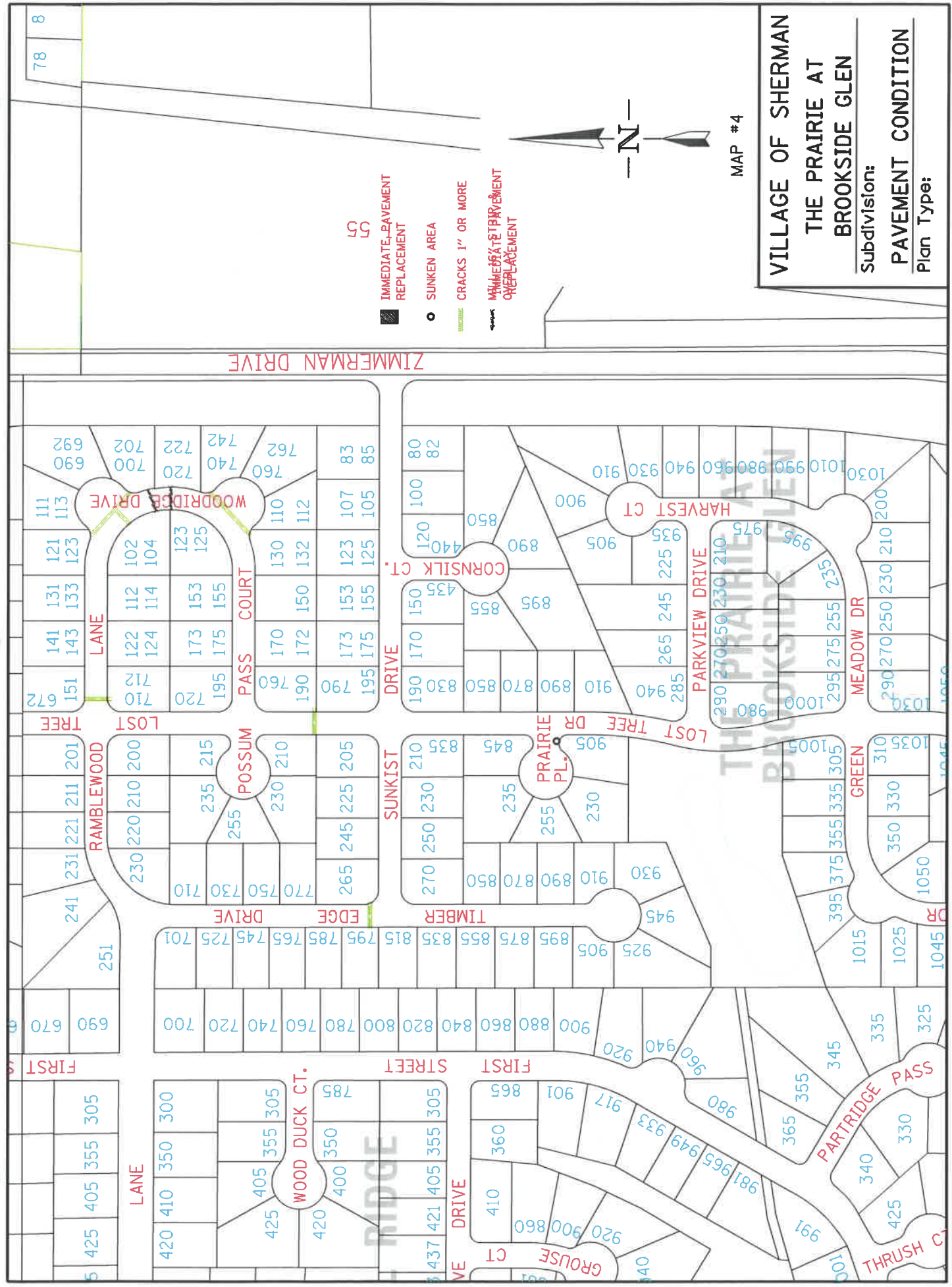
Subdivisions:
PAVEMENT CONDITION

Plan Type:

MAP #4

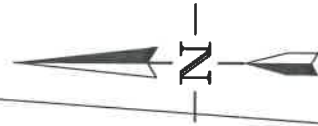


- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MINOR PAVEMENT REPLACEMENT



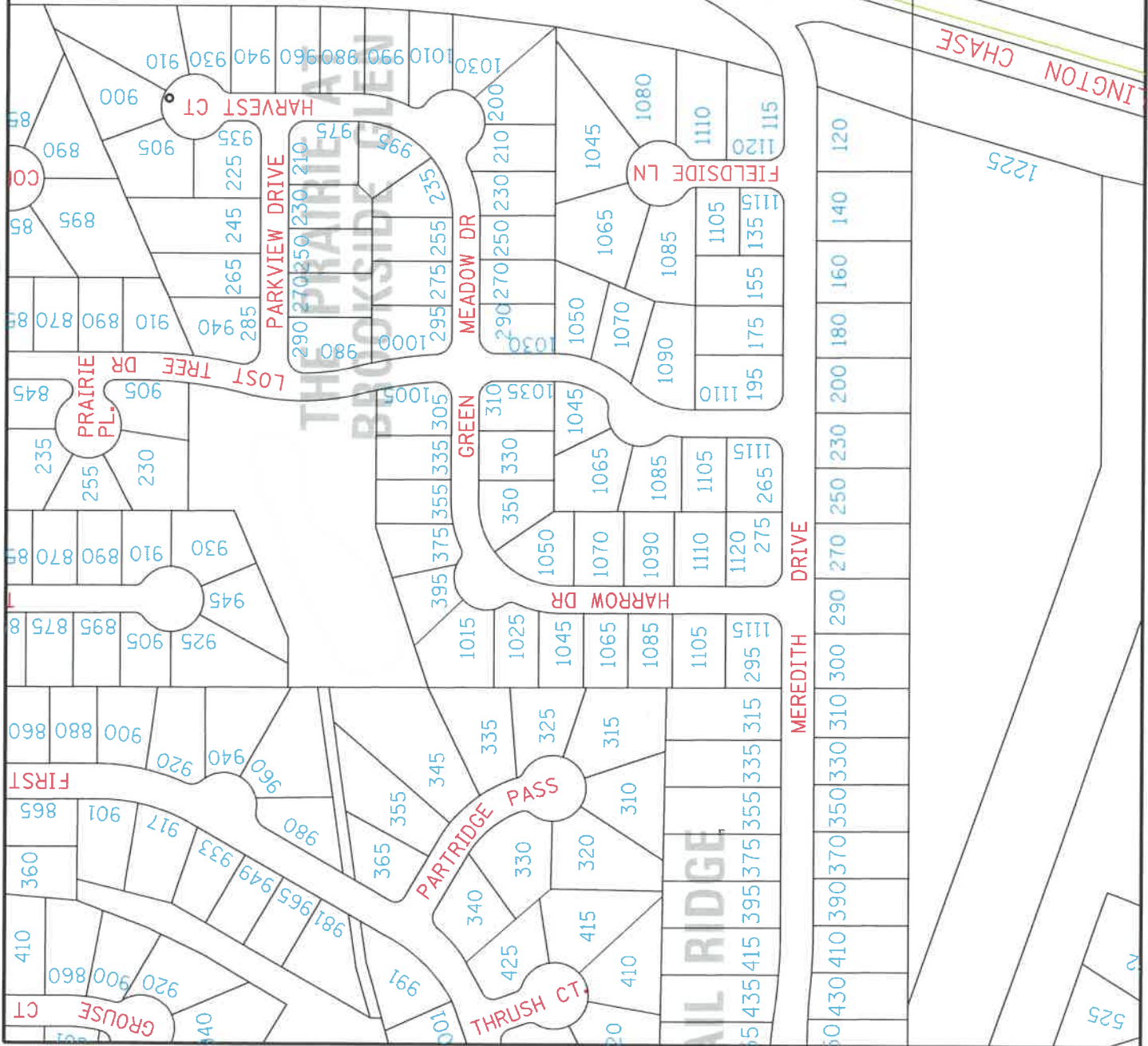
78 8

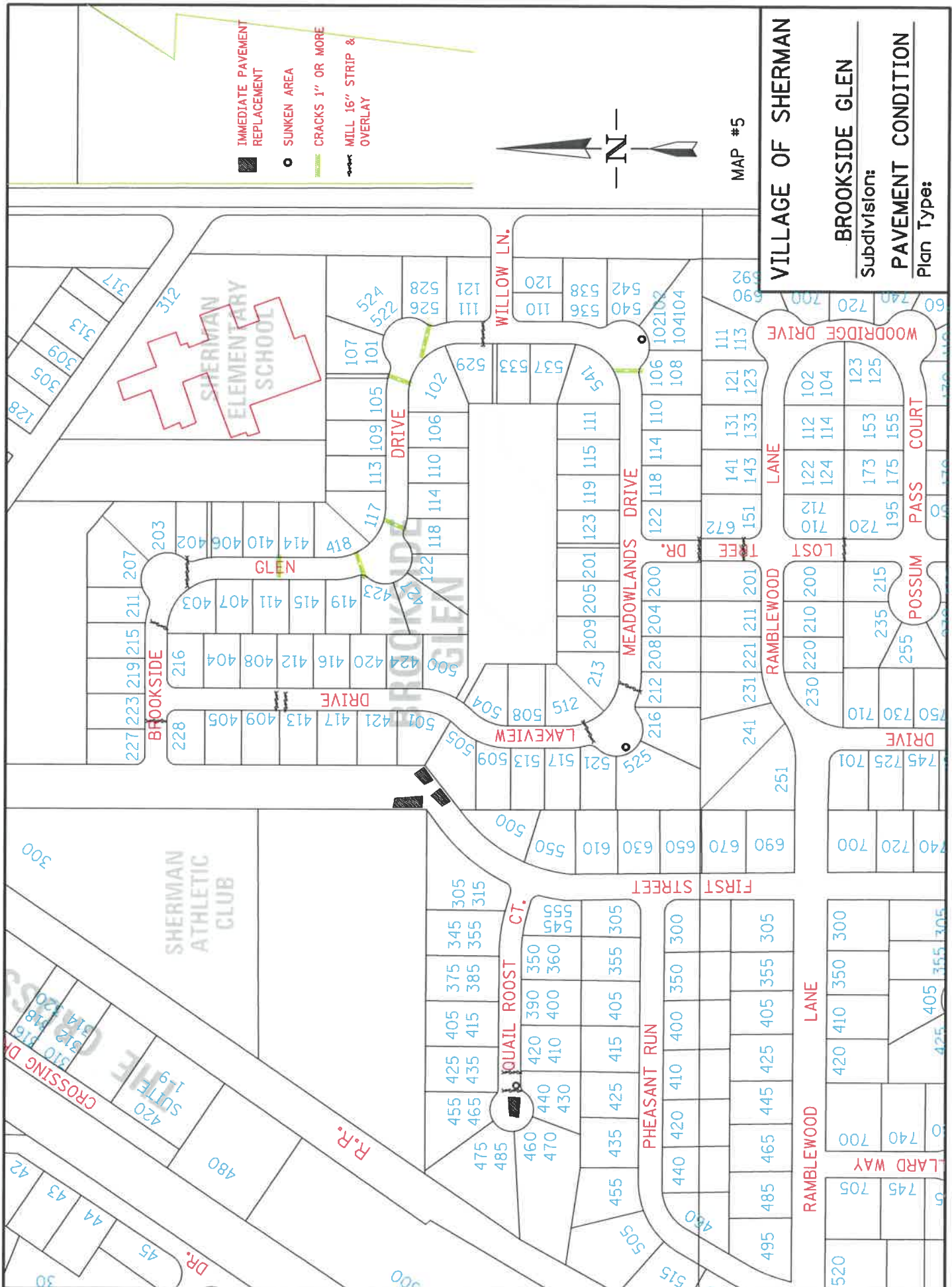
- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MILL 16" STRIP & OVERLAY



