1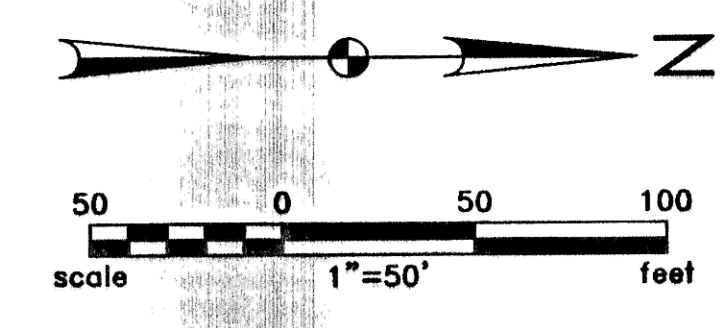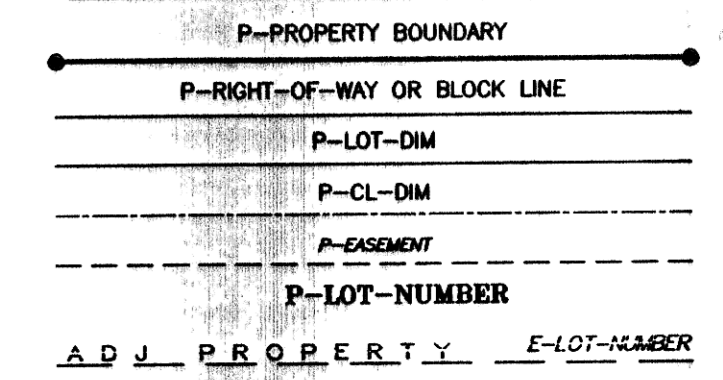. UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITY. THE NORTH DAKOTA "ONE-CALL" NUMBER IS 1-800-795-0555.

2. APPROXIMATE TOP OF ROAD SUBGRADE SHALL BE BY OTHERS, PRIOR TO CONSTRUCTION. CONTRACTOR WILL HAVE TO SHAPE SUBGRADE AS REQUIRED TO CONSTRUCT ROADWAYS.

3. CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS. MONUMENTS SHALL BE LOCATED AND MARKED BY THE OWNER'S REPRESENTATIVE. MONUMENTS DISTURBED OR DESTROYED SHALL BE REPLACED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.

4. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASPHALT PAVEMENT AND CURB & GUTTER TO A LEGAL OFF SITE LOCATION AS REQUIRED TO MAKE TIE-INS TO THE EXISTING STREETS.

5. THE CITY OF MANDAN WILL HIRE AN INDEPENDENT TESTING LABORATORY TO COMPLETE ALL REQUIRED TESTING. SCHEDULING AND COORDINATION OF ALL TESTING WILL BE THE CONTRACTOR'S RESPONSIBILITY.

6. WATER AND SEWER ON 34TH AVENUE AND 45TH STREET SHALL BE COMPLETED BY OTHERS PRIOR TO PAVING.

BASIS OF ESTIMATE:
SUBGRADE PREPARATION - AREA BETWEEN 1' BEHIND BACK OF CURB TO 1' BEHIND CURB
WATERING - 25 GAL. PER CUBIC YARD - 1 "M" GAL. PER 1000 GAL.
ASPHALT PAVEMENT - 2 TONS PER CUBIC YARD
ASPHALT CEMENT - 6.2% OF ASPHALT TONNAGE
BITUMINOUS TACK COAT - 0.05 GAL. PER SQUARE YARD
BITUMINOUS SEAL COAT - 0.34 GAL. PER SQUARE YARD
CLASS 43 CHIPS - 28 LBS. PER SQUARE YARD
CLASS 45 BLOTTER SAND - 1 LBS. PER SQUARE YARD

SAW-CUT EXISTING ASPHALT AND CURB & GUTTER TO A STRAIGHT VERTICAL FACE

SAW-CUT EXISTING ASPHALT TO A STRAIGHT VERTICAL FACE

MANDAN PUBLIC SCHOOL
AUD LOT S-1
ZONED R7

MANDAN PUBLIC SCHOOL
AUD LOT S-1
ZONED R7

37TH AVENUE NW

34TH AVENUE NW

45TH STREET

LEWIS ROAD

34TH AVE NW

MITZEL BUILDERS, INC
ZONED RMH

MITZEL BUILDERS, INC
ZONED RMH

MITZEL BUILDERS, INC
ZONED RMH

MITZEL BUILDERS, INC
UNPLATTED
ZONED CB

MITZEL BUILDERS, INC
UNPLATTED
ZONED CB

20' SANITARY SEWER & DRAINAGE EASEMENT
35' DRAINAGE EASEMENT
7' UTILITY EASEMENT
20' DRAINAGE EASEMENT

LEGEND

EXISTING	ITEM	PROPOSED
	WATER MAIN	
	FIRE HYDRANT	
	GATE VALVE	
	CURB STOP	
	BEND	
	TEE	
	CROSS	
	REDUCER	
	WATER MANHOLE	
	SANITARY SEWER MAIN	
	SANITARY MANHOLE	
	CLEANOUT	
	STORM SEWER MAIN	
	STORM SEWER MANHOLE	
	CURB INLET	
	CATCH BASIN	
	UNDER GROUND ELECTRIC	
	OVERHEAD ELECTRIC	
	POWER POLE	
	GUY WIRE	
	LIGHT POLE	
	ELECTRICAL JUNCTION BOX	
	ELECTRICAL METER	
	ELECTRICAL OUTLET/PLUG-IN	
	UNDERGROUND TELEPHONE	
	TELEPHONE MANHOLE	
	TELEPHONE PEDESTAL	
	UNDERGROUND CABLE TV	
	CABLE TV PEDESTAL	
	GAS LINE	
	NATURAL GAS LINE	
	FUEL LINE	
	GAS METER	
	CONCRETE CURB & GUTTER	
	EDGE OF ASPHALT SURFACE	
	EDGE OF GRAVEL SURFACE	
	BITUMINOUS/CONCRETE SURFACE	
	BUILDING	
	CHAIN LINK FENCE	
	WOOD FENCE	
	BARB WIRE FENCE	
	TREES CONIFEROUS/DECIDUOUS	
	BUSH	
	CULVERT	
	DRAINAGE DIRECTION	
	SIGN	
	MAIL BOX	
	PROPERTY PIN	
	CONTROL POINT	

P-PROPERTY BOUNDARY
P-RIGHT-OF-WAY OR BLOCK LINE
P-LOT-DIM
P-CL-DIM
P-EASEMENT
P-LOT-NUMBER
ADJ PROPERTY E-LOT-NUMBER

50 0 50 100
scale   1"=50'   feet

Rev'd.

MEADOWS 2ND ADDITION
STREET IMPROVEMENT DISTRICT NO. 2005-28
MANDAN, NORTH DAKOTA

SHEET NO. 4

Kadrmas Lee & Jackson
Engineers Surveyors Planners

GENERAL AREA LAYOUT

DRWN. BY	CHK'D BY	CMPR. NO.	DATE
ADA	BE	1406103	05/10/06

J:\municipa\1406103 - Meadows Streets\CADD\EP\1406103base.dwg
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