NOTES :

- (I), (II), (III), 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 & PLACE 1.5' WIDTH SOD IN LAWNS AREAS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE INDICATED.
- PROJECT IS DESIGNED TO BE CONSTRUCTED WITH EQUAL PASSES WITH CROWNS AS INDICATED IN EACH PASS, REDUCING THROUGH THE INTERSECTION(S) AS SHOWN.
- IN AREAS OF GRINDING, GRIND TO ACHIEVE
  0.17' MINIMUM COVER AT FLANGES,
  0.17' AT BUTT JOINTS AND
  0.33' MINIMUM ELSEWHERE.
- INTERNAL MANHOLE SEALS ARE REQUIRED IN ALL MANHOLES MARKED "SAN" (SANITARY).
- ANY TREES TO BE REMOVED AS A PART OF THE PROJECT, WILL BE NOTED IN SPECIAL PROVISIONS.
- PITCH FLANGE 0.08 UNLESS OTHERWISE SHOWN.
- REMOVE ALL ASPHALT PATCHES WITHIN THE LIMITS OF CONSTRUCTION.
- GRADE & SOD THE ENTIRE AREA BETWEEN THE CURB AND THE WALK
- FULL DEPTH SAWING ALONG THE CURB FLANGE TO BE DONE AFTER ALL CONCRETE WORK IS COMPLETED & PRIOR TO RUBBLIZATION.
- FULL DEPTH SAWING AROUND UTILITIES TO BE DONE PRIOR TO RUBBLIZATION & AT THE DIRECTION OF THE CONSTRUCTION ENGINEER.

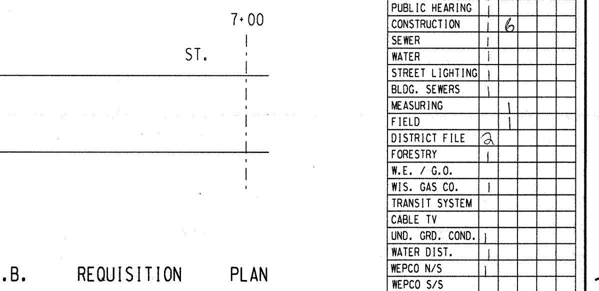
ESTIMATE / CERTIFICATE QUANTITIES

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

DEPARTMENT OF PUBLIC WORKS INFRASTRUCTURE SERVICES DIVISION FIELD OPERATIONS FIELD & DESIGN ENGINEERING MILWAUKEE, WISCONSIN			FILE NO. 267	
PLAN OF: N. 73RD ST.				
W. CALUMET RD. TO W. BRADLEY RD.				
THIS SECTION: W. CALUMET RD. TO STA. 7+00				
DRAWN BY	B. MATHENY	DATE: 5/16/13	PROJECT NO. ST211130117	SHEET 1 OF 4
DESCRIPTIONS BY	B. MATHENY	DATE: 5/16/13	SCALE 1" = 10'	1/4 SEC. 82 / ALD. DIST. 9
LEVELS BY	PLUTA	DATE: 8/22/12		
LEVELS TRANSF. BY		DATE:		
DESIGNED BY	M. MANHARDT	DATE: 5/3/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST	
GRADES TRANSF. BY	B. MATHENY	DATE: 5/16/13	REVISED: 3/4/14 SAW NOTES ADDED ; RUBBLIZED LIMITS	
CHECKED BY	D. Ulrich	DATE: 11/7/13	REVISED:	
APPROVED BY	[signature]	DATE: 11/8/13	REVISED:	
FILE: V:\PWELIB\PAVING\29247_WESTWALK.FIN				
PLOT DATE: 28-OCT-2013				

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W. - 0	RESET - 2	ABANDON - 0
PROJECT IN (SEPARATED) AREA		



EROSION CONTROL AND C.B. REQUISITION PLAN

	TYPE M	CBW	RESET	ABANDON	PLAN
THIS SHEET	2	0	2	0	NO WORK
PROJECT TOTAL	14	0	13	1	

TO \ DATE	11/11/13	3/6/14
ESTIMATING	1	
HOLLOW WALKS	1	
PUBLIC HEARING	1	
CONSTRUCTION	1	6
SEWER	1	
WATER	1	
STREET LIGHTING	1	
BLDG. SEWERS	1	
MEASURING		1
FIELD		1
DISTRICT FILE	2	
FORESTRY	1	
W.E. / G.O.		
WIS. GAS CO.	1	
TRANSIT SYSTEM		
CABLE TV		
UND. GRD. COND.	1	
WATER DIST.	1	
WEPCO N/S	1	
WEPCO S/S		
SEWER SERVICES		
UTILITY COOR.	1	
Traffic Eng	1	
RM506		15
PLAN SIZE	17.5" X 108"	

N. 73RD ST. - W. CALUMET RD. TO W. BRADLEY RD.
W. CALUMET RD. TO STA. 7+00
ST211130117 17.5" X 108" 29247 # (1 OF 4)

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.

