

MUNICIPAL AGREEMENT AMENDMENT NO. 80

2008 S.84.09(1) Wis. Stats.

Wisconsin Department of Transportation

Utility Project ID Number 1030-21-46	County Milwaukee	UA Number 516
Road Name N/S Freeway College Ave. to Howard Ave.– Mitchell Interchange (1030-20-72)		Highway IH 43/ 94 / 894
Utility name City of Milwaukee – Department of Public Works – Milwaukee Water Works (Water)		

The agreement in effect between the above named Utility and the State of Wisconsin, Department of Transportation, Division of Transportation Infrastructure Development for the performance of certain work on the above project shall be changed in the following particulars. The acceptance of this amendment by the Utility and its approval by the Wisconsin Department of Transportation shall constitute a mutual agreement as part of the original agreement binding upon both parties in the same manner as though the essence of the amendment had originally been in the agreement.

Reason for Amendment:

This Municipal Agreement Amendment No. 80 is to add the Mitchell Interchange contract (1030-20-72) for the reconstruction of the I-94 North-South Freeway. The original Municipal Agreement for this Parcel was executed under the contract for Grange Avenue Water Main Relocation (1030-21-71).

Change to Current Agreement

ITEM	EXPLANATION	COST (+/-)
City Water facilities.	Addition of relocations, reconstructions and adjustments of City Water facilities at South 20 th Street as necessary for the reconstruction of the Mitchell Interchange area of the I-94 North-South Freeway.	+ \$ 1,200,000.00

Net increase/decrease in agreement: \$ 1,200,000.00 increase.

The parties have caused this Agreement to be executed by their proper officers and representatives on the date shown.

Wisconsin Department of Transportation
Division of Transportation Infrastructure Development

(Municipal Utility) (Date)

X _____
(Administrator) (Date)

X _____
(Signature) (Date)

(Title) (Date)

X _____
(Governor of Wisconsin) (Date)

X _____
(Signature) (Date)

(Title) (Date)

X _____
(Signature) (Date)

(Title) (Date)

**CAPITAL IMPROVEMENT PROGRAM
PROJECT COST ESTIMATE
FOR WATER MAIN**

A-50-1

TYPE OF IMPROVEMENT 16" RELAY

W.E.D. NO(S) 2010-501

LOCATION

In: S. 20th St. (Phase II)
From: W. Van Norman Av.
To: 600 ft S/O W. Van Norman Av

W.O. NO(S) WT410100501
Aldermanic District 13
Final Res. Intro Date January 0, 1900

Preliminary Res Dat January 0, 1900
Preliminary Res No. 0

ITEMS

GROUP I - DIRECT COST ORIG. BY M.W.W.

	DIRECT COST	COST FACTOR	ITEM COST
1. CONTRACT (BID ESTIMATE)	\$1,053,000.00	1.00	\$1,053,000.00
2. MATERIAL (M.W.W.)	\$2,000.00	1.30	\$2,600.00
3. WATER DISTR. DIV. - LABOR (M.W.W.)	\$1,500.00	1.69	\$2,535.00
4. WATER DISTR. DIV. - EQUIP. (M.W.W.)	\$150.00	1.00	\$150.00
5. PIPE YARD HAULING - LABOR (D.P.W.)	\$140.00	1.56	\$218.40
6. PIPE YARD HAULING - EQUIP. (D.P.W.)	\$14.00	1.00	\$14.00
7. ENGINEERING (M.W.W.)	\$5,265.00	1.58	\$8,318.70
8. MATERIAL INSPECTION (M.W.W.)	\$5,000.00	1.58	\$7,900.00
9. FIELD INSPECTION (D.P.W.)	\$5,265.00	1.56	\$8,213.40
10. WATER SAMPLES (D.P.W.)	\$2,000.00	1.00	\$2,000.00

GROUP II - (ITEM CHARGES BILLED TO M.W.W.)

11. SURVEY INFORMATION (D.P.W.)	\$0.00
12. WHITE PRINTS (D.P.W.)	\$500.00
13. ADVERTISING FOR BIDS (D.P.W.)	\$0.00
14. OTHER	\$0.00
15. OTHER	\$0.00
16. OTHER	\$0.00

TOTAL (COSTS FOR ITEMS 1 THRU 16) \$1,085,449.50

GROUP III. - CONTINGENCIES \$114,550.50

TOTAL PROJECT COST ESTIMATE ~~\$1,200,000.00~~

PRELIMINARY RESOLUTION AMOUNT \$0.00

FINAL RESOLUTION AMOUNT 90% State Share \$1,080,000.00
FINAL RESOLUTION AMOUNT 10% City Share \$120,000.00

PREPARED KSR
CHECKED _____

DATE 01/29/10

UTILITY WORKSHEET

DT2236 6/2008 s.84.063 Wis. Stats.

