

ESTIMATE OF QUANTITIES

FOR BIDDING

ALTERNATE #1

- FURNISH PIPE AND INSTALL
(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)
741 FT. - 12" WATER MAIN
- PERMANENT PAVEMENT
250 SQ. YDS. - 4" ASPHALTIC CONCRETE (SEE PAVEMENT NOTE)
- SAWCUTTING
740 LIN. FT. - IN ASPHALT
- BARRICADES AND TRAFFIC CONTROL
- LUMP SUM
- FINISHING OF ROADWAY
- LUMP SUM
- FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL
- LUMP SUM
- 620 CU. YDS. EXCESS EXCAVATED MATERIAL

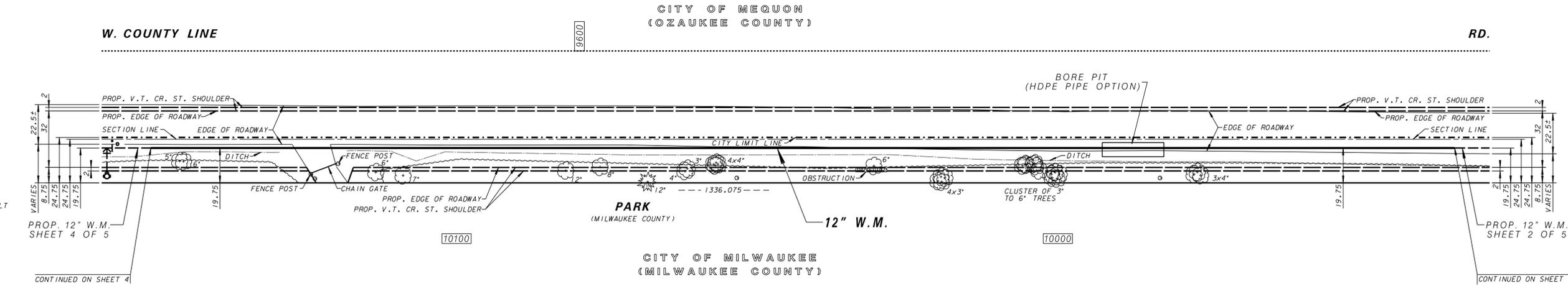
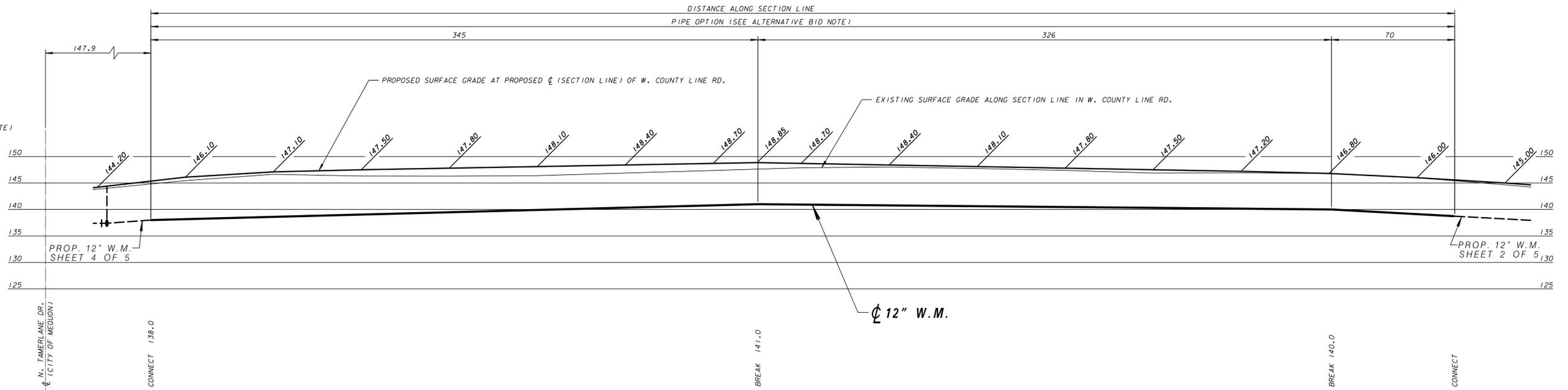
ALTERNATE #2

- FURNISH PIPE AND INSTALL
(HIGH DENSITY POLYETHYLENE (HDPE))
(DIRECTIONAL DRILL INSTALLATION)
741 FT. - 12" WATER MAIN
- PERMANENT PAVEMENT
20 SQ. YDS. - 4" ASPHALTIC CONCRETE (SEE PAVEMENT NOTE)
- SAWCUTTING
50 LIN. FT. - IN ASPHALT
- BARRICADES AND TRAFFIC CONTROL
- LUMP SUM
- FINISHING OF ROADWAY
- LUMP SUM
- FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL
- LUMP SUM
- 80 CU. YDS. EXCESS EXCAVATED MATERIAL

PAVEMENT TYPE
W. COUNTY LINE RD. IS ON THE 2013 PAVING PROGRAM.
EXISTING PAVEMENT IN W. COUNTY LINE RD. IS V.T. ASPHALT (1978), ON V.T. ASPHALT (1959)

BENCHMARKS
WOOD POLE - POLE *89-00039 (LARGE SPIKE),
ON S/S OF W. COUNTY LINE RD. (1990 BLOCK)
ELEV. 141.88
WOOD POLE - POLE *88-05226 (LARGE SPIKE) (N.W. CRNR. TAMERLANE)
ELEV. 140.40

PLAN LINE & UTILITY LEGEND			
GAS	— G —	SANITARY SEWER	— S —
ELECTRIC	— E —	STORM SEWER	— ST —
TELEPHONE	— T —	COMBINED SEWER	— CS —
CABLE TELEVISION	— TV —	WATER MAIN	— W —
FIBER OPTICS	— FO —	WATER SERVICE	— WS —
PROPOSED UTILITY	— P —	PRESSURE DISTRICT	— PD —
POWER POLES	○ CONCRETE	○ ALUMINUM	○ WOOD
UTILITIES	⊠ TRAFFIC SIGNAL	⊠ TRAFFIC CONTROL BOX	⊠ GAS VALVE
	⊠ GATE	⊠ BUTTERFLY	⊠ W-SERVICE
	⊠ HYDRANTS	⊠ 1 NOZZLE	⊠ 3 NOZZLE



Milwaukee Water Works		Water Engineering	
Department of Public Works			
WATER MAIN			
IN		W. COUNTY LINE RD.	
FROM		105 FT. WEST OF N. MICHAEL CT.	
TO		470 FT. EAST OF N. 107TH ST.	
SCALE	HORIZONTAL 1" = 30'	VERTICAL 1" = 10'	DATE 10-17-12
IN SEC. NO.	003	DESIGNED BY	MARK J. SCHELLER - MAINS DESIGN ENGINEER
PLAN DATE	9/4/12	DRAWN BY	J.F.S. - CHIEF DESIGN ENGINEER
CHECKED BY	P.W.P.	APPROVED	MARK J. SCHELLER - SPECIAL DEPUTY COMMISSIONER OF PUBLIC WORKS
SURVEY BY	CONST. SECTION	PROGRAM NO.	2012-701
CONTRACT NO.		C.C. FILE NO.	120704
WORK ORDER	WT410120701	D.N. & PROJECT NO.	12-125-1
		DATE ADOPTED	10-16-12

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

NO.	BY	REVISION	DATE