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
VGC VERY GOOD
VPC 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.						
CONCRETE CURB & GUTTER	L.F.						
V.T. CONC.WALK &/OR DRIVEWAY	C.Y.						
5' CONCRETE WALK	S.F.						
7' 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.						
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. 268

PLAN OF: N. 73RD ST.
W. CALUMET RD. TO W. BRADLEY RD.
THIS SECTION: STA. 7+00 TO STA. 14+00

DRAWN BY	B.MATHENY	DATE: 5/16/13	PROJECT NO. ST211130117	SHEET 2 OF 4	
DESCRIPTIONS BY	B.MATHENY	DATE: 5/16/13			
LEVELS BY	PLUTA	DATE: 8/22/12	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1" = 10'	82	9
DESIGNED BY	M.MANHARDT	DATE: 5/3/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	B.MATHENY	DATE: 5/16/13	REVISED:		
CHECKED BY	D. Ullstrom	DATE: 11/7/13	REVISED:		
APPROVED BY	[signature]	DATE: 11/8/13	REVISED:		
FILE: V:\PWELIB\PAVING\29247_WESTWALK.FIN					
PLOT DATE: 28-OCT-2013					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 4	ABANDON- 0
PROJECT IN (SEPARATED) AREA		

EROSION CONTROL	AND	C.B. REQUISITION		PLAN
TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	☐
4	0	4	0	NO WORK

TO \ DATE	11/11/13	3/6/14			
ESTIMATING	1				
HOLLOW WALKS	1				
PUBLIC HEARING	1				
CONSTRUCTION	1	6			
SEWER	1				
WATER	1				
STREET LIGHTING	1				
BLDG. SEWERS	1				
MEASURING		1			
FIELD		1			
DISTRICT FILE	2				
FORESTRY	1				
W.E. / G.O.					
WIS. GAS CO.	1				
TRANSIT SYSTEM					
CABLE TV					
UND. GRD. COND.	1				
WATER DIST.	1				
WEPCO N/S	1				
WEPCO S/S					
SEWER SERVICES					
UTILITY COOR.	1				
Traffic Eng	1				
RM506		15			
PLAN SIZE	17.5'X112'				

NOTES :

- (I), (II), (III), 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.

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
VGC VERY GOOD
VPC 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.						
CONCRETE CURB & GUTTER	L.F.						
V.T. CONC. WALK &/OR DRIVEWAY	C.Y.						
5" CONCRETE WALK	S.F.						
7" 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.						
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. 269

PLAN OF: N. 73RD ST.
W. CALUMET RD. TO W. BRADLEY RD.
THIS SECTION: STA. 14+00 TO STA. 21+00

DRAWN BY	B.MATHENY	DATE: 5/16/13	PROJECT NO.		
DESCRIPTIONS BY	B.MATHENY	DATE: 5/16/13	ST211130117	SHEET 3 OF 4	
LEVELS BY	PLUTA	DATE: 8/22/12	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1" = 10'	82	9
DESIGNED BY	M.MANHARDT	DATE: 5/3/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	B.MATHENY	DATE: 5/16/13	REVISED:		
CHECKED BY	D. Ulatowski	DATE: 11/7/13	REVISED:		
APPROVED BY		DATE:	REVISED:		
FILE: V:\PWELIB\PAVING\29247_WESTWALK.FIN					
PLOT DATE: 28-OCT-2013					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 2	ABANDON- 0
PROJECT IN (SEPARATED) AREA		

14+00 N. 73RD ST. 21+00

EROSION CONTROL AND C.B. REQUISITION PLAN				
TYPE M	☒ - CBW	☐ - RESET	✕ - ABANDON	∅
2	0	2	0	NO WORK

TO \ DATE	11/11/13	3/6/14
ESTIMATING	1	
HOLLOW WALKS	1	
PUBLIC HEARING	1	
CONSTRUCTION	1	6
SEWER	1	
WATER	1	
STREET LIGHTING	1	
BLDG. SEWERS	1	
MEASURING		1
FIELD		1
DISTRICT FILE	2	
FORESTRY	1	
W.E. / G.O.		
WIS. GAS CO.	1	
TRANSIT SYSTEM		
CABLE TV		
UND. GRD. COND.	1	
WATER DIST.	1	
WEPCO N/S	1	
WEPCO S/S		
SEWER SERVICES		
UTILITY COOR.	1	
Traffic Eng	1	
RM506		15
PLAN SIZE	17.5"X112"	

29247 # 17.5"X112" ST211130117 N. 73RD ST. - W. CALUMET RD. TO W. BRADLEY RD. STA. 14+00 TO STA. 21+00 (3 OF 4)

NOTES :

- (I), (II), (III), 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.

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.						
CONCRETE CURB & GUTTER	L.F.						
V.T. CONC.WALK &/OR DRIVEWAY	C.Y.						
5" CONCRETE WALK	S.F.						
7" 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.						
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

- 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
- VGC VERY GOOD
- VPC VERY POOR

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

FILE NO. 270

PLAN OF: N. 73RD ST.
W. CALUMET RD. TO W. BRADLEY RD.
THIS SECTION: STA. 21+00 TO W. BRADLEY RD.

DRAWN BY	B.MATHENY	DATE: 5/16/13	PROJECT NO.		
DESCRIPTIONS BY	B.MATHENY	DATE: 5/16/13	ST211130117	SHEET 4 OF 4	
LEVELS BY	PLUTA	DATE: 8/22/12	SCALE	1/4 SEC.	ALD.DIST.
LEVELS TRANSF. BY		DATE:	1"=10'	82	9
DESIGNED BY	M.MANHARDT	DATE: 5/3/13	OBSTRUCTIONS - SEE OBSTRUCTION LIST		
GRADES TRANSF. BY	B.MATHENY	DATE: 5/16/13	REVISED:		
CHECKED BY	D. Ulrich	DATE: 11/7/13	REVISED:		
APPROVED BY	[signature]	DATE: 11/8/13	REVISED:		
FILE: V:\PWELIB\PAVING\29247_WESTWALK.FIN					
PLOT DATE: 28-OCT-2013					

THIS SHEET

STORM DRAINAGE UNITS		
C.B.W.- 0	RESET- 5	ABANDON- 1
PROJECT IN (SEPARATED) AREA		

EROSION CONTROL AND C.B. REQUISITION PLAN

TYPE M	⊠ - CBW	□ - RESET	X - ABANDON	⧄
6	0	5	1	NO WORK