Wisconsin Department of Transportation

Utility Company Name Milwaukee Water Works	"REVISED"	PLEASE RETURN THIS WORKSHEET BY July 9th, 2009
Project Description – Include Project ID, Title, Limits, Highway, County North-South Freeway Reconstruction IH 94 / IH 43 / IH 894 Mitchell Interchange - College Ave. to Howard Ave. Milwaukee County Design Project ID 1030-20-00 Construction Project ID 1030-20-72		RETURN TO Mr. Kevin Cornnell, PE, RLS Milwaukee Transportation Partners, LLC 141 NW Barstow Street PO Box 798 Waukesha, WI 53187-0798

- Describe your proposed relocation plan for the above project, as requested in the enclosed letter, using highway stationing whenever possible. Attach extra sheets if needed.

Relocations designed and/or under construction (in WISDOT contract) :

- S 27th St - 12" Relay
- W Grange Ave - 54" Relay
- W Layton Ave - 16" Relay and Hydrant Alteration
- W Bolivar Ave - 16" Alteration
- W Mallory Ave - 8" Relay
- W Whitaker Ave (West) - Hydrant Alteration and service
- W Whitaker Ave (East) - 8" Relay S 14th St to S 15th St
- S 20th St (Phase I) Alterations, S 15th PI (Hydrant alteration), W Halsey Ave (Alterations)

Relocations yet to be designed/constructed by WISDOT's Consultant to be included in future WISDOT contracts as 90/10 water relocation projects:
S 20th St - 16" relay

- Conflicting utility facilities will need to be relocated prior to construction. If this is not feasible, provide an explanation and an indication of what work will require coordination with the highway contractor during construction.

The above work is in various stages of coordination with the state highway project and to be designed by WISDOT consultant and to be included in WISDOT contracts.

3.	Anticipated Start Date
	Will coincide with WISDOT project start dates
4.	Estimated construction time required (In working days)
	NA

- List the approvals required and the expected time schedule to obtain those approvals.

WISDOT permits and DNR water main extension submitted by the WISDOT consultant

- Include a list of the real estate parcels that the Wisconsin Department of Transportation (DOT) must have acquired to enable your company to complete the necessary facility installations and relocations prior to construction.

None

7. Review the enclosed plans for the above project. Are your facilities correct as shown? If not, list the errors. In some cases, it may be easier to return a marked up copy of the plan. **It is very important that your facilities are shown correctly because all construction field personnel will use this information. Uncorrected location errors could create construction delays or damage to utility facilities.**

Plans appear correct with the exception of S 15th St and W Whitaker Ave.(East) In 2006 MWW installed a new 8" water main in S 15th St slightly changing the configuration in the intersection see attached plan 2006112.

8. Is this work dependent on work by other utilities? If so, which other utilities, and what time schedule has been coordinated with them?

No

9. Please provide the name, address, and telephone number of the field contact person for this project, so that we may place this information on the highway plan.

Name

Mr. Dave Goldapp

Address

841 N Broadway, Room 409

City, State, ZIP Code

Milwaukee, WI 53202

Area Code - Telephone Number

414-286-6301

Area Code - Telephone Number (Mobile)

414-708-2695

10. List any other relevant information that may impact the ultimate goal of preventing construction delay due to uncertain scheduling of utility facility relocations.

None

11. Yes No Do you have any facilities that are no longer in use but have been left in place in the project area? If "Yes", approximately where are the facilities located and what type and size of facility is involved?

Does the line have any remaining product?

Does the line have any asbestos wrap or any other hazardous materials associated with it?

Does any part of the line conflict directly with the proposed highway project? If so, what arrangements have been made to remove those portions? This should be mentioned as part of your work plan in question number 1 on this form.

Is there any reason the highway contractor cannot remove portions of the line left in place?

If you answered "Yes" to any of the questions above, please attach additional pages.

Preparer Area Code - Telephone #, Ext.
414-286-8148

Preparer E-Mail Address
karl.rohrbach@milwaukee.gov

Karl Rohrbach, P.E.

(Name of Person Who Prepared this Worksheet)
(If completed electronically, Brush Script Font)

"REVISED"

2/2/2009

(Date)

NOTE: DOT will be sending to you a Trans 220 Work Plan Approval letter and a Start Work Notice after we complete the review of your Work Plan.

ESTIMATE OF QUANTITIES

(NOT FOR BIDDING)

