

CONSTRUCTION NOTES

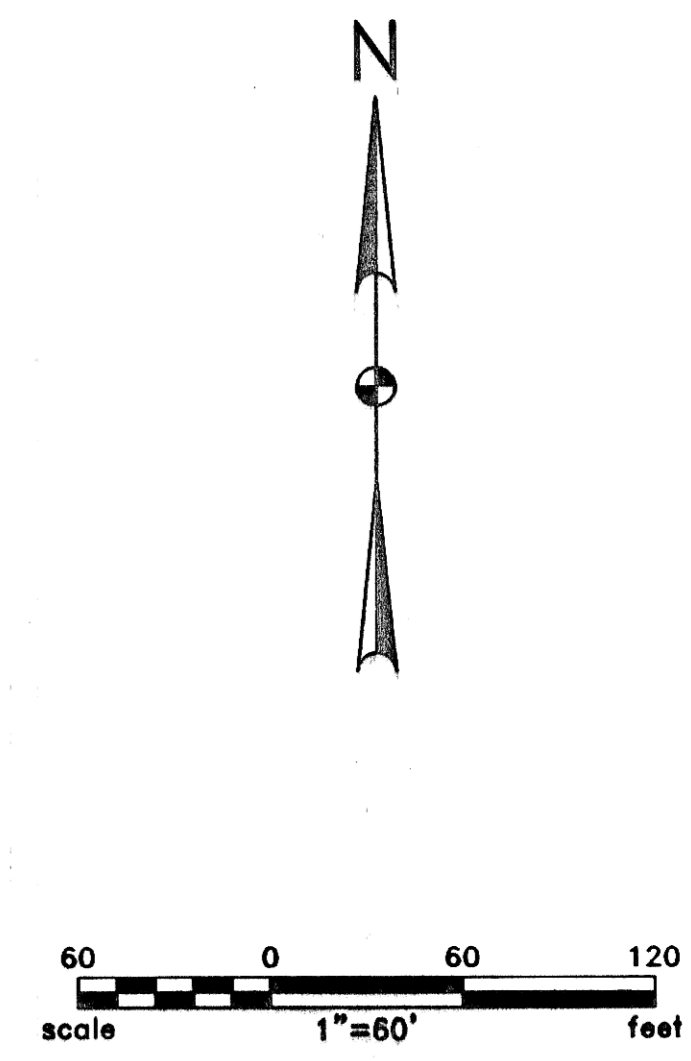
- UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITY. THE NORTH DAKOTA "ONE-CALL" NUMBER IS 1-800-795-0555.
- APPROXIMATE TOP OF ROAD SUBGRADE SHALL BE BY OTHERS. PRIOR TO CONSTRUCTION. CONTRACTOR WILL HAVE TO SHAPE SUBGRADE AS REQUIRED TO CONSTRUCT ROADWAYS.
- 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.
- 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.
- 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.

BASIS OF ESTIMATE:

- SUBGRADE PREPARATION - AREA BETWEEN 1' BEHIND BACK OF CURB TO 1' BEHIND BACK OF CURB
- WATERING - 25 GAL. PER CUBIC YARD - 1 "M" GAL. PER 1000 GAL.
- STABILIZED GRAVEL BASE - 1.875 TONS PER CUBIC YARD
- 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 LB PER SQUARE YARD
- BEDDING MATERIAL - 0.236 TON PER FOOT OF 18" RCP STORM SEWER
- BEDDING MATERIAL - 5 TON PER MANHOLE, 2.5 TON PER INLET
- SUBCUT GRAVEL - 1 TON PER 50 FOOT OF PIPE

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

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



Rev'd.	PLAINVIEW HEIGHTS TENTH ADDITION STREET IMPROVEMENT DISTRICT NO. 2006-01 MANDAN, NORTH DAKOTA	SHEET NO. 4
Kadmas Lee & Jackson Engineers Surveyors Planners	GENERAL AREA LAYOUT	DRWN. BY: ADA CHK'D BY: TK CADD. NO.: 1406104 DATE: 05/05/06
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RECORD DRAWING