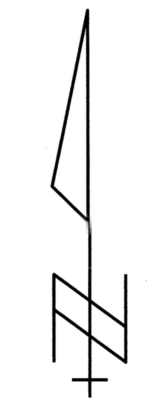
INFRASTRUCTURE SERVICES DIVISION
CONSTRUCTION SECTION
DESIGN & SURVEY SERVICES
NORTH DISTRICT
MILWAUKEE, WISCONSIN

LEVELS BY: L. BEKELE
DATE: 09-07-12
DRAWN BY: A. WHITE
DATE: 09-13-12
FILE NO:

TRANSIT LINE IS THE CENTER LINE OF THE R.O.W. BASED ON CURB SPLIT STATION 5+00 IS THE CENTER LINE OF FAULKNER RD.



NOTES :
- Ⓘ, Ⓘⓘ, Ⓘⓘⓘ, DENOTES RAMP TYPE.
- CONSTRUCT ALL CARRIAGE WALKS AND DRIVEWAYS PER CITY OF MILWAUKEE SPECIFICATIONS.
- OFFSET MEASUREMENTS TO TREES, WOOD POLES AND LIGHT POLES ARE TAKEN TO EDGE NEAREST THE CENTERLINE.
- OFFSET MEASUREMENTS TO HYDRANTS ARE TAKEN TO THE OPERATING NUT.
- GRADE & SOD ENTIRE AREA BETWEEN WALK & CURB.
- THIS PROJECT IS DESIGNED FOR (4) - 12 FT WIDTH ASPHALT PASSES WITH A (0.04') CROWN IN EACH PASS.
- ANY TREES TO BE REMOVED AS PART OF THIS PROJECT WILL BE INDICATED IN THE CONTRACT SPECIAL PROVISIONS.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SAN" (SANITARY).
- IN AREAS OF GRINDING, GRIND TO OBTAIN:
  -0.12' MINIMUM COVER AT CURB FLANGES.
  -0.17' MINIMUM COVER AT BUTT JOINTS.
  -0.25' MINIMUM COVER ELSEWHERE.

CONDITION OF CONCRETE

- B BROKEN
- BL BLUE LINED
- BP BACK PITCHED
- C CRACKED
- EP EXCESSIVE PITCH
- H HEAVED
- JF JOINT FAILURE
- MJ MUD JACKED
- P PATCHED
- PC POOR CONDITION
- S SETTLED
- SP SPALLED
- VG VERY GOOD
- VP VERY POOR

ESTIMATE / CERTIFICATE QUANTITIES

DESCRIPTION	UNIT	ASSESS.	X-ING			PLAN TOT.	PROJ.TOT.
MOBILIZATION	L.S.						
FINISHING ROADWAY	L.S.						
BARRICADING AND SIGNING	L.S.						
CUTTING	C.Y.						
ROADWAY CUTTING	C.Y.						
FILLING	C.Y.						
ROADWAY FILLING	C.Y.						
PAVEMENT REMOVAL	S.Y.						
BITUMINOUS SURFACE REMOVAL	S.Y.						
CURB &/OR CURB & GUTTER REMOVAL	L.F.						
CONC.WALK &/OR DRIVEWAY REMOVAL	S.F.						
SAWING (FULL DEPTH)	L.F.						
SAWING	L.F.						
TREES CLEARING	I.D.						
TREES GRUBBING	I.D.						
31" CONCRETE CURB & GUTTER	L.F.						
V.T. CONC.WALK &/OR DRIVEWAY	C.Y.						
5" CONCRETE WALK	S.F.						
9" CONCRETE DRIVEWAY	S.F.						
CONCRETE PAVEMENT	S.Y.						
7" CONCRETE ALLEY PAVEMENT	S.Y.						
V.T. CONCRETE BASE	C.Y.						
CONCRETE BASE	S.Y.						
TACK COAT	GAL.						
BASE PREP. FOR ASPHALT SURFACE	L.S.						
V.T.ASPH.CONC.PAV'T.(MAX.)	S.Y.						
JOINT & CRACK REPAIR	L.F.						3100
CRACK & SEAT CONC PAV'T	S.Y.						
CRUSHED STONE BASE							
CRUSHED GRAVEL BASE							
GRAVEL FILLING	TON						
SODDING	S.Y.						
TOPSOIL	C.Y.						
PAVEMENT GRINDING (ASPHALT)	S.Y.						
PAVEMENT GRINDING (CONCRETE)	S.Y.						
SEALING PAV'T JOINTS & CRACKS	S.Y.						
MANHOLE RINGS	EACH						
SEWER FRAME ADJUSTMENT	V.F.						
MANHOLE SEAL (CITY FURNISHED)	EACH						
EROSION CONTROL (TYPE M)	EACH						