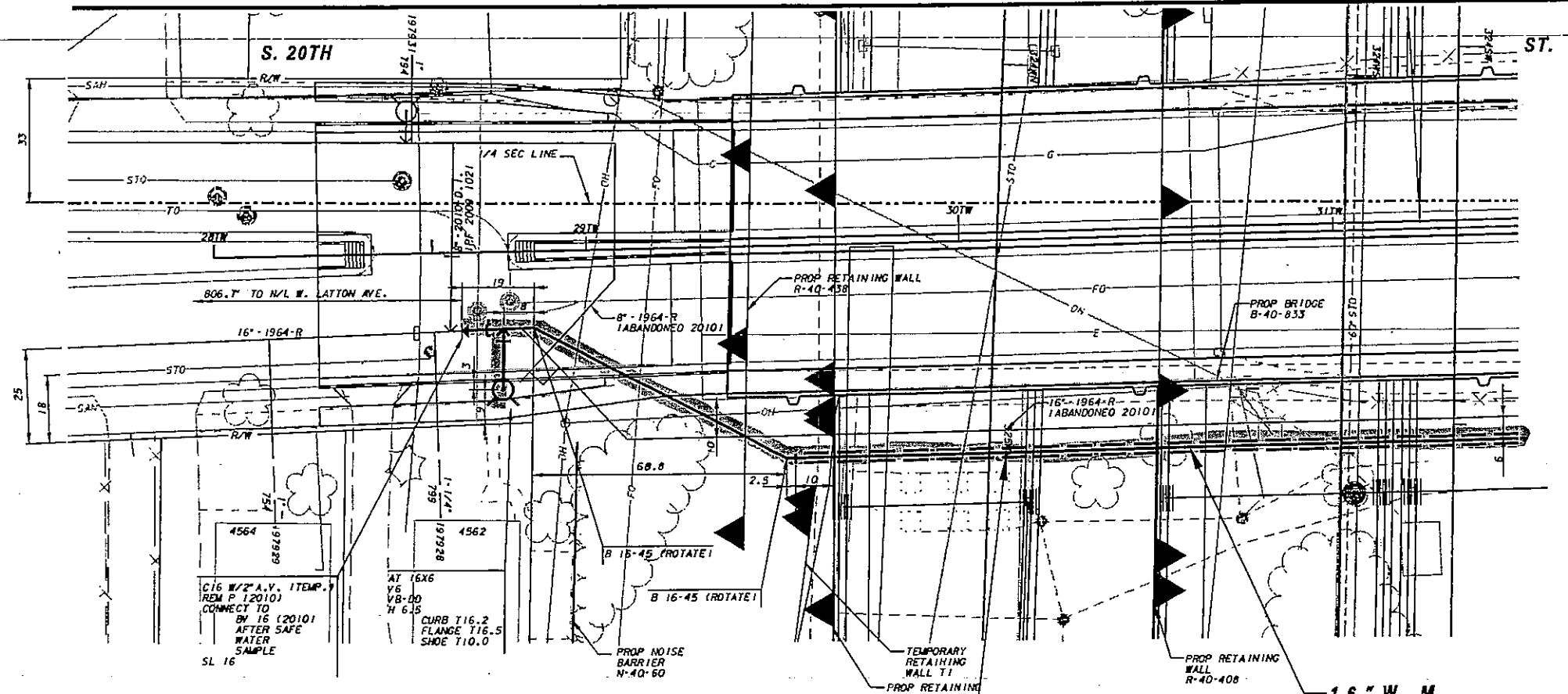
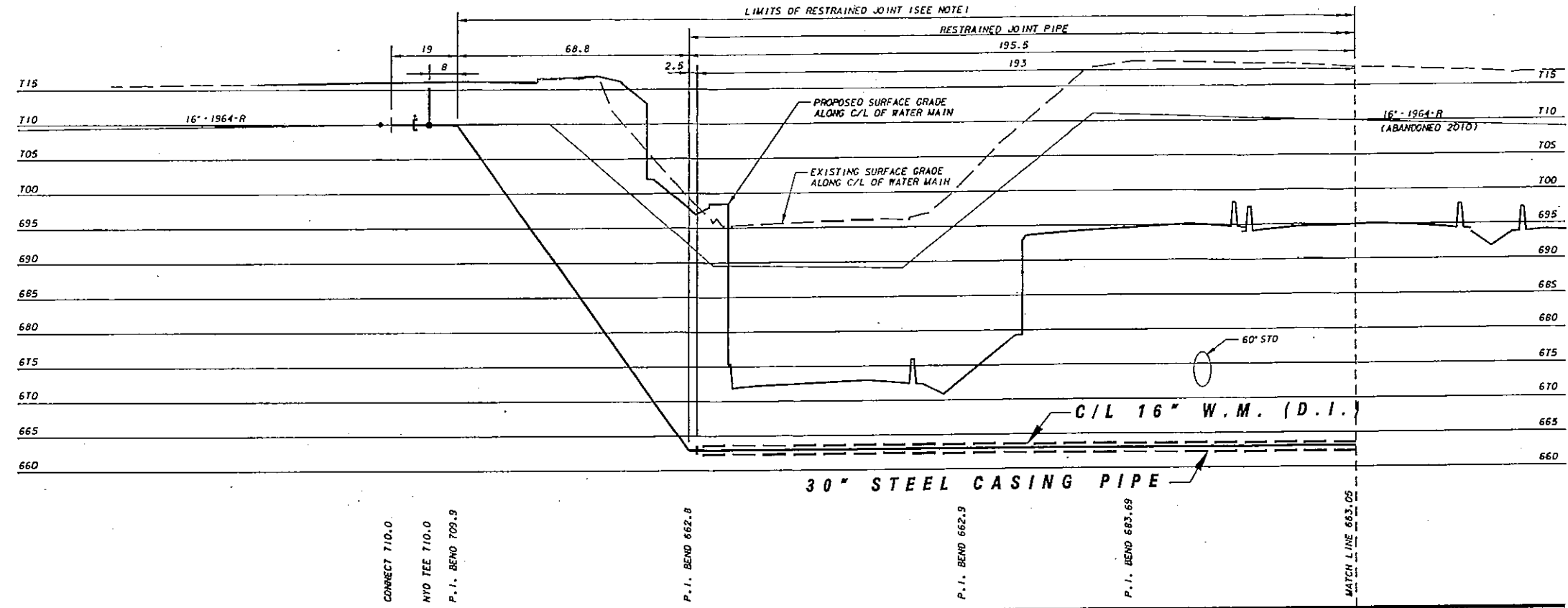
FURNISH PIPE AND INSTALL
 193 LF - 30" STEEL CASING
 (DUCTILE IRON PIPE, PUSH-ON RUBBER GASKET JOINT)
 305 LF - 16" WATER MAIN
 16 LF - 6" HYDRANT BRANCH

