

ESTIMATE OF QUANTITIES

FOR BIDDING

FURNISH PIPE AND INSTALL

(DUCTILE IRON PUSH-ON RUBBER GASKET JOINT)

- 8 FT. - 12" WATER MAIN
- 440 FT. - 8" WATER MAIN
- 20 FT. - 6" HYDRANT BRANCH

INSTALL

2 - HYDRANT

REMOVE

2 - HYDRANT / MINOR

SERVICES

16 - CONNECT ORIGINAL SERVICE (C.O.S. - SHORT)

PERMANENT PAVEMENT

- 290 SQ. YDS. - 8" CONCRETE (1/4 POINT REPLACEMENT)
- 30 SQ. YDS. - 3" ASPHALTIC CONCRETE
- 30 SQ. YDS. - 8" CONCRETE BASE

FURNISH AND INSTALL DOWEL BARS

460 BARS

BARRICADES AND TRAFFIC CONTROL

LUMP SUM

SAWCUTTING

- 400 LIN. FT. - IN CONCRETE (FULL DEPTH)
- 110 LIN. FT. - IN ASPHALT ON CONCRETE BASE (FULL DEPTH)

FINISHING OF ROADWAY

LUMP SUM

FURNISH, INSTALL, AND MAINTAIN EROSION CONTROL

LUMP SUM

346 CU. YDS. EXCESS EXCAVATED MATERIAL

PAVEMENT TYPE

EXISTING PAVEMENT IN S. 66TH ST. IS 8" REINFORCED CONCRETE (1955).

EXISTING PAVEMENT AT THE INTERSECTION OF S. 66TH ST. & W. CLEVELAND AVE. IS 3" ASPHALT CONCRETE (1988), ON 8" CRACKED AND SEATED CONCRETE (1957).

ABANDONMENT OF WATER MAINS, VALVES, AND HYDRANT BRANCHES

- 7 FT. - 12" 1952-L WATER MAIN
- 440 FT. - 6" 1952-L WATER MAIN

FOLLOWING IS A LIST OF THE FITTINGS SHOWN ON THIS CONSTRUCTION PLAN THAT WILL BE PROVIDED BY THE CITY.

- 2 - AT 8x6
- 1 - T 12x8
- 1 - V8
- 1 - V8
- 3 - VB-DD
- 1 - H (7.0)
- 1 - H (6.5)
- 2 - SL12

16 - 1" CORPORATION STOP

FOR START OF PLAN NOTES SEE S. 66TH ST., SHEET 1 OF 2, PLAN FILE NO. 2013040.

BENCHMARKS

YARDWALK - 2634.36 S. 66TH ST., 1ST C.R., S.W. CORNER ELEV. 150.403

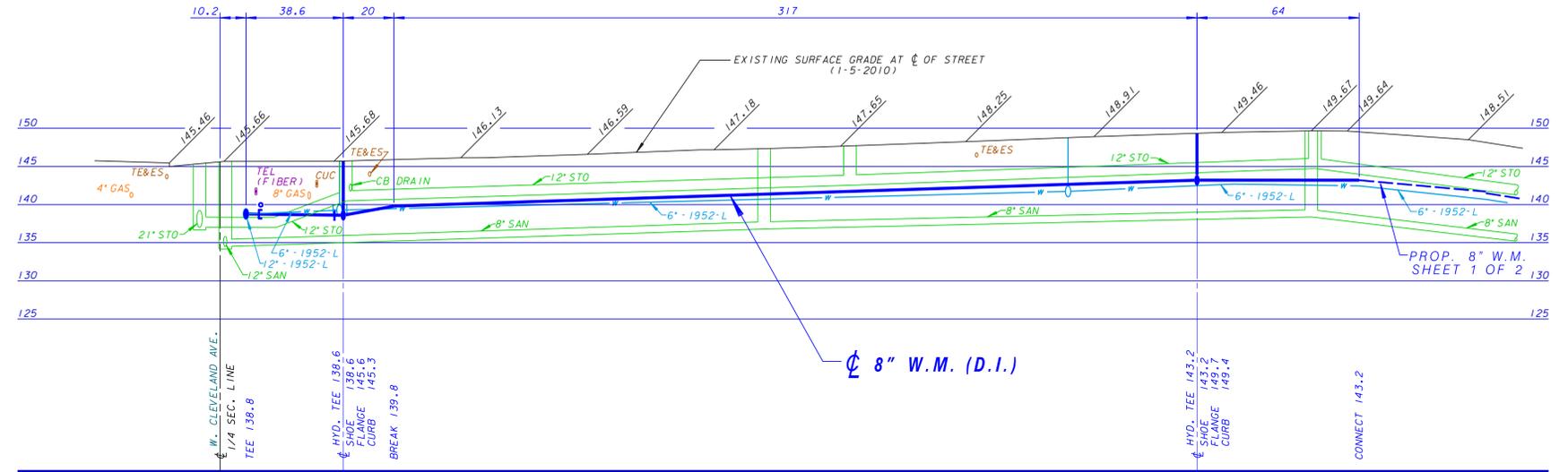
YARDWALK - 2600 S. 66TH ST., 3RD C.R., S.W. CORNER ELEV. 144.740