DEPARTMENT OF PUBLIC WORKS
INFRASTRUCTURE SERVICES DIVISION
FIELD OPERATIONS
FIELD & DESIGN ENGINEERING
MILWAUKEE, WISCONSIN

FILE NO. 86

PLAN OF: W. TOWER AVE. (8700W, 8100N)
N. FAULKNER RD. TO N. 87TH ST.
THIS SECTION: N. FAULKNER RD. TO STA 12+00

DRAWN BY	J.BARMAN	DATE: 1/30/13	PROJECT NO.		
DESCRIPTIONS BY	J.BARMAN	DATE: 1/30/13	ST211130107	SHEET 1 OF 2	
LEVELS BY	L.BEKELE	DATE: 9/18/12	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY	L.BEKELE	DATE: 9/20/12	1"=10'	71	9
DESIGNED BY	D.GEHRING	DATE: 3/5/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	B.MATHENY	DATE: 4/17/13	REVISED: 11/19/13 DELETE PROP. WALK		
CHECKED BY	D. [signature]	DATE: 12/23/13	REVISED:		
APPROVED BY	[signature]	DATE: 12/23/13	REVISED:		

FILE: V:\PWELIB\PAVING\29209 NO WALK.FIN
PLOT DATE: 20-DEC-2013

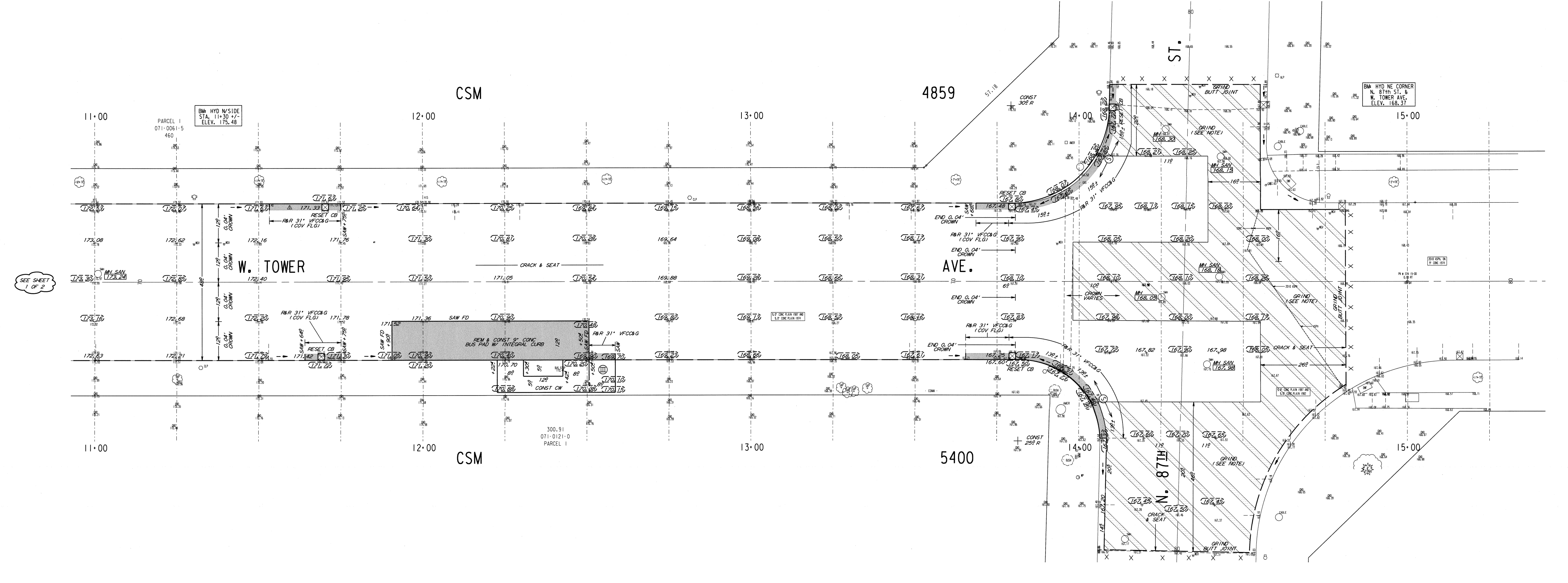
THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 8	ABANDON- 0
PROJECT IN SEPARATED AREA		