MATERIALS ON THIS CONSTRUCTION PLAN TO BE FURNISHED BY THE CITY.
 (1-H 16.5)

SEE GENERAL NOTES ON SHEET 1 OF 2 (PLAN FILE NO. 2011XXX)

RESTRAINT - 16" WATER MAIN
 SEE NOTE ON PLAN FILE NO. 2011XXX (SHEET 1 OF 2)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO MVD 29 TO CONVERT TO CITY OF MILWAUKEE DATUM. SUBTRACT 580.603 FROM ELEVATIONS SHOWN.



PLAN LINE & UTILITY LEGEND

GAS	SANITARY SEWER	STREET LIGHTING
ELECTRIC	STORM SEWER	CITY UNDERGROUND CONDUIT
TELEPHONE	COMBINED SEWER	PROPOSED CURB / PAVT
CABLE TELEVISION	WATER MAIN	PAVING LIMITS
FIBER OPTICS	WATER SERVICE	STRUCTURE / BUILDING
PROPOSED UTILITY	PRESSURE DISTRICT	FENCE
POWER POLES	WATER MAIN VALVES	GATE
UTILITIES	HYDRANTS	BUTTERFLY
TRAFFIC SIGNAL	NOZZLE	W-SERVICE
TRAFFIC CONTROL BOX		

CALL DIGGERS HOTLINE
 1-800-242-8511
 CALL FIRST TO OBTAIN LOCATION OF UNDERGROUND UTILITIES BEFORE YOU DIG. (SUCH AS STATE, FEDERAL, PRIVATE, ETC.)

30" STEEL CASING PIPE

Norris & Associates, Inc.
 8001 N. 78th St., Suite 300
 Milwaukee, WI 53228
 Phone: 414-362-0083 / Fax: 414-362-0080

K.S.R.	MILWAUKEE WATER WORKS REVIEW	02/28/10
NO.	BY	REVISION
		DATE

Milwaukee Water Works
 Department of Public Works

WATER MAIN

IN S. 20TH ST. (PHASE II)
 FROM W. VAN NORMAN AVE.
 TO 600 FT. S/O W. VAN NORMAN AVE.

SCALE: HORIZONTAL 1" = 20'
 VERTICAL 1" = 10'

IN USE: N. 507

PLAN DATE

DESIGNED BY: T. WEICHERT

CHECKED BY: R. BLANKENHORN

DRAWN BY: MJP

PROGRAM NO. 2010-305

CONTRACT NO. STATE

DATE LIMITED

SHEET NO. 2 - OF 2 PLAN FILE NO. 2011XXX

ESTIMATE OF QUANTITIES
(NOT FOR BIDDING)

FURNISH PIPE AND INSTALL
117 LF - 30" STEEL CASING
DUCTILE IRON PIPE, PUSH-ON RUBBER GASKET JOINT
242 LF - 16" WATER MAIN

GENERAL NOTES
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF MILWAUKEE "WATER MAIN INSTALLATION SPECIFICATIONS" DATED JANUARY 2, 1987. ADDITIONALLY, ALL WORK SHALL BE DONE IN ACCORDANCE WITH "THE MILWAUKEE WATER WORKS STANDARD PLAN NOTES REGARDING WATER MAIN CONSTRUCTION" DEC. 1, 2008, WHICH ARE ATTACHED AND ARE MADE A PART OF THESE WATER MAIN PLANS AND CONTRACT DOCUMENTS. NOTES 4, 6, 14 THROUGH 17 AND 20 SHALL NOT APPLY TO THIS PROJECT.

THE CONTRACTOR SHALL FURNISH TEMPORARY TEST CAPS AND PLUGS, PIPE, FITTINGS AND ALL OTHER ITEMS REQUIRED TO COMPLETE THIS PROJECT, WITH THE EXCEPTION OF HYDRANTS NOTED ON THE PLANS.
ALL VALVE BOXES SHALL BE INSTALLED ON GATE VALVES WITH THE USE OF VALVE BOX BASE ADAPTERS, "ADAPTOR 1" AS MANUFACTURED BY ADAPTOR INC. OR AN APPROVED EQUAL.