YARDWALK - 2550 S. 66TH ST., 1ST C.R., S.W. CORNER ELEV. 143.256

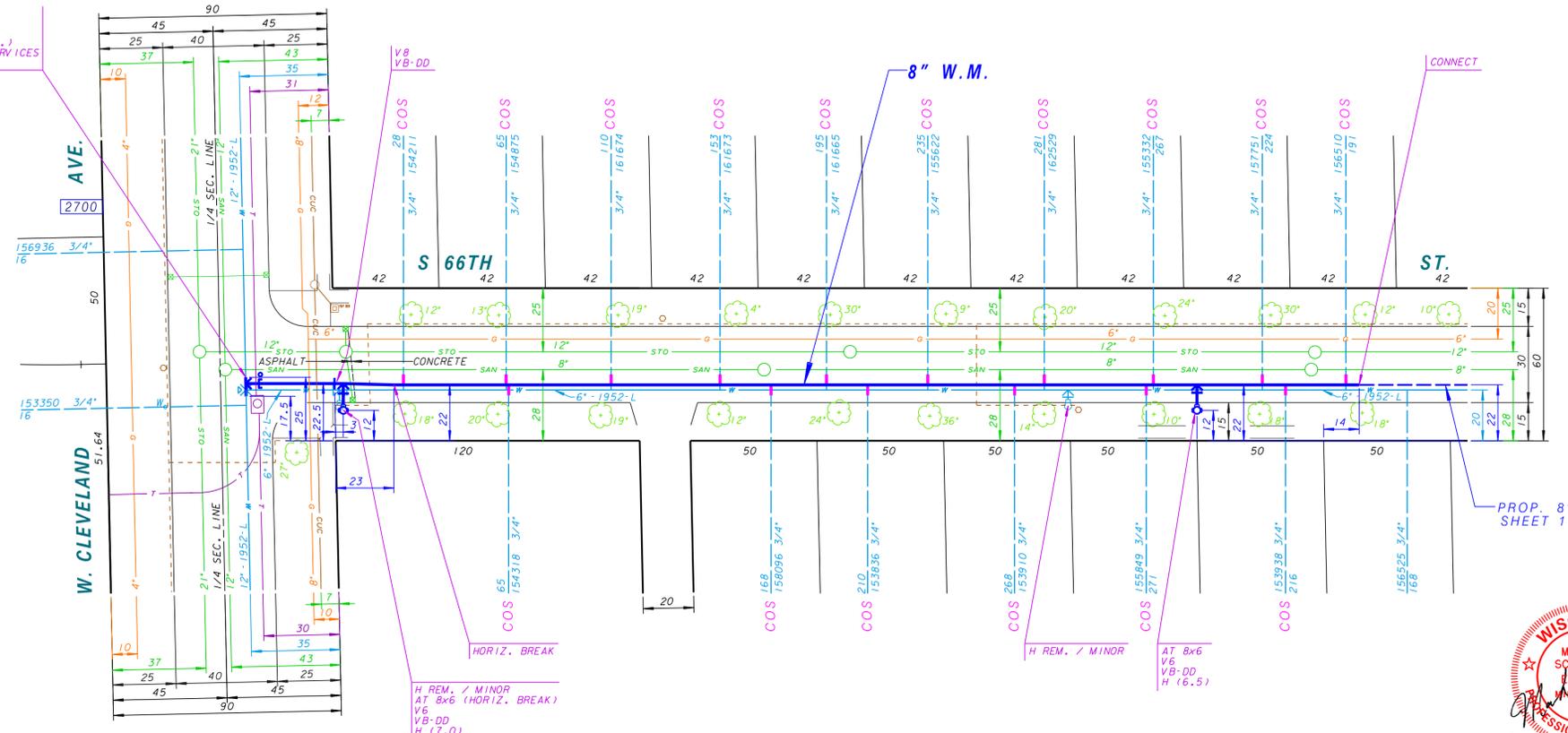
STOOP - 2517 S. 66TH ST., N.E. CORNER ELEV. 147.790