	EROSION	CONTROL	AND C.B.	REQUISITION	PLAN
	TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	☒
THIS SHEET	8	0	8	0	NO WORK
ENTIRE PROJECT	13	0	11	0	

DATE TO	4/5/13	12/26/13	3/6/14
ESTIMATING	1	1	
HOLLOW WALKS	1	1	
PUBLIC HEARING	1	1	
CONSTRUCTION	1	1	6
SEWER	1	1	
WATER	1	1	
STREET LIGHTING	1	1	
BLDG. SEWERS	1	1	
MEASURING			1
FIELD			1
DISTRICT FILE	2	2	
FORESTRY		1	
M.E. / G.O.	1		
WIS. GAS CO.		1	
TRANSIT SYSTEM			
CABLE TV			
UND. GRD. COND.	1	1	
WATER DIST.	1	1	
WEPCO N/S	1	1	
WEPCO S/S			
SEWER SERVICES			
UTILITY COOR.	1	1	
TRAF. ENG	1	1	
RM 506			15
PLAN SIZE	17.5"X116"		

W. TOWER AVE. - N. FAULKNER RD. TO N. 87TH ST.
N. FAULKNER RD. TO STA 12+00
ST211130107
17.5"X116"
59209
(1 OF 2)



NOTES :

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SAWING	L.F.						
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TREES GRUBBING	I.D.						
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V.T. CONC. WALK &/OR DRIVEWAY	C.Y.						
5" CONCRETE WALK	S.F.						
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V.T. ASPH. CONC. PAV'T. (MAX.)	S.Y.						
CRUSHED STONE BASE							
CRUSHED GRAVEL BASE							
GRAVEL FILLING	TON						
SODDING	S.Y.						
TOPSOIL	C.Y.						
PAVEMENT GRINDING (ASPHALT)	S.Y.						
PAVEMENT GRINDING (CONCRETE)	S.Y.						
SEALING PAV'T JOINTS & CRACKS	S.Y.						
MANHOLE RINGS	EACH						
SEWER FRAME ADJUSTMENT	V.F.						
MANHOLE SEAL (CITY FURNISHED)	EACH						
EROSION CONTROL (TYPE M)	EACH						

CONDITION OF CONCRETE
BROKEN
BLUE LINED
BACK PITCHED
CRACKED
EXCESSIVE PITCH
HEAVED
JOINT FAILURE
MUD JACKED
PATCHED
POOR CONDITION
SETTLED
SPALLED
VERY GOOD
VERY POOR

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MILWAUKEE, WISCONSIN

FILE NO. 87

PLAN OF: W. TOWER AVE. (8700W, 8100N)

N. FAULKNER RD. TO N. 87TH ST.

THIS SECTION: STA 12+00 TO N. 87TH ST.

DRAWN BY	J.BARMAN	DATE: 1/30/13	PROJECT NO.		
DESCRIPTIONS BY	J.BARMAN	DATE: 1/30/13	ST211130107	SHEET 2 OF 2	
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DESIGNED BY	D.GEHRING	DATE: 3/5/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	B.MATHENY	DATE: 4/17/13	REVISED: 11/19/13 DELETE PROP. WALK		
CHECKED BY	D. Wabash	DATE: 12/23/13	REVISED:		
APPROVED BY	Robert D. V...	DATE: 12/23/13	REVISED:		
FILE: V:\PWELIB\PAVING\29209 NO WALK.FIN					
PLOT DATE: 20-DEC-2013					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 3	ABANDON- 0
PROJECT IN (SEPARATED) AREA		

TO \ DATE	4/5/13	12/26/13	3/6/14
ESTIMATING	I	I	
FORESTRY		I	
W.E. / G.O.	I		
WIS. GAS CO.		I	
TRANSIT SYSTEM			
CABLE TV			
UND. GRD. COND.	I	I	
WATER DIST.	I	I	
WEPCO N/S	I	I	
WEPCO S/S			
SEWER SERVICES			
UTILITY COOR.	I	I	
TRAF. ENG	I	I	
RM506			
PLAN SIZE	17.5'X		

W. TOWER AVE.

N. 87TH ST.

EROSION CONTROL AND C.B. REQUISITION PLAN	TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	PLAN
THIS SHEET	5	0	3	0	NO WORK
ENTIRE PROJECT	13	0	11	0	