THE ADAPTER SHALL BE INSTALLED IN ADDITION TO THE HARDWOOD BLOCKING.

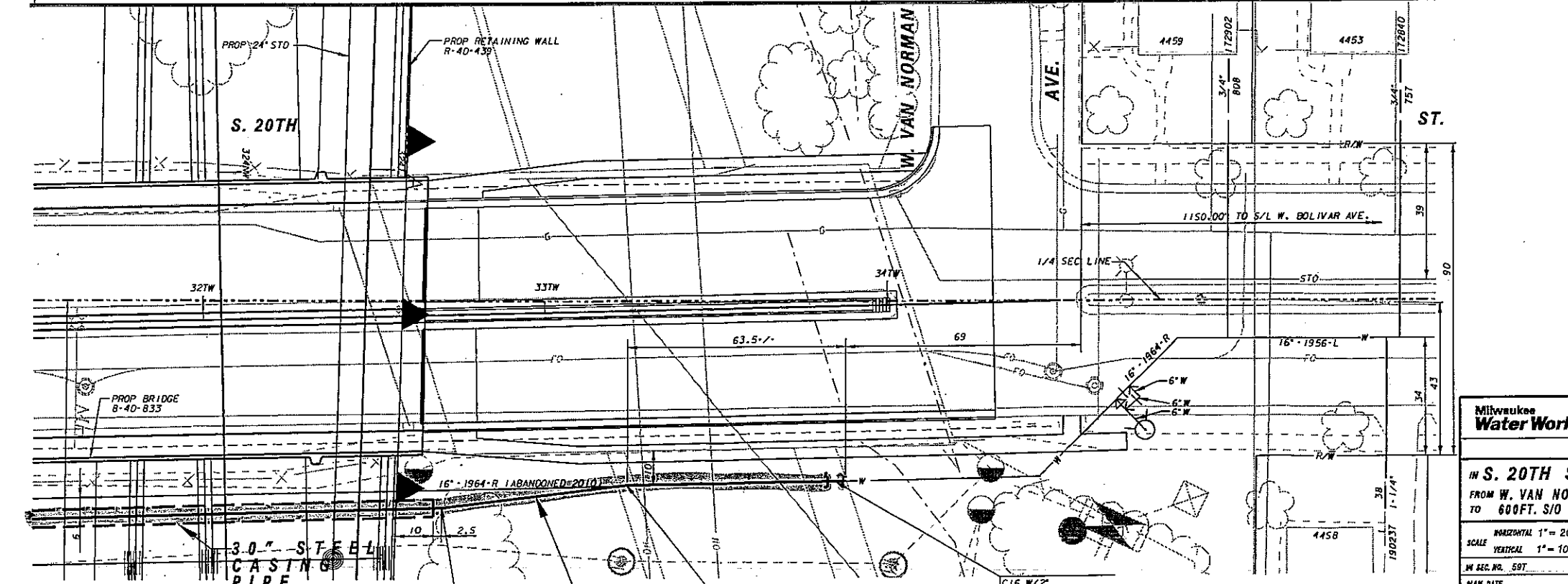
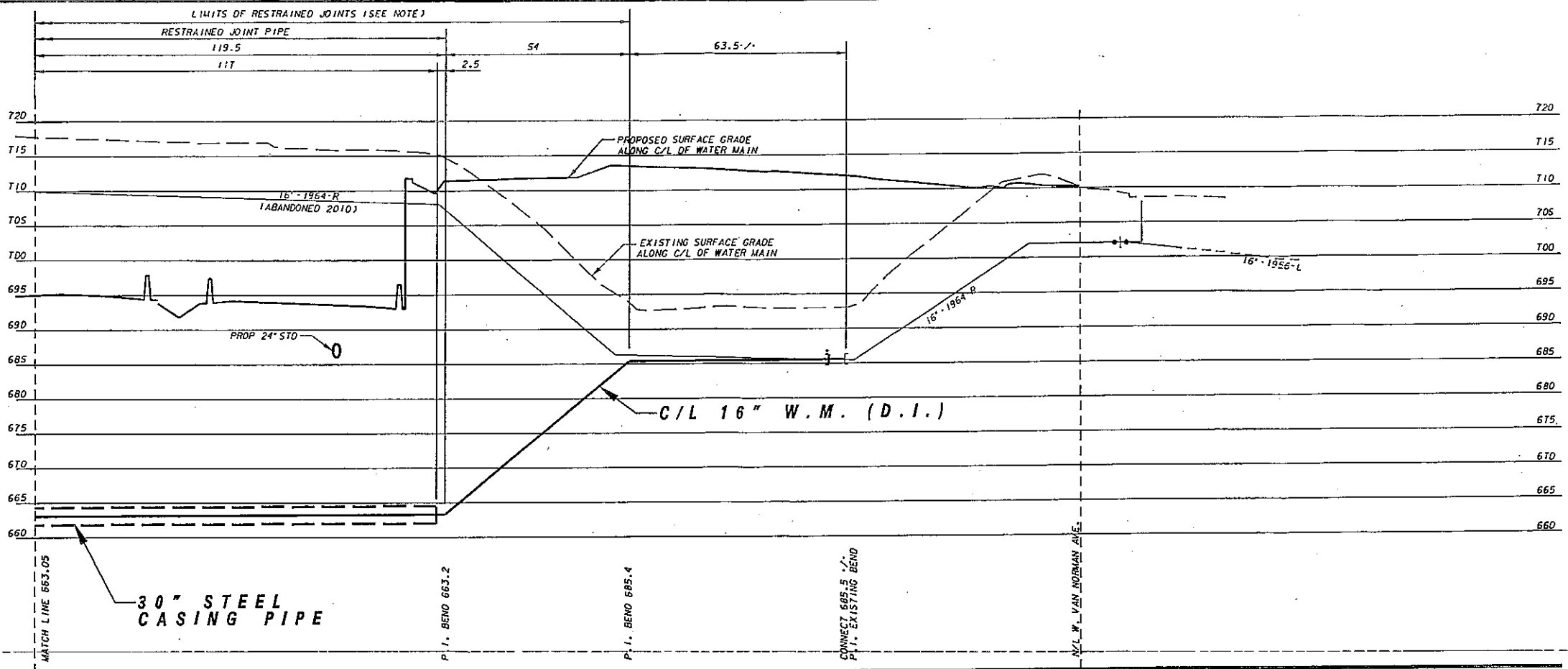
ALL MATERIALS WILL REQUIRE INSPECTION BY THE CITY.