PLAN LINE & UTILITY LEGEND

GAS	G	SANITARY SEWER	SAN	STREET LIGHTING	---
ELECTRIC	E	STORM SEWER	STO	CITY UNDERGROUND CONDUIT	---
TELEPHONE	T	COMBINED SEWER	CMB	PROPOSED CURB / PMT	CUC
CABLE TELEVISION	TV	WATER MAIN	W	PAVING LIMITS	X X X X X
FIBER OPTICS	FO	WATER SERVICE	WS	STRUCTURE / BUILDING	///
PROPOSED UTILITY	---	PRESSURE DISTRICT	---	FENCE	x
POWER POLES	○	CONCRETE	○	ALUMINUM	○
	○	WOOD	○	WATER MAIN VALVES	+
	+	GATE	+	BUTTERFLY	○
	○	WATER MAIN VALVES	+	WATER MAIN VALVES	○
UTILITIES	□	TRAFFIC SIGNAL	□	TRAFFIC CONTROL BOX	□
	□	TRAFFIC CONTROL BOX	□	TRAFFIC CONTROL BOX	□
	○	GAS VALVE	○	GAS VALVE	○
	○	HYDRANTS	○	1 NOZZLE	○
	○	HYDRANTS	○	3 NOZZLE	○



SL12 (W) 138.8*
T 12x8
SL12 (E) 138.7*
CB W/2" A.V. (TEMP.)
CONNECT AFTER SERVICES
ARE RECONNECTED



BACKFILL AND BEDDING MATERIAL
THE REQUIREMENTS FOR BACKFILL AND BEDDING MATERIAL SHALL BE AS STATED IN THE MILWAUKEE WATER WORKS STANDARD PLAN NOTES REGARDING WATER MAIN CONSTRUCTION.

HYDRANTS
THE CONTRACTOR SHALL RETURN ALL ABANDONED HYDRANTS TO THE DPW FIELD HEADQUARTERS - INFRASTRUCTURE, OPERATIONS, WATER WORKS, CONTACT MR. BEN GLATZEL AT 414-708-2839 FOR ADDITIONAL INFORMATION.

HYDRANT PERMITS
A \$65.00 HYDRANT PERMIT/USE FEE WILL BE PART OF THE HYDRANT USE PERMIT. THIS FEE IS PER HYDRANT PER WEEK.

IT IS THE INTENTION OF THE CITY OF MILWAUKEE TO METER AND RECORD ALL WATER USE ON THIS CONTRACT. THE CONTRACTOR MUST OBTAIN A HYDRANT PERMIT FOR THIS CONTRACT WHICH INCLUDES THE REQUIREMENT OF A METER TO MEASURE WATER USAGE. THIS PERMIT CAN BE OBTAINED FROM THE CITY'S DEVELOPMENT CENTER LOCATED AT 909 N. BROADWAY.

IF IT IS FOUND THAT THE CONTRACTOR IS NOT FOLLOWING THE STANDARD HYDRANT PERMIT USE RULES, THE CITY OF MILWAUKEE WILL TAKE NORMAL ENFORCEMENT ACTION.

THE PERMIT REQUIRES THE CONTRACTOR TO PLACE A REFUNDABLE \$675.00 DEPOSIT FOR EACH METER TO BE USED. THE CONTRACTOR WILL NOT BE REQUIRED TO PAY \$325.00 FOR THE SETUP OF THE METER. THE \$65.00 HYDRANT PERMIT/USE FEE WILL BE WAIVED BY THE UTILITY. THE CONTRACTOR WILL NOT BE CHARGED FOR THE VOLUME OF WATER USED.