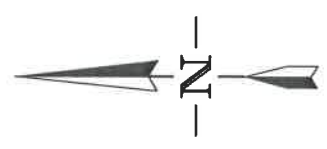
MAP #4-A

VILLAGE OF SHERMAN
 THE PRAIRIE AT
 BROOKSIDE GLEN
 Subdivison:
 PAVEMENT CONDITION
 Plan Type:





- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- ▬ CRACKS 1" OR MORE
- ▬ MILL 16" STRIP & OVERLAY

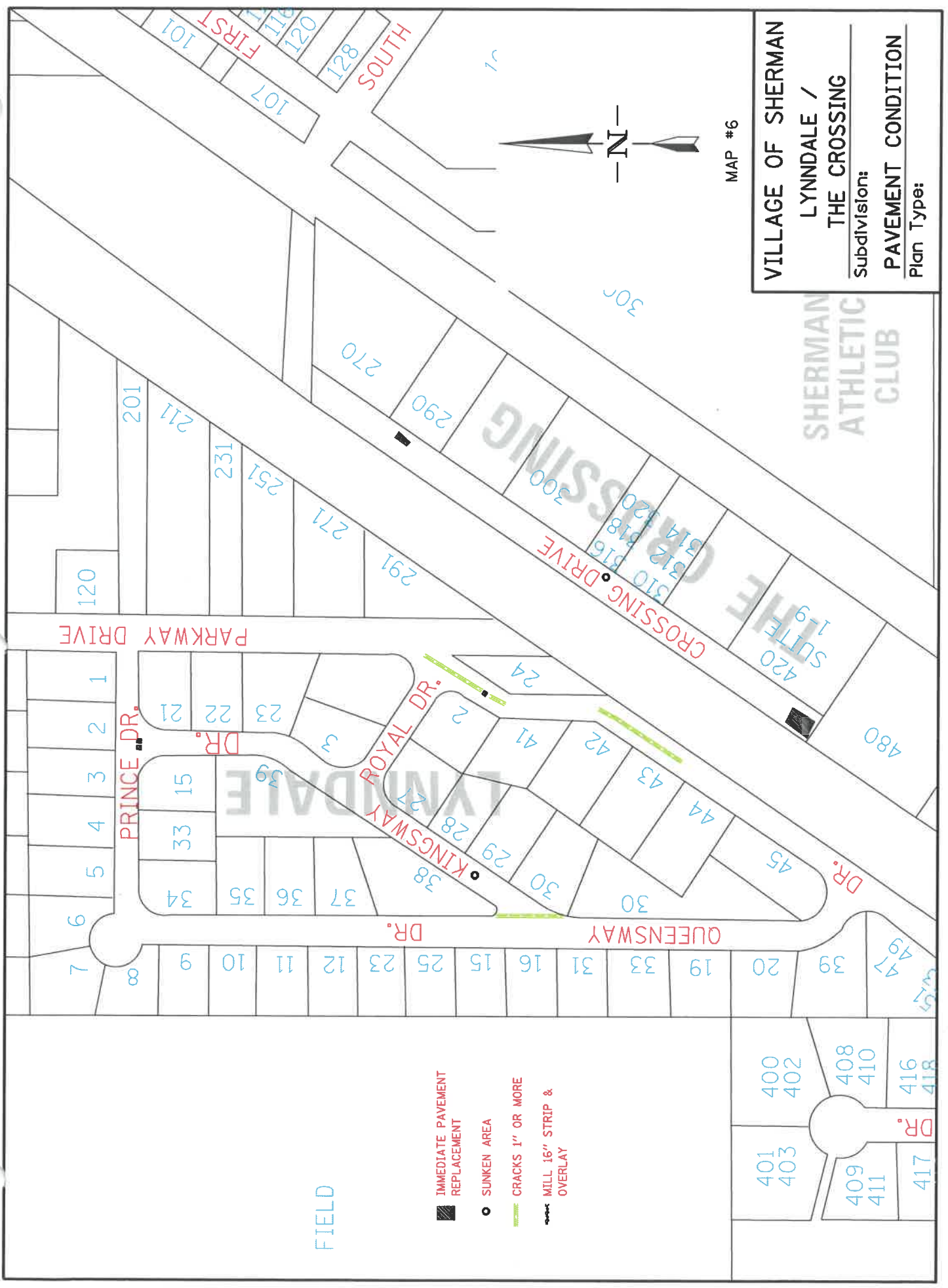
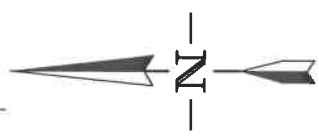


MAP #5

VILLAGE OF SHERMAN
BROOKSIDE GLEN
 Subdivision:
PAVEMENT CONDITION
 Plan Type:

**VILLAGE OF SHERMAN /
LYNDALE /
THE CROSSING**
Subdivisions:
PAVEMENT CONDITION
Plan Type:

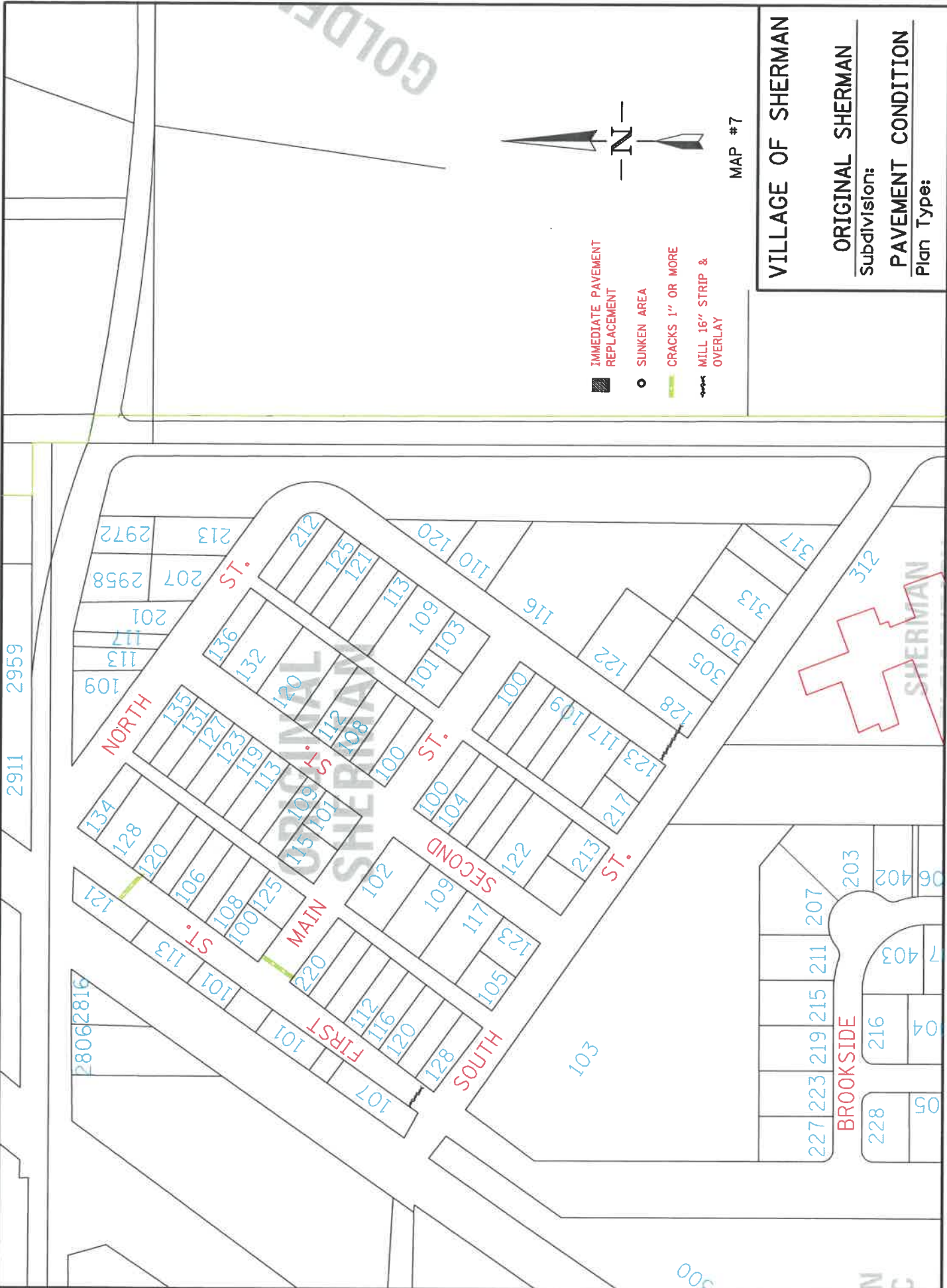
MAP #6



- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- - - MILL 16" STRIP & OVERLAY

FIELD

SHERMAN
ATHLETIC
CLUB

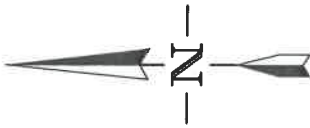


VILLAGE OF SHERMAN

ORIGINAL SHERMAN
 Subdivision:

PAVEMENT CONDITION
 Plan Type:

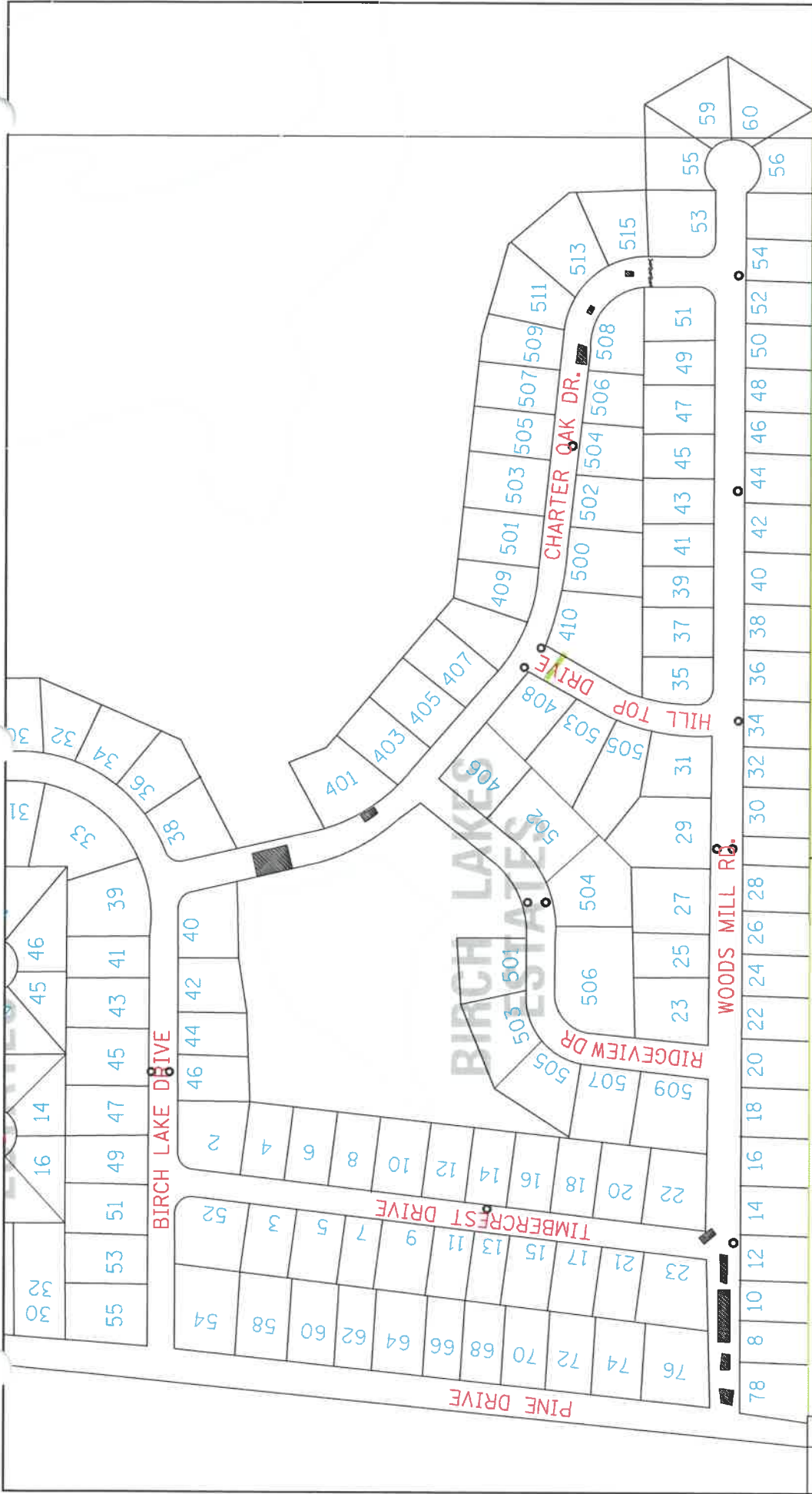
- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- - - MILL 16" STRIP & OVERLAY



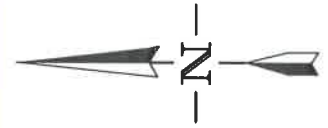
MAP #7


2911 2959

Map labels include street names: NORTH ST, MAIN ST, FIRST ST, SECOND ST, SOUTH ST, and BROOKSIDE. Lot numbers are scattered throughout the grid, such as 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400.



MAP #8



-  IMMEDIATE PAVEMENT REPLACEMENT
-  SUNKEN AREA
-  CRACKS 1" OR MORE
-  MILL 16" STRIP & OVERLAY

VILLAGE OF SHERMAN

BIRCH LAKES ESTATES
Subdivision:

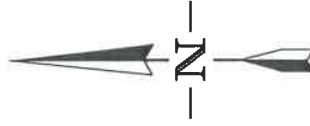
PAVEMENT CONDITION
Plan Type:

ANDREW ROAD

30

3750

WALDROP PARK



MAP #9

VILLAGE OF SHERMAN
SPRING LAKES ESTATES
GOLDEN POND PLACE
BRIERWOOD

Subdivision:

PAVEMENT CONDITION

Plan Type:

IMMEDIATE PAVEMENT
REPLACEMENT

SUNKEN AREA

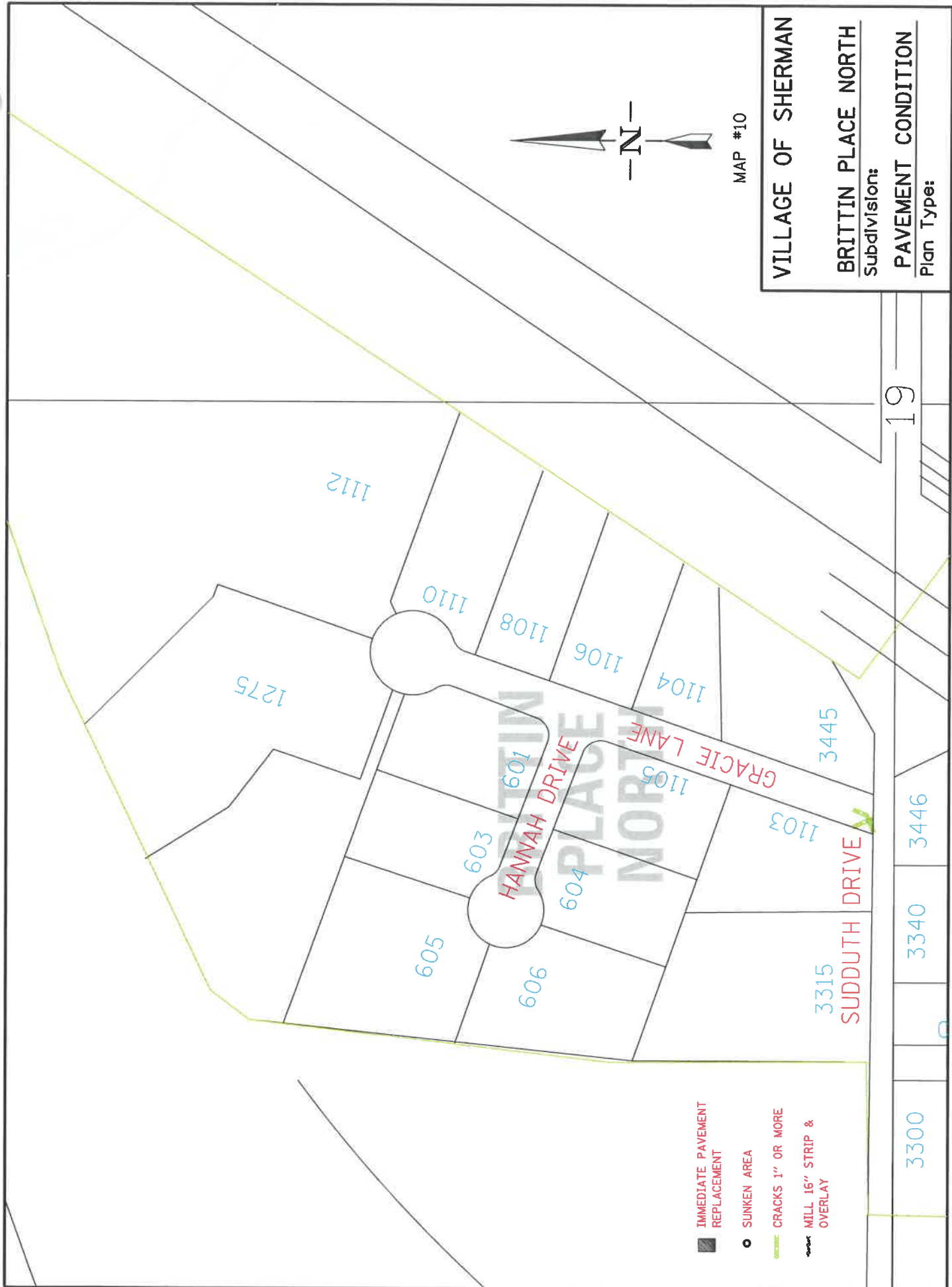
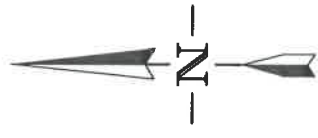
CRACKS 1" OR MORE

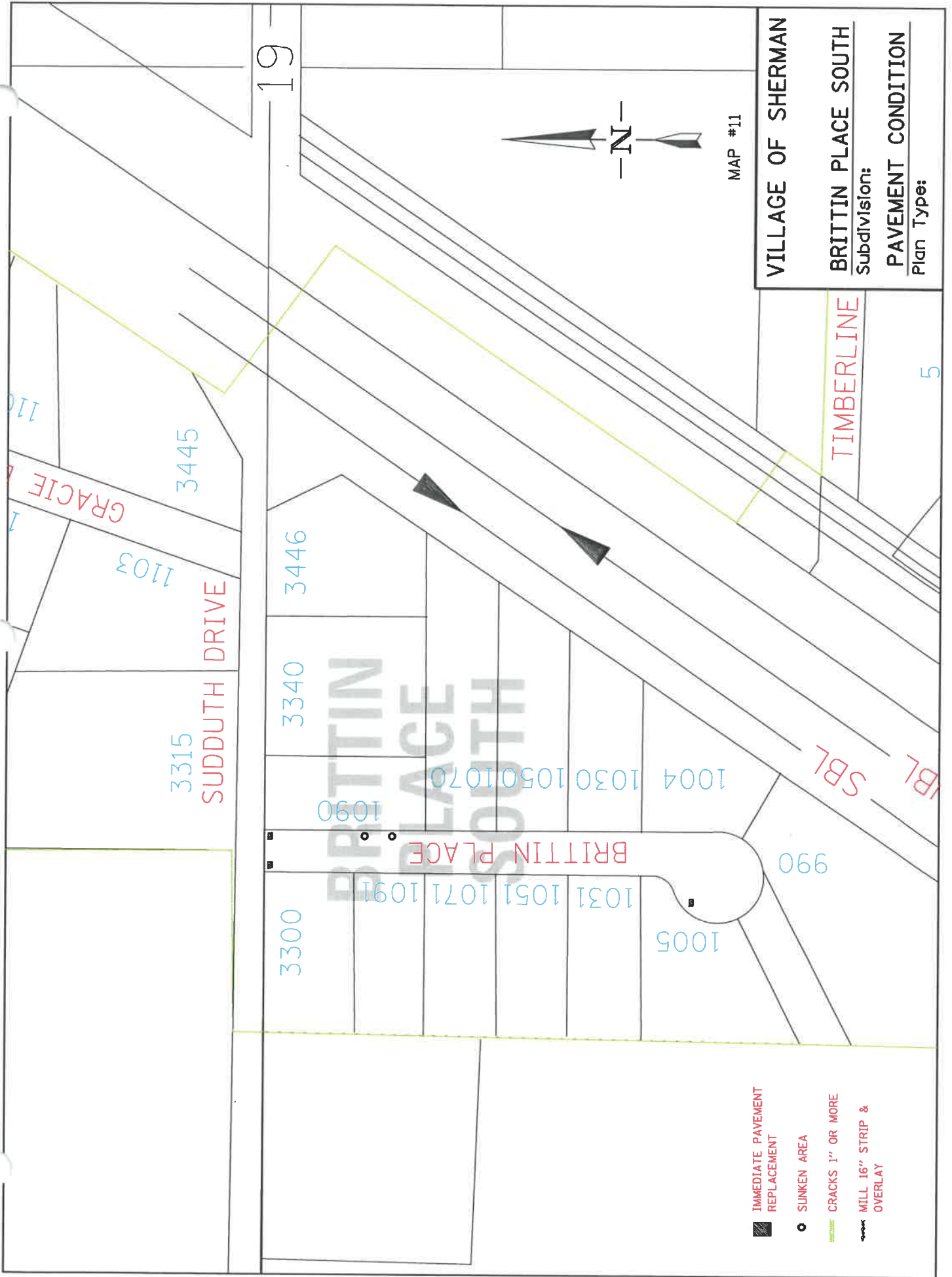
MILL 16" STRIP &
OVERLAY



VILLAGE OF SHERMAN
BRITTIN PLACE NORTH
 Subdivision:
PAVEMENT CONDITION
 Plan Type:

MAP #10

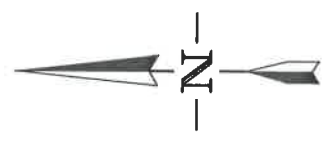




-  IMMEDIATE PAVEMENT REPLACEMENT
-  SUNKEN AREA
-  CRACKS 1" OR MORE
-  MILL 16" STRIP & OVERLAY

VILLAGE OF SHERMAN
BRITTIN PLACE SOUTH
 Subdivision:
PAVEMENT CONDITION
 Plan Type:

MAP #11



3315
 SUDDUTH DRIVE

TIMBERLINE

19

5

3300

3340

3446

3445

1103

GRACIE

BRITTIN PLACE

SBL

990

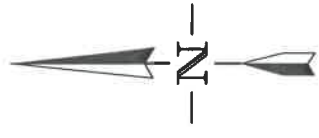
1005

1090

1004 1030 1050 1070

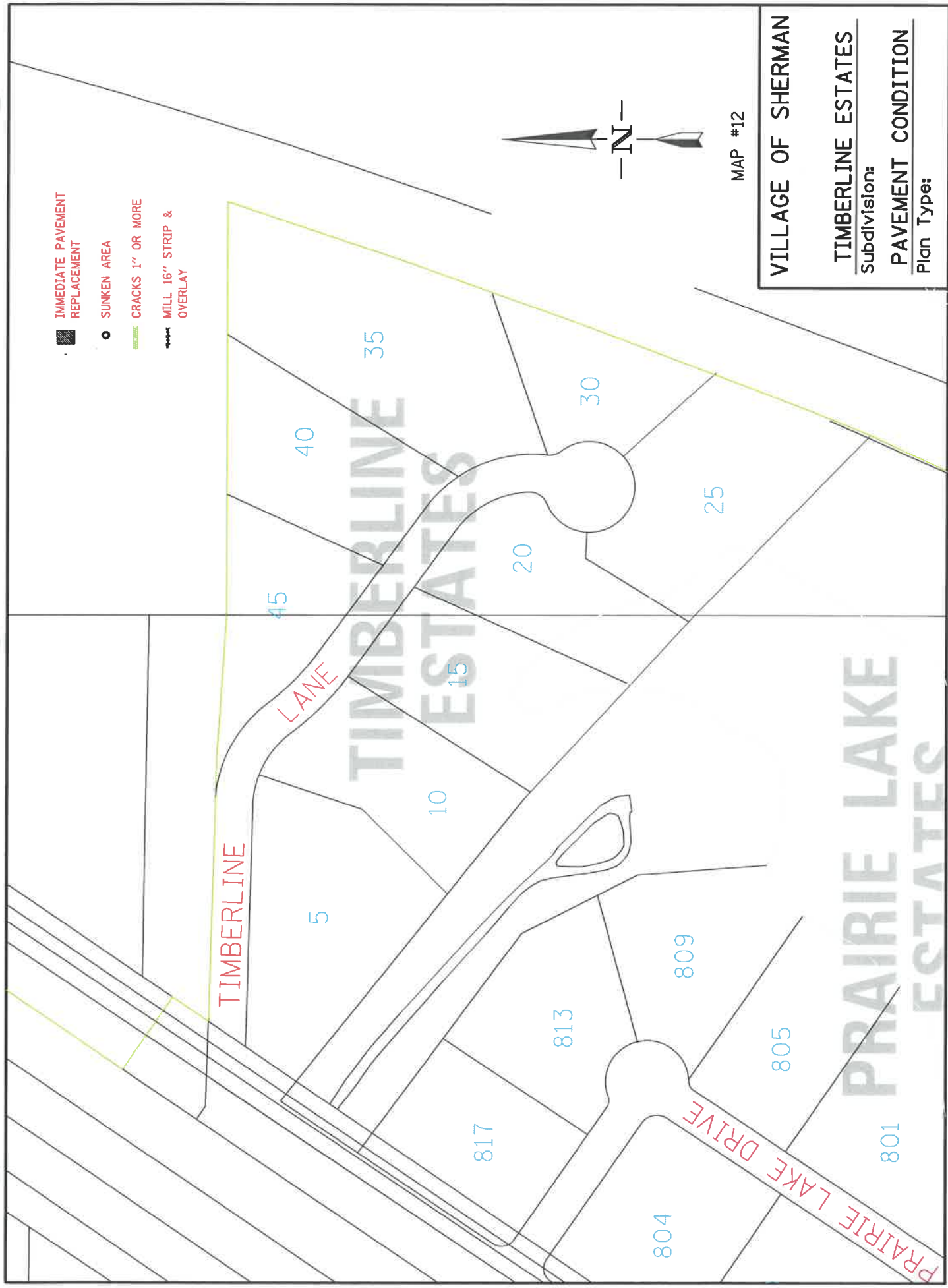
1031 1051 1071 1091

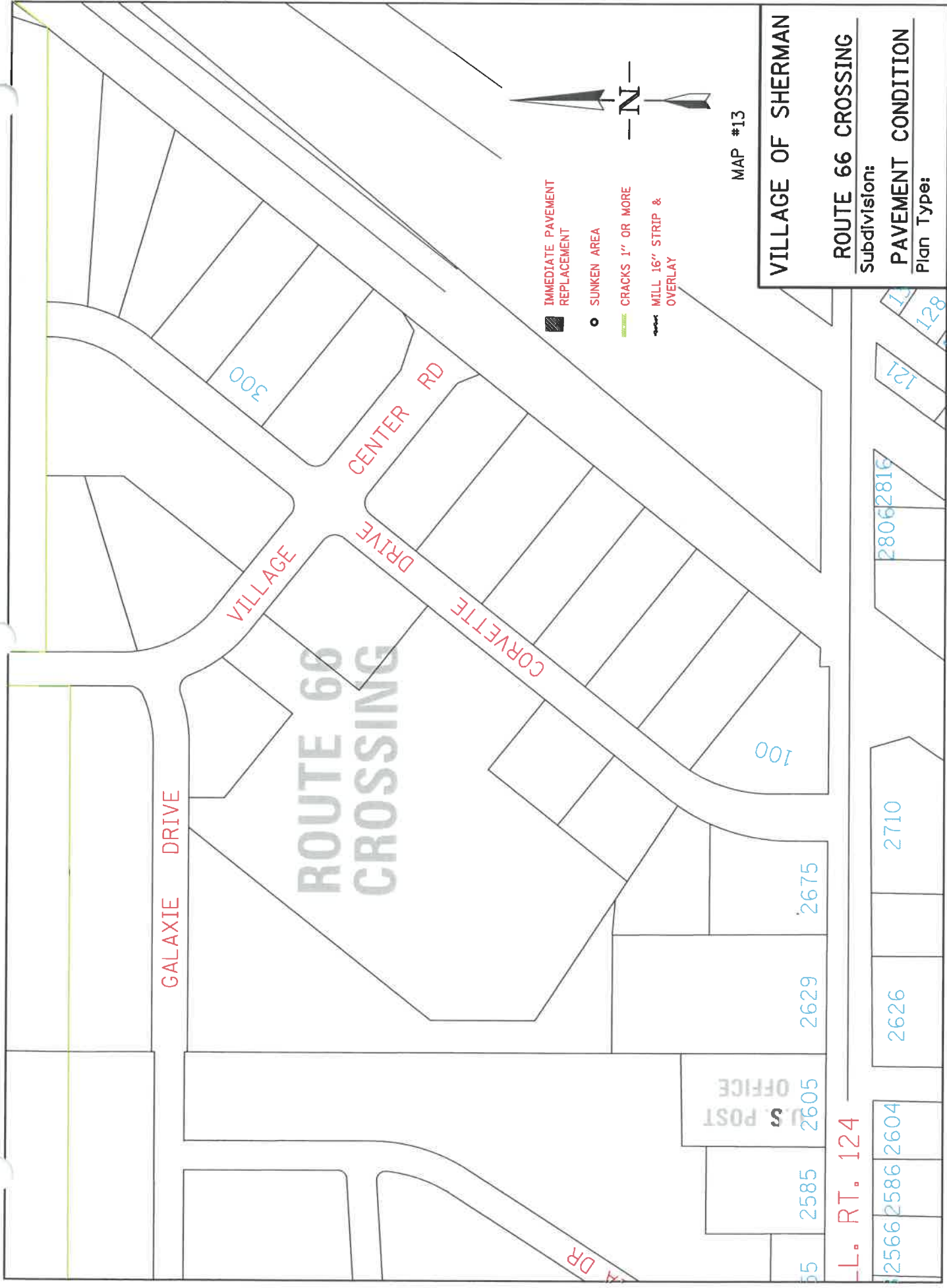
- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- ▬ CRACKS 1" OR MORE
- ▬ MILL 16" STRIP & OVERLAY



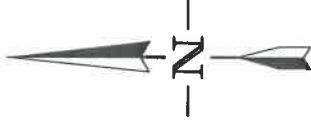
MAP #12

VILLAGE OF SHERMAN
 TIMBERLINE ESTATES
 Subdivision:
 PAVEMENT CONDITION
 Plan Type:





- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MILL 16" STRIP & OVERLAY



MAP #13

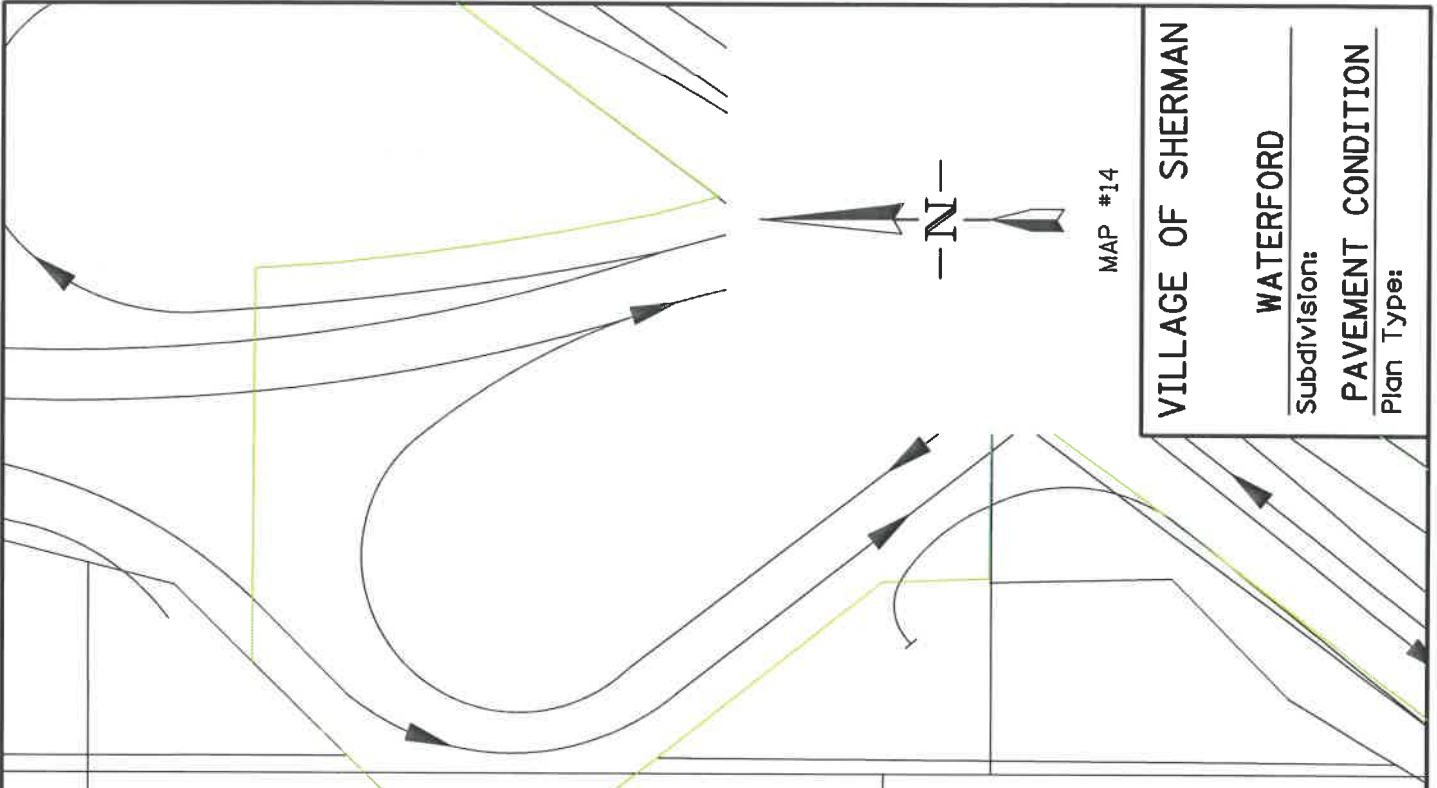
VILLAGE OF SHERMAN

ROUTE 66 CROSSING

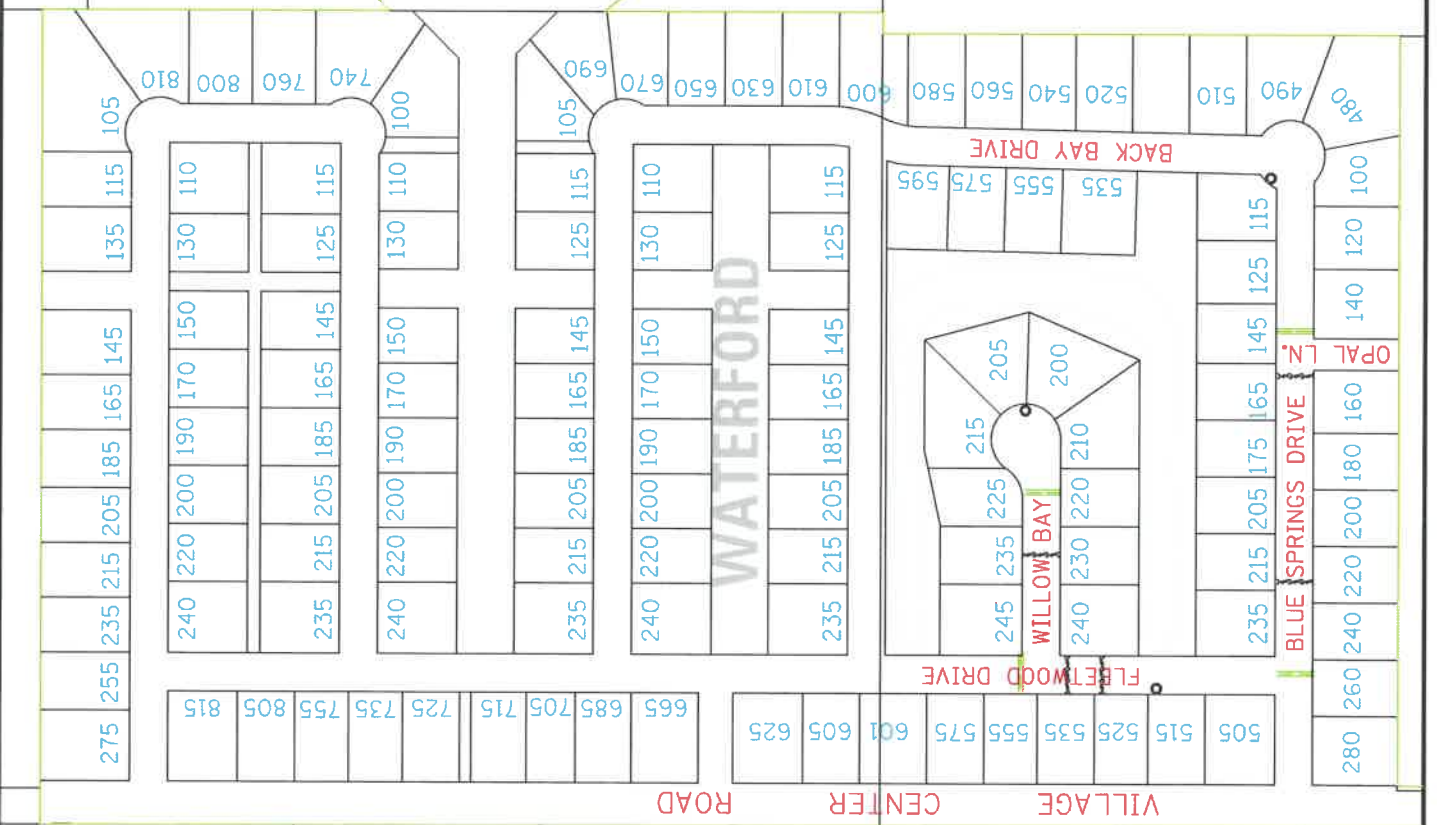
Subdivisions: _____

PAVEMENT CONDITION _____

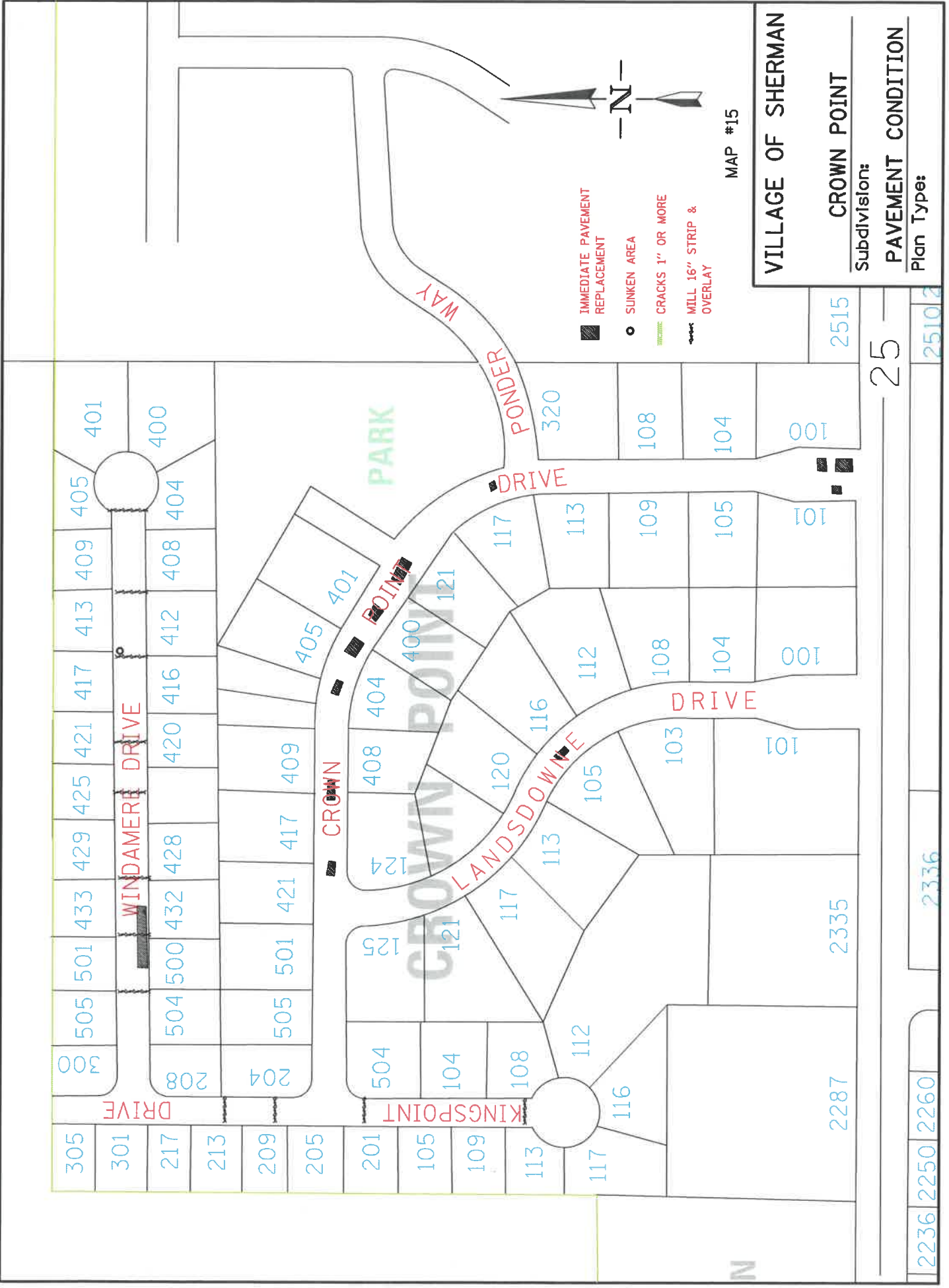
Plan Type: _____



VILLAGE OF SHERMAN
 Subdivision:
WATERFORD
 Pavement Condition
 Plan Type:



- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MILL, 16" STRIP & OVERLAY



MAP #15

VILLAGE OF SHERMAN

Subdivision: **CROWN POINT**

Pavement Condition: **PAVEMENT CONDITION**

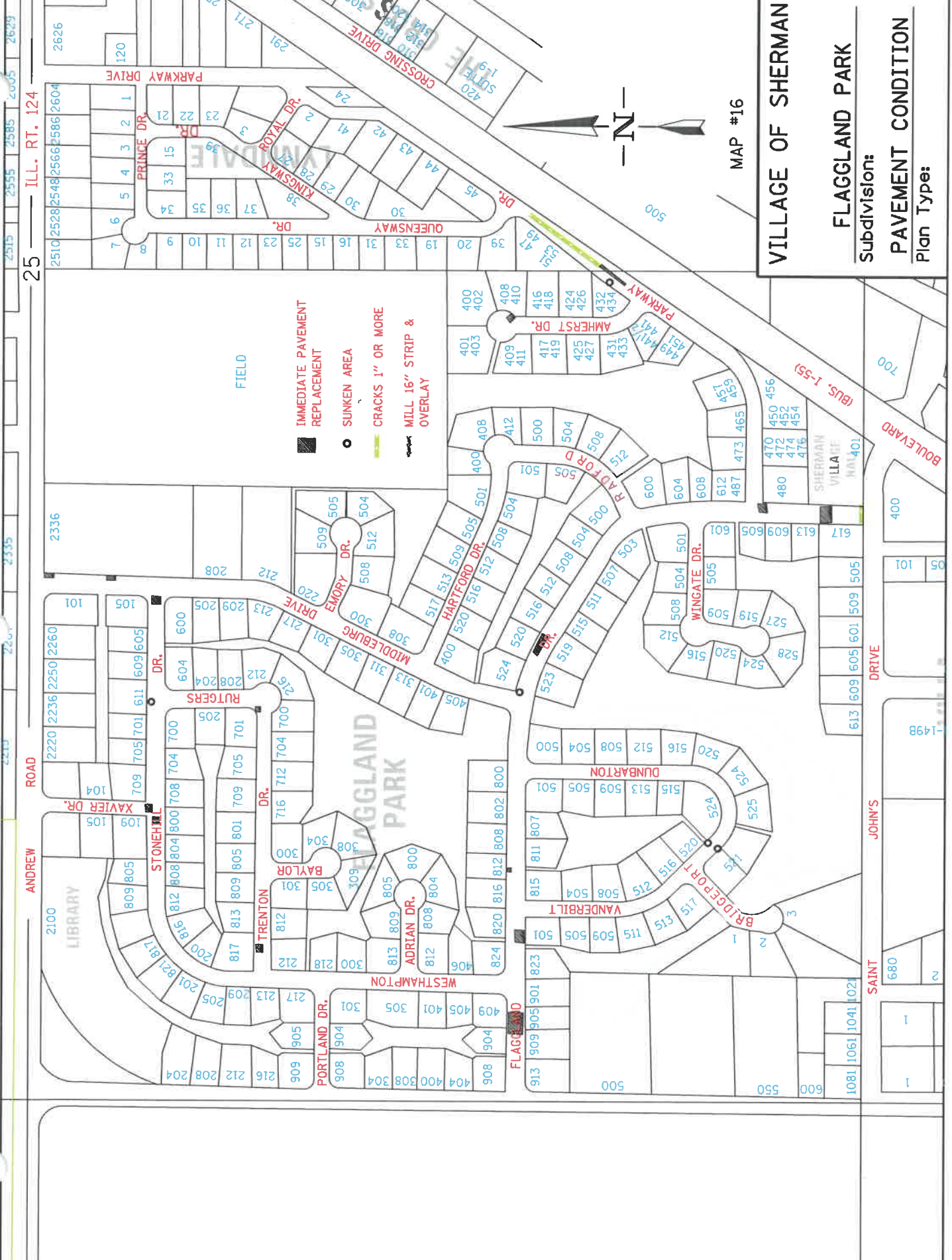
Plan Type: **PAVEMENT CONDITION**

305	301	217	213	209	205	201	105	109	113	117	116	2287	2335	101	104	108	112	116	120	113	105	103	101	100	105	109	113	117	320	108	104	100	2515		
505	501	504	505	505	505	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504	504
433	429	425	421	417	413	409	405	401	400	408	404	400	400	408	404	400	400	408	404	400	400	408	404	400	400	408	404	400	400	408	404	400	400	408	404
429	425	421	417	413	409	405	401	400	408	404	400	400	408	404	400	400	408	404	400	400	408	404	400	400	408	404	400	400	408	404	400	400	408	404	

25

2236	2250	2260	2336	25102
------	------	------	------	-------

25 ILL. RT. 124



- FIELD
- IMMEDIATE PAVEMENT REPLACEMENT
 - SUNKEN AREA
 - CRACKS 1" OR MORE
 - MILL 16" STRIP & OVERLAY



MAP #16

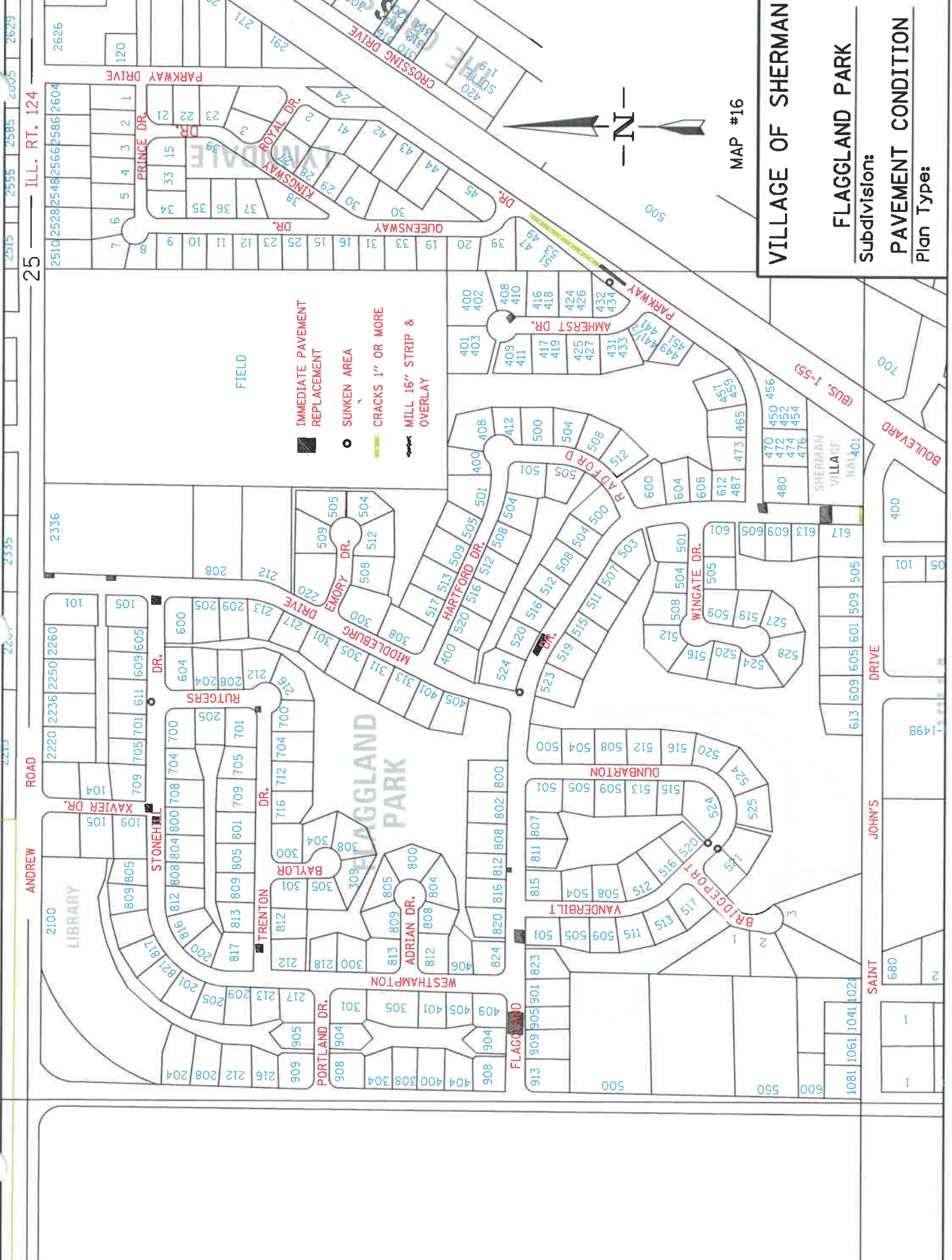
VILLAGE OF SHERMAN

FLAGGLAN PARK

Subdivision:

PAVEMENT CONDITION

Plan Type:



- FIELD
- IMMEDIATE PAVEMENT REPLACEMENT
 - SUNKEN AREA
 - CRACKS 1" OR MORE
 - MILL 16" STRIP & OVERLAY



MAP #16

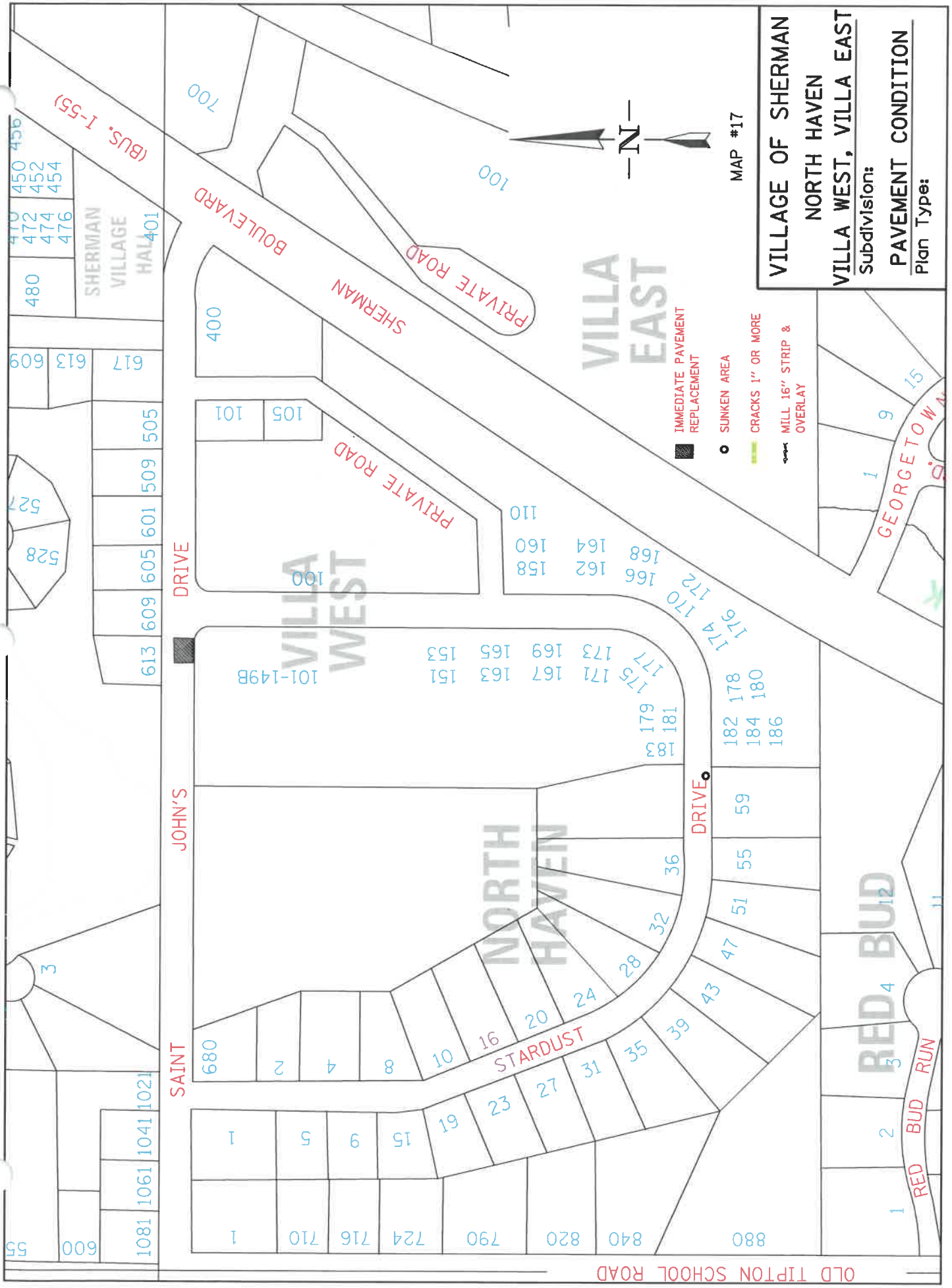
VILLAGE OF SHERMAN

FLAGGLAN PARK

Subdivision:

PAVEMENT CONDITION

Plan Type:



MAP #17

VILLAGE OF SHERMAN
NORTH HAVEN
VILLA WEST, VILLA EAST
 Subdivision:
PAVEMENT CONDITION
 Plan Type:

- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MILL 16" STRIP & OVERLAY

VILLA EAST

VILLA WEST

NORTH HAVEN

RED BUD

SHERMAN VILLAGE HAL 401

(BUS. I-55)

SAINT JOHN'S DRIVE

PRIVATE ROAD

PRIVATE ROAD

BOULEVARD

GEORGETOWN WAY

RED BUD RUN

479 450 456
472 452
474 454
476

480
613 609

527
528

613 609 605 601 509 505

101
105

110
158 160
164 162
168 166

174 170 176 172
175 171 177 173
179 181

182 178
184 180
186

59

55

51

47

43

39

35

31

27

23

19

15

11

7

3

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

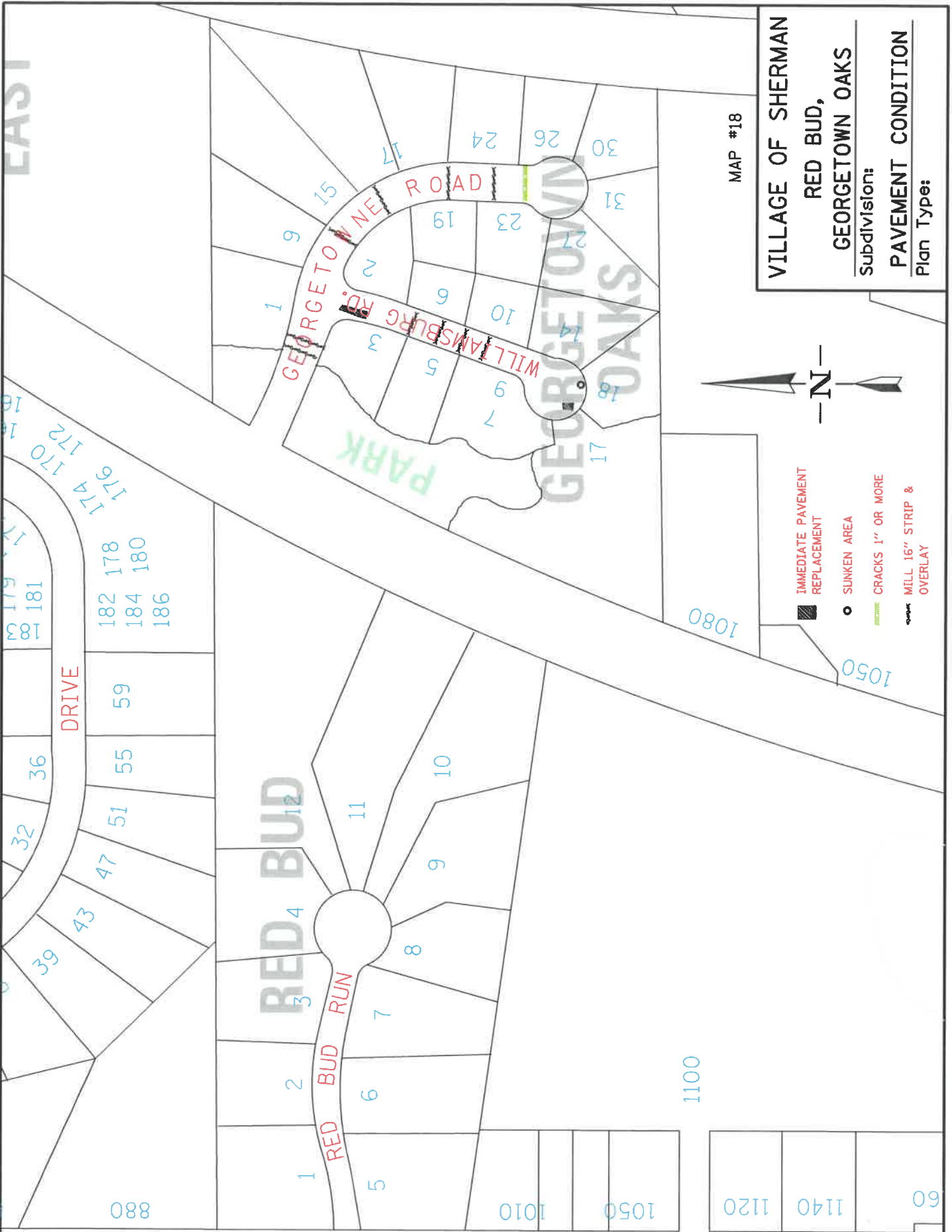
1

1

1

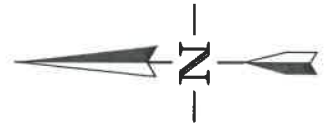
</





OLD TIPTON SCHOOL



VILLAGE OF SHERMAN
RED BUD,
GEORGETOWN OAKS
 Subdivision:
PAVEMENT CONDITION
 Plan Type:

MAP #18



-  IMMEDIATE PAVEMENT REPLACEMENT
-  SUNKEN AREA
-  CRACKS 1" OR MORE
-  MILL 16" STRIP & OVERLAY

EAST

183 181
 179 177
 174 170 168
 176 172 168
 182 178
 184 180
 186

DRIVE

32 36
 39 43
 47 51 55 59

RED BUD

RED BUD RUN

1 2 3 4 5 6 7 8 9 10 11 12

1 9 15
 GEORGETOWN NE ROAD
 2 3 6 10 14 18
 WILLIAMSBURG RD.
 5 7 9 13 17 21 23 27 31 30 26 24

PARK

GEORGETOWN OAKS

1100

1080

1050

880

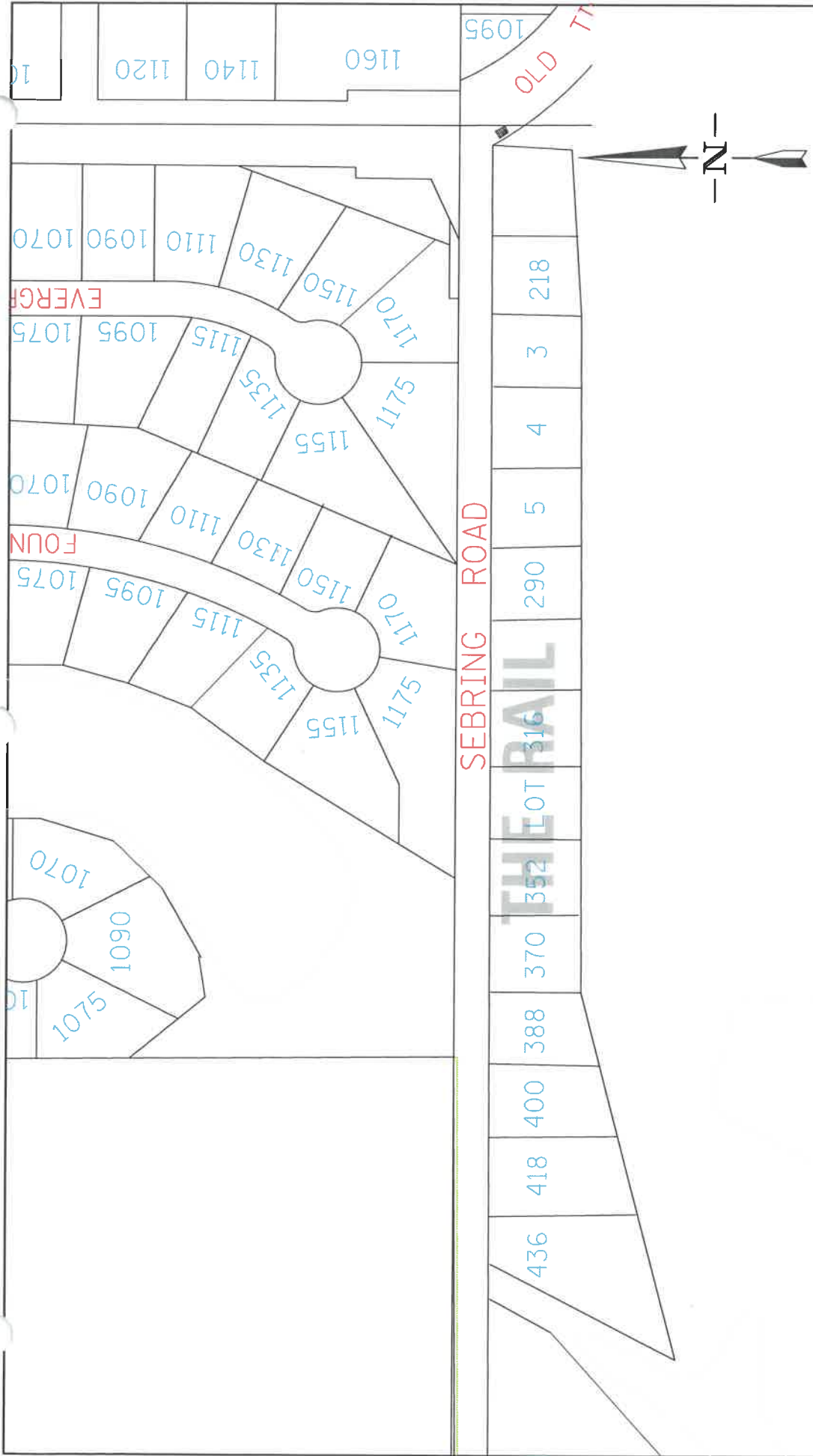
1010

1050

1120

1140

60




VILLAGE OF SHERMAN

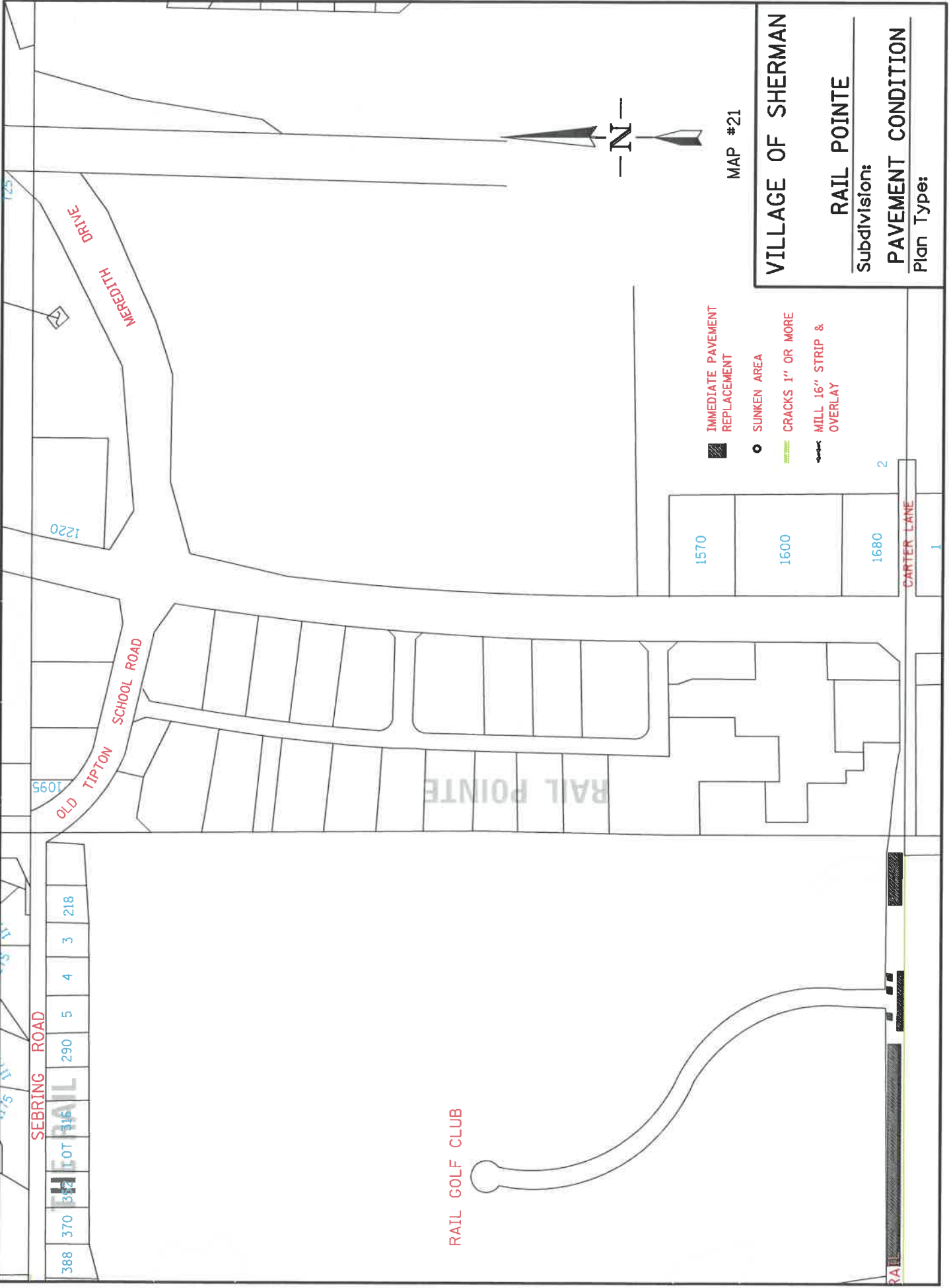
THE RAIL

Subdivisions:

PAVEMENT CONDITION

Plan Type:

-  IMMEDIATE PAVEMENT REPLACEMENT
-  SUNKEN AREA
-  CRACKS 1" OR MORE
-  MILL 16" STRIP & OVERLAY



MAP #21



VILLAGE OF SHERMAN
 Subdivision:
RAIL POINTE
 Pavement Condition
 Plan Type:

- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- ▬ CRACKS 1" OR MORE
- ▬ MILL, 16" STRIP & OVERLAY

1570

1600

1680

CARTER LANE

1

2

SEBRING ROAD
 388 370 352 316 290 5 4 3 218

MERCETH DRIVE

1220

1095

OLD TIPTON SCHOOL ROAD

RAIL GOLF CLUB

RAIL POINTE

RAIL

VILLAGE OF SHERMAN

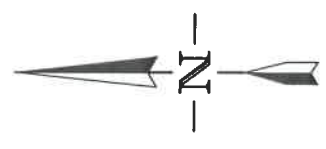
RAIL MEADOWS

Subdivisions:

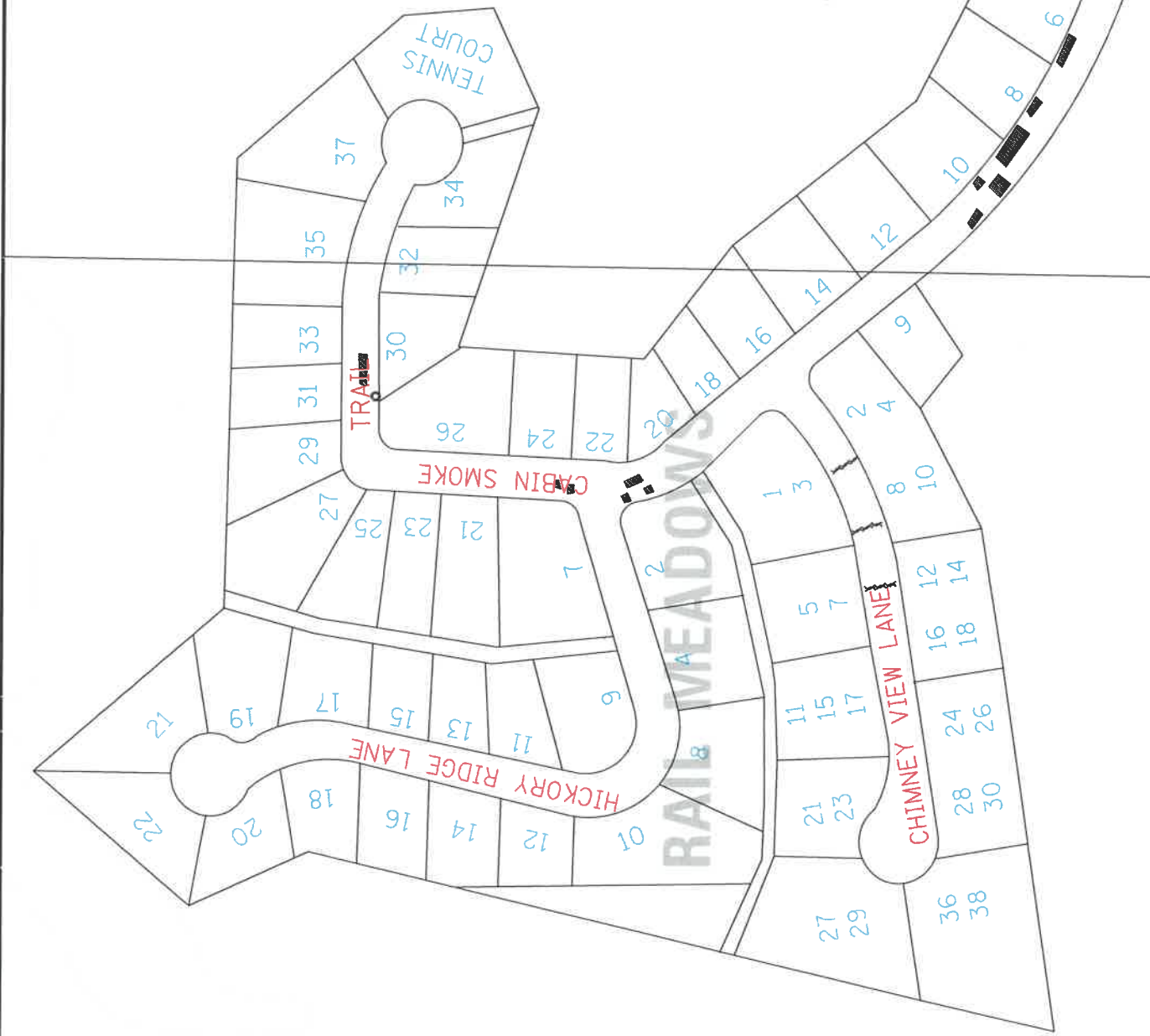
PAVEMENT CONDITION

Plan Type:

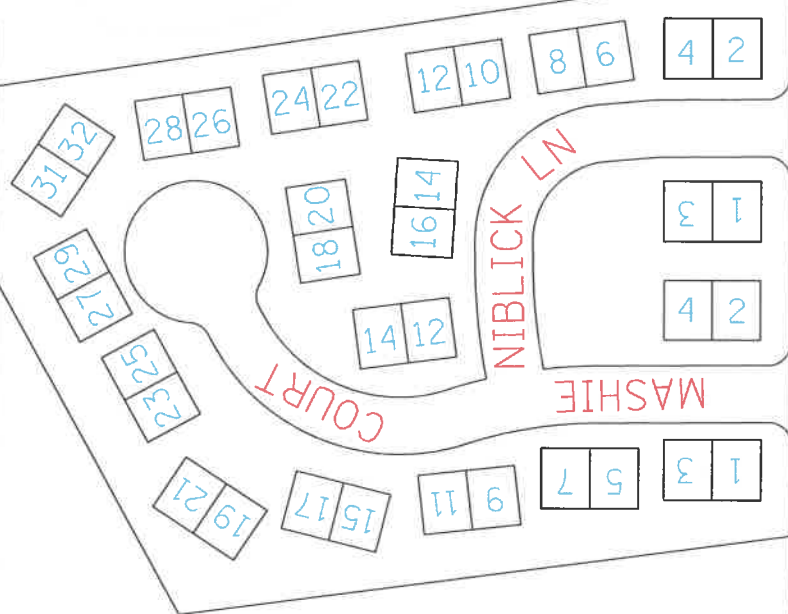
MAP #23



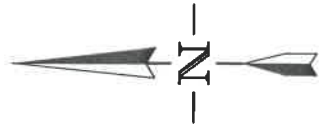
- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- CRACKS 1" OR MORE
- MILL 16" STRIP & OVERLAY



OLD HICKORY AT THE RAIL



- IMMEDIATE PAVEMENT REPLACEMENT
- SUNKEN AREA
- ▬ CRACKS 1" OR MORE
- ▬ MILL 16" STRIP & OVERLAY



MAP #24

VILLAGE OF SHERMAN
 OLD HICKORY
 AT THE RAIL
 Subdivision:
 PAVEMENT CONDITION
 Plan Type:

CO