NOTIFY MR. STEVE BRENGOSZ AT 414-286-2808 OR MR. MARK SCHELLER AT 414-286-2421, FOR MATERIALS INSPECTION AND THE CITY OF MILWAUKEE'S CONSTRUCTION SECTION AT 414-286-2491, FOR INSTALLATION INSPECTION, FOUR DAYS PRIOR TO STARTING CONSTRUCTION.

THE MILWAUKEE WATER WORKS WILL SHUT OFF THE WATER MAIN TO BE ALTERED AND PROVIDE TEMPORARY HOSE CONNECTIONS TO AFFECTED SERVICES AS REQUIRED.

RESTRAINT - 16" WATER MAIN
16" WATER MAIN WITHIN THE LIMITS SHOWN SHALL HAVE ALL JOINTS RESTRAINED. WHERE RESTRAINED JOINT PIPE IS SHOWN, PIPE SHALL BE FLEX OR EQUAL. IN OTHER LOCATIONS, JOINTS SHALL BE EITHER RESTRAINED JOINT PIPE AND FITTINGS, OR PUSH-ON JOINTS WITH FIELD LDK GASKETS AND FITTINGS RESTRAINED WITH MJ FIELD LDK GASKETS AND GLANDS. IN ADDITION, A STANDARD CONCRETE BUTTRESS SHALL BE REQUIRED AT TOP BENDS.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NGVD 29. TO CONVERT TO CITY OF MILWAUKEE DATUM, SUBTRACT 580.603 FROM ELEVATIONS SHOWN.



PLAN LINE & UTILITY LEGEND

GAS	○	SANITARY SEWER	SAN	STREET LIGHTING	—
ELECTRIC	—	STORM SEWER	STG	CITY UNDERGROUND CONDUIT	CUC
TELEPHONE	—	COMBINED SEWER	CSB	PROPOSED CURB / PAVT	—
CABLE TELEVISION	—	WATER MAIN	W	PAVING LIMITS	X X X X
FIBER OPTICS	—	WATER SERVICE	WS	STRUCTURE / BUILDING	—
PROPOSED UTILITY	—	PRESSURE DISTRICT	PD	FENCE	—

POWER POLES ○ CONCRETE □ ALUMINUM ○ WOOD WATER MAIN VALVES + GATE + BUTTERFLY ○ W-SERV ICE
UTILITIES ⊗ TRAFFIC SIGNAL ⊠ TRAFFIC CONTROL BOX ⊙ GAS VALVE HYDRANTS ⊖ 1 NOZZLE ⊖ 3 NOZZLE

CALL DIGGERS HOTLINE
1-800-242-8511
CALL 24 HOURS A DAY TO OBTAIN LOCATION OF UNDERGROUND UTILITIES. A FEE OF \$100 PER HOUR IS CHARGED FOR THIS SERVICE. A FEE OF \$100 PER HOUR IS CHARGED FOR THIS SERVICE.