QUESTIONS, ARRANGING INSTALLATIONS, AND READINGS
MMW METER SERVICES DISPATCHER, 414-286-2865
MR. TIM GARCZYNSKI, WATER METER PROJ MGR, 414-286-8119

JOINT RESTRAINT OPTION
DUCTILE IRON PIPE AND FITTINGS (EXCEPT HYDRANT BRANCHES) MAY BE RESTRAINED USING FIELDLOK OR W/ FIELDLOK RESTRAINT. BUTTRESSING MAY BE REQUIRED IN ADDITION TO THE FIELD LOK RESTRAINT.

CONTRACTOR SHALL NOTIFY MMW 414-286-2427 IF FIELD LOK RESTRAINT WILL BE USED PRIOR TO THE REQUIRED EROSION CONTROL SUBMITTAL. ADDITIONAL REQUIREMENTS FOR USE OF FIELD LOK RESTRAINT IS DETAILED IN THE STANDARD PLAN NOTES INCLUDED IN BID DOCUMENTS.

RESIDENT / BUSINESS NOTIFICATION

WITHIN TEN (10) BUSINESS DAYS OF THE AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL MAIL A NOTICE OF THE PROJECT TO THE CITY OF MILWAUKEE CONSTRUCTION SECTION AT 841 N. BROADWAY, ROOM 710, MILWAUKEE, WI 53202 FOR REVIEW AND APPROVAL. WITHIN FIVE (5) BUSINESS DAYS OF APPROVAL, THE CONTRACTOR SHALL MAIL THE PROJECT NOTICE TO ALL AFFECTED AREA RESIDENTS AND BUSINESSES AND INCLUDE ANY INFORMATION DEEMED NECESSARY FOR THE SUCCESSFUL PERFORMANCE OF THE CONTRACT.

IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL NOTICES ARE CONVEYED TO THE PUBLIC REGARDING THIS PROJECT. A MILWAUKEE WATER WORKS SAMPLE NOTICE IS INCLUDED IN THE CONTRACT DOCUMENTS. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR BARRICADES AND TRAFFIC CONTROL. CONTRACT WORK SHALL NOT START PRIOR TO COMPLETING THE NOTICE REQUIREMENT. ANY DELAY IN CONTRACT COMPLETION AS A RESULT OF NON-COMPLIANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PROJECT IDENTIFICATION
THE CONTRACTOR SHALL POST CITY OF MILWAUKEE PROJECT IDENTIFICATION ("BLUE") SIGNS AS DIRECTED ON EACH PROJECT IN THIS CONTRACT. THE CITY OF MILWAUKEE CONSTRUCTION SECTION WILL PROVIDE BLANK SIGNS FOR THE CONTRACTOR TO FILL IN CONTACT INFORMATION AND POST. THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR TRAFFIC CONTROL AND BARRICADEING.

C.O.S. NOTE
TAPS REQUIRED FOR RE-CONNECTING SERVICES SHALL BE MADE BY THE CONTRACTOR. TAPS SHALL BE MADE AND CORPORATION STOPS INSTALLED PRIOR TO PRESSURE TEST. ALL COSTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONNECT ORIGINAL SERVICE.

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND BEFORE YOU DIG. *WISCONSIN STATE 182.015 REQUIRES MING. OF WORK DAYS NOTICE BEFORE YOU EXCAVATE

NO.	BY	REVISION	DATE



Milwaukee Water Works Department of Public Works	
WATER MAIN	
S. 66TH ST.	
130 FT. SOUTH OF W. ARTHUR AVE. W. CLEVELAND AVE.	
IN	DATE
FROM	5-3-13
TO	5-3-13
APPROVED: <i>Mark Schell</i> MARK SCHELL 13000 MILWAUKEE, WI PROFESSIONAL ENGINEER	
SCALE	HORIZONTAL 1" = 30' VERTICAL 1" = 10'
14 SEC. NO.	490
PLAN DATE	12-19-12
DRAWN BY	J.F.S.
CHECKED BY	P.W.P.
SURVEY BY	CONST. SECTION
PROGRAM NO.	2013-695
CONTRACT NO.	WT410101025
C.C. FILE NO.	121553
WORK ORDER	WT410101025
D.W. & PROJECT NO.	13-87-1
DATE ADOPED	3-19-13
SHEET NO. 2 OF 2 PLAN FILE NO. 2013041	