Norris & Associates, Inc.
9001 N. 76th St., Suite 306
Milwaukee, WI 53223
Phone: 414.362.0063 Fax: 414.362.0068

NO.	BY	REVISION	DATE
1	K.S.R.	MILWAUKEE WATER WORKS REVIEW	01/28/10

Milwaukee Water Works Water Engineering
Department of Public Works

WATER MAIN

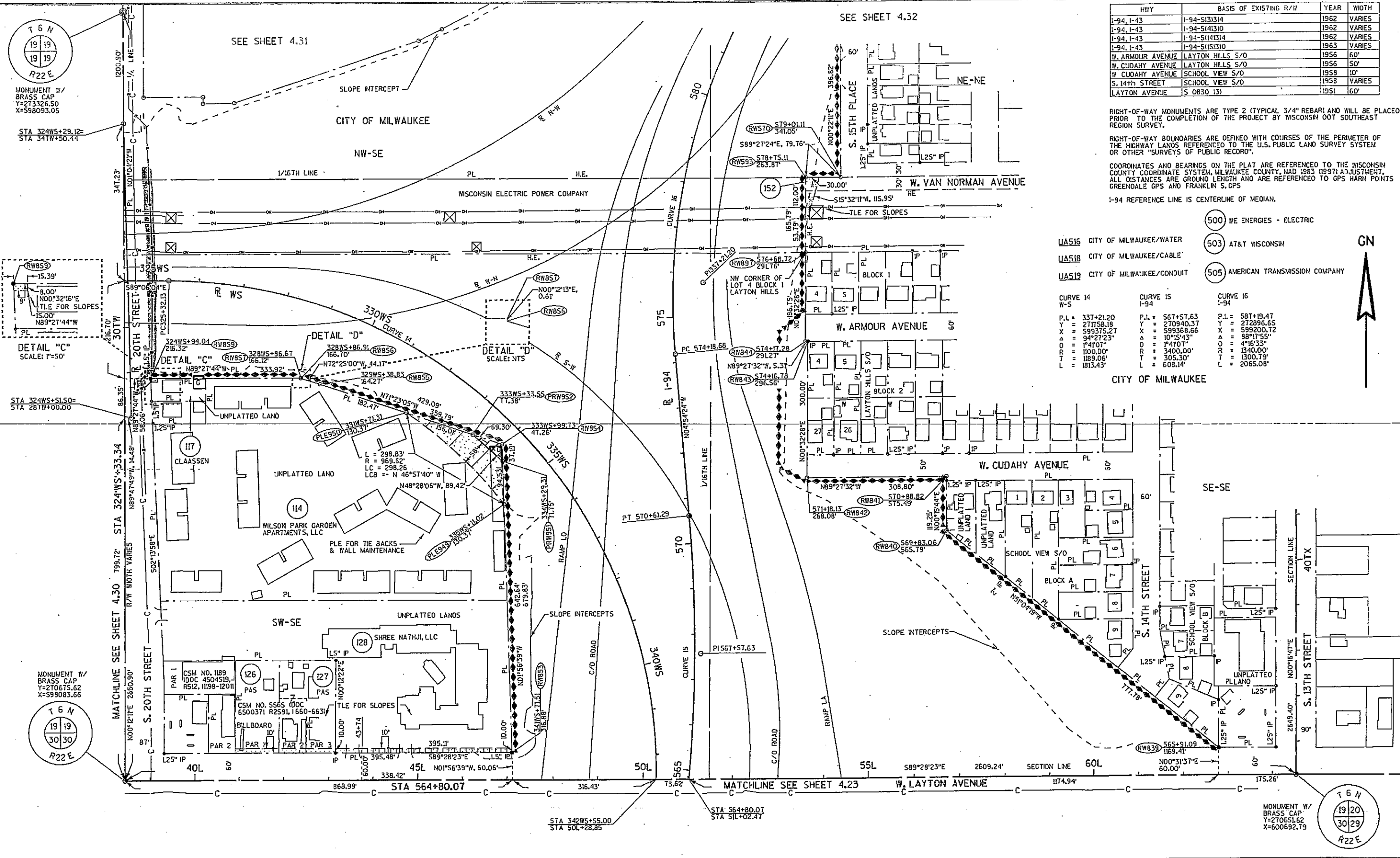
IN S. 20TH ST. (PHASE II)
FROM W. VAN NORMAN AVE.
TO 600 FT. S/O W. VAN NORMAN AVE.

SCALE: HORIZONTAL 1" = 20', VERTICAL 1" = 10'

DESIGNED BY: T. WEICH
CHECKED BY: R. BLANCKE
SURVEY BY: M.P.
PROGRAM NO. 2010-505
WORK ORDER: W1301002501

CONTRACT NO. STATE: C.C. FILE NO.
D.W. & PROJECT NO. STATE: DATE ADAPTED

SHEET NO. 1 OF 2 - PLAN FILE NO. 2011XXX



HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94, I-43	I-94-S13314	1962	VARIES
I-94, I-43	I-94-S141310	1962	VARIES
I-94, I-43	I-94-S141314	1962	VARIES
I-94, I-43	I-94-S151310	1963	VARIES
W. ARMOUR AVENUE	LAYTON HILLS S/O	1956	60'
W. CUDAHY AVENUE	LAYTON HILLS S/O	1956	50'
W. CUDAHY AVENUE	SCHOOL VIEW S/O	1958	10'
S. 14TH STREET	SCHOOL VIEW S/O	1958	VARIES
LAYTON AVENUE	S 0830 131	1951	60'

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

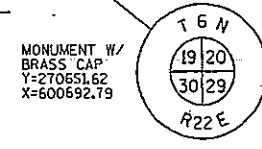
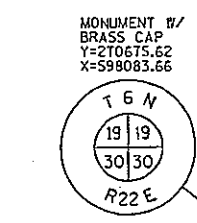
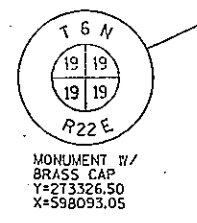
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

COORDINATES AND BEARINGS ON THE PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS GREENDALE GPS AND FRANKLIN S, GPS.

I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.

- UA516 CITY OF MILWAUKEE/WATER
- UA518 CITY OF MILWAUKEE/CABLE
- UA519 CITY OF MILWAUKEE/CONDUIT
- 500 WE ENERGIES - ELECTRIC
- 503 AT&T WISCONSIN
- 505 AMERICAN TRANSMISSION COMPANY

CURVE 14 W-5	CURVE 15 I-94	CURVE 16 I-94
P.L. = 337+21.20	P.L. = 567+57.63	P.L. = 587+19.47
Y = 271758.18	Y = 270940.37	Y = 272896.65
X = 599375.27	X = 599368.66	X = 599200.72
Δ = 94°27'23"	Δ = 10°15'43"	Δ = 88°11'55"
θ = 4°10'7"	θ = 4°10'7"	θ = 4°16'33"
R = 100.00'	R = 3400.00'	R = 1340.00'
T = 1189.06'	T = 305.30'	T = 1300.79'
L = 1813.43'	L = 608.14'	L = 2065.08'



REVISION DATE OCTOBER 28, 2008 FEBRUARY 26, 2009 JUNE 22, 2009	DATE SEPTEMBER 25, 2008	SCALE, FEET 0 100 200	HWY: I-94	STATE R/W PROJECT NUMBER 1030-20-20	PLAT SHEET 4.24
			COUNTY: MILWAUKEE	CONSTRUCTION PROJECT NUMBER 1030-20-70	E

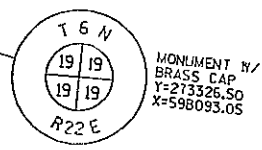
HTY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94, I-43	I-94-513314	1962	VARIES
I-94, I-43	I-94-5141310	1962	VARIES
I-94, I-43	I-94-5141314	1962	VARIES
I-94, I-43	I-94-51151310	1963	VARIES
BOTTSFORD AVE.	BOLIVAR MANOR ADD'N. NO. 3	1951	60'
S. 16th STREET	BOLIVAR MANOR ADD'N. NO. 3	1957	30'
S. 16th STREET	BOLIVAR MANOR ADD'N. NO. 2	1956	30'
S. 20th STREET	FONS & CO'S SUBO. NO. 20	1956	45'
S. 20th STREET	VILLA MANN NO. 3	1955	45'

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, MILWAUKEE COUNTY, NAD 1983 19971 ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HORN POINTS GREENDALE GPS AND FRANKLIN 5 GPS.

I-94 REFERENCE LINE IS CENTERLINE OF MEDIAN.



4

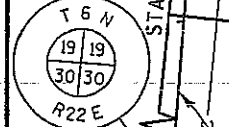
4

CURVE 15		CURVE 16	
N-S	N-W	N-S	N-W
P.I. = 337+21.20	P.I. = 331+41.45	P.I. = 337+21.20	P.I. = 331+41.45
Y = 599375.27	Y = 598792.04	Y = 599375.27	Y = 598792.04
X = 271758.18	X = 271898.73	X = 271758.18	X = 271898.73
Δ = 94°21'23"	Δ = 42°43'49"	Δ = 94°21'23"	Δ = 42°43'49"
ΔO = 05°12'31"	ΔO = 04°05'33"	ΔO = 05°12'31"	ΔO = 04°05'33"
R = 100.00'	R = 1400.00'	R = 100.00'	R = 1400.00'
T = 189.06'	T = 547.61'	T = 189.06'	T = 547.61'
L = 1813.43'	L = 1044.10'	L = 1813.43'	L = 1044.10'

- (505) AMERICAN TRANSMISSION COMPANY
- UA516 CITY OF MILWAUKEE/WATER
- UA518 CITY OF MILWAUKEE/CABLE
- UA519 CITY OF MILWAUKEE/CONDUIT

STA 324WS+29.12
STA 341W+50.44

MONUMENT W/ BRASS CAP
Y=210615.62
X=598083.66



REVISION DATE JUNE 22, 2009 AUGUST 17, 2009 JANUARY XX, 2009	DATE FEB. 26, 2009	SCALE, FEET 0 50 100	HWY: I-94 COUNTY: MILWAUKEE	STATE R/W PROJECT NUMBER 1030-20-20 CONSTRUCTION PROJECT NUMBER 1030-20-70	PLAT SHEET 4.31 PS&E SHEET E
---	--------------------	-------------------------	--------------------------------	---	---